

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

AMS OPTION		0
COMMITMENT OPTIONS		3
CONDITIONAL PERCENTILE	%	0.00
DEFERRAL CAPACITY SWITCH		3
DUMP ENERGY ACCOUNTING FLAG	\$	0.00
ECONOMY SALES ACCOUNTING FLAG		1
EMERGENCY USE OF HYDRO		1
EMERGENCY USE OF STORAGE		0
EMISSIONS LIMIT SWITCH		0
EMISSIONS LIMIT TOLERANCE OPTION		1
ESCALATION DUMP ENERGY PRICE		1
ESCALATION EMERGENCY CUST IMPACT		0
ESCALATION EMERGENCY DISP COST		0
ESCALATION EMERGENCY ENERGI COST		0
ESCALATION FIXED COST ADDER		0
ESCALATION INTERCHANGE PROFIT RE		0
ESCALATION UNIT RUNNING RATE		0
FIXED FUEL ALLOCATION METHOD		0
FUEL ADJUSTMENT SWITCH		0
FUEL LIMIT OPTION		4
INFLATION OPTION		2
INTERCHANGE METHOD		0
INVENTORY CALCULATION SWITCH		3
MARGINAL COSTS DIAGNOSTICS		Y
MULTIPLE SEGMENTS		0
MUST RUN INTERCHANGE FLAG		40
NUMBER OF COST CURVE STEPS		3
NUMBER OF SOBERIODS		C
PROBABILITY METHOD		1
SEASONAL DISPATCH FLAG		1
SELLBACK OWNERSHIP COMPANY		0
SELLBACK RETENTION COMPANY		0
TREATMENT OF MAINTENANCE		1
UNIT PROFITABILITY FLAG		0

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GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

YEAR	2011	2012	2013	2014	2015	2016	2017
COMMITMENT LEVEL							
DUMP ENERGY SALE PRICE	\$/MWH 65.00	\$/MWH 65.00	\$/MWH 65.00	\$/MWH 65.00	\$/MWH 65.00	\$/MWH 65.00	\$/MWH 65.00
ECONOMY INTERCHANGE METHOD	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMERGENCY CUSTOMER IMPACT	2	2	2	2	2	2	2
EMERGENCY DISPATCH COST	\$/MWH 0.00	\$/MWH 0.00	\$/MWH 0.00	\$/MWH 0.00	\$/MWH 0.00	\$/MWH 0.00	\$/MWH 0.00
EMERGENCY DISPATCH PROFILE	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
EMERGENCY ENERGY COST	\$/MWH 0	\$/MWH 0	\$/MWH 0	\$/MWH 0	\$/MWH 0	\$/MWH 0	\$/MWH 0
EMERGENCY ENERGY PROFILE	32.00	32.00	32.00	32.00	32.00	32.00	32.00
EXTERNAL REPLACEMENT COST BILLING RATIO	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FIXED ADDRESS INTERCHANGE BILLING RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTERCHANGE PROFIT RETENTION PER \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTERCHANGE PROFIT RETENTION PER \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MARKUP OF SELBACK ENERGY RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RELIABILITY TARGET	MM-% 0.00	MM-% 0.00	MM-% 0.00	MM-% 0.00	MM-% 0.00	MM-% 0.00	MM-% 0.00
RESERVE MARGIN TARGET	9999898528,9998998528,9998998528,9998998528,9998998528,9998998528,9998998528,9998998528						
SEASONAL RMD PROFILE	0	0	0	0	0	0	0
SPINNING RESERVE REQUIREMENT	\$/MWH 4.50	\$/MWH 4.50	\$/MWH 4.50	\$/MWH 4.50	\$/MWH 4.50	\$/MWH 4.50	\$/MWH 4.50
UNIT RUNNING RATE ANNUAL PEAK	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UNIT RUNNING RATE CURVE POINTER	0	0	0	0	0	0	0

YEAR	2018	2019	2020	2021	2022	2023	2024
COMMITMENT LEVEL							
DUMP ENERGY SALE PRICE	\$/MWH 65.00	\$/MWH 65.00	\$/MWH 65.00	\$/MWH 65.00	\$/MWH 65.00	\$/MWH 65.00	\$/MWH 65.00
ECONOMY INTERCHANGE METHOD	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMERGENCY CUSTOMER IMPACT	2	2	2	2	2	2	2
EMERGENCY DISPATCH COST	\$/MWH 0.00	\$/MWH 0.00	\$/MWH 0.00	\$/MWH 0.00	\$/MWH 0.00	\$/MWH 0.00	\$/MWH 0.00
EMERGENCY DISPATCH PROFILE	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
EMERGENCY ENERGY COST	\$/MWH 0	\$/MWH 0	\$/MWH 0	\$/MWH 0	\$/MWH 0	\$/MWH 0	\$/MWH 0
EMERGENCY ENERGY PROFILE	32.00	32.00	32.00	32.00	32.00	32.00	32.00
EXTERNAL REPLACEMENT COST BILLING RATIO	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FIXED ADDRESS INTERCHANGE BILLING RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTERCHANGE PROFIT RETENTION PER \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTERCHANGE PROFIT RETENTION PER \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MARKUP OF SELBACK ENERGY RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RELIABILITY TARGET	MM-% 0.00	MM-% 0.00	MM-% 0.00	MM-% 0.00	MM-% 0.00	MM-% 0.00	MM-% 0.00
RESERVE MARGIN TARGET	9999898528,9998998528,9998998528,9998998528,9998998528,9998998528,9998998528,9998998528						
SEASONAL RMD PROFILE	MM-% 0.00	MM-% 0.00	MM-% 0.00	MM-% 0.00	MM-% 0.00	MM-% 0.00	MM-% 0.00
SPINNING RESERVE REQUIREMENT	\$/MWH 4.50	\$/MWH 4.50	\$/MWH 4.50	\$/MWH 4.50	\$/MWH 4.50	\$/MWH 4.50	\$/MWH 4.50
UNIT RUNNING RATE ANNUAL PEAK	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UNIT RUNNING RATE CURVE POINTER	0	0	0	0	0	0	0

YEAR	2025	2026	2027	2028	2029	2030	2031
COMMITMENT LEVEL							
DUMP ENERGY SALE PRICE	\$/MWH 65.00	\$/MWH 65.00	\$/MWH 65.00	\$/MWH 65.00	\$/MWH 65.00	\$/MWH 65.00	\$/MWH 65.00
ECONOMY INTERCHANGE METHOD	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMERGENCY CUSTOMER IMPACT	2	2	2	2	2	2	2
EMERGENCY DISPATCH COST	\$/MWH 0.00	\$/MWH 0.00	\$/MWH 0.00	\$/MWH 0.00	\$/MWH 0.00	\$/MWH 0.00	\$/MWH 0.00
EMERGENCY DISPATCH PROFILE	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
EMERGENCY ENERGY COST	\$/MWH 0	\$/MWH 0	\$/MWH 0	\$/MWH 0	\$/MWH 0	\$/MWH 0	\$/MWH 0
EMERGENCY ENERGY PROFILE	32.00	32.00	32.00	32.00	32.00	32.00	32.00
EXTERNAL REPLACEMENT COST BILLING RATIO	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FIXED ADDRESS INTERCHANGE BILLING RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTERCHANGE PROFIT RETENTION PER \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTERCHANGE PROFIT RETENTION PER \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MARKUP OF SELBACK ENERGY RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RELIABILITY TARGET	MM-% 0.00	MM-% 0.00	MM-% 0.00	MM-% 0.00	MM-% 0.00	MM-% 0.00	MM-% 0.00
RESERVE MARGIN TARGET	9999898528,9998998528,9998998528,9998998528,9998998528,9998998528,9998998528,9998998528						
SEASONAL RMD PROFILE	MM-% 0.00	MM-% 0.00	MM-% 0.00	MM-% 0.00	MM-% 0.00	MM-% 0.00	MM-% 0.00
SPINNING RESERVE REQUIREMENT	\$/MWH 4.50	\$/MWH 4.50	\$/MWH 4.50	\$/MWH 4.50	\$/MWH 4.50	\$/MWH 4.50	\$/MWH 4.50
UNIT RUNNING RATE ANNUAL PEAK	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UNIT RUNNING RATE CURVE POINTER	0	0	0	0	0	0	0

YEAR	2032	2033	2034	2035	2036	2037	2038
COMMITMENT LEVEL							
DUMP ENERGY SALE PRICE	\$/MWH 65.00	\$/MWH 65.00	\$/MWH 65.00	\$/MWH 65.00	\$/MWH 65.00	\$/MWH 65.00	\$/MWH 65.00
ECONOMY INTERCHANGE METHOD	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMERGENCY CUSTOMER IMPACT	2	2	2	2	2	2	2
EMERGENCY DISPATCH COST	\$/MWH 0.00	\$/MWH 0.00	\$/MWH 0.00	\$/MWH 0.00	\$/MWH 0.00	\$/MWH 0.00	\$/MWH 0.00
EMERGENCY DISPATCH PROFILE	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
EMERGENCY ENERGY COST	\$/MWH 0	\$/MWH 0	\$/MWH 0	\$/MWH 0	\$/MWH 0	\$/MWH 0	\$/MWH 0
EMERGENCY ENERGY PROFILE	32.00	32.00	32.00	32.00	32.00	32.00	32.00
EXTERNAL REPLACEMENT COST BILLING RATIO	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FIXED ADDRESS INTERCHANGE BILLING RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTERCHANGE PROFIT RETENTION PER \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTERCHANGE PROFIT RETENTION PER \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MARKUP OF SELBACK ENERGY RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RELIABILITY TARGET	MM-% 0.00	MM-% 0.00	MM-% 0.00	MM-% 0.00	MM-% 0.00	MM-% 0.00	MM-% 0.00
RESERVE MARGIN TARGET	9999898528,9998998528,9998998528,9998998528,9998998528,9998998528,9998998528,9998998528						
SEASONAL RMD PROFILE	MM-% 0.00	MM-% 0.00	MM-% 0.00	MM-% 0.00	MM-% 0.00	MM-% 0.00	MM-% 0.00
SPINNING RESERVE REQUIREMENT	\$/MWH 4.50	\$/MWH 4.50	\$/MWH 4.50	\$/MWH 4.50	\$/MWH 4.50	\$/MWH 4.50	\$/MWH 4.50
UNIT RUNNING RATE ANNUAL PEAK	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UNIT RUNNING RATE CURVE POINTER	0	0	0	0	0	0	0

YEAR

2039

2040

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COMMITMENT LEVEL				
DMP ENERGY SALE PRICE	\$/MWH	65.00	65.00	0.00
ECONOMY INTERCHANGE METHOD		2	2	0.00
EMERGENCY CUSTOMER IMPACT	\$/MWH	0.00	0.00	0.00
EMERGENCY DISPATCH COST	\$/MWH	-1.00	-1.00	0
EMERGENCY DISPATCH PROFILE		0	0	0
EMERGENCY ENERGY COST	\$/MWH	32.00	32.00	0
EMERGENCY ENERGY PROFILE		0	0	0
EXTERNAL GENERATION COST BILLING RATIO		1.00	1.00	0.00
EXTERNAL REPLACEMENT COST RATIO		0.00	0.00	0.00
FIXED ADDER INTERCHANGE BILLING	\$/MWH	0.00	0.00	0.00
INTERCHANGE PROFIT RETENTION PER	%	0.00	0.00	0.00
INTERCHANGE PROFIT RETENTION THR	\$000	0.00	0.00	0.00
MARKUP OF SELLBACK ENERGY	RATIO	0.00	0.00	0.00
RELIABILITY TARGET	HOURL/GWH	0.00	0.00	0.00
RESERVE MARGIN TARGET	MW-%	9998998528.	9998998528.	0
SEASONAL RMU PROFILE		0	0	0
SPINNING RESERVE REQUIREMENT	\$/MWH	4.50	4.50	0.00
UNIT RUNNING RATE ANNUAL PEAK	\$/MWH	0.00	0.00	0
UNIT RUNNING RATE CURVE POINTER		0	0	0

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GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

DIAGNOSTICS FLAG SETTINGS

NO.	DESCRIPTION	VALUE
1	Reserve Margin Calculations	N
2	Energy Reserve Margin	N
4	Conditional Capacity Calculations	N
6	Company Fuel Type	N
7	Thermal Unit Dispatch	N
9	In-Dispatch Limited Fuel	N
10	Spinning Reserve Look-ahead	N
11	Dispatch Lambda	N
11	Limited Fuel Report	N
12	Externality Calculations	N
13	Dispatch Lambda Emissions Adder	N
14	Emissions Limit Search Procedure	N
15	Seasonal Emissions	N
16	Hourly Chronological Storage	N
20	Chronological Storage search procedure	N
21	Direct Load Control Dispatch Order by Season	N
24	Direct Load Control by Program by Season	N
25	Dispatchable Transaction Order by Season	N
27	Dispatchable Transaction Order by Season	N
31	Deferral Unit Capacity Calculation	N
32	Residual Reliability Dispatch of Load Modifiers	N
34	Chronological Load Before Dispatch	N
35	Chronological Load After Transactions	N
36	Chronological Load After Hydro	N
37	Chronological Load After Pumped Storage	N
38	Chronological Load After Dispatchable Transactions	N
39	Chronological Load After Direct Load Control	N
40	Chronological Load After Network Interchange	N
41	Net thermal loads in record format	N
46	Marginal Cost Curves (PS/DIC, NEI, Disp Lambda)	N
48	Marginal Cost Curves in record format	N
50	Chronological Marginal Costs Before Dispatch	N
51	Chronological Marginal Costs After Transactions	N
52	Chronological Marginal Costs After Hydro	N
53	Chronological Marginal Costs After Pumped Storage	N
54	Chronological Marginal Costs After Dispatchable Tr	N
55	Chronological Marginal Costs After Direct Load Con	N
56	Chronological Marginal Costs After Network Interch	N
61	NEI Hourly Diagnostics By Transmission Link	N
62	NEI Hourly Diagnostics By Interchange System	N
63	NEI Seasonal Interchange Summary	N
69	Multi Company Interchange Accounting	N
70	Write UMAN Cards From Auto. Maintenance Scheduler	N
71	Maintenance Subperiod Array	N
72	Seasonal Maintenance Week	N
73	Seasonal Resource Summary	N
74	Seasonal Capacity and Reserve	N
75	Seasonal Resource Energy	N
76	Seasonal Total Cost	N
77	Seasonal Fuel Burn - Mbtu	N
78	Seasonal Fuel Cost	N
80	Capacity Sellback Energy	N
81	Inflation / Escalation	N
82	Daily Seasonal Definition	N
90	Water Year System	N
91	Water Year Seasonal System	N
92	Water Year Hydro, Storage, and Thermal Units	N
93	Water Year Fuel Class and Fuel Type	N
94	Water Year Unit Profitability	N
95	Seasonal Unit Revenue	N
96	Seasonal Unit Profitability	N

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

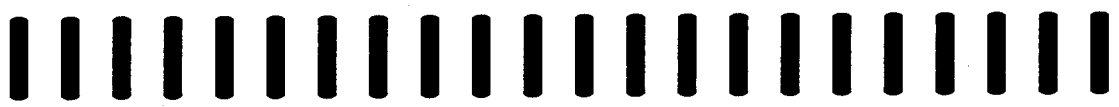
QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONS	1	2	3	4	5	6	7
WEEK PROFILE	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
WEEK00	WEEK00	WEEK00	WEEK00	WEEK00	WEEK00	WEEK00	WEEK00
SEASONS	8	9	10	11	12		
WEEK PROFILE	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
WEEK00	WEEK00	WEEK00	WEEK00	WEEK00	WEEK00		









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APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.PARAMETERS.

SEASONS	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025
UNIT RUNNING RATE SEASONAL PEAK \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7								

SEASONS

UNIT RUNNING RATE SEASONAL PEAK \$/MWH	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12										

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----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER - GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS		1 TPOOL_11						
		1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1	WKDAY	1.00	0.98	0.94	0.90	0.88	0.89	0.90
2	WKNIGHT	1.00	0.98	0.94	0.90	0.88	0.89	0.90
3	WKEND	1.00	0.98	0.94	0.90	0.88	0.89	0.90
SEASONAL PROFILE SEASONS		1 TPOOL_11						
		8 AUGUST	9 SEPTEMBER	10 OCTOBER	11 NOVEMBER	12 DECEMBER		
SUBPERIODS								
1	WKDAY	0.90	0.89	0.90	0.94	0.96		
2	WKNIGHT	0.90	0.89	0.90	0.94	0.96		
3	WKEND	0.90	0.89	0.90	0.94	0.96		
SEASONAL PROFILE SEASONS		2 TPOOL_12						
		1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1	WKDAY	1.00	0.98	0.94	0.89	0.87	0.88	0.89
2	WKNIGHT	1.00	0.98	0.94	0.89	0.87	0.88	0.89
3	WKEND	1.00	0.98	0.94	0.89	0.87	0.88	0.89
SEASONAL PROFILE SEASONS		2 TPOOL_12						
		8 AUGUST	9 SEPTEMBER	10 OCTOBER	11 NOVEMBER	12 DECEMBER		
SUBPERIODS								
1	WKDAY	0.89	0.88	0.89	0.93	0.96		
2	WKNIGHT	0.89	0.88	0.89	0.93	0.96		
3	WKEND	0.89	0.88	0.89	0.93	0.96		
SEASONAL PROFILE SEASONS		3 TPOOL_13						
		1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1	WKDAY	1.00	0.98	0.94	0.89	0.88	0.88	0.90
2	WKNIGHT	1.00	0.98	0.94	0.89	0.88	0.88	0.90
3	WKEND	1.00	0.98	0.94	0.89	0.88	0.88	0.90
SEASONAL PROFILE SEASONS		3 TPOOL_13						
		8 AUGUST	9 SEPTEMBER	10 OCTOBER	11 NOVEMBER	12 DECEMBER		
SUBPERIODS								
1	WKDAY	0.90	0.89	0.90	0.94	0.96		
2	WKNIGHT	0.90	0.89	0.90	0.94	0.96		
3	WKEND	0.90	0.89	0.90	0.94	0.96		
SEASONAL PROFILE SEASONS		4 TPOOL_14						
		1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY

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SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	0.98	0.95	0.90	0.89	0.89	0.89	0.91			
2	WK NIGHT											
	SEASONAL PROFILE ENTRY	1.00	0.98	0.95	0.90	0.89	0.89	0.89	0.91			
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	0.98	0.95	0.90	0.89	0.89	0.89	0.91			
SEASONAL PROFILE												
SEASONS												
4 TPOOL_14												
	AUGUST	8	SEPTEMBER	9	OCTOBER	10	NOVEMBER	11	DECEMBER	12		
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.91	0.90	0.91	0.94	0.97						
2	WK NIGHT											
	SEASONAL PROFILE ENTRY	0.91	0.90	0.91	0.94	0.97						
3	WKEND											
	SEASONAL PROFILE ENTRY	0.91	0.90	0.91	0.94	0.97						
SEASONAL PROFILE												
SEASONS												
5 TPOOL_15												
	JANUARY	1	FEBRUARY	2	MARCH	3	APRIL	4	MAY	5	JUNE	6
	JULY	7										
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.94	0.90	0.89	0.89	0.89	0.91			
2	WK NIGHT											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.94	0.90	0.89	0.89	0.89	0.91			
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.94	0.90	0.89	0.89	0.89	0.91			
SEASONAL PROFILE												
SEASONS												
5 TPOOL_15												
	AUGUST	8	SEPTEMBER	9	OCTOBER	10	NOVEMBER	11	DECEMBER	12		
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.91	0.90	0.91	0.95	0.97						
2	WK NIGHT											
	SEASONAL PROFILE ENTRY	0.91	0.90	0.91	0.95	0.97						
3	WKEND											
	SEASONAL PROFILE ENTRY	0.91	0.90	0.91	0.95	0.97						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS	6 TPOOL_16	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1 WKDAY	1.00	0.99	0.95	0.91	0.90	0.90	0.92	
2 WKNIGHT	1.00	0.99	0.95	0.91	0.90	0.90	0.92	
3 WKEND	1.00	0.99	0.95	0.91	0.90	0.90	0.92	
SEASONAL PROFILE SEASONS	6 TPOOL_16	8 AUGUST	9 SEPTEMBER	10 OCTOBER	11 NOVEMBER	12 DECEMBER		
SUBPERIODS								
1 WKDAY	0.91	0.90	0.91	0.95	0.97			
2 WKNIGHT	0.91	0.90	0.91	0.95	0.97			
3 WKEND	0.91	0.90	0.91	0.95	0.97			
SEASONAL PROFILE SEASONS	7 TPOOL_17	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1 WKDAY	1.00	0.99	0.95	0.91	0.90	0.90	0.90	0.92
2 WKNIGHT	1.00	0.99	0.95	0.91	0.90	0.90	0.90	0.92
3 WKEND	1.00	0.99	0.95	0.91	0.90	0.90	0.90	0.92
SEASONAL PROFILE SEASONS	7 TPOOL_17	8 AUGUST	9 SEPTEMBER	10 OCTOBER	11 NOVEMBER	12 DECEMBER		
SUBPERIODS								
1 WKDAY	0.92	0.91	0.92	0.95	0.97			
2 WKNIGHT	0.92	0.91	0.92	0.95	0.97			
3 WKEND	0.92	0.91	0.92	0.95	0.97			
SEASONAL PROFILE SEASONS	8 TPOOL_18	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1 WKDAY	1.00	0.99	0.95	0.92	0.90	0.91	0.92	
2 WKNIGHT	1.00	0.99	0.95	0.92	0.90	0.91	0.92	
3 WKEND	1.00	0.99	0.95	0.92	0.90	0.91	0.92	
SEASONAL PROFILE SEASONS	8 TPOOL_18	8 AUGUST	9 SEPTEMBER	10 OCTOBER	11 NOVEMBER	12 DECEMBER		
SUBPERIODS								
1 WKDAY	0.92	0.91	0.92	0.95	0.98			
2 WKNIGHT	0.92	0.91	0.92	0.95	0.98			
3 WKEND	0.92	0.91	0.92	0.95	0.98			
SEASONAL PROFILE SEASONS	9 TPOOL_19	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1 WKDAY	0.92	0.91	0.92	0.95	0.98			
2 WKNIGHT	0.92	0.91	0.92	0.95	0.98			
3 WKEND	0.92	0.91	0.92	0.95	0.98			

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.95	0.92	0.90	0.91	0.92				
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.95	0.92	0.90	0.91	0.92				
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.95	0.92	0.90	0.91	0.92				
SEASONAL PROFILE SEASONS												
		9 TPOOL_19										
		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12						
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.92	0.91	0.92	0.95	0.98						
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.92	0.91	0.92	0.95	0.98						
3	WKEND											
	SEASONAL PROFILE ENTRY	0.92	0.91	0.92	0.95	0.98						
SEASONAL PROFILE SEASONS												
		10 TPOOL_20										
		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12						
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.95	0.92	0.91	0.91	0.92				
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.95	0.92	0.91	0.91	0.92				
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.95	0.92	0.91	0.91	0.92				

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAR.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS		11 TPOOL_21						
SUBPERIODS		1	2	3	4	5	6	7
1	WKDAY	1.00	0.99	0.95	0.92	0.91	0.91	0.92
2	WKNIGHT	1.00	0.99	0.95	0.92	0.91	0.91	0.92
3	WKEND	1.00	0.99	0.95	0.92	0.91	0.91	0.92
SEASONAL PROFILE SEASONS		11 TPOOL_21						
SUBPERIODS		8	9	10	11	12		
1	WKDAY	0.92	0.91	0.92	0.96	0.98		
2	WKNIGHT	0.92	0.91	0.92	0.96	0.98		
3	WKEND	0.92	0.91	0.92	0.96	0.98		
SEASONAL PROFILE SEASONS		12 TPOOL_22						
SUBPERIODS		1	2	3	4	5	6	7
1	WKDAY	1.00	0.99	0.96	0.92	0.91	0.91	0.93
2	WKNIGHT	1.00	0.99	0.96	0.92	0.91	0.91	0.93
3	WKEND	1.00	0.99	0.96	0.92	0.91	0.91	0.93
SEASONAL PROFILE SEASONS		12 TPOOL_22						
SUBPERIODS		8	9	10	11	12		
1	WKDAY	0.93	0.92	0.93	0.96	0.98		
2	WKNIGHT	0.93	0.92	0.93	0.96	0.98		
3	WKEND	0.93	0.92	0.93	0.96	0.98		
SEASONAL PROFILE SEASONS		13 TPOOL_23						
SUBPERIODS		1	2	3	4	5	6	7
1	WKDAY	1.00	0.99	0.96	0.92	0.92	0.92	0.93
2	WKNIGHT	1.00	0.99	0.96	0.92	0.92	0.92	0.93
3	WKEND	1.00	0.99	0.96	0.92	0.92	0.92	0.93
SEASONAL PROFILE SEASONS		13 TPOOL_23						
SUBPERIODS		8	9	10	11	12		
1	WKDAY	0.93	0.92	0.93	0.96	0.98		
2	WKNIGHT	0.93	0.92	0.93	0.96	0.98		
3	WKEND	0.93	0.92	0.93	0.96	0.98		
SEASONAL PROFILE SEASONS		14 TPOOL_24						
SUBPERIODS		1	2	3	4	5	6	7
1	WKDAY	0.93	0.92	0.93	0.96	0.98		
2	WKNIGHT	0.93	0.92	0.93	0.96	0.98		
3	WKEND	0.93	0.92	0.93	0.96	0.98		

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.99	0.96	0.93	0.92	0.92	0.92	0.93	0.92	0.92	0.93
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.99	0.96	0.93	0.92	0.92	0.92	0.93	0.92	0.92	0.93
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	0.99	0.96	0.93	0.92	0.92	0.92	0.93	0.92	0.92	0.93
SEASONAL PROFILE SEASONS												
14 TPOOL_24												
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.93	0.92	0.93	0.96	0.98						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.93	0.92	0.93	0.96	0.98						
3	WKEND											
SEASONAL PROFILE ENTRY		0.93	0.92	0.93	0.96	0.98						
SEASONAL PROFILE SEASONS												
15 TPOOL_25												
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.99	0.96	0.93	0.92	0.92	0.92	0.93	0.92	0.92	0.93
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.99	0.96	0.93	0.92	0.92	0.92	0.93	0.92	0.92	0.93
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	0.99	0.96	0.93	0.92	0.92	0.92	0.93	0.92	0.92	0.93
SEASONAL PROFILE SEASONS												
15 TPOOL_25												
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.93	0.92	0.93	0.96	0.98						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.93	0.92	0.93	0.96	0.98						
3	WKEND											
SEASONAL PROFILE ENTRY		0.93	0.92	0.93	0.96	0.98						
SEASONAL PROFILE SEASONS												
15 TPOOL_25												
SUBPERIODS												
8	AUGUST											
SEASONAL PROFILE ENTRY		0.93	0.92	0.93	0.96	0.96	0.93	0.92	0.92	0.92	0.92	0.93
9	SEPTEMBER											
SEASONAL PROFILE ENTRY		0.93	0.92	0.93	0.96	0.96	0.93	0.92	0.92	0.92	0.92	0.93
10	OCTOBER											
SEASONAL PROFILE ENTRY		0.93	0.92	0.93	0.96	0.96	0.93	0.92	0.92	0.92	0.92	0.93
11	NOVEMBER											
SEASONAL PROFILE ENTRY		0.93	0.92	0.93	0.96	0.96	0.93	0.92	0.92	0.92	0.92	0.93
12	DECEMBER											
SEASONAL PROFILE ENTRY		0.93	0.92	0.93	0.96	0.96	0.93	0.92	0.92	0.92	0.92	0.93

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE 16 TPOOL_26 1 JANUARY 2 FEBRUARY 3 MARCH 4 APRIL 5 MAY 6 JUNE 7 JULY

SUBPERIODS

1 WKDAY SEASONAL PROFILE ENTRY 1.00 0.99 0.96 0.93 0.92 0.92 0.93
 2 WKNGHT SEASONAL PROFILE ENTRY 1.00 0.99 0.96 0.93 0.92 0.92 0.93
 3 WKEND SEASONAL PROFILE ENTRY 1.00 0.99 0.96 0.93 0.92 0.92 0.93

SEASONAL PROFILE 16 TPOOL_26 8 AUGUST 9 SEPTEMBER 10 OCTOBER 11 NOVEMBER 12 DECEMBER

SUBPERIODS

1 WKDAY SEASONAL PROFILE ENTRY 0.93 0.93 0.93 0.96 0.98 0.98
 2 WKNGHT SEASONAL PROFILE ENTRY 0.93 0.93 0.93 0.96 0.98 0.98
 3 WKEND SEASONAL PROFILE ENTRY 0.93 0.93 0.93 0.96 0.98 0.98

SEASONAL PROFILE 17 TPOOL_27 1 JANUARY 2 FEBRUARY 3 MARCH 4 APRIL 5 MAY 6 JUNE 7 JULY

SUBPERIODS

1 WKDAY SEASONAL PROFILE ENTRY 1.00 0.99 0.96 0.93 0.92 0.93 0.94
 2 WKNGHT SEASONAL PROFILE ENTRY 1.00 0.99 0.96 0.93 0.92 0.93 0.94
 3 WKEND SEASONAL PROFILE ENTRY 1.00 0.99 0.96 0.93 0.92 0.93 0.94

SEASONAL PROFILE 17 TPOOL_27 8 AUGUST 9 SEPTEMBER 10 OCTOBER 11 NOVEMBER 12 DECEMBER

SUBPERIODS

1 WKDAY SEASONAL PROFILE ENTRY 0.93 0.93 0.93 0.96 0.98 0.98
 2 WKNGHT SEASONAL PROFILE ENTRY 0.93 0.93 0.93 0.96 0.98 0.98
 3 WKEND SEASONAL PROFILE ENTRY 0.93 0.93 0.93 0.96 0.98 0.98

SEASONAL PROFILE 18 TPOOL_28 1 JANUARY 2 FEBRUARY 3 MARCH 4 APRIL 5 MAY 6 JUNE 7 JULY

SUBPERIODS

1 WKDAY SEASONAL PROFILE ENTRY 1.00 0.99 0.96 0.93 0.93 0.93 0.94
 2 WKNGHT SEASONAL PROFILE ENTRY 1.00 0.99 0.96 0.93 0.93 0.93 0.94
 3 WKEND SEASONAL PROFILE ENTRY 1.00 0.99 0.96 0.93 0.93 0.93 0.94

SEASONAL PROFILE 18 TPOOL_28 8 AUGUST 9 SEPTEMBER 10 OCTOBER 11 NOVEMBER 12 DECEMBER

SUBPERIODS

1 WKDAY SEASONAL PROFILE ENTRY 0.94 0.93 0.94 0.96 0.98 0.98
 2 WKNGHT SEASONAL PROFILE ENTRY 0.94 0.93 0.94 0.96 0.98 0.98
 3 WKEND SEASONAL PROFILE ENTRY 0.94 0.93 0.94 0.96 0.98 0.98

SEASONAL PROFILE 19 TPOOL_29 1 JANUARY 2 FEBRUARY 3 MARCH 4 APRIL 5 MAY 6 JUNE 7 JULY

SUBPERIODS

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.96	0.93	0.93	0.93	0.93	0.93	0.93	0.94	
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.96	0.93	0.93	0.93	0.93	0.93	0.93	0.94	
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.96	0.93	0.93	0.93	0.93	0.93	0.93	0.94	
SEASONAL PROFILE SEASONS												
19 TPOOL_29												
	AUGUST 8	SEPTMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12							
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.94	0.93	0.94	0.96	0.98						
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.94	0.93	0.94	0.96	0.98						
3	WKEND											
	SEASONAL PROFILE ENTRY	0.94	0.93	0.94	0.96	0.98						
SEASONAL PROFILE SEASONS												
20 TPOOL_30												
	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7					
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.96	0.93	0.93	0.93	0.93	0.93	0.93	0.94	
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.96	0.93	0.93	0.93	0.93	0.93	0.93	0.94	
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.96	0.93	0.93	0.93	0.93	0.93	0.93	0.94	
SEASONAL PROFILE SEASONS												
20 TPOOL_30												
	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12							
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.94	0.93	0.94	0.96	0.98						
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.94	0.93	0.94	0.96	0.98						
3	WKEND											
	SEASONAL PROFILE ENTRY	0.94	0.93	0.94	0.96	0.98						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS		21 TPOOL_31						
SUBPERIODS		1	2	3	4	5	6	7
1 WKDAY		1.00	0.99	0.96	0.94	0.93	0.93	0.94
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	0.99	0.96	0.94	0.93	0.93	0.94
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	0.99	0.96	0.94	0.93	0.93	0.94
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS		21 TPOOL_31						
SUBPERIODS		8	9	10	11	12		
1 WKDAY		0.94	0.93	0.94	0.96	0.98		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.94	0.93	0.94	0.96	0.98		
SEASONAL PROFILE ENTRY								
3 WKEND		0.94	0.93	0.94	0.96	0.98		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS		22 TPOOL_32						
SUBPERIODS		1	2	3	4	5	6	7
1 WKDAY		1.00	0.99	0.96	0.94	0.93	0.93	0.94
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	0.99	0.96	0.94	0.93	0.93	0.94
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	0.99	0.96	0.94	0.93	0.93	0.94
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS		22 TPOOL_32						
SUBPERIODS		8	9	10	11	12		
1 WKDAY		0.94	0.93	0.94	0.97	0.98		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.94	0.93	0.94	0.97	0.98		
SEASONAL PROFILE ENTRY								
3 WKEND		0.94	0.93	0.94	0.97	0.98		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS		23 TPOOL_33						
SUBPERIODS		1	2	3	4	5	6	7
1 WKDAY		1.00	0.99	0.96	0.94	0.93	0.93	0.94
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	0.99	0.96	0.94	0.93	0.93	0.94
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	0.99	0.96	0.94	0.93	0.93	0.94
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS		23 TPOOL_33						
SUBPERIODS		8	9	10	11	12		
1 WKDAY		0.94	0.93	0.94	0.97	0.98		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.94	0.93	0.94	0.97	0.98		
SEASONAL PROFILE ENTRY								
3 WKEND		0.94	0.93	0.94	0.97	0.98		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS		24 TPOOL_34						
SUBPERIODS		1	2	3	4	5	6	7
1 WKDAY		0.94	0.93	0.94	0.97	0.98		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.94	0.93	0.94	0.97	0.98		
SEASONAL PROFILE ENTRY								
3 WKEND		0.94	0.93	0.94	0.97	0.98		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS		24 TPOOL_34						
SUBPERIODS		1	2	3	4	5	6	7
1 WKDAY		0.94	0.93	0.94	0.97	0.98		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.94	0.93	0.94	0.97	0.98		
SEASONAL PROFILE ENTRY								
3 WKEND		0.94	0.93	0.94	0.97	0.98		
SEASONAL PROFILE ENTRY								

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.99	0.97	0.94	0.93	0.93	0.94	0.93	0.93	0.94	
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.99	0.97	0.94	0.93	0.93	0.94	0.93	0.93	0.94	
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	0.99	0.97	0.94	0.93	0.93	0.94	0.93	0.93	0.94	
SEASONAL PROFILE												
SEASONS												
24 TPOOL_34												
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER						
		8	9	10	11	12						
		0.94	0.93	0.94	0.97	0.98						
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.94	0.93	0.94	0.97	0.98						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.94	0.93	0.94	0.97	0.98						
3	WKEND											
SEASONAL PROFILE ENTRY		0.94	0.93	0.94	0.97	0.98						
SEASONAL PROFILE												
SEASONS												
25 TPOOL_35												
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER						
		8	9	10	11	12						
		1.00	0.99	0.97	0.94	0.93						
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.99	0.97	0.94	0.93						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.99	0.97	0.94	0.93						
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	0.99	0.97	0.94	0.93						
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.94	0.94	0.94	0.97	0.98						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.94	0.94	0.94	0.97	0.98						
3	WKEND											
SEASONAL PROFILE ENTRY		0.94	0.94	0.94	0.97	0.98						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE
SEASONS

26 TPOOL_36		1	2	3	4	5	6	7
JANUARY		FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	

SUBPERIODS		1 WKDAY	2 WKNIGHT	3 WKEND				
SEASONAL PROFILE ENTRY	1.00	0.99	0.97	0.94	0.93	0.94	0.94	0.94
SEASONAL PROFILE ENTRY	1.00	0.99	0.97	0.94	0.93	0.94	0.94	0.94
SEASONAL PROFILE ENTRY	1.00	0.99	0.97	0.94	0.93	0.94	0.94	0.94

SEASONAL PROFILE
SEASONS

26 TPOOL_36		8	9	10	11	12		
AUGUST		SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER			

SUBPERIODS		1 WKDAY	2 WKNIGHT	3 WKEND				
SEASONAL PROFILE ENTRY	0.94	0.94	0.94	0.97	0.98			
SEASONAL PROFILE ENTRY	0.94	0.94	0.94	0.97	0.98			
SEASONAL PROFILE ENTRY	0.94	0.94	0.94	0.97	0.98			

SEASONAL PROFILE
SEASONS

27 TPOOL_37		1	2	3	4	5	6	7
JANUARY		FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	

SUBPERIODS		1 WKDAY	2 WKNIGHT	3 WKEND				
SEASONAL PROFILE ENTRY	1.00	0.99	0.97	0.94	0.94	0.94	0.94	0.95
SEASONAL PROFILE ENTRY	1.00	0.99	0.97	0.94	0.94	0.94	0.94	0.95
SEASONAL PROFILE ENTRY	1.00	0.99	0.97	0.94	0.94	0.94	0.94	0.95

SEASONAL PROFILE
SEASONS

27 TPOOL_37		8	9	10	11	12		
AUGUST		SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER			

SUBPERIODS		1 WKDAY	2 WKNIGHT	3 WKEND				
SEASONAL PROFILE ENTRY	0.94	0.94	0.94	0.97	0.98			
SEASONAL PROFILE ENTRY	0.94	0.94	0.94	0.97	0.98			
SEASONAL PROFILE ENTRY	0.94	0.94	0.94	0.97	0.98			

SEASONAL PROFILE
SEASONS

28 TPOOL_38		1	2	3	4	5	6	7
JANUARY		FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	

SUBPERIODS		1 WKDAY	2 WKNIGHT	3 WKEND				
SEASONAL PROFILE ENTRY	1.00	0.99	0.97	0.94	0.94	0.94	0.94	0.95
SEASONAL PROFILE ENTRY	1.00	0.99	0.97	0.94	0.94	0.94	0.94	0.95
SEASONAL PROFILE ENTRY	1.00	0.99	0.97	0.94	0.94	0.94	0.94	0.95

SEASONAL PROFILE
SEASONS

28 TPOOL_38		8	9	10	11	12		
AUGUST		SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER			

SUBPERIODS		1 WKDAY	2 WKNIGHT	3 WKEND				
SEASONAL PROFILE ENTRY	0.94	0.94	0.94	0.97	0.98			
SEASONAL PROFILE ENTRY	0.94	0.94	0.94	0.97	0.98			
SEASONAL PROFILE ENTRY	0.94	0.94	0.94	0.97	0.98			

SEASONAL PROFILE
SEASONS

29 TPOOL_39		1	2	3	4	5	6	7
JANUARY		FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	

SUBPERIODS		1 WKDAY	2 WKNIGHT	3 WKEND				
SEASONAL PROFILE ENTRY	0.94	0.94	0.94	0.97	0.98			
SEASONAL PROFILE ENTRY	0.94	0.94	0.94	0.97	0.98			
SEASONAL PROFILE ENTRY	0.94	0.94	0.94	0.97	0.98			

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.97	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.95
2	WKNIIGHT											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.97	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.95
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.97	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.95
SEASONAL PROFILE												
SEASONS												
29 TPOOL_39												
	AUGUST	8	SEPTEMBER	9	OCTOBER	10	NOVEMBER	11	DECEMBER	12		
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.94	0.94	0.94	0.94	0.97	0.97	0.97	0.98			
2	WKNIIGHT											
	SEASONAL PROFILE ENTRY	0.94	0.94	0.94	0.94	0.97	0.97	0.97	0.98			
3	WKEND											
	SEASONAL PROFILE ENTRY	0.94	0.94	0.94	0.97	0.97	0.97	0.98				
SEASONAL PROFILE												
SEASONS												
30 TPOOL_40												
	JANUARY	1	FEBRUARY	2	MARCH	3	APRIL	4	MAY	5	JUNE	6
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.97	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.95
2	WKNIIGHT											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.97	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.95
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.97	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.95
SEASONAL PROFILE												
SEASONS												
30 TPOOL_40												
	AUGUST	8	SEPTEMBER	9	OCTOBER	10	NOVEMBER	11	DECEMBER	12		
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.94	0.94	0.94	0.94	0.97	0.97	0.97	0.98			
2	WKNIIGHT											
	SEASONAL PROFILE ENTRY	0.94	0.94	0.94	0.94	0.97	0.97	0.97	0.98			
3	WKEND											
	SEASONAL PROFILE ENTRY	0.94	0.94	0.94	0.94	0.97	0.97	0.97	0.98			

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS	31 TDELV_11	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1 WKDAY	1.00	0.99	0.95	0.90	0.89	0.89	0.89	0.91
2 WKNIGHT	1.00	0.99	0.95	0.90	0.89	0.89	0.89	0.91
3 WKEND	1.00	0.99	0.95	0.90	0.89	0.89	0.89	0.91
SEASONAL PROFILE SEASONS	31 TDELV_11	8 AUGUST	9 SEPTEMBER	10 OCTOBER	11 NOVEMBER	12 DECEMBER		
SUBPERIODS								
1 WKDAY	0.91	0.90	0.90	0.94	0.96			
2 WKNIGHT	0.91	0.90	0.90	0.94	0.96			
3 WKEND	0.91	0.90	0.90	0.94	0.96			
SEASONAL PROFILE SEASONS	32 TDELV_12	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1 WKDAY	1.00	0.98	0.94	0.89	0.88	0.88	0.88	0.90
2 WKNIGHT	1.00	0.98	0.94	0.89	0.88	0.88	0.88	0.90
3 WKEND	1.00	0.98	0.94	0.89	0.88	0.88	0.88	0.90
SEASONAL PROFILE SEASONS	32 TDELV_12	8 AUGUST	9 SEPTEMBER	10 OCTOBER	11 NOVEMBER	12 DECEMBER		
SUBPERIODS								
1 WKDAY	0.90	0.88	0.90	0.94	0.96			
2 WKNIGHT	0.90	0.88	0.90	0.94	0.96			
3 WKEND	0.90	0.88	0.90	0.94	0.96			
SEASONAL PROFILE SEASONS	33 TDELV_13	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1 WKDAY	1.00	0.98	0.94	0.90	0.88	0.89	0.89	0.90
2 WKNIGHT	1.00	0.98	0.94	0.90	0.88	0.89	0.89	0.90
3 WKEND	1.00	0.98	0.94	0.90	0.88	0.89	0.89	0.90
SEASONAL PROFILE SEASONS	33 TDELV_13	8 AUGUST	9 SEPTEMBER	10 OCTOBER	11 NOVEMBER	12 DECEMBER		
SUBPERIODS								
1 WKDAY	0.90	0.89	0.90	0.94	0.97			
2 WKNIGHT	0.90	0.89	0.90	0.94	0.97			
3 WKEND	0.90	0.89	0.90	0.94	0.97			
SEASONAL PROFILE SEASONS	34 TDELV_14	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1 WKDAY	0.90	0.89	0.90	0.94	0.97			
2 WKNIGHT	0.90	0.89	0.90	0.94	0.97			
3 WKEND	0.90	0.89	0.90	0.94	0.97			
SEASONAL PROFILE SEASONS	34 TDELV_14	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1 WKDAY	0.90	0.89	0.90	0.94	0.97			
2 WKNIGHT	0.90	0.89	0.90	0.94	0.97			
3 WKEND	0.90	0.89	0.90	0.94	0.97			

4-Company East Optimization

SUBPERIODS		SEASONS											
1 WKDAY		1.00	0.98	0.95	0.90	0.89	0.90	0.91					
SEASONAL PROFILE ENTRY													
2 WKNIGHT		1.00	0.98	0.95	0.90	0.89	0.90	0.91					
SEASONAL PROFILE ENTRY													
3 WKEND		1.00	0.98	0.95	0.90	0.89	0.90	0.91					
SEASONAL PROFILE ENTRY													
SEASONAL PROFILE SEASONS		34 TDEIV_14	8 AUGUST	9 SEPTEMBER	10 OCTOBER	11 NOVEMBER	12 DECEMBER						
SUBPERIODS													
1 WKDAY		0.91	0.90	0.91	0.95	0.97							
SEASONAL PROFILE ENTRY													
2 WKNIGHT		0.91	0.90	0.91	0.95	0.97							
SEASONAL PROFILE ENTRY													
3 WKEND		0.91	0.90	0.91	0.95	0.97							
SEASONAL PROFILE ENTRY													
SEASONAL PROFILE SEASONS		35 TDEIV_15	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY				
SUBPERIODS													
1 WKDAY		1.00	0.99	0.95	0.90	0.89	0.90	0.91					
SEASONAL PROFILE ENTRY													
2 WKNIGHT		1.00	0.99	0.95	0.90	0.89	0.90	0.91					
SEASONAL PROFILE ENTRY													
3 WKEND		1.00	0.99	0.95	0.90	0.89	0.90	0.91					
SEASONAL PROFILE ENTRY													
SEASONAL PROFILE SEASONS		35 TDEIV_15	8 AUGUST	9 SEPTEMBER	10 OCTOBER	11 NOVEMBER	12 DECEMBER						
SUBPERIODS													
1 WKDAY		0.91	0.90	0.91	0.95	0.97							
SEASONAL PROFILE ENTRY													
2 WKNIGHT		0.91	0.90	0.91	0.95	0.97							
SEASONAL PROFILE ENTRY													
3 WKEND		0.91	0.90	0.91	0.95	0.97							
SEASONAL PROFILE ENTRY													

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS	36 TDELIV_16	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		1.00	0.99	0.95	0.91	0.90	0.90	0.92
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	0.99	0.95	0.91	0.90	0.90	0.92
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	0.99	0.95	0.91	0.90	0.90	0.92
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	36 TDELIV_16	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY		0.92	0.91	0.92	0.95	0.97		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.92	0.91	0.92	0.95	0.97		
SEASONAL PROFILE ENTRY								
3 WKEND		0.92	0.91	0.92	0.95	0.97		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	37 TDELIV_17	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		1.00	0.99	0.95	0.91	0.90	0.90	0.92
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	0.99	0.95	0.91	0.90	0.90	0.92
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	0.99	0.95	0.91	0.90	0.90	0.92
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	37 TDELIV_17	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY		0.92	0.91	0.92	0.95	0.98		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.92	0.91	0.92	0.95	0.98		
SEASONAL PROFILE ENTRY								
3 WKEND		0.92	0.91	0.92	0.95	0.98		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	38 TDELIV_18	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		1.00	0.99	0.95	0.92	0.90	0.91	0.92
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	0.99	0.95	0.92	0.90	0.91	0.92
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	0.99	0.95	0.92	0.90	0.91	0.92
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	38 TDELIV_18	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY		0.92	0.91	0.92	0.95	0.97		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.92	0.91	0.92	0.95	0.97		
SEASONAL PROFILE ENTRY								
3 WKEND		0.92	0.91	0.92	0.95	0.97		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	39 TDELIV_19	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		0.92	0.91	0.92	0.95	0.97		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.92	0.91	0.92	0.95	0.97		
SEASONAL PROFILE ENTRY								
3 WKEND		0.92	0.91	0.92	0.95	0.97		
SEASONAL PROFILE ENTRY								

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.99	0.95	0.92	0.91	0.91	0.92				
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.99	0.95	0.92	0.91	0.91	0.92				
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	0.99	0.95	0.92	0.91	0.91	0.92				
SEASONAL PROFILE SEASONS												
39 TDELIV_19												
AUGUST 8												
SEPTEMBER 9												
OCTOBER 10												
NOVEMBER 11												
DECEMBER 12												
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.92	0.91	0.92	0.96	0.98						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.92	0.91	0.92	0.96	0.98						
3	WKEND											
SEASONAL PROFILE ENTRY		0.92	0.91	0.92	0.96	0.98						
SEASONAL PROFILE SEASONS												
40 TDELIV_20												
JANUARY 1												
FEBRUARY 2												
MARCH 3												
APRIL 4												
MAY 5												
JUNE 6												
JULY 7												
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.99	0.95	0.92	0.91	0.91	0.92				
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.99	0.95	0.92	0.91	0.91	0.92				
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	0.99	0.95	0.92	0.91	0.91	0.92				
SEASONAL PROFILE SEASONS												
40 TDELIV_20												
AUGUST 8												
SEPTEMBER 9												
OCTOBER 10												
NOVEMBER 11												
DECEMBER 12												
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.92	0.91	0.92	0.96	0.98						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.92	0.91	0.92	0.96	0.98						
3	WKEND											
SEASONAL PROFILE ENTRY		0.92	0.91	0.92	0.96	0.98						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS	41 TDEIV_21	1	JANUARY	2	FEBRUARY	3	MARCH	4	APRIL	5	MAY	6	JUNE	7	JULY
SUBPERIODS															
1 WKDAY		1.00		0.99	0.95	0.92	0.91	0.91	0.93						
SEASONAL PROFILE ENTRY															
2 WKNIGHT		1.00		0.99	0.95	0.92	0.91	0.91	0.93						
SEASONAL PROFILE ENTRY															
3 WKEND		1.00		0.99	0.95	0.92	0.91	0.91	0.93						
SEASONAL PROFILE ENTRY															
SEASONAL PROFILE SEASONS	41 TDEIV_21	8	AUGUST	9	SEPTEMBER	10	OCTOBER	11	NOVEMBER	12	DECEMBER				
SUBPERIODS															
1 WKDAY		0.92		0.92	0.92	0.96	0.98								
SEASONAL PROFILE ENTRY															
2 WKNIGHT		0.92		0.92	0.92	0.96	0.98								
SEASONAL PROFILE ENTRY															
3 WKEND		0.92		0.92	0.92	0.96	0.98								
SEASONAL PROFILE ENTRY															
SEASONAL PROFILE SEASONS	42 TDEIV_22	1	JANUARY	2	FEBRUARY	3	MARCH	4	APRIL	5	MAY	6	JUNE	7	JULY
SUBPERIODS															
1 WKDAY		1.00		0.99	0.96	0.93	0.92	0.92	0.92	0.92	0.92	0.92	0.93		
SEASONAL PROFILE ENTRY															
2 WKNIGHT		1.00		0.99	0.96	0.93	0.92	0.92	0.92	0.92	0.92	0.92	0.93		
SEASONAL PROFILE ENTRY															
3 WKEND		1.00		0.99	0.96	0.93	0.92	0.92	0.92	0.92	0.92	0.92	0.93		
SEASONAL PROFILE ENTRY															
SEASONAL PROFILE SEASONS	42 TDEIV_22	8	AUGUST	9	SEPTEMBER	10	OCTOBER	11	NOVEMBER	12	DECEMBER				
SUBPERIODS															
1 WKDAY		0.93		0.92	0.93	0.96	0.98								
SEASONAL PROFILE ENTRY															
2 WKNIGHT		0.93		0.92	0.93	0.96	0.98								
SEASONAL PROFILE ENTRY															
3 WKEND		0.93		0.92	0.93	0.96	0.98								
SEASONAL PROFILE ENTRY															
SEASONAL PROFILE SEASONS	43 TDEIV_23	1	JANUARY	2	FEBRUARY	3	MARCH	4	APRIL	5	MAY	6	JUNE	7	JULY
SUBPERIODS															
1 WKDAY		1.00		0.99	0.96	0.93	0.92	0.92	0.92	0.92	0.92	0.92	0.93		
SEASONAL PROFILE ENTRY															
2 WKNIGHT		1.00		0.99	0.96	0.93	0.92	0.92	0.92	0.92	0.92	0.92	0.93		
SEASONAL PROFILE ENTRY															
3 WKEND		1.00		0.99	0.96	0.93	0.92	0.92	0.92	0.92	0.92	0.92	0.93		
SEASONAL PROFILE ENTRY															
SEASONAL PROFILE SEASONS	43 TDEIV_23	8	AUGUST	9	SEPTEMBER	10	OCTOBER	11	NOVEMBER	12	DECEMBER				
SUBPERIODS															
1 WKDAY		0.93		0.92	0.93	0.96	0.98								
SEASONAL PROFILE ENTRY															
2 WKNIGHT		0.93		0.92	0.93	0.96	0.98								
SEASONAL PROFILE ENTRY															
3 WKEND		0.93		0.92	0.93	0.96	0.98								
SEASONAL PROFILE ENTRY															
SEASONAL PROFILE SEASONS	44 TDEIV_24	1	JANUARY	2	FEBRUARY	3	MARCH	4	APRIL	5	MAY	6	JUNE	7	JULY
SUBPERIODS															
1 WKDAY		0.93		0.92	0.93	0.96	0.98								
SEASONAL PROFILE ENTRY															
2 WKNIGHT		0.93		0.92	0.93	0.96	0.98								
SEASONAL PROFILE ENTRY															
3 WKEND		0.93		0.92	0.93	0.96	0.98								
SEASONAL PROFILE ENTRY															
SEASONAL PROFILE SEASONS	44 TDEIV_24	1	JANUARY	2	FEBRUARY	3	MARCH	4	APRIL	5	MAY	6	JUNE	7	JULY
SUBPERIODS															
1 WKDAY		0.93		0.92	0.93	0.96	0.98								
SEASONAL PROFILE ENTRY															
2 WKNIGHT		0.93		0.92	0.93	0.96	0.98								
SEASONAL PROFILE ENTRY															
3 WKEND		0.93		0.92	0.93	0.96	0.98								
SEASONAL PROFILE ENTRY															

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.96	0.93	0.92	0.92	0.92	0.92	0.92	0.92	0.93
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.96	0.93	0.92	0.92	0.93	0.96	0.98	0.92	0.93
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.96	0.93	0.92	0.92	0.93	0.96	0.98	0.92	0.93
SEASONAL PROFILE SEASONS												
44 TDELY_24												
	AUGUST	8	SEPTEMBER	9	OCTOBER	10	NOVEMBER	11	DECEMBER	12		
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.93	0.92	0.93	0.96	0.96	0.96	0.98	0.98			
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.93	0.92	0.93	0.96	0.96	0.96	0.98	0.98			
3	WKEND											
	SEASONAL PROFILE ENTRY	0.93	0.92	0.93	0.96	0.96	0.96	0.98	0.98			
SEASONAL PROFILE SEASONS												
45 TDELY_25												
	JANUARY	1	FEBRUARY	2	MARCH	3	APRIL	4	MAY	5	JUNE	6
	JULY	7										
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.96	0.93	0.92	0.92	0.92	0.92	0.92	0.92	0.93
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.96	0.93	0.92	0.92	0.92	0.92	0.92	0.92	0.93
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.96	0.93	0.92	0.92	0.92	0.92	0.92	0.92	0.93
SEASONAL PROFILE SEASONS												
45 TDELY_25												
	AUGUST	8	SEPTEMBER	9	OCTOBER	10	NOVEMBER	11	DECEMBER	12		
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.93	0.93	0.93	0.96	0.96	0.96	0.98				
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.93	0.93	0.93	0.96	0.96	0.96	0.98				
3	WKEND											
	SEASONAL PROFILE ENTRY	0.93	0.93	0.93	0.96	0.96	0.96	0.98				

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS	46 TDELIV_26	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1 WKDAY	1.00	0.99	0.96	0.93	0.92	0.93	0.94	
SEASONAL PROFILE ENTRY								
2 WKNIGHT	1.00	0.99	0.96	0.93	0.92	0.93	0.94	
SEASONAL PROFILE ENTRY								
3 WKEND	1.00	0.99	0.96	0.93	0.92	0.93	0.94	
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	46 TDELIV_26	8 AUGUST	9 SEPTEMBER	10 OCTOBER	11 NOVEMBER	12 DECEMBER		
SUBPERIODS								
1 WKDAY	0.93	0.93	0.93	0.96	0.98			
SEASONAL PROFILE ENTRY								
2 WKNIGHT	0.93	0.93	0.93	0.96	0.98			
SEASONAL PROFILE ENTRY								
3 WKEND	0.93	0.93	0.93	0.96	0.98			
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	47 TDELIV_27	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1 WKDAY	1.00	0.99	0.96	0.93	0.93	0.93	0.93	0.94
SEASONAL PROFILE ENTRY								
2 WKNIGHT	1.00	0.99	0.96	0.93	0.93	0.93	0.93	0.94
SEASONAL PROFILE ENTRY								
3 WKEND	1.00	0.99	0.96	0.93	0.93	0.93	0.93	0.94
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	48 TDELIV_28	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1 WKDAY	1.00	0.99	0.96	0.93	0.93	0.93	0.93	0.94
SEASONAL PROFILE ENTRY								
2 WKNIGHT	1.00	0.99	0.96	0.93	0.93	0.93	0.93	0.94
SEASONAL PROFILE ENTRY								
3 WKEND	1.00	0.99	0.96	0.93	0.93	0.93	0.93	0.94
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	48 TDELIV_28	8 AUGUST	9 SEPTEMBER	10 OCTOBER	11 NOVEMBER	12 DECEMBER		
SUBPERIODS								
1 WKDAY	0.94	0.93	0.94	0.96	0.98			
SEASONAL PROFILE ENTRY								
2 WKNIGHT	0.94	0.93	0.94	0.96	0.98			
SEASONAL PROFILE ENTRY								
3 WKEND	0.94	0.93	0.94	0.96	0.98			
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	49 TDELIV_29	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1 WKDAY	0.94	0.93	0.94	0.96	0.98			
SEASONAL PROFILE ENTRY								
2 WKNIGHT	0.94	0.93	0.94	0.96	0.98			
SEASONAL PROFILE ENTRY								
3 WKEND	0.94	0.93	0.94	0.96	0.98			
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	49 TDELIV_29	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1 WKDAY	0.94	0.93	0.94	0.96	0.98			
SEASONAL PROFILE ENTRY								
2 WKNIGHT	0.94	0.93	0.94	0.96	0.98			
SEASONAL PROFILE ENTRY								
3 WKEND	0.94	0.93	0.94	0.96	0.98			
SEASONAL PROFILE ENTRY								

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SUBPERIODS												
1	WKDAY	1.00	0.99	0.96	0.94	0.93	0.93	0.93	0.94			
SEASONAL PROFILE ENTRY												
2	WKNIGHT	1.00	0.99	0.96	0.94	0.93	0.93	0.93	0.94			
SEASONAL PROFILE ENTRY												
3	WKEND	1.00	0.99	0.96	0.94	0.93	0.93	0.93	0.94			
SEASONAL PROFILE ENTRY												
SEASONAL PROFILE SEASONS												
		49 TDELY_29	8	9	10	11	12					
SUBPERIODS												
1	WKDAY	0.94	0.93	0.94	0.96	0.96	0.98					
SEASONAL PROFILE ENTRY												
2	WKNIGHT	0.94	0.93	0.94	0.96	0.96	0.98					
SEASONAL PROFILE ENTRY												
3	WKEND	0.94	0.93	0.94	0.96	0.96	0.98					
SEASONAL PROFILE ENTRY												
SEASONAL PROFILE SEASONS												
		50 TDELY_30	1	2	3	4	5	6	7			
SUBPERIODS												
1	WKDAY	1.00	0.99	0.96	0.94	0.93	0.93	0.93	0.94			
SEASONAL PROFILE ENTRY												
2	WKNIGHT	1.00	0.99	0.96	0.94	0.93	0.93	0.93	0.94			
SEASONAL PROFILE ENTRY												
3	WKEND	1.00	0.99	0.96	0.94	0.93	0.93	0.93	0.94			
SEASONAL PROFILE ENTRY												
SEASONAL PROFILE SEASONS												
		50 TDELY_30	8	9	10	11	12					
SUBPERIODS												
1	WKDAY	0.94	0.93	0.94	0.97	0.98						
SEASONAL PROFILE ENTRY												
2	WKNIGHT	0.94	0.93	0.94	0.97	0.98						
SEASONAL PROFILE ENTRY												
3	WKEND	0.94	0.93	0.94	0.97	0.98						
SEASONAL PROFILE ENTRY												

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS	51 TDELV_31	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1 WKDAY	1.00	0.99	0.96	0.94	0.93	0.93	0.93	0.94
2 WKNIGHT	1.00	0.99	0.96	0.94	0.93	0.93	0.93	0.94
3 WKEND	1.00	0.99	0.96	0.94	0.93	0.93	0.93	0.94
SEASONAL PROFILE SEASONS	51 TDELV_31	8 AUGUST	9 SEPTEMBER	10 OCTOBER	11 NOVEMBER	12 DECEMBER		
SUBPERIODS								
1 WKDAY	0.94	0.93	0.94	0.97	0.98			
2 WKNIGHT	0.94	0.93	0.94	0.97	0.98			
3 WKEND	0.94	0.93	0.94	0.97	0.98			
SEASONAL PROFILE SEASONS	52 TDELV_32	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1 WKDAY	1.00	0.99	0.96	0.94	0.93	0.93	0.93	0.94
2 WKNIGHT	1.00	0.99	0.96	0.94	0.93	0.93	0.93	0.94
3 WKEND	1.00	0.99	0.96	0.94	0.93	0.93	0.93	0.94
SEASONAL PROFILE SEASONS	52 TDELV_32	8 AUGUST	9 SEPTEMBER	10 OCTOBER	11 NOVEMBER	12 DECEMBER		
SUBPERIODS								
1 WKDAY	0.94	0.94	0.94	0.97	0.98			
2 WKNIGHT	0.94	0.94	0.94	0.97	0.98			
3 WKEND	0.94	0.94	0.94	0.97	0.98			
SEASONAL PROFILE SEASONS	53 TDELV_33	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1 WKDAY	1.00	0.99	0.96	0.94	0.93	0.93	0.93	0.94
2 WKNIGHT	1.00	0.99	0.96	0.94	0.93	0.93	0.93	0.94
3 WKEND	1.00	0.99	0.96	0.94	0.93	0.93	0.93	0.94
SEASONAL PROFILE SEASONS	53 TDELV_33	8 AUGUST	9 SEPTEMBER	10 OCTOBER	11 NOVEMBER	12 DECEMBER		
SUBPERIODS								
1 WKDAY	0.94	0.94	0.94	0.97	0.98			
2 WKNIGHT	0.94	0.94	0.94	0.97	0.98			
3 WKEND	0.94	0.94	0.94	0.97	0.98			
SEASONAL PROFILE SEASONS	54 TDELV_34	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1 WKDAY	0.94	0.94	0.94	0.97	0.98			
2 WKNIGHT	0.94	0.94	0.94	0.97	0.98			
3 WKEND	0.94	0.94	0.94	0.97	0.98			
SEASONAL PROFILE SEASONS	41							

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SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.97	0.94	0.93	0.93	0.94				
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.97	0.94	0.93	0.93	0.94				
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.97	0.94	0.93	0.93	0.94				
	SEASONAL PROFILE SEASONS	54	TDELIV_34									
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.94	0.94	0.94	0.97	0.98						
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.94	0.94	0.94	0.97	0.98						
3	WKEND											
	SEASONAL PROFILE ENTRY	0.94	0.94	0.94	0.97	0.98						
	SEASONAL PROFILE SEASONS	55	TDELIV_35									
SUBPERIODS												
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY				
1	WKDAY	1	2	3	4	5	6	7				
	SEASONAL PROFILE ENTRY	1.00	0.99	0.97	0.94	0.94	0.94	0.94				
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.97	0.94	0.94	0.94	0.94				
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.97	0.94	0.94	0.94	0.94				
	SEASONAL PROFILE SEASONS	55	TDELIV_35									
SUBPERIODS												
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER						
1	WKDAY	8	9	10	11	12						
	SEASONAL PROFILE ENTRY	0.94	0.94	0.94	0.97	0.98						
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.94	0.94	0.94	0.97	0.98						
3	WKEND											
	SEASONAL PROFILE ENTRY	0.94	0.94	0.94	0.97	0.98						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS	56 TDELV_36	1	JANUARY	2	FEBRUARY	3	MARCH	4	APRIL	5	MAY	6	JUNE	7	JULY
SUBPERIODS															
1 WKDAY		1.00		0.99		0.97		0.94		0.94		0.94		0.94	0.95
2 WKNIGHT		1.00		0.99		0.97		0.94		0.94		0.94		0.94	0.95
3 WKEND		1.00		0.99		0.97		0.94		0.94		0.94		0.94	0.95
SEASONAL PROFILE SEASONS	56 TDELV_36	8	AUGUST	9	SEPTEMBER	10	OCTOBER	11	NOVEMBER	12	DECEMBER				
SUBPERIODS															
1 WKDAY		0.95		0.94		0.95		0.97		0.98		0.94		0.94	0.95
2 WKNIGHT		0.95		0.94		0.95		0.97		0.98		0.94		0.94	0.95
3 WKEND		0.95		0.94		0.95		0.97		0.98		0.94		0.94	0.95
SEASONAL PROFILE SEASONS	57 TDELV_37	8	AUGUST	9	SEPTEMBER	10	OCTOBER	11	NOVEMBER	12	DECEMBER				
SUBPERIODS															
1 WKDAY		1.00		0.99		0.97		0.94		0.94		0.94		0.94	0.95
2 WKNIGHT		1.00		0.99		0.97		0.94		0.94		0.94		0.94	0.95
3 WKEND		1.00		0.99		0.97		0.94		0.94		0.94		0.94	0.95
SEASONAL PROFILE SEASONS	57 TDELV_37	8	AUGUST	9	SEPTEMBER	10	OCTOBER	11	NOVEMBER	12	DECEMBER				
SUBPERIODS															
1 WKDAY		0.95		0.94		0.95		0.97		0.98		0.94		0.94	0.95
2 WKNIGHT		0.95		0.94		0.95		0.97		0.98		0.94		0.94	0.95
3 WKEND		0.95		0.94		0.95		0.97		0.98		0.94		0.94	0.95
SEASONAL PROFILE SEASONS	58 TDELV_38	1	JANUARY	2	FEBRUARY	3	MARCH	4	APRIL	5	MAY	6	JUNE	7	JULY
SUBPERIODS															
1 WKDAY		1.00		0.99		0.97		0.94		0.94		0.94		0.94	0.95
2 WKNIGHT		1.00		0.99		0.97		0.94		0.94		0.94		0.94	0.95
3 WKEND		1.00		0.99		0.97		0.94		0.94		0.94		0.94	0.95
SEASONAL PROFILE SEASONS	58 TDELV_38	8	AUGUST	9	SEPTEMBER	10	OCTOBER	11	NOVEMBER	12	DECEMBER				
SUBPERIODS															
1 WKDAY		0.95		0.94		0.95		0.97		0.98		0.94		0.94	0.95
2 WKNIGHT		0.95		0.94		0.95		0.97		0.98		0.94		0.94	0.95
3 WKEND		0.95		0.94		0.95		0.97		0.98		0.94		0.94	0.95
SEASONAL PROFILE SEASONS	59 TDELV_39	1	JANUARY	2	FEBRUARY	3	MARCH	4	APRIL	5	MAY	6	JUNE	7	JULY
SUBPERIODS															
1 WKDAY		0.95		0.94		0.95		0.97		0.98		0.94		0.94	0.95
2 WKNIGHT		0.95		0.94		0.95		0.97		0.98		0.94		0.94	0.95
3 WKEND		0.95		0.94		0.95		0.97		0.98		0.94		0.94	0.95
SEASONAL PROFILE SEASONS	59 TDELV_39	1	JANUARY	2	FEBRUARY	3	MARCH	4	APRIL	5	MAY	6	JUNE	7	JULY
SUBPERIODS															
1 WKDAY		0.95		0.94		0.95		0.97		0.98		0.94		0.94	0.95
2 WKNIGHT		0.95		0.94		0.95		0.97		0.98		0.94		0.94	0.95
3 WKEND		0.95		0.94		0.95		0.97		0.98		0.94		0.94	0.95

SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.99	0.97	0.95	0.94	0.94	0.95	0.95	0.94	0.95	
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.99	0.97	0.95	0.94	0.94	0.95	0.95	0.94	0.95	
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	0.99	0.97	0.95	0.94	0.94	0.95	0.95	0.94	0.95	
SEASONAL PROFILE SEASONS		59 TDELY_39										
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.95	0.94	0.95	0.97	0.98	0.98	0.97	0.97	0.98	0.98	
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.95	0.94	0.95	0.97	0.98	0.98	0.97	0.97	0.98	0.98	
3	WKEND											
SEASONAL PROFILE ENTRY		0.95	0.94	0.95	0.97	0.98	0.98	0.97	0.97	0.98	0.98	
SEASONAL PROFILE SEASONS		60 TDELY_40										
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.99	0.97	0.95	0.94	0.94	0.95	0.95	0.94	0.95	
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.99	0.97	0.95	0.94	0.94	0.95	0.95	0.94	0.95	
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	0.99	0.97	0.95	0.94	0.94	0.95	0.95	0.94	0.95	
SEASONAL PROFILE SEASONS		60 TDELY_40										
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.95	0.95	0.95	0.97	0.99	0.99	0.97	0.97	0.99	0.99	
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.95	0.95	0.95	0.97	0.99	0.99	0.97	0.97	0.99	0.99	
3	WKEND											
SEASONAL PROFILE ENTRY		0.95	0.95	0.95	0.97	0.99	0.99	0.97	0.97	0.99	0.99	

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

		63 Amos1_11												
		1	2	3	4	5	6	7	64 Amos1_12					
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	8	9	10	11	12	
		AUGUST												
		SEPTEMBER												
		OCTOBER												
		NOVEMBER												
		DECEMBER												
SEASONAL PROFILE	1 WKDAY	1.00	0.99	0.97	0.96	0.96	0.94	0.93	0.97	0.97	0.98	0.97	0.97	0.98
SEASONAL PROFILE ENTRY	2 WKNIGHT	1.00	0.99	0.97	0.96	0.96	0.94	0.93	0.97	0.97	0.98	0.97	0.97	0.98
SEASONAL PROFILE ENTRY	3 WKEND	1.00	0.99	0.97	0.96	0.96	0.94	0.93	0.97	0.97	0.98	0.97	0.97	0.98
SUBPERIODS														
SEASONAL PROFILE		65 Beck_11												
SEASONS		1	2	3	4	5	6	7	65 Amos1_11					
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	8	9	10	11	12	
		AUGUST												
		SEPTEMBER												
		OCTOBER												
		NOVEMBER												
		DECEMBER												
SEASONAL PROFILE	1 WKDAY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.98	0.98	0.98	0.99	1.00	1.00
SEASONAL PROFILE ENTRY	2 WKNIGHT	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.98	0.98	0.98	0.99	1.00	1.00
SEASONAL PROFILE ENTRY	3 WKEND	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.98	0.98	0.98	0.99	1.00	1.00
SUBPERIODS														
SEASONAL PROFILE		66 Am3_11												
SEASONS		1	2	3	4	5	6	7	66 Am3_11					
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	8	9	10	11	12	
		AUGUST												
		SEPTEMBER												
		OCTOBER												
		NOVEMBER												
		DECEMBER												
SEASONAL PROFILE	1 WKDAY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY	2 WKNIGHT	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY	3 WKEND	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SUBPERIODS														

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.99	0.98	0.97	0.96	0.95	0.93				
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.99	0.98	0.97	0.96	0.95	0.93				
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	0.99	0.98	0.97	0.96	0.95	0.93				
SEASONAL PROFILE												
66 AM3_11												
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.92	0.89	0.89	0.89	0.89						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.92	0.89	0.89	0.89	0.89						
3	WKEND											
SEASONAL PROFILE ENTRY		0.92	0.89	0.89	0.89	0.89						
SEASONAL PROFILE												
67 AM3_12												
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.94	0.96	0.98	0.96	0.97	0.98	0.98				
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.94	0.96	0.98	0.96	0.97	0.98	0.98				
3	WKEND											
SEASONAL PROFILE ENTRY		0.94	0.96	0.98	0.96	0.97	0.98	0.98				
SEASONAL PROFILE												
67 AM3_12												
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.99	0.98	0.99	1.00	1.00						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.99	0.98	0.99	1.00	1.00						
3	WKEND											
SEASONAL PROFILE ENTRY		0.99	0.98	0.99	1.00	1.00						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE 68 Bigs_11
SEASONS JANUARY 1 FEBRUARY 2 MARCH 3 APRIL 4 MAY 5 JUNE 6 JULY 7

SUBPERIODS																		
1 WKDAY	SEASONAL PROFILE ENTRY	0.95	0.97	0.98	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2 WKNIGHT	SEASONAL PROFILE ENTRY	0.95	0.97	0.98	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 WKEND	SEASONAL PROFILE ENTRY	0.95	0.97	0.98	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

SEASONAL PROFILE 68 Bigs_11
SEASONS AUGUST 8 SEPTEMBER 9 OCTOBER 10 NOVEMBER 11 DECEMBER 12

SUBPERIODS																		
1 WKDAY	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2 WKNIGHT	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 WKEND	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

SEASONAL PROFILE 70 Card1_11
SEASONS JANUARY 1 FEBRUARY 2 MARCH 3 APRIL 4 MAY 5 JUNE 6 JULY 7

SUBPERIODS																		
1 WKDAY	SEASONAL PROFILE ENTRY	0.93	0.93	0.94	0.94	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
2 WKNIGHT	SEASONAL PROFILE ENTRY	0.93	0.93	0.94	0.94	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
3 WKEND	SEASONAL PROFILE ENTRY	0.93	0.93	0.94	0.94	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95

SEASONAL PROFILE 70 Card1_11
SEASONS AUGUST 8 SEPTEMBER 9 OCTOBER 10 NOVEMBER 11 DECEMBER 12

SUBPERIODS																		
1 WKDAY	SEASONAL PROFILE ENTRY	0.95	0.97	0.98	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2 WKNIGHT	SEASONAL PROFILE ENTRY	0.95	0.97	0.98	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 WKEND	SEASONAL PROFILE ENTRY	0.95	0.97	0.98	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

SEASONAL PROFILE 71 Card1_12
SEASONS JANUARY 1 FEBRUARY 2 MARCH 3 APRIL 4 MAY 5 JUNE 6 JULY 7

SUBPERIODS																		
1 WKDAY	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
2 WKNIGHT	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
3 WKEND	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99

SEASONAL PROFILE 71 Card1_12
SEASONS AUGUST 8 SEPTEMBER 9 OCTOBER 10 NOVEMBER 11 DECEMBER 12

SUBPERIODS																		
1 WKDAY	SEASONAL PROFILE ENTRY	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
2 WKNIGHT	SEASONAL PROFILE ENTRY	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
3 WKEND	SEASONAL PROFILE ENTRY	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97

SEASONAL PROFILE 73 Card2_11
SEASONS JANUARY 1 FEBRUARY 2 MARCH 3 APRIL 4 MAY 5 JUNE 6 JULY 7

SUBPERIODS		73 Card2_11												
		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12							JUNE 6	JULY 7
1	WKDAY	1.00	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
SEASONAL PROFILE ENTRY														
2	WKNIIGHT	1.00	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
SEASONAL PROFILE ENTRY														
3	WKEND	1.00	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
SEASONAL PROFILE ENTRY														
SEASONAL PROFILE SEASONS														
SUBPERIODS		74 Card2_12												
		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12							JUNE 6	JULY 7
1	WKDAY	0.95	0.96	0.97	0.97	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
SEASONAL PROFILE ENTRY														
2	WKNIIGHT	0.95	0.96	0.97	0.97	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
SEASONAL PROFILE ENTRY														
3	WKEND	0.95	0.96	0.97	0.97	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
SEASONAL PROFILE ENTRY														
SEASONAL PROFILE SEASONS														
SUBPERIODS		74 Card2_12												
		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12							JUNE 6	JULY 7
1	WKDAY	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY														
2	WKNIIGHT	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY														
3	WKEND	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY														

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS		76 Card3_11						
SUBPERIODS		1	2	3	4	5	6	7
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	0.96	0.97	0.98	0.99	0.99	0.99	1.00
2	WKNIGHT	0.96	0.97	0.98	0.99	0.99	0.99	1.00
3	WKEND	0.96	0.97	0.98	0.99	0.99	0.99	1.00
SEASONAL PROFILE SEASONS		76 Card3_11						
SUBPERIODS		8	9	10	11	12		
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
1	WKDAY	1.00	1.00	1.00	1.00	1.00		
2	WKNIGHT	1.00	1.00	1.00	1.00	1.00		
3	WKEND	1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE SEASONS		77 Card3_12						
SUBPERIODS		1	2	3	4	5	6	7
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	0.99	0.99	0.99	0.99	0.99	0.99	1.00
2	WKNIGHT	0.99	0.99	0.99	0.99	0.99	0.99	1.00
3	WKEND	0.99	0.99	0.99	0.99	0.99	0.99	1.00
SEASONAL PROFILE SEASONS		77 Card3_12						
SUBPERIODS		8	9	10	11	12		
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
1	WKDAY	1.00	1.00	1.00	1.00	1.00		
2	WKNIGHT	1.00	1.00	1.00	1.00	1.00		
3	WKEND	1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE SEASONS		79 AM2_11						
SUBPERIODS		1	2	3	4	5	6	7
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	1.00	0.99	0.98	0.98	0.97	0.96	0.95
2	WKNIGHT	1.00	0.99	0.98	0.98	0.97	0.96	0.95
3	WKEND	1.00	0.99	0.98	0.98	0.97	0.96	0.95
SEASONAL PROFILE SEASONS		79 AM2_11						
SUBPERIODS		8	9	10	11	12		
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
1	WKDAY	0.94	0.93	0.91	0.90	0.90		
2	WKNIGHT	0.94	0.93	0.91	0.90	0.90		
3	WKEND	0.94	0.93	0.91	0.90	0.90		
SEASONAL PROFILE SEASONS		80 AM2_12						
SUBPERIODS		1	2	3	4	5	6	7
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	0.94	0.93	0.91	0.90	0.90		
2	WKNIGHT	0.94	0.93	0.91	0.90	0.90		
3	WKEND	0.94	0.93	0.91	0.90	0.90		

4-Company East Optimization

SUBPERIODS		80 AM2_12											
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER							
		8	9	10	11	12							
1	WKDAY	0.93	0.94	0.95	0.95	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.97
SEASONAL PROFILE ENTRY													
2	WKNIGHT	0.93	0.94	0.95	0.95	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.97
SEASONAL PROFILE ENTRY													
3	WKEND	0.93	0.94	0.95	0.95	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.97
SEASONAL PROFILE ENTRY													
SEASONAL PROFILE SEASONS													
SUBPERIODS		82 CLRV_11											
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY					
		1	2	3	4	5	6	7					
1	WKDAY	1.00	1.00	0.99	0.99	0.99	0.98	0.99	0.99	0.98	0.98	0.99	0.99
SEASONAL PROFILE ENTRY													
2	WKNIGHT	1.00	1.00	0.99	0.99	0.99	0.98	0.99	0.99	0.98	0.98	0.99	0.99
SEASONAL PROFILE ENTRY													
3	WKEND	1.00	1.00	0.99	0.99	0.99	0.98	0.99	0.99	0.98	0.98	0.99	0.99
SEASONAL PROFILE ENTRY													
SEASONAL PROFILE SEASONS													
SUBPERIODS		82 CLRV_11											
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER							
		8	9	10	11	12							
1	WKDAY	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
SEASONAL PROFILE ENTRY													
2	WKNIGHT	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
SEASONAL PROFILE ENTRY													
3	WKEND	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
SEASONAL PROFILE ENTRY													

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS		83 CLRV_12						
SUBPERIODS		1	2	3	4	5	6	7
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	0.81	0.85	0.89	0.92	0.94	0.95	0.97
2	WKNIGHT	0.81	0.85	0.89	0.92	0.94	0.95	0.97
3	WKEND	0.81	0.85	0.89	0.92	0.94	0.95	0.97
SEASONAL PROFILE SEASONS		83 CLRV_12						
SUBPERIODS		8	9	10	11	12		
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
1	WKDAY	0.98	0.99	0.99	0.99	1.00		
2	WKNIGHT	0.98	0.99	0.99	0.99	1.00		
3	WKEND	0.98	0.99	0.99	0.99	1.00		
SEASONAL PROFILE SEASONS		85 CSVL3_11						
SUBPERIODS		1	2	3	4	5	6	7
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	0.99	1.00	1.00	1.00	1.00	1.00	1.00
2	WKNIGHT	0.99	1.00	1.00	1.00	1.00	1.00	1.00
3	WKEND	0.99	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE SEASONS		85 CSVL3_11						
SUBPERIODS		8	9	10	11	12		
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
1	WKDAY	1.00	1.00	1.00	1.00	1.00		
2	WKNIGHT	1.00	1.00	1.00	1.00	1.00		
3	WKEND	1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE SEASONS		86 CSVL3_12						
SUBPERIODS		1	2	3	4	5	6	7
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	0.88	0.91	0.93	0.95	0.96	0.96	0.97
2	WKNIGHT	0.88	0.91	0.93	0.95	0.96	0.96	0.97
3	WKEND	0.88	0.91	0.93	0.95	0.96	0.96	0.97
SEASONAL PROFILE SEASONS		86 CSVL3_12						
SUBPERIODS		8	9	10	11	12		
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
1	WKDAY	0.98	0.99	0.99	0.99	1.00		
2	WKNIGHT	0.98	0.99	0.99	0.99	1.00		
3	WKEND	0.98	0.99	0.99	0.99	1.00		
SEASONAL PROFILE SEASONS		88 CSVL4_11						
SUBPERIODS		1	2	3	4	5	6	7
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	0.98	0.99	0.99	0.99	1.00		
2	WKNIGHT	0.98	0.99	0.99	0.99	1.00		
3	WKEND	0.98	0.99	0.99	0.99	1.00		

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	WKEND											
	SEASONAL PROFILE ENTRY	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	SEASONAL PROFILE SEASONS	88 CSVL4_11										
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	SEASONAL PROFILE SEASONS	89 CSVL4_12										
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.88	0.91	0.93	0.95	0.96	0.96	0.96	0.96	0.96	0.97	0.97
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.88	0.91	0.93	0.95	0.96	0.96	0.96	0.96	0.96	0.97	0.97
3	WKEND											
	SEASONAL PROFILE ENTRY	0.88	0.91	0.93	0.95	0.96	0.96	0.96	0.96	0.96	0.97	0.97
	SEASONAL PROFILE SEASONS	89 CSVL4_12										
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.98	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.98	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	WKEND											
	SEASONAL PROFILE ENTRY	0.98	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS	91 CSV56_11	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		0.88	0.90	0.91	0.92	0.92	0.95	0.97
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.88	0.90	0.91	0.92	0.92	0.95	0.97
SEASONAL PROFILE ENTRY								
3 WKEND		0.88	0.90	0.91	0.92	0.92	0.95	0.97
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	91 CSV56_11	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY		0.98	0.99	0.99	1.00	1.00		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.98	0.99	0.99	1.00	1.00		
SEASONAL PROFILE ENTRY								
3 WKEND		0.98	0.99	0.99	1.00	1.00		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	92 CSV56_12	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		1.00	1.00	0.99	0.99	0.99	0.98	0.99
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	1.00	0.99	0.99	0.99	0.98	0.99
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	0.99	0.99	0.99	0.98	0.99
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	92 CSV56_12	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY		0.99	0.99	1.00	1.00	1.00		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.99	0.99	1.00	1.00	1.00		
SEASONAL PROFILE ENTRY								
3 WKEND		0.99	0.99	1.00	1.00	1.00		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	95 Nucl_11	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		0.98	0.98	0.98	0.99	0.99	1.00	1.00
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.98	0.98	0.98	0.99	0.99	1.00	1.00
SEASONAL PROFILE ENTRY								
3 WKEND		0.98	0.98	0.98	0.99	0.99	1.00	1.00
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	95 Nucl_11	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY		1.00	1.00	0.97	0.94	0.95		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	1.00	0.97	0.94	0.95		
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	0.97	0.94	0.95		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	96 Nucl_12	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								

4-Company East Optimization

SUBPERIODS		96 Nucl_12						
		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
1	WKDAY	0.95	0.95	0.95	0.95	0.97	0.98	1.00
SEASONAL PROFILE ENTRY								
2	WKNIGHT	0.95	0.95	0.95	0.95	0.97	0.98	1.00
SEASONAL PROFILE ENTRY								
3	WKEND	0.95	0.95	0.95	0.95	0.97	0.98	1.00
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS		97 Nucl_13						
		JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
1	WKDAY	1.00	0.98	0.97	0.95	0.95	0.93	0.95
SEASONAL PROFILE ENTRY								
2	WKNIGHT	1.00	0.98	0.97	0.95	0.95	0.93	0.95
SEASONAL PROFILE ENTRY								
3	WKEND	1.00	0.98	0.97	0.95	0.95	0.93	0.95
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS		97 Nucl_13						
		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
1	WKDAY	0.95	0.94	0.93	0.90	0.91		
SEASONAL PROFILE ENTRY								
2	WKNIGHT	0.95	0.94	0.93	0.90	0.91		
SEASONAL PROFILE ENTRY								
3	WKEND	0.95	0.94	0.93	0.90	0.91		
SEASONAL PROFILE ENTRY								

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS		98 Nucl_14						
SUBPERIODS		1	2	3	4	5	6	7
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	0.95	0.95	0.95	0.95	0.97	0.98	1.00
2	WKNIGHT	0.95	0.95	0.95	0.95	0.97	0.98	1.00
3	WKEND	0.95	0.95	0.95	0.95	0.97	0.98	1.00
SEASONAL PROFILE SEASONS		98 Nucl_14						
SUBPERIODS		8	9	10	11	12		
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
1	WKDAY	1.00	0.98	0.93	0.91	0.91		
2	WKNIGHT	1.00	0.98	0.93	0.91	0.91		
3	WKEND	1.00	0.98	0.93	0.91	0.91		
SEASONAL PROFILE SEASONS		99 Nucl_15						
SUBPERIODS		1	2	3	4	5	6	7
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	0.96	0.96	0.96	0.95	0.97	0.98	1.00
2	WKNIGHT	0.96	0.96	0.96	0.95	0.97	0.98	1.00
3	WKEND	0.96	0.96	0.96	0.95	0.97	0.98	1.00
SEASONAL PROFILE SEASONS		99 Nucl_15						
SUBPERIODS		8	9	10	11	12		
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
1	WKDAY	1.00	0.98	0.98	0.95	0.96		
2	WKNIGHT	1.00	0.98	0.98	0.95	0.96		
3	WKEND	1.00	0.98	0.98	0.95	0.96		
SEASONAL PROFILE SEASONS		100 Nucl_16						
SUBPERIODS		1	2	3	4	5	6	7
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	0.96	0.96	0.96	0.96	0.97	0.98	1.00
2	WKNIGHT	0.96	0.96	0.96	0.96	0.97	0.98	1.00
3	WKEND	0.96	0.96	0.96	0.96	0.97	0.98	1.00
SEASONAL PROFILE SEASONS		100 Nucl_16						
SUBPERIODS		8	9	10	11	12		
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
1	WKDAY	1.00	0.98	0.98	0.96	0.96		
2	WKNIGHT	1.00	0.98	0.98	0.96	0.96		
3	WKEND	1.00	0.98	0.98	0.96	0.96		
SEASONAL PROFILE SEASONS		101 Nucl_17						
SUBPERIODS		1	2	3	4	5	6	7
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	1.00	0.98	0.98	0.96	0.96		
2	WKNIGHT	1.00	0.98	0.98	0.96	0.96		
3	WKEND	1.00	0.98	0.98	0.96	0.96		

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
3	WKEND											
	SEASONAL PROFILE ENTRY	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
	SEASONAL PROFILE SEASONS		101 Nucl_17									
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	0.98	0.95	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	0.98	0.95	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	0.98	0.95	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
	SEASONAL PROFILE SEASONS		102 Nucl_18									
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
3	WKEND											
	SEASONAL PROFILE ENTRY	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
	SEASONAL PROFILE SEASONS		102 Nucl_18									
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	0.98	0.98	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	0.98	0.98	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	0.98	0.98	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS	103 Nuc1_19	1	JANUARY	2	FEBRUARY	3	MARCH	4	APRIL	5	MAY	6	JUNE	7	JULY
SUBPERIODS															
1 WKDAY															
SEASONAL PROFILE ENTRY															
2 WKNIGHT															
SEASONAL PROFILE ENTRY															
3 WKEND															
SEASONAL PROFILE ENTRY															
SEASONAL PROFILE SEASONS	103 Nuc1_19	8	AUGUST	9	SEPTEMBER	10	OCTOBER	11	NOVEMBER	12	DECEMBER				
SUBPERIODS															
1 WKDAY															
SEASONAL PROFILE ENTRY															
2 WKNIGHT															
SEASONAL PROFILE ENTRY															
3 WKEND															
SEASONAL PROFILE ENTRY															
SEASONAL PROFILE SEASONS	104 Nuc1_20	8	AUGUST	9	SEPTEMBER	10	OCTOBER	11	NOVEMBER	12	DECEMBER				
SUBPERIODS															
1 WKDAY															
SEASONAL PROFILE ENTRY															
2 WKNIGHT															
SEASONAL PROFILE ENTRY															
3 WKEND															
SEASONAL PROFILE ENTRY															
SEASONAL PROFILE SEASONS	107 Nuc2_11	1	JANUARY	2	FEBRUARY	3	MARCH	4	APRIL	5	MAY	6	JUNE	7	JULY
SUBPERIODS															
1 WKDAY															
SEASONAL PROFILE ENTRY															
2 WKNIGHT															
SEASONAL PROFILE ENTRY															
3 WKEND															
SEASONAL PROFILE ENTRY															
SEASONAL PROFILE SEASONS	107 Nuc2_11	8	AUGUST	9	SEPTEMBER	10	OCTOBER	11	NOVEMBER	12	DECEMBER				
SUBPERIODS															
1 WKDAY															
SEASONAL PROFILE ENTRY															
2 WKNIGHT															
SEASONAL PROFILE ENTRY															
3 WKEND															
SEASONAL PROFILE ENTRY															
SEASONAL PROFILE SEASONS	108 Nuc2_12	1	JANUARY	2	FEBRUARY	3	MARCH	4	APRIL	5	MAY	6	JUNE	7	JULY
SUBPERIODS															
1 WKDAY															
SEASONAL PROFILE ENTRY															
2 WKNIGHT															
SEASONAL PROFILE ENTRY															
3 WKEND															
SEASONAL PROFILE ENTRY															

4-Company East Optimization

SUBPERIODS													
1 WKDAY													
SEASONAL PROFILE ENTRY		0.99	0.99	0.99	0.99	0.99	0.97	0.98	1.00				
2 WKNIGHT													
SEASONAL PROFILE ENTRY		0.99	0.99	0.99	0.99	0.99	0.97	0.98	1.00				
3 WKEND													
SEASONAL PROFILE ENTRY		0.99	0.99	0.99	0.99	0.99	0.97	0.98	1.00				
SEASONAL PROFILE SEASONS		108 Nuc2_12											
		AUGUST 8 SEPTEMBER 9 OCTOBER 10 NOVEMBER 11 DECEMBER 12											
SUBPERIODS													
1 WKDAY													
SEASONAL PROFILE ENTRY		0.99	0.98	0.96	0.96	0.96	0.96	0.96	0.96				
2 WKNIGHT													
SEASONAL PROFILE ENTRY		0.99	0.98	0.96	0.96	0.96	0.96	0.96	0.96				
3 WKEND													
SEASONAL PROFILE ENTRY		0.99	0.98	0.96	0.96	0.96	0.96	0.96	0.96				
SEASONAL PROFILE SEASONS		109 Nuc2_13											
		JANUARY 1 FEBRUARY 2 MARCH 3 APRIL 4 MAY 5 JUNE 6 JULY 7											
SUBPERIODS													
1 WKDAY													
SEASONAL PROFILE ENTRY		0.96	0.96	0.96	0.96	0.96	0.97	0.98	1.00				
2 WKNIGHT													
SEASONAL PROFILE ENTRY		0.96	0.96	0.96	0.96	0.96	0.97	0.98	1.00				
3 WKEND													
SEASONAL PROFILE ENTRY		0.96	0.96	0.96	0.96	0.96	0.97	0.98	1.00				
SEASONAL PROFILE SEASONS		109 Nuc2_13											
		AUGUST 8 SEPTEMBER 9 OCTOBER 10 NOVEMBER 11 DECEMBER 12											
SUBPERIODS													
1 WKDAY													
SEASONAL PROFILE ENTRY		0.99	0.98	0.96	0.92	0.92	0.92	0.92	0.92				
2 WKNIGHT													
SEASONAL PROFILE ENTRY		0.99	0.98	0.96	0.92	0.92	0.92	0.92	0.92				
3 WKEND													
SEASONAL PROFILE ENTRY		0.99	0.98	0.96	0.92	0.92	0.92	0.92	0.92				

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE		110 Nuc2_14						
SEASONS		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
SUBPERIODS								
1	WKDAY	0.96	0.96	0.96	0.96	0.97	0.98	1.00
SEASONAL PROFILE ENTRY								
2	WKNIGHT	0.96	0.96	0.96	0.96	0.97	0.98	1.00
SEASONAL PROFILE ENTRY								
3	WKEND	0.96	0.96	0.96	0.96	0.97	0.98	1.00
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE		110 Nuc2_14						
SEASONS		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
SUBPERIODS								
1	WKDAY	0.99	0.98	0.96	0.96	0.96	0.96	
SEASONAL PROFILE ENTRY								
2	WKNIGHT	0.99	0.98	0.96	0.96	0.96	0.96	
SEASONAL PROFILE ENTRY								
3	WKEND	0.99	0.98	0.96	0.96	0.96	0.96	
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE		111 Nuc2_15						
SEASONS		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
SUBPERIODS								
1	WKDAY	0.99	0.99	0.99	0.95	0.97	0.98	1.00
SEASONAL PROFILE ENTRY								
2	WKNIGHT	0.99	0.99	0.99	0.95	0.97	0.98	1.00
SEASONAL PROFILE ENTRY								
3	WKEND	0.99	0.99	0.99	0.95	0.97	0.98	1.00
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE		112 Nuc2_16						
SEASONS		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
SUBPERIODS								
1	WKDAY	0.96	0.96	0.96	0.96	0.97	0.98	1.00
SEASONAL PROFILE ENTRY								
2	WKNIGHT	0.96	0.96	0.96	0.96	0.97	0.98	1.00
SEASONAL PROFILE ENTRY								
3	WKEND	0.96	0.96	0.96	0.96	0.97	0.98	1.00
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE		112 Nuc2_16						
SEASONS		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
SUBPERIODS								
1	WKDAY	0.99	0.98	0.97	0.94	0.94		
SEASONAL PROFILE ENTRY								
2	WKNIGHT	0.99	0.98	0.97	0.94	0.94		
SEASONAL PROFILE ENTRY								
3	WKEND	0.99	0.98	0.97	0.94	0.94		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE		113 Nuc2_17						
SEASONS		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
SUBPERIODS								

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.96	0.96	0.96	0.96	0.96	0.97	0.98	1.00			
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.96	0.96	0.96	0.96	0.96	0.97	0.98	1.00			
3	WKEND											
	SEASONAL PROFILE ENTRY	0.96	0.96	0.96	0.96	0.96	0.97	0.98	1.00			
	SEASONAL PROFILE SEASONS	113 Nuc2_17										
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	0.98	0.97	0.96	0.96	0.96					
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	0.98	0.97	0.96	0.96	0.96					
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	0.98	0.97	0.96	0.96	0.96					
	SEASONAL PROFILE SEASONS	114 Nuc2_18										
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.94	0.94	0.94	0.94	0.94	0.97	0.98	1.00			
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.94	0.94	0.94	0.94	0.94	0.97	0.98	1.00			
3	WKEND											
	SEASONAL PROFILE ENTRY	0.94	0.94	0.94	0.94	0.94	0.97	0.98	1.00			
	SEASONAL PROFILE SEASONS	114 Nuc2_18										
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	0.98	0.97	0.96	0.96	0.96					
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	0.98	0.97	0.96	0.96	0.96					
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	0.98	0.97	0.96	0.96	0.96					
	SEASONAL PROFILE SEASONS	114 Nuc2_18										
SUBPERIODS												
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER						
		8	9	10	11	12						
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY				
		1	2	3	4	5	6	7				

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS	115 Nuc2_19	1	2	3	4	5	6	7
SUBPERIODS								
1 WKDAY		0.96	0.96	0.96	0.96	0.97	0.98	1.00
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.96	0.96	0.96	0.96	0.97	0.98	1.00
SEASONAL PROFILE ENTRY								
3 WKEND		0.96	0.96	0.96	0.96	0.97	0.98	1.00
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	115 Nuc2_19	8	9	10	11	12		
SUBPERIODS								
1 WKDAY		1.00	0.98	0.97	0.98	0.98		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	0.98	0.97	0.98	0.98		
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	0.98	0.97	0.98	0.98		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	116 Nuc2_20	8	9	10	11	12		
SUBPERIODS								
1 WKDAY		0.96	0.96	0.96	0.96	0.97	0.98	1.00
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.96	0.96	0.96	0.96	0.97	0.98	1.00
SEASONAL PROFILE ENTRY								
3 WKEND		0.96	0.96	0.96	0.96	0.97	0.98	1.00
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	116 Nuc2_20	8	9	10	11	12		
SUBPERIODS								
1 WKDAY		1.00	0.98	0.97	0.96	0.96		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	0.98	0.97	0.96	0.96		
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	0.98	0.97	0.96	0.96		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	118 Gav12_11	1	2	3	4	5	6	7
SUBPERIODS								
1 WKDAY		0.96	0.98	0.98	0.99	1.00	1.00	1.00
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.96	0.98	0.98	0.99	1.00	1.00	1.00
SEASONAL PROFILE ENTRY								
3 WKEND		0.96	0.98	0.98	0.99	1.00	1.00	1.00
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	118 Gav12_11	8	9	10	11	12		
SUBPERIODS								
1 WKDAY		1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	119 Gav12_12	1	2	3	4	5	6	7
SUBPERIODS								
1 WKDAY		1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE ENTRY								

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.94	0.96	0.97	0.98	0.98	0.99	0.99				
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.94	0.96	0.97	0.98	0.98	0.99	0.99				
3	WKEND											
	SEASONAL PROFILE ENTRY	0.94	0.96	0.97	0.98	0.98	0.99	0.99				
SEASONAL PROFILE SEASONS		119	GAV12_12									
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
SEASONAL PROFILE SEASONS		121	GIN56_11									
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.99	0.99	0.99	0.99	0.99	0.99	0.99				
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.99	0.99	0.99	0.99	0.99	0.99	0.99				
3	WKEND											
	SEASONAL PROFILE ENTRY	0.99	0.99	0.99	0.99	0.99	0.99	0.99				
SEASONAL PROFILE SEASONS		121	GIN56_11									
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00				

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS	122 Gln56_12	1	2	3	4	5	6	7
SUBPERIODS								
1 WKDAY		1.00	0.98	0.97	0.97	0.96	0.95	0.94
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	0.98	0.97	0.97	0.96	0.95	0.94
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	0.98	0.97	0.97	0.96	0.95	0.94
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	122 Gln56_12	8	9	10	11	12		
SUBPERIODS								
1 WKDAY		0.94	0.93	0.93	0.93	0.93		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.94	0.93	0.93	0.93	0.93		
SEASONAL PROFILE ENTRY								
3 WKEND		0.94	0.93	0.93	0.93	0.93		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	124 KMR_11	1	2	3	4	5	6	7
SUBPERIODS								
1 WKDAY		1.00	1.00	1.00	1.00	1.00	0.99	0.98
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	1.00	1.00	1.00	1.00	0.99	0.98
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	1.00	1.00	0.99	0.98
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	124 KMR_11	8	9	10	11	12		
SUBPERIODS								
1 WKDAY		0.95	0.94	0.93	0.92	0.92		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.95	0.94	0.93	0.92	0.92		
SEASONAL PROFILE ENTRY								
3 WKEND		0.95	0.94	0.93	0.92	0.92		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	125 KMR_12	1	2	3	4	5	6	7
SUBPERIODS								
1 WKDAY		1.00	0.97	0.95	0.93	0.92	0.91	0.90
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	0.97	0.95	0.93	0.92	0.91	0.90
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	0.97	0.95	0.93	0.92	0.91	0.90
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	125 KMR_12	8	9	10	11	12		
SUBPERIODS								
1 WKDAY		0.89	0.89	0.89	0.89	0.89		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.89	0.89	0.89	0.89	0.89		
SEASONAL PROFILE ENTRY								
3 WKEND		0.89	0.89	0.89	0.89	0.89		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	127 KMR_11	1	2	3	4	5	6	7
SUBPERIODS								
1 WKDAY		0.89	0.89	0.89	0.89	0.89		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.89	0.89	0.89	0.89	0.89		
SEASONAL PROFILE ENTRY								
3 WKEND		0.89	0.89	0.89	0.89	0.89		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	127 KMR_11	1	2	3	4	5	6	7
SUBPERIODS								
1 WKDAY		0.89	0.89	0.89	0.89	0.89		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.89	0.89	0.89	0.89	0.89		
SEASONAL PROFILE ENTRY								
3 WKEND		0.89	0.89	0.89	0.89	0.89		
SEASONAL PROFILE ENTRY								

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE												
SEASONS												
127 KNWR_11												
	AUGUST	8	SEPTEMBER	9	OCTOBER	10	NOVEMBER	11	DECEMBER	12		
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.98			
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.98			
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.98			
SEASONAL PROFILE												
SEASONS												
128 KNWR_12												
	JANUARY	1	FEBRUARY	2	MARCH	3	APRIL	4	MAY	5	JUNE	6
												7
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	0.96	0.94	0.93	0.92	0.91	0.91	0.91			
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	0.96	0.94	0.93	0.92	0.91	0.91	0.91			
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	0.96	0.94	0.93	0.92	0.91	0.91	0.91			
SEASONAL PROFILE												
SEASONS												
128 KNWR_12												
	AUGUST	8	SEPTEMBER	9	OCTOBER	10	NOVEMBER	11	DECEMBER	12		
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90			
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90			
3	WKEND											
	SEASONAL PROFILE ENTRY	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90			

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS		131 KYGR_11						
SUBPERIODS		1	2	3	4	5	6	7
1 WKDAY		0.96	0.96	0.99	0.96	0.96	0.96	0.99
2 WKNIGHT		0.96	0.96	0.99	0.96	0.96	0.96	0.99
3 WKEND		0.96	0.96	0.99	0.96	0.96	0.96	0.99
SEASONAL PROFILE SEASONS		131 KYGR_11						
SUBPERIODS		8	9	10	11	12		
1 WKDAY		1.00	0.99	0.98	0.98	1.00		
2 WKNIGHT		1.00	0.99	0.98	0.98	1.00		
3 WKEND		1.00	0.99	0.98	0.98	1.00		
SEASONAL PROFILE SEASONS		133 MTCH_11						
SUBPERIODS		1	2	3	4	5	6	7
1 WKDAY		0.96	0.97	0.98	0.99	0.99	1.00	1.00
2 WKNIGHT		0.96	0.97	0.98	0.99	0.99	1.00	1.00
3 WKEND		0.96	0.97	0.98	0.99	0.99	1.00	1.00
SEASONAL PROFILE SEASONS		133 MTCH_11						
SUBPERIODS		8	9	10	11	12		
1 WKDAY		1.00	1.00	1.00	0.99	0.99		
2 WKNIGHT		1.00	1.00	1.00	0.99	0.99		
3 WKEND		1.00	1.00	1.00	0.99	0.99		
SEASONAL PROFILE SEASONS		134 MTCH_12						
SUBPERIODS		1	2	3	4	5	6	7
1 WKDAY		0.96	0.98	0.99	0.99	0.99	0.99	0.99
2 WKNIGHT		0.96	0.98	0.99	0.99	0.99	0.99	0.99
3 WKEND		0.96	0.98	0.99	0.99	0.99	0.99	0.99
SEASONAL PROFILE SEASONS		134 MTCH_12						
SUBPERIODS		8	9	10	11	12		
1 WKDAY		1.00	1.00	1.00	1.00	1.00		
2 WKNIGHT		1.00	1.00	1.00	1.00	1.00		
3 WKEND		1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE SEASONS		136 MNTN_11						
SUBPERIODS		1	2	3	4	5	6	7
1 WKDAY		1.00	1.00	1.00	1.00	1.00	1.00	1.00
2 WKNIGHT		1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 WKEND		1.00	1.00	1.00	1.00	1.00	1.00	1.00

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.99	0.99	0.98	0.97	0.96	0.95				
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.99	0.99	0.98	0.97	0.96	0.95				
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	0.99	0.99	0.98	0.97	0.96	0.95				
SEASONAL PROFILE SEASONS												
		136	WNTNR_11									
			AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12					
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.94	0.92	0.89	0.88	0.87						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.94	0.92	0.89	0.88	0.87						
3	WKEND											
SEASONAL PROFILE ENTRY		0.94	0.92	0.89	0.88	0.87						
SEASONAL PROFILE SEASONS												
		137	WNTNR_12									
			JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7			
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.95	0.95	0.95	0.95	0.95	0.95	0.96			
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.95	0.95	0.95	0.95	0.95	0.95	0.96			
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	0.95	0.95	0.95	0.95	0.95	0.95	0.96			
SEASONAL PROFILE SEASONS												
		137	WNTNR_12									
			AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12					
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.95	0.94	0.92	0.91	0.93						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.95	0.94	0.92	0.91	0.93						
3	WKEND											
SEASONAL PROFILE ENTRY		0.95	0.94	0.92	0.91	0.93						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS	139 MSKR_11	1	2	3	4	5	6	7
SUBPERIODS								
1 WKDAY		0.99	0.99	0.98	0.98	0.98	0.98	0.99
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.99	0.99	0.98	0.98	0.98	0.98	0.99
SEASONAL PROFILE ENTRY								
3 WKEND		0.99	0.99	0.98	0.98	0.98	0.98	0.99
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	139 MSKR_11	8	9	10	11	12		
SUBPERIODS								
1 WKDAY		1.00	0.99	0.98	0.98	0.97		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	0.99	0.98	0.98	0.97		
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	0.99	0.98	0.98	0.97		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	140 MSKR_12	8	9	10	11	12		
SUBPERIODS								
1 WKDAY		0.95	0.95	0.95	0.95	0.94		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.95	0.95	0.95	0.95	0.94		
SEASONAL PROFILE ENTRY								
3 WKEND		0.95	0.95	0.95	0.95	0.94		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	142 MSR_11	1	2	3	4	5	6	7
SUBPERIODS								
1 WKDAY		0.88	0.93	0.96	0.97	0.98	0.98	0.99
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.88	0.93	0.96	0.97	0.98	0.98	0.99
SEASONAL PROFILE ENTRY								
3 WKEND		0.88	0.93	0.96	0.97	0.98	0.98	0.99
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	142 MSR_11	8	9	10	11	12		
SUBPERIODS								
1 WKDAY		0.99	0.99	0.99	1.00	1.00		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.99	0.99	0.99	1.00	1.00		
SEASONAL PROFILE ENTRY								
3 WKEND		0.99	0.99	0.99	1.00	1.00		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	143 MSR_12	1	2	3	4	5	6	7
SUBPERIODS								
1 WKDAY		0.99	0.99	0.99	1.00	1.00		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.99	0.99	0.99	1.00	1.00		
SEASONAL PROFILE ENTRY								
3 WKEND		0.99	0.99	0.99	1.00	1.00		
SEASONAL PROFILE ENTRY								

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.99	0.98	0.97	0.97	0.96	0.96				
2	WKNIIGHT											
SEASONAL PROFILE ENTRY		1.00	0.99	0.98	0.97	0.97	0.96	0.96				
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	0.99	0.98	0.97	0.97	0.96	0.96				
SEASONAL PROFILE SEASONS		143	MRS_12									
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.96	0.96	0.96	0.96	0.96	0.96	0.96				
2	WKNIIGHT											
SEASONAL PROFILE ENTRY		0.96	0.96	0.96	0.96	0.96	0.96	0.96				
3	WKEND											
SEASONAL PROFILE ENTRY		0.96	0.96	0.96	0.96	0.96	0.96	0.96				
SEASONAL PROFILE SEASONS		145	PSPR_11									
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.97	0.98	0.99	0.99	1.00	1.00	1.00				
2	WKNIIGHT											
SEASONAL PROFILE ENTRY		0.97	0.98	0.99	0.99	1.00	1.00	1.00				
3	WKEND											
SEASONAL PROFILE ENTRY		0.97	0.98	0.99	0.99	1.00	1.00	1.00				
SEASONAL PROFILE SEASONS		145	PSPR_11									
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	1.00	0.99	0.98	0.98						
2	WKNIIGHT											
SEASONAL PROFILE ENTRY		1.00	1.00	0.99	0.98	0.98						
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	1.00	0.99	0.98	0.98						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS		146 PSPR_12						
SUBPERIODS		1	2	3	4	5	6	7
1 WKDAY		1.00	0.98	0.97	0.96	0.95	0.95	0.94
2 WKNIGHT		1.00	0.98	0.97	0.96	0.95	0.95	0.94
3 WKEND		1.00	0.98	0.97	0.96	0.95	0.95	0.94
SEASONAL PROFILE SEASONS		146 PSPR_12						
SUBPERIODS		8	9	10	11	12		
1 WKDAY		0.94	0.94	0.94	0.93	0.93		
2 WKNIGHT		0.94	0.94	0.94	0.93	0.93		
3 WKEND		0.94	0.94	0.94	0.93	0.93		
SEASONAL PROFILE SEASONS		147						
SUBPERIODS		1	2	3	4	5	6	7
1 WKDAY		1.00	1.00	1.00	1.00	1.00	1.00	1.00
2 WKNIGHT		1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 WKEND		1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE SEASONS		147						
SUBPERIODS		8	9	10	11	12		
1 WKDAY		1.00	1.00	1.00	1.00	1.00		
2 WKNIGHT		1.00	1.00	1.00	1.00	1.00		
3 WKEND		1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE SEASONS		148 PCWY_11						
SUBPERIODS		1	2	3	4	5	6	7
1 WKDAY		1.00	1.00	1.00	1.00	1.00	1.00	1.00
2 WKNIGHT		1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 WKEND		1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE SEASONS		148 PCWY_11						
SUBPERIODS		8	9	10	11	12		
1 WKDAY		0.97	0.96	0.96	0.96	0.95		
2 WKNIGHT		0.97	0.96	0.96	0.96	0.95		
3 WKEND		0.97	0.96	0.96	0.96	0.95		
SEASONAL PROFILE SEASONS		149 PCWY_12						
SUBPERIODS		1	2	3	4	5	6	7
1 WKDAY		0.97	0.96	0.96	0.96	0.95		
2 WKNIGHT		0.97	0.96	0.96	0.96	0.95		
3 WKEND		0.97	0.96	0.96	0.96	0.95		

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.97	0.93		
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.97	0.93		
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.97	0.93		
	SEASONAL PROFILE SEASONS	149	PCWY_12									
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.90	0.90	0.89	0.89	0.89	0.89	0.89				
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.90	0.90	0.89	0.89	0.89	0.89	0.89				
3	WKEND											
	SEASONAL PROFILE ENTRY	0.90	0.90	0.89	0.89	0.89	0.89	0.89				
	SEASONAL PROFILE SEASONS	151	ROCK_11									
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99	
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99	
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99	
	SEASONAL PROFILE SEASONS	151	ROCK_11									
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.99	0.98	0.97	0.97	0.97	0.98					
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.99	0.98	0.97	0.97	0.97	0.98					
3	WKEND											
	SEASONAL PROFILE ENTRY	0.99	0.98	0.97	0.97	0.97	0.98					

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS	152 ROCK_12	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		1.00	0.99	0.99	0.98	0.97	0.96	0.95
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	0.99	0.99	0.98	0.97	0.96	0.95
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	0.99	0.99	0.98	0.97	0.96	0.95
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	152 ROCK_12	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY		0.94	0.94	0.94	0.93	0.94		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.94	0.94	0.94	0.93	0.94		
SEASONAL PROFILE ENTRY								
3 WKEND		0.94	0.94	0.94	0.93	0.94		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	154 STRT_11	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		0.93	0.95	0.96	0.97	0.98	0.98	0.99
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.93	0.95	0.96	0.97	0.98	0.98	0.99
SEASONAL PROFILE ENTRY								
3 WKEND		0.93	0.95	0.96	0.97	0.98	0.98	0.99
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	154 STRT_11	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY		0.99	1.00	1.00	1.00	1.00		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.99	1.00	1.00	1.00	1.00		
SEASONAL PROFILE ENTRY								
3 WKEND		0.99	1.00	1.00	1.00	1.00		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	155 STRT_12	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		1.00	0.99	0.98	0.98	0.97	0.97	0.96
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	0.99	0.98	0.98	0.97	0.97	0.96
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	0.99	0.98	0.98	0.97	0.97	0.96
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	155 STRT_12	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY		0.96	0.96	0.96	0.96	0.96		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.96	0.96	0.96	0.96	0.96		
SEASONAL PROFILE ENTRY								
3 WKEND		0.96	0.96	0.96	0.96	0.96		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	157 TC123_11	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY								
SEASONAL PROFILE ENTRY								
2 WKNIGHT								
SEASONAL PROFILE ENTRY								
3 WKEND								
SEASONAL PROFILE ENTRY								

SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
3	WKEND											
SEASONAL PROFILE ENTRY		0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
SEASONAL PROFILE SEASONS		157	TC123_11									
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99
SEASONAL PROFILE SEASONS		158	TC123_12									
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
3	WKEND											
SEASONAL PROFILE ENTRY		0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
SEASONAL PROFILE SEASONS		158	TC123_12									
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.99	1.00	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.99	1.00	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
3	WKEND											
SEASONAL PROFILE ENTRY		0.99	1.00	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS		160 TC4_11						
SUBPERIODS		1	2	3	4	5	6	7
1	2	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
WKDAY	WKDAY	1.00	1.00	1.00	1.00	0.95	0.91	0.88
WKKNIGHT	WKKNIGHT	1.00	1.00	1.00	1.00	0.95	0.91	0.88
WKEND	WKEND	1.00	1.00	1.00	1.00	0.95	0.91	0.88
SEASONAL PROFILE SEASONS		160 TC4_11						
SUBPERIODS		8	9	10	11	12		
	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER			
1	WKDAY	0.87	0.85	0.85	0.85	0.84		
2	WKKNIGHT	0.87	0.85	0.85	0.85	0.84		
3	WKEND	0.87	0.85	0.85	0.85	0.84		
SEASONAL PROFILE SEASONS		161 TC4_12						
SUBPERIODS		1	2	3	4	5	6	7
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	
1	WKDAY	1.00	0.99	0.99	0.98	0.97	0.97	0.97
2	WKKNIGHT	1.00	0.99	0.99	0.98	0.97	0.97	0.97
3	WKEND	1.00	0.99	0.99	0.98	0.97	0.97	0.97
SEASONAL PROFILE SEASONS		161 TC4_12						
SUBPERIODS		8	9	10	11	12		
	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER			
1	WKDAY	0.96	0.96	0.96	0.96	0.97		
2	WKKNIGHT	0.96	0.96	0.96	0.96	0.97		
3	WKEND	0.96	0.96	0.96	0.96	0.97		
SEASONAL PROFILE SEASONS		163 ZMR_11						
SUBPERIODS		1	2	3	4	5	6	7
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	
1	WKDAY	0.89	0.92	0.94	0.95	0.96	0.97	0.98
2	WKKNIGHT	0.89	0.92	0.94	0.95	0.96	0.97	0.98
3	WKEND	0.89	0.92	0.94	0.95	0.96	0.97	0.98
SEASONAL PROFILE SEASONS		163 ZMR_11						
SUBPERIODS		8	9	10	11	12		
	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER			
1	WKDAY	0.98	0.99	0.99	1.00	1.00		
2	WKKNIGHT	0.98	0.99	0.99	1.00	1.00		
3	WKEND	0.98	0.99	0.99	1.00	1.00		
SEASONAL PROFILE SEASONS		164 ZMR_12						
SUBPERIODS		1	2	3	4	5	6	7
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	
1	WKDAY	0.98	0.99	0.99	1.00	1.00		
2	WKKNIGHT	0.98	0.99	0.99	1.00	1.00		
3	WKEND	0.98	0.99	0.99	1.00	1.00		

SUBPERIODS		164 ZWR_12													
		AUGUST 8		SEPTEMBER 9		OCTOBER 10		NOVEMBER 11		DECEMBER 12					
1	WKDAY	1.00	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98		
SEASONAL PROFILE ENTRY															
2	WKNIIGHT	1.00	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98		
SEASONAL PROFILE ENTRY															
3	WKEND	1.00	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98		
SEASONAL PROFILE ENTRY															
SEASONAL PROFILE SEASONS		166 CER_11													
		JANUARY 1		FEBRUARY 2		MARCH 3		APRIL 4		MAY 5		JUNE 6		JULY 7	
1	WKDAY	0.99	0.99	0.97	0.89	0.88	0.89	0.88	0.89	0.88	0.89	0.90	0.90	0.90	0.90
SEASONAL PROFILE ENTRY															
2	WKNIIGHT	0.99	0.99	0.97	0.89	0.88	0.89	0.88	0.89	0.88	0.89	0.90	0.90	0.90	0.90
SEASONAL PROFILE ENTRY															
3	WKEND	0.99	0.99	0.97	0.89	0.88	0.89	0.88	0.89	0.88	0.89	0.90	0.90	0.90	0.90
SEASONAL PROFILE ENTRY															
SEASONAL PROFILE SEASONS		166 CER_11													
		AUGUST 8		SEPTEMBER 9		OCTOBER 10		NOVEMBER 11		DECEMBER 12					
1	WKDAY	0.91	0.91	0.93	0.96	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY															
2	WKNIIGHT	0.91	0.91	0.93	0.96	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY															
3	WKEND	0.91	0.91	0.93	0.96	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY															

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.PARAMETERS.

SEASONAL PROFILE		168 DARB_11						
SEASONS		1	2	3	4	5	6	7
SUBPERIODS		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	0.97	0.97	0.95	0.89	0.88	0.90	0.91
2	WKNIGHT	0.97	0.97	0.95	0.89	0.88	0.90	0.91
3	WKEND	0.97	0.97	0.95	0.89	0.88	0.90	0.91
SEASONAL PROFILE		168 DARB_11						
SEASONS		8	9	10	11	12		
SUBPERIODS		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
1	WKDAY	0.92	0.92	0.93	0.96	1.00		
2	WKNIGHT	0.92	0.92	0.93	0.96	1.00		
3	WKEND	0.92	0.92	0.93	0.96	1.00		
SEASONAL PROFILE		170 WATR_11						
SEASONS		1	2	3	4	5	6	7
SUBPERIODS		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	0.95	0.95	0.92	0.78	0.78	0.79	0.79
2	WKNIGHT	0.95	0.95	0.92	0.78	0.78	0.79	0.79
3	WKEND	0.95	0.95	0.92	0.78	0.78	0.79	0.79
SEASONAL PROFILE		170 WATR_11						
SEASONS		8	9	10	11	12		
SUBPERIODS		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
1	WKDAY	0.80	0.81	0.82	0.97	1.00		
2	WKNIGHT	0.80	0.81	0.82	0.97	1.00		
3	WKEND	0.80	0.81	0.82	0.97	1.00		
SEASONAL PROFILE		171 CDW_12						
SEASONS		1	2	3	4	5	6	7
SUBPERIODS		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	1.00	1.00	0.97	0.87	0.86	0.87	0.88
2	WKNIGHT	1.00	1.00	0.97	0.87	0.86	0.87	0.88
3	WKEND	1.00	1.00	0.97	0.87	0.86	0.87	0.88
SEASONAL PROFILE		171 CDW_12						
SEASONS		8	9	10	11	12		
SUBPERIODS		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
1	WKDAY	0.89	0.90	0.91	0.95	0.99		
2	WKNIGHT	0.89	0.90	0.91	0.95	0.99		
3	WKEND	0.89	0.90	0.91	0.95	0.99		
SEASONAL PROFILE		172 CDW_13						
SEASONS		1	2	3	4	5	6	7
SUBPERIODS		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY

4-Company Fast Optimization

SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.86	0.85	0.83	0.80	0.80	0.83	0.86				
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.86	0.85	0.83	0.80	0.80	0.83	0.86				
3	WKEND											
	SEASONAL PROFILE ENTRY	0.86	0.85	0.83	0.80	0.80	0.83	0.86				
SEASONAL PROFILE SEASONS		172 CDW_13										
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.87	0.88	0.90	0.97	1.00						
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.87	0.88	0.90	0.97	1.00						
3	WKEND											
	SEASONAL PROFILE ENTRY	0.87	0.88	0.90	0.97	1.00						
SEASONAL PROFILE SEASONS		173 CDW_14										
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	0.98	0.93	0.88	0.87	0.88	0.89				
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	0.98	0.93	0.88	0.87	0.88	0.89				
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	0.98	0.93	0.88	0.87	0.88	0.89				
SEASONAL PROFILE SEASONS		173 CDW_14										
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.89	0.88	0.89	0.94	0.98						
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.89	0.88	0.89	0.94	0.98						
3	WKEND											
	SEASONAL PROFILE ENTRY	0.89	0.88	0.89	0.94	0.98						

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS		174 CDW_15						
SUBPERIODS		1	2	3	4	5	6	7
1 WKDAY		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
2 WKNIGHT		1.00	0.98	0.93	0.88	0.86	0.88	0.89
3 WKEND		1.00	0.98	0.93	0.88	0.86	0.88	0.89
SEASONAL PROFILE SEASONS		174 CDW_15						
SUBPERIODS		8	9	10	11	12		
1 WKDAY		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
2 WKNIGHT		0.89	0.88	0.89	0.94	0.98		
3 WKEND		0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE SEASONS		175 CDW_16						
SUBPERIODS		1	2	3	4	5	6	7
1 WKDAY		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
2 WKNIGHT		1.00	0.98	0.93	0.88	0.86	0.88	0.89
3 WKEND		1.00	0.98	0.93	0.88	0.86	0.88	0.89
SEASONAL PROFILE SEASONS		175 CDW_16						
SUBPERIODS		8	9	10	11	12		
1 WKDAY		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
2 WKNIGHT		0.89	0.88	0.89	0.94	0.98		
3 WKEND		0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE SEASONS		176 CDW_17						
SUBPERIODS		1	2	3	4	5	6	7
1 WKDAY		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
2 WKNIGHT		1.00	0.98	0.93	0.88	0.86	0.88	0.89
3 WKEND		1.00	0.98	0.93	0.88	0.86	0.88	0.89
SEASONAL PROFILE SEASONS		176 CDW_17						
SUBPERIODS		8	9	10	11	12		
1 WKDAY		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
2 WKNIGHT		0.89	0.88	0.89	0.94	0.98		
3 WKEND		0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE SEASONS		177 CDW_18						
SUBPERIODS		1	2	3	4	5	6	7
1 WKDAY		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
2 WKNIGHT		0.89	0.88	0.89	0.94	0.98		
3 WKEND		0.89	0.88	0.89	0.94	0.98		

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.98	0.93	0.88	0.86	0.87	0.89				
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.98	0.93	0.88	0.86	0.87	0.89				
3	Wkend											
SEASONAL PROFILE ENTRY		1.00	0.98	0.93	0.88	0.86	0.87	0.89				
SEASONAL PROFILE												
177 CDW_18												
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.89	0.88	0.89	0.94	0.98						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.89	0.88	0.89	0.94	0.98						
3	Wkend											
SEASONAL PROFILE ENTRY		0.89	0.88	0.89	0.94	0.98						
SEASONAL PROFILE												
178 DRES_09												
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.85	0.85	0.85	0.83	0.84	0.85	0.87				
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.85	0.85	0.85	0.83	0.84	0.85	0.87				
3	Wkend											
SEASONAL PROFILE ENTRY		0.85	0.85	0.85	0.83	0.84	0.85	0.87				
SEASONAL PROFILE												
178 DRES_09												
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.88	0.88	0.90	0.95	1.00						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.88	0.88	0.90	0.95	1.00						
3	Wkend											
SEASONAL PROFILE ENTRY		0.88	0.88	0.90	0.95	1.00						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS	179 DRES_13	1	2	3	4	5	6	7
SUBPERIODS								
1 WKDAY	0.87	0.87	0.82	0.78	0.78	0.81	0.81	0.84
2 WKNIGHT	0.87	0.87	0.82	0.78	0.78	0.81	0.81	0.84
3 WKEND	0.87	0.87	0.82	0.78	0.78	0.81	0.81	0.84
SEASONAL PROFILE SEASONS	179 DRES_13	8	9	10	11	12		
SUBPERIODS								
1 WKDAY	0.85	0.85	0.88	0.97	1.00			
2 WKNIGHT	0.85	0.85	0.88	0.97	1.00			
3 WKEND	0.85	0.85	0.88	0.97	1.00			
SEASONAL PROFILE SEASONS	180 DRES_14	1	2	3	4	5	6	7
SUBPERIODS								
1 WKDAY	1.00	0.98	0.90	0.85	0.83	0.85	0.85	0.86
2 WKNIGHT	1.00	0.98	0.90	0.85	0.83	0.85	0.85	0.86
3 WKEND	1.00	0.98	0.90	0.85	0.83	0.85	0.85	0.86
SEASONAL PROFILE SEASONS	180 DRES_14	8	9	10	11	12		
SUBPERIODS								
1 WKDAY	0.86	0.85	0.86	0.93	0.96			
2 WKNIGHT	0.86	0.85	0.86	0.93	0.96			
3 WKEND	0.86	0.85	0.86	0.93	0.96			
SEASONAL PROFILE SEASONS	181 DRES_15	1	2	3	4	5	6	7
SUBPERIODS								
1 WKDAY	1.00	0.98	0.90	0.85	0.83	0.85	0.85	0.86
2 WKNIGHT	1.00	0.98	0.90	0.85	0.83	0.85	0.85	0.86
3 WKEND	1.00	0.98	0.90	0.85	0.83	0.85	0.85	0.86
SEASONAL PROFILE SEASONS	181 DRES_15	8	9	10	11	12		
SUBPERIODS								
1 WKDAY	0.86	0.85	0.86	0.93	0.96			
2 WKNIGHT	0.86	0.85	0.86	0.93	0.96			
3 WKEND	0.86	0.85	0.86	0.93	0.96			
SEASONAL PROFILE SEASONS	182 DRES_16	1	2	3	4	5	6	7
SUBPERIODS								
1 WKDAY	0.86	0.85	0.86	0.93	0.96			
2 WKNIGHT	0.86	0.85	0.86	0.93	0.96			
3 WKEND	0.86	0.85	0.86	0.93	0.96			

4-Company Past Optimization

SUBPERIODS																					
1	WKDAY																				
SEASONAL PROFILE ENTRY		1.00	0.98	0.90	0.85	0.83	0.85	0.86	0.85	0.86	0.85	0.86	0.85	0.86	0.85	0.86	0.85	0.86	0.85	0.86	0.85
2	WKNIGHT																				
SEASONAL PROFILE ENTRY		1.00	0.98	0.90	0.85	0.83	0.85	0.86	0.85	0.86	0.85	0.86	0.85	0.86	0.85	0.86	0.85	0.86	0.85	0.86	0.85
3	WKEND																				
SEASONAL PROFILE ENTRY		1.00	0.98	0.90	0.85	0.83	0.85	0.86	0.85	0.86	0.85	0.86	0.85	0.86	0.85	0.86	0.85	0.86	0.85	0.86	0.85
SEASONAL PROFILE		182 DRES_16																			
SEASONS		AUGUST	8	SEPTEMBER	9	OCTOBER	10	NOVEMBER	11	DECEMBER	12										
SUBPERIODS																					
1	WKDAY																				
SEASONAL PROFILE ENTRY		0.86	0.85	0.86	0.93	0.96															
2	WKNIGHT																				
SEASONAL PROFILE ENTRY		0.86	0.85	0.86	0.93	0.96															
3	WKEND																				
SEASONAL PROFILE ENTRY		0.86	0.85	0.86	0.93	0.96															
SEASONAL PROFILE		183 DRES_17																			
SEASONS		AUGUST	8	SEPTEMBER	9	OCTOBER	10	NOVEMBER	11	DECEMBER	12										
SUBPERIODS																					
1	WKDAY																				
SEASONAL PROFILE ENTRY		0.86	0.85	0.86	0.93	0.96															
2	WKNIGHT																				
SEASONAL PROFILE ENTRY		0.86	0.85	0.86	0.93	0.96															
3	WKEND																				
SEASONAL PROFILE ENTRY		0.86	0.85	0.86	0.93	0.96															

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS	184 DRES_18	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY	1.00	0.98	0.90	0.85	0.83	0.85	0.86	
2 WKNIGHT	1.00	0.98	0.90	0.85	0.83	0.85	0.86	
3 WKEND	1.00	0.98	0.90	0.85	0.83	0.85	0.86	
SEASONAL PROFILE SEASONS	184 DRES_18	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY	0.86	0.85	0.86	0.93	0.96			
2 WKNIGHT	0.86	0.85	0.86	0.93	0.96			
3 WKEND	0.86	0.85	0.86	0.93	0.96			
SEASONAL PROFILE SEASONS	185 DRES_161	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY	1.00	0.98	0.90	0.85	0.83	0.85	0.86	
2 WKNIGHT	1.00	0.98	0.90	0.85	0.83	0.85	0.86	
3 WKEND	1.00	0.98	0.90	0.85	0.83	0.85	0.86	
SEASONAL PROFILE SEASONS	185 DRES_161	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY	0.86	0.85	0.86	0.93	0.96			
2 WKNIGHT	0.86	0.85	0.86	0.93	0.96			
3 WKEND	0.86	0.85	0.86	0.93	0.96			
SEASONAL PROFILE SEASONS	186 DRES_20	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY	1.00	0.98	0.90	0.85	0.84	0.85	0.86	
2 WKNIGHT	1.00	0.98	0.90	0.85	0.84	0.85	0.86	
3 WKEND	1.00	0.98	0.90	0.85	0.84	0.85	0.86	
SEASONAL PROFILE SEASONS	186 DRES_20	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY	0.86	0.85	0.87	0.93	0.96			
2 WKNIGHT	0.86	0.85	0.87	0.93	0.96			
3 WKEND	0.86	0.85	0.87	0.93	0.96			
SEASONAL PROFILE SEASONS	187 DRES_18	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY	0.86	0.85	0.87	0.93	0.96			
2 WKNIGHT	0.86	0.85	0.87	0.93	0.96			
3 WKEND	0.86	0.85	0.87	0.93	0.96			
SEASONAL PROFILE SEASONS	187 DRES_18	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY	0.86	0.85	0.87	0.93	0.96			
2 WKNIGHT	0.86	0.85	0.87	0.93	0.96			
3 WKEND	0.86	0.85	0.87	0.93	0.96			

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.98	0.91	0.87	0.85	0.86	0.88				
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.98	0.91	0.87	0.85	0.86	0.88				
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	0.98	0.91	0.87	0.85	0.86	0.88				
SEASONAL PROFILE SEASONS		187 DRES_18										
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER						
		8	9	10	11	12						
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.88	0.87	0.88	0.94	0.97						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.88	0.87	0.88	0.94	0.97						
3	WKEND											
SEASONAL PROFILE ENTRY		0.88	0.87	0.88	0.94	0.97						
SEASONAL PROFILE SEASONS		188 DRES_19										
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY				
		1	2	3	4	5	6	7				
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.99	0.91	0.87	0.85	0.86	0.88				
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.99	0.91	0.87	0.85	0.86	0.88				
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	0.99	0.91	0.87	0.85	0.86	0.88				
SEASONAL PROFILE SEASONS		188 DRES_19										
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER						
		8	9	10	11	12						
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.88	0.87	0.88	0.94	0.97						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.88	0.87	0.88	0.94	0.97						
3	WKEND											
SEASONAL PROFILE ENTRY		0.88	0.87	0.88	0.94	0.97						

APP EAST
GENERATION AND FUEL MODULE
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QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS		189 DRES_20						
SUBPERIODS		JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
1	WKDAY	1.00	0.99	0.91	0.87	0.85	0.86	0.88
2	WKNIGHT	1.00	0.99	0.91	0.87	0.85	0.86	0.88
3	WKEND	1.00	0.99	0.91	0.87	0.85	0.86	0.88
SEASONAL PROFILE SEASONS		189 DRES_20						
SUBPERIODS		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
1	WKDAY	0.88	0.87	0.88	0.94	0.97		
2	WKNIGHT	0.88	0.87	0.88	0.94	0.97		
3	WKEND	0.88	0.87	0.88	0.94	0.97		
SEASONAL PROFILE SEASONS		191 LMRG_11						
SUBPERIODS		JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
1	WKDAY	0.99	0.99	0.96	0.85	0.84	0.85	0.86
2	WKNIGHT	0.99	0.99	0.96	0.85	0.84	0.85	0.86
3	WKEND	0.99	0.99	0.96	0.85	0.84	0.85	0.86
SEASONAL PROFILE SEASONS		191 LMRG_11						
SUBPERIODS		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
1	WKDAY	0.87	0.87	0.88	0.97	1.00		
2	WKNIGHT	0.87	0.87	0.88	0.97	1.00		
3	WKEND	0.87	0.87	0.88	0.97	1.00		
SEASONAL PROFILE SEASONS		192 LMRG_12						
SUBPERIODS		JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
1	WKDAY	1.00	1.00	0.97	0.84	0.84	0.85	0.86
2	WKNIGHT	1.00	1.00	0.97	0.84	0.84	0.85	0.86
3	WKEND	1.00	1.00	0.97	0.84	0.84	0.85	0.86
SEASONAL PROFILE SEASONS		192 LMRG_12						
SUBPERIODS		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
1	WKDAY	0.86	0.87	0.88	0.95	0.99		
2	WKNIGHT	0.86	0.87	0.88	0.95	0.99		
3	WKEND	0.86	0.87	0.88	0.95	0.99		
SEASONAL PROFILE SEASONS		193 LMRG_13						
SUBPERIODS		JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
1	WKDAY	0.86	0.87	0.88	0.95	0.99		
2	WKNIGHT	0.86	0.87	0.88	0.95	0.99		
3	WKEND	0.86	0.87	0.88	0.95	0.99		

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.85	0.85	0.83	0.80	0.80	0.82	0.86				
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.85	0.85	0.83	0.80	0.80	0.82	0.86				
3	WKEND											
	SEASONAL PROFILE ENTRY	0.85	0.85	0.83	0.80	0.80	0.82	0.86				
SEASONAL PROFILE SEASONS		193 IMRG_13										
SUBPERIODS		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER						
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.87	0.87	0.90	0.97	1.00						
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.87	0.87	0.90	0.97	1.00						
3	WKEND											
	SEASONAL PROFILE ENTRY	0.87	0.87	0.90	0.97	1.00						
SEASONAL PROFILE SEASONS		194 IMRG_14										
SUBPERIODS		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY				
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	0.98	0.93	0.88	0.86	0.87	0.89				
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	0.98	0.93	0.88	0.86	0.87	0.89				
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	0.98	0.93	0.88	0.86	0.87	0.89				
SEASONAL PROFILE SEASONS		194 IMRG_14										
SUBPERIODS		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER						
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.89	0.88	0.89	0.94	0.98						
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.89	0.88	0.89	0.94	0.98						
3	WKEND											
	SEASONAL PROFILE ENTRY	0.89	0.88	0.89	0.94	0.98						

APP EAST
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QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE		195 LMRG_15						
SEASONS		1	2	3	4	5	6	7
SUBPERIODS		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	1.00	0.98	0.93	0.88	0.86	0.87	0.89
2	WKNIGHT	1.00	0.98	0.93	0.88	0.86	0.87	0.89
3	WKEND	1.00	0.98	0.93	0.88	0.86	0.87	0.89
SEASONAL PROFILE		195 LMRG_15						
SEASONS		8	9	10	11	12		
SUBPERIODS		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
1	WKDAY	0.89	0.88	0.89	0.94	0.98		
2	WKNIGHT	0.89	0.88	0.89	0.94	0.98		
3	WKEND	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE		196 LMRG_16						
SEASONS		1	2	3	4	5	6	7
SUBPERIODS		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	1.00	0.98	0.93	0.88	0.86	0.87	0.89
2	WKNIGHT	1.00	0.98	0.93	0.88	0.86	0.87	0.89
3	WKEND	1.00	0.98	0.93	0.88	0.86	0.87	0.89
SEASONAL PROFILE		196 LMRG_16						
SEASONS		8	9	10	11	12		
SUBPERIODS		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
1	WKDAY	0.89	0.88	0.89	0.94	0.98		
2	WKNIGHT	0.89	0.88	0.89	0.94	0.98		
3	WKEND	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE		197 LMRG_17						
SEASONS		1	2	3	4	5	6	7
SUBPERIODS		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	1.00	0.98	0.93	0.88	0.86	0.87	0.89
2	WKNIGHT	1.00	0.98	0.93	0.88	0.86	0.87	0.89
3	WKEND	1.00	0.98	0.93	0.88	0.86	0.87	0.89
SEASONAL PROFILE		197 LMRG_17						
SEASONS		8	9	10	11	12		
SUBPERIODS		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
1	WKDAY	0.89	0.88	0.89	0.94	0.98		
2	WKNIGHT	0.89	0.88	0.89	0.94	0.98		
3	WKEND	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE		198 LMRG_18						
SEASONS		1	2	3	4	5	6	7
SUBPERIODS		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	0.89	0.88	0.89	0.94	0.98		
2	WKNIGHT	0.89	0.88	0.89	0.94	0.98		
3	WKEND	0.89	0.88	0.89	0.94	0.98		

SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	0.98	0.93	0.88	0.86	0.87	0.89				
2	WKNIIGHT											
	SEASONAL PROFILE ENTRY	1.00	0.98	0.93	0.88	0.86	0.87	0.89				
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	0.98	0.93	0.88	0.86	0.87	0.89				
SEASONAL PROFILE												
SEASONS												
198 IMRG_18												
	AUGUST	8	SEPTEMBER	9	OCTOBER	10	NOVEMBER	11	DECEMBER	12		
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.89	0.88	0.89	0.94	0.98						
2	WKNIIGHT											
	SEASONAL PROFILE ENTRY	0.89	0.88	0.89	0.94	0.98						
3	WKEND											
	SEASONAL PROFILE ENTRY	0.89	0.88	0.89	0.94	0.98						
SEASONAL PROFILE												
SEASONS												
199 IMRG_19												
	JANUARY	1	FEBRUARY	2	MARCH	3	APRIL	4	MAY	5	JUNE	6
	JULY	7										
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	0.98	0.93	0.88	0.86	0.87	0.89				
2	WKNIIGHT											
	SEASONAL PROFILE ENTRY	1.00	0.98	0.93	0.88	0.86	0.87	0.89				
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	0.98	0.93	0.88	0.86	0.87	0.89				
SEASONAL PROFILE												
SEASONS												
199 IMRG_19												
	AUGUST	8	SEPTEMBER	9	OCTOBER	10	NOVEMBER	11	DECEMBER	12		
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.89	0.88	0.89	0.94	0.98						
2	WKNIIGHT											
	SEASONAL PROFILE ENTRY	0.89	0.88	0.89	0.94	0.98						
3	WKEND											
	SEASONAL PROFILE ENTRY	0.89	0.88	0.89	0.94	0.98						

APP EAST
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QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS		200 IMRG_20						
SUBPERIODS		JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
1	WKDAY	1.00	0.98	0.93	0.88	0.86	0.87	0.89
2	WKNIGHT	1.00	0.98	0.93	0.88	0.86	0.87	0.89
3	WKEND	1.00	0.98	0.93	0.88	0.86	0.87	0.89
SEASONAL PROFILE SEASONS		200 IMRG_20						
SUBPERIODS		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
1	WKDAY	0.89	0.88	0.89	0.94	0.98		
2	WKNIGHT	0.89	0.88	0.89	0.94	0.98		
3	WKEND	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE SEASONS		201 IMRG_21						
SUBPERIODS		JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
1	WKDAY	1.00	0.98	0.93	0.89	0.88	0.89	0.90
2	WKNIGHT	1.00	0.98	0.93	0.89	0.88	0.89	0.90
3	WKEND	1.00	0.98	0.93	0.89	0.88	0.89	0.90
SEASONAL PROFILE SEASONS		201 IMRG_21						
SUBPERIODS		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
1	WKDAY	0.90	0.89	0.90	0.95	0.98		
2	WKNIGHT	0.90	0.89	0.90	0.95	0.98		
3	WKEND	0.90	0.89	0.90	0.95	0.98		
SEASONAL PROFILE SEASONS		203 RMONE_11						
SUBPERIODS		JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
1	WKDAY	0.99	0.99	0.96	0.89	0.88	0.89	0.90
2	WKNIGHT	0.99	0.99	0.96	0.89	0.88	0.89	0.90
3	WKEND	0.99	0.99	0.96	0.89	0.88	0.89	0.90
SEASONAL PROFILE SEASONS		203 RMONE_11						
SUBPERIODS		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
1	WKDAY	0.91	0.91	0.93	0.96	1.00		
2	WKNIGHT	0.91	0.91	0.93	0.96	1.00		
3	WKEND	0.91	0.91	0.93	0.96	1.00		
SEASONAL PROFILE SEASONS		204 RMONE_12						
SUBPERIODS		JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
1	WKDAY	0.91	0.91	0.93	0.96	1.00		
2	WKNIGHT	0.91	0.91	0.93	0.96	1.00		
3	WKEND	0.91	0.91	0.93	0.96	1.00		

4-Company East Optimization

SUBPERIODS		204 RMONE_12						
		8	9	10	11	12		
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
1	WKDAY	1.00	1.00	0.97	0.89	0.88	0.89	0.90
SEASONAL PROFILE ENTRY								
2	WKNIGHT	1.00	1.00	0.97	0.89	0.88	0.89	0.90
SEASONAL PROFILE ENTRY								
3	WKEND	1.00	1.00	0.97	0.89	0.88	0.89	0.90
SEASONAL PROFILE ENTRY								
SUBPERIODS		205 RMONE_13						
		1	2	3	4	5	6	7
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	0.85	0.85	0.83	0.80	0.80	0.82	0.86
SEASONAL PROFILE ENTRY								
2	WKNIGHT	0.85	0.85	0.83	0.80	0.80	0.82	0.86
SEASONAL PROFILE ENTRY								
3	WKEND	0.85	0.85	0.83	0.80	0.80	0.82	0.86
SEASONAL PROFILE ENTRY								
SUBPERIODS		205 RMONE_13						
		8	9	10	11	12		
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
1	WKDAY	0.87	0.87	0.90	0.97	1.00		
SEASONAL PROFILE ENTRY								
2	WKNIGHT	0.87	0.87	0.90	0.97	1.00		
SEASONAL PROFILE ENTRY								
3	WKEND	0.87	0.87	0.90	0.97	1.00		
SEASONAL PROFILE ENTRY								

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAR.INPUT.PARAMETERS.

SEASONAL PROFILE		206 RMONE_14						
SEASONS		1	2	3	4	5	6	7
SUBPERIODS		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	1.00	0.98	0.93	0.88	0.86	0.87	0.89
2	WKNIGHT	1.00	0.98	0.93	0.88	0.86	0.87	0.89
3	WKEND	1.00	0.98	0.93	0.88	0.86	0.87	0.89
SEASONAL PROFILE		206 RMONE_14						
SEASONS		8	9	10	11	12		
SUBPERIODS		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
1	WKDAY	0.89	0.88	0.89	0.94	0.98		
2	WKNIGHT	0.89	0.88	0.89	0.94	0.98		
3	WKEND	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE		207 RMONE_15						
SEASONS		1	2	3	4	5	6	7
SUBPERIODS		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	1.00	0.98	0.93	0.88	0.86	0.87	0.89
2	WKNIGHT	1.00	0.98	0.93	0.88	0.86	0.87	0.89
3	WKEND	1.00	0.98	0.93	0.88	0.86	0.87	0.89
SEASONAL PROFILE		208 RMONE_16						
SEASONS		1	2	3	4	5	6	7
SUBPERIODS		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	1.00	0.98	0.93	0.88	0.86	0.87	0.89
2	WKNIGHT	1.00	0.98	0.93	0.88	0.86	0.87	0.89
3	WKEND	1.00	0.98	0.93	0.88	0.86	0.87	0.89
SEASONAL PROFILE		208 RMONE_16						
SEASONS		8	9	10	11	12		
SUBPERIODS		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
1	WKDAY	0.89	0.88	0.89	0.94	0.98		
2	WKNIGHT	0.89	0.88	0.89	0.94	0.98		
3	WKEND	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE		209 RMONE_17						
SEASONS		1	2	3	4	5	6	7
SUBPERIODS		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	0.89	0.88	0.89	0.94	0.98		
2	WKNIGHT	0.89	0.88	0.89	0.94	0.98		
3	WKEND	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE		209 RMONE_17						
SEASONS		1	2	3	4	5	6	7
SUBPERIODS		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	0.89	0.88	0.89	0.94	0.98		
2	WKNIGHT	0.89	0.88	0.89	0.94	0.98		
3	WKEND	0.89	0.88	0.89	0.94	0.98		

4-Company East Optimization

SUBPERIODS												
1	WKDAY	SEASONAL PROFILE ENTRY	1.00	0.98	0.93	0.88	0.86	0.87	0.89			
2	WKNIGHT	SEASONAL PROFILE ENTRY	1.00	0.98	0.93	0.88	0.86	0.87	0.89			
3	WKEND	SEASONAL PROFILE ENTRY	1.00	0.98	0.93	0.88	0.86	0.87	0.89			
SEASONAL PROFILE SEASONS												
209 RMONE_17												
		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12						
SUBPERIODS												
1	WKDAY	SEASONAL PROFILE ENTRY	0.89	0.88	0.89	0.94	0.98					
2	WKNIGHT	SEASONAL PROFILE ENTRY	0.89	0.88	0.89	0.94	0.98					
3	WKEND	SEASONAL PROFILE ENTRY	0.89	0.88	0.89	0.94	0.98					
SEASONAL PROFILE SEASONS												
210 RMONE_18												
		JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7				
SUBPERIODS												
1	WKDAY	SEASONAL PROFILE ENTRY	1.00	0.98	0.93	0.88	0.86	0.87	0.89			
2	WKNIGHT	SEASONAL PROFILE ENTRY	1.00	0.98	0.93	0.88	0.86	0.87	0.89			
3	WKEND	SEASONAL PROFILE ENTRY	1.00	0.98	0.93	0.88	0.86	0.87	0.89			
SEASONAL PROFILE SEASONS												
210 RMONE_18												
		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12						
SUBPERIODS												
1	WKDAY	SEASONAL PROFILE ENTRY	0.89	0.88	0.89	0.94	0.98					
2	WKNIGHT	SEASONAL PROFILE ENTRY	0.89	0.88	0.89	0.94	0.98					
3	WKEND	SEASONAL PROFILE ENTRY	0.89	0.88	0.89	0.94	0.98					

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.PARAMETERS.

SEASONAL PROFILE 211 RMONE_19 JANUARY 1 FEBRUARY 2 MARCH 3 APRIL 4 MAY 5 JUNE 6 JULY 7

SUBPERIODS

1	WKDAY	1.00	0.98	0.93	0.88	0.86	0.87	0.89
2	WKNIGHT	1.00	0.98	0.93	0.88	0.86	0.87	0.89
3	WKEND	1.00	0.98	0.93	0.88	0.86	0.87	0.89

SEASONAL PROFILE 211 RMONE_19 AUGUST 8 SEPTEMBER 9 OCTOBER 10 NOVEMBER 11 DECEMBER 12

SUBPERIODS

1	WKDAY	0.89	0.88	0.89	0.94	0.98		
2	WKNIGHT	0.89	0.88	0.89	0.94	0.98		
3	WKEND	0.89	0.88	0.89	0.94	0.98		

SEASONAL PROFILE 212 RMONE_20 JANUARY 1 FEBRUARY 2 MARCH 3 APRIL 4 MAY 5 JUNE 6 JULY 7

SUBPERIODS

1	WKDAY	1.00	0.98	0.93	0.88	0.86	0.87	0.89
2	WKNIGHT	1.00	0.98	0.93	0.88	0.86	0.87	0.89
3	WKEND	1.00	0.98	0.93	0.88	0.86	0.87	0.89

SEASONAL PROFILE 212 RMONE_20 AUGUST 8 SEPTEMBER 9 OCTOBER 10 NOVEMBER 11 DECEMBER 12

SUBPERIODS

1	WKDAY	0.89	0.88	0.89	0.94	0.98		
2	WKNIGHT	0.89	0.88	0.89	0.94	0.98		
3	WKEND	0.89	0.88	0.89	0.94	0.98		

SEASONAL PROFILE 213 RMONE_21 JANUARY 1 FEBRUARY 2 MARCH 3 APRIL 4 MAY 5 JUNE 6 JULY 7

SUBPERIODS

1	WKDAY	1.00	0.98	0.93	0.89	0.88	0.89	0.90
2	WKNIGHT	1.00	0.98	0.93	0.89	0.88	0.89	0.90
3	WKEND	1.00	0.98	0.93	0.89	0.88	0.89	0.90

SEASONAL PROFILE 213 RMONE_21 AUGUST 8 SEPTEMBER 9 OCTOBER 10 NOVEMBER 11 DECEMBER 12

SUBPERIODS

1	WKDAY	0.90	0.89	0.90	0.95	0.98		
2	WKNIGHT	0.90	0.89	0.90	0.95	0.98		
3	WKEND	0.90	0.89	0.90	0.95	0.98		

SEASONAL PROFILE 215 DOMI_11 JANUARY 1 FEBRUARY 2 MARCH 3 APRIL 4 MAY 5 JUNE 6 JULY 7

4-Company East Optimization

SUBPERIODS		215 DOMI_11											
		8	9	10	11	12							8
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	1.00	0.98	0.94	0.89	0.88	0.88	0.88	0.94	0.94	0.96	0.88	0.89
SEASONAL PROFILE ENTRY													
2	WKNIGHT	1.00	0.98	0.94	0.89	0.88	0.89	0.88	0.89	0.94	0.96	0.88	0.89
SEASONAL PROFILE ENTRY													
3	WKEND	1.00	0.98	0.94	0.89	0.88	0.89	0.88	0.89	0.94	0.96	0.88	0.89
SEASONAL PROFILE ENTRY													
SEASONAL PROFILE SEASONS		216 DOMI_12											
		8	9	10	11	12							8
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	1.00	0.98	0.94	0.88	0.87	0.87	0.87	0.94	0.88	0.87	0.87	0.89
SEASONAL PROFILE ENTRY													
2	WKNIGHT	1.00	0.98	0.94	0.88	0.87	0.87	0.87	0.94	0.88	0.87	0.87	0.89
SEASONAL PROFILE ENTRY													
3	WKEND	1.00	0.98	0.94	0.88	0.87	0.87	0.87	0.94	0.88	0.87	0.87	0.89
SEASONAL PROFILE ENTRY													
SEASONAL PROFILE SEASONS		216 DOMI_12											
		8	9	10	11	12							8
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	0.89	0.88	0.89	0.93	0.95	0.89	0.88	0.89	0.93	0.95	0.88	0.89
SEASONAL PROFILE ENTRY													
2	WKNIGHT	0.89	0.88	0.89	0.93	0.95	0.89	0.88	0.89	0.93	0.95	0.88	0.89
SEASONAL PROFILE ENTRY													
3	WKEND	0.89	0.88	0.89	0.93	0.95	0.89	0.88	0.89	0.93	0.95	0.88	0.89
SEASONAL PROFILE ENTRY													

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE		217 DOMI_13						
SEASONS		JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1	WKDAY	1.00	0.98	0.93	0.88	0.87	0.88	0.89
SEASONAL PROFILE ENTRY								
2	WKNIGHT	1.00	0.98	0.93	0.88	0.87	0.88	0.89
SEASONAL PROFILE ENTRY								
3	WKEND	1.00	0.98	0.93	0.88	0.87	0.88	0.89
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE		217 DOMI_13						
SEASONS		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1	WKDAY	0.89	0.88	0.89	0.93	0.96		
SEASONAL PROFILE ENTRY								
2	WKNIGHT	0.89	0.88	0.89	0.93	0.96		
SEASONAL PROFILE ENTRY								
3	WKEND	0.89	0.88	0.89	0.93	0.96		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE		218 DOMI_14						
SEASONS		JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1	WKDAY	1.00	0.98	0.95	0.90	0.89	0.89	0.91
SEASONAL PROFILE ENTRY								
2	WKNIGHT	1.00	0.98	0.95	0.90	0.89	0.89	0.91
SEASONAL PROFILE ENTRY								
3	WKEND	1.00	0.98	0.95	0.90	0.89	0.89	0.91
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE		219 DOMI_15						
SEASONS		JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1	WKDAY	1.00	0.99	0.95	0.91	0.89	0.90	0.91
SEASONAL PROFILE ENTRY								
2	WKNIGHT	1.00	0.99	0.95	0.91	0.89	0.90	0.91
SEASONAL PROFILE ENTRY								
3	WKEND	1.00	0.99	0.95	0.91	0.89	0.90	0.91
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE		219 DOMI_15						
SEASONS		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1	WKDAY	0.91	0.90	0.91	0.95	0.97		
SEASONAL PROFILE ENTRY								
2	WKNIGHT	0.91	0.90	0.91	0.95	0.97		
SEASONAL PROFILE ENTRY								
3	WKEND	0.91	0.90	0.91	0.95	0.97		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE		220 DOMI_16						
SEASONS		JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1	WKDAY	0.91	0.90	0.91	0.95	0.97		
SEASONAL PROFILE ENTRY								
2	WKNIGHT	0.91	0.90	0.91	0.95	0.97		
SEASONAL PROFILE ENTRY								
3	WKEND	0.91	0.90	0.91	0.95	0.97		
SEASONAL PROFILE ENTRY								

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.99	0.95	0.91	0.90	0.90	0.92				
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.99	0.95	0.91	0.90	0.90	0.92				
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	0.99	0.95	0.91	0.90	0.90	0.92				
SEASONAL PROFILE SEASONS												
220 DOMI_16												
	AUGUST	8	SEPTEMBER	9	OCTOBER	10	NOVEMBER	11	DECEMBER	12		
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.92	0.91	0.92	0.95	0.95	0.97					
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.92	0.91	0.92	0.95	0.95	0.97					
3	WKEND											
SEASONAL PROFILE ENTRY		0.92	0.91	0.92	0.95	0.97						
SEASONAL PROFILE SEASONS												
221 DOMI_17												
	JANUARY	1	FEBRUARY	2	MARCH	3	APRIL	4	MAY	5	JUNE	JULY
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.99	0.95	0.91	0.90	0.90	0.92				
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.99	0.95	0.91	0.90	0.90	0.92				
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	0.99	0.95	0.91	0.90	0.90	0.92				
SEASONAL PROFILE SEASONS												
221 DOMI_17												
	AUGUST	8	SEPTEMBER	9	OCTOBER	10	NOVEMBER	11	DECEMBER	12		
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.92	0.91	0.92	0.95	0.95	0.97					
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.92	0.91	0.92	0.95	0.95	0.97					
3	WKEND											
SEASONAL PROFILE ENTRY		0.92	0.91	0.92	0.95	0.97						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE 222 DOMI_18
SEASONS JANUARY 1 FEBRUARY 2 MARCH 3 APRIL 4 MAY 5 JUNE 6 JULY 7

SUBPERIODS													
1 WKDAY	1.00	0.99	0.95	0.92	0.91	0.91	0.92	0.91	0.91	0.92			
2 WKNIGHT	1.00	0.99	0.95	0.92	0.91	0.91	0.92	0.91	0.91	0.92			
3 WKEND	1.00	0.99	0.95	0.92	0.91	0.91	0.92	0.91	0.91	0.92			

SEASONAL PROFILE 222 DOMI_18
SEASONS AUGUST 8 SEPTEMBER 9 OCTOBER 10 NOVEMBER 11 DECEMBER 12

SUBPERIODS													
1 WKDAY	0.92	0.91	0.92	0.95	0.97	0.97	0.92	0.95	0.97	0.97			
2 WKNIGHT	0.92	0.91	0.92	0.95	0.97	0.97	0.92	0.95	0.97	0.97			
3 WKEND	0.92	0.91	0.92	0.95	0.97	0.97	0.92	0.95	0.97	0.97			

SEASONAL PROFILE 223 DOMI_19
SEASONS JANUARY 1 FEBRUARY 2 MARCH 3 APRIL 4 MAY 5 JUNE 6 JULY 7

SUBPERIODS													
1 WKDAY	1.00	0.99	0.95	0.92	0.91	0.91	0.91	0.91	0.91	0.92			
2 WKNIGHT	1.00	0.99	0.95	0.92	0.91	0.91	0.91	0.91	0.91	0.92			
3 WKEND	1.00	0.99	0.95	0.92	0.91	0.91	0.91	0.91	0.91	0.92			

SEASONAL PROFILE 223 DOMI_19
SEASONS AUGUST 8 SEPTEMBER 9 OCTOBER 10 NOVEMBER 11 DECEMBER 12

SUBPERIODS													
1 WKDAY	0.92	0.91	0.92	0.95	0.97	0.97	0.92	0.95	0.97	0.97			
2 WKNIGHT	0.92	0.91	0.92	0.95	0.97	0.97	0.92	0.95	0.97	0.97			
3 WKEND	0.92	0.91	0.92	0.95	0.97	0.97	0.92	0.95	0.97	0.97			

SEASONAL PROFILE 224 DOMI_20
SEASONS JANUARY 1 FEBRUARY 2 MARCH 3 APRIL 4 MAY 5 JUNE 6 JULY 7

SUBPERIODS													
1 WKDAY	1.00	0.99	0.95	0.92	0.91	0.91	0.91	0.91	0.91	0.92			
2 WKNIGHT	1.00	0.99	0.95	0.92	0.91	0.91	0.91	0.91	0.91	0.92			
3 WKEND	1.00	0.99	0.95	0.92	0.91	0.91	0.91	0.91	0.91	0.92			

SEASONAL PROFILE 224 DOMI_20
SEASONS AUGUST 8 SEPTEMBER 9 OCTOBER 10 NOVEMBER 11 DECEMBER 12

SUBPERIODS													
1 WKDAY	0.92	0.91	0.92	0.95	0.97	0.97	0.92	0.95	0.97	0.97			
2 WKNIGHT	0.92	0.91	0.92	0.95	0.97	0.97	0.92	0.95	0.97	0.97			
3 WKEND	0.92	0.91	0.92	0.95	0.97	0.97	0.92	0.95	0.97	0.97			

SEASONAL PROFILE 225 DOMI_21
SEASONS JANUARY 1 FEBRUARY 2 MARCH 3 APRIL 4 MAY 5 JUNE 6 JULY 7

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4-Company East Optimization

SUBPERIODS												
1	WKDAY	225	DOMI_21	1.00	0.99	0.96	0.92	0.91	0.91	0.91	0.93	
	SEASONAL PROFILE ENTRY											
2	WKNIGHT			1.00	0.99	0.96	0.92	0.91	0.91	0.93		
	SEASONAL PROFILE ENTRY											
3	WKEND			1.00	0.99	0.96	0.92	0.91	0.91	0.93		
	SEASONAL PROFILE ENTRY											
SEASONAL PROFILE												
SEASONS												
SUBPERIODS												
1	WKDAY	226	DOMI_22	1.00	0.99	0.96	0.92	0.91	0.91	0.91	0.93	
	SEASONAL PROFILE ENTRY											
2	WKNIGHT			1.00	0.99	0.96	0.92	0.91	0.91	0.93		
	SEASONAL PROFILE ENTRY											
3	WKEND			1.00	0.99	0.96	0.92	0.91	0.91	0.93		
	SEASONAL PROFILE ENTRY											
SEASONAL PROFILE												
SEASONS												
SUBPERIODS												
1	WKDAY	226	DOMI_22	0.93	0.92	0.93	0.96	0.97				
	SEASONAL PROFILE ENTRY											
2	WKNIGHT			0.93	0.92	0.93	0.96	0.97				
	SEASONAL PROFILE ENTRY											
3	WKEND			0.93	0.92	0.93	0.96	0.97				
	SEASONAL PROFILE ENTRY											
SEASONAL PROFILE												
SEASONS												
SUBPERIODS												
1	WKDAY			0.93	0.92	0.93	0.96	0.97				
	SEASONAL PROFILE ENTRY											
2	WKNIGHT			0.93	0.92	0.93	0.96	0.97				
	SEASONAL PROFILE ENTRY											
3	WKEND			0.93	0.92	0.93	0.96	0.97				
	SEASONAL PROFILE ENTRY											

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS	227 DOMI_23	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY								
SEASONAL PROFILE ENTRY	1.00	0.99	0.96	0.93	0.92	0.92	0.92	0.93
2 WKNIGHT								
SEASONAL PROFILE ENTRY	1.00	0.99	0.96	0.93	0.92	0.92	0.92	0.93
3 WKEND								
SEASONAL PROFILE ENTRY	1.00	0.99	0.96	0.93	0.92	0.92	0.92	0.93
SEASONAL PROFILE SEASONS	227 DOMI_23	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY								
SEASONAL PROFILE ENTRY	0.93	0.92	0.93	0.96	0.96	0.97		
2 WKNIGHT								
SEASONAL PROFILE ENTRY	0.93	0.92	0.93	0.96	0.96	0.97		
3 WKEND								
SEASONAL PROFILE ENTRY	0.93	0.92	0.93	0.96	0.97			
SEASONAL PROFILE SEASONS	228 DOMI_24	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY								
SEASONAL PROFILE ENTRY	1.00	0.99	0.96	0.93	0.92	0.92	0.92	0.93
2 WKNIGHT								
SEASONAL PROFILE ENTRY	1.00	0.99	0.96	0.93	0.92	0.92	0.92	0.93
3 WKEND								
SEASONAL PROFILE ENTRY	1.00	0.99	0.96	0.93	0.92	0.92	0.92	0.93
SEASONAL PROFILE SEASONS	228 DOMI_24	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY								
SEASONAL PROFILE ENTRY	0.93	0.92	0.93	0.96	0.96	0.98		
2 WKNIGHT								
SEASONAL PROFILE ENTRY	0.93	0.92	0.93	0.96	0.96	0.98		
3 WKEND								
SEASONAL PROFILE ENTRY	0.93	0.92	0.93	0.96	0.98			
SEASONAL PROFILE SEASONS	229 DOMI_25	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY								
SEASONAL PROFILE ENTRY	1.00	0.99	0.96	0.93	0.92	0.92	0.92	0.93
2 WKNIGHT								
SEASONAL PROFILE ENTRY	1.00	0.99	0.96	0.93	0.92	0.92	0.92	0.93
3 WKEND								
SEASONAL PROFILE ENTRY	1.00	0.99	0.96	0.93	0.92	0.92	0.92	0.93
SEASONAL PROFILE SEASONS	229 DOMI_25	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY								
SEASONAL PROFILE ENTRY	0.93	0.93	0.93	0.96	0.96	0.98		
2 WKNIGHT								
SEASONAL PROFILE ENTRY	0.93	0.93	0.93	0.96	0.96	0.98		
3 WKEND								
SEASONAL PROFILE ENTRY	0.93	0.93	0.93	0.96	0.96	0.98		
SEASONAL PROFILE SEASONS	230 DOMI_26	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY								
SEASONAL PROFILE ENTRY	0.93	0.93	0.93	0.96	0.96	0.98		
2 WKNIGHT								
SEASONAL PROFILE ENTRY	0.93	0.93	0.93	0.96	0.96	0.98		
3 WKEND								
SEASONAL PROFILE ENTRY	0.93	0.93	0.93	0.96	0.96	0.98		
SEASONAL PROFILE SEASONS	230 DOMI_26	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7

SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.99	0.96	0.93	0.92	0.92	0.94				
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.99	0.96	0.93	0.92	0.92	0.94				
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	0.99	0.96	0.93	0.92	0.92	0.94				
SEASONAL PROFILE												
SEASONS												
230 DOMI_26												
	AUGUST	8	SEPTEMBER	9	OCTOBER	10	NOVEMBER	11	DECEMBER	12		
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.93	0.93	0.93	0.96	0.98						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.93	0.93	0.93	0.96	0.98						
3	WKEND											
SEASONAL PROFILE ENTRY		0.93	0.93	0.93	0.96	0.98						
SEASONAL PROFILE												
SEASONS												
231 DOMI_27												
	JANUARY	1	FEBRUARY	2	MARCH	3	APRIL,	4	MAY	5	JUNE	6
												7
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.99	0.96	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.94
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.99	0.96	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.94
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	0.99	0.96	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.94
SEASONAL PROFILE												
SEASONS												
231 DOMI_27												
	AUGUST	8	SEPTEMBER	9	OCTOBER	10	NOVEMBER	11	DECEMBER	12		
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.94	0.93	0.94	0.96	0.98						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.94	0.93	0.94	0.96	0.98						
3	WKEND											
SEASONAL PROFILE ENTRY		0.94	0.93	0.94	0.96	0.98						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS		232 DOWI_28															
SUBPERIODS		1	2	3	4	5	6	7	1	2	3	4	5	6	7		
SEASONAL PROFILE ENTRY		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY		
1	WKDAY	1.00	0.99	0.96	0.93	0.93	0.93	0.94	1	2	3	4	5	6	7		
2	WKNIGHT	1.00	0.99	0.96	0.93	0.93	0.93	0.94	1	2	3	4	5	6	7		
3	WKEND	1.00	0.99	0.96	0.93	0.93	0.93	0.94	1	2	3	4	5	6	7		
SEASONAL PROFILE SEASONS		232 DOWI_28															
SUBPERIODS		8	9	10	11	12	8	9	10	11	12						
SEASONAL PROFILE ENTRY		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER						
1	WKDAY	0.94	0.93	0.94	0.96	0.98	1	2	3	4	5						
2	WKNIGHT	0.94	0.93	0.94	0.96	0.98	1	2	3	4	5						
3	WKEND	0.94	0.93	0.94	0.96	0.98	1	2	3	4	5						
SEASONAL PROFILE SEASONS		233 DOWI_29															
SUBPERIODS		8	9	10	11	12	8	9	10	11	12						
SEASONAL PROFILE ENTRY		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER						
1	WKDAY	1.00	0.99	0.96	0.94	0.93	0.93	0.93	0.93	0.94	1	2	3	4	5	6	7
2	WKNIGHT	1.00	0.99	0.96	0.94	0.93	0.93	0.93	0.94	1	2	3	4	5	6	7	
3	WKEND	1.00	0.99	0.96	0.94	0.93	0.93	0.93	0.94	1	2	3	4	5	6	7	
SEASONAL PROFILE SEASONS		234 DOWI_30															
SUBPERIODS		1	2	3	4	5	6	7	1	2	3	4	5	6	7		
SEASONAL PROFILE ENTRY		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY		
1	WKDAY	1.00	0.99	0.96	0.94	0.93	0.93	0.94	1	2	3	4	5	6	7		
2	WKNIGHT	1.00	0.99	0.96	0.94	0.93	0.93	0.94	1	2	3	4	5	6	7		
3	WKEND	1.00	0.99	0.96	0.94	0.93	0.93	0.94	1	2	3	4	5	6	7		
SEASONAL PROFILE SEASONS		235 DOWI_31															
SUBPERIODS		8	9	10	11	12	8	9	10	11	12						
SEASONAL PROFILE ENTRY		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER						
1	WKDAY	0.94	0.93	0.94	0.96	0.98	1	2	3	4	5						
2	WKNIGHT	0.94	0.93	0.94	0.96	0.98	1	2	3	4	5						
3	WKEND	0.94	0.93	0.94	0.96	0.98	1	2	3	4	5						
SEASONAL PROFILE SEASONS		235 DOWI_31															
SUBPERIODS		1	2	3	4	5	6	7	1	2	3	4	5	6	7		
SEASONAL PROFILE ENTRY		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY		
1	WKDAY	0.94	0.93	0.94	0.96	0.98	1	2	3	4	5	6	7				
2	WKNIGHT	0.94	0.93	0.94	0.96	0.98	1	2	3	4	5	6	7				
3	WKEND	0.94	0.93	0.94	0.96	0.98	1	2	3	4	5	6	7				

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SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.99	0.96	0.94	0.93	0.93	0.94	0.93	0.93	0.94	
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.99	0.96	0.94	0.93	0.93	0.94	0.93	0.93	0.94	
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	0.99	0.96	0.94	0.93	0.93	0.94	0.93	0.93	0.94	
SEASONAL PROFILE												
235 DOMI_31												
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.94	0.93	0.94	0.96	0.98	0.98					
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.94	0.93	0.94	0.96	0.98	0.98					
3	WKEND											
SEASONAL PROFILE ENTRY		0.94	0.93	0.94	0.96	0.98	0.98					
SEASONAL PROFILE												
236 DOMI_32												
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.99	0.97	0.94	0.93	0.93	0.93	0.93	0.94		
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.99	0.97	0.94	0.93	0.93	0.93	0.93	0.94		
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	0.99	0.97	0.94	0.93	0.93	0.93	0.93	0.94		
SEASONAL PROFILE												
236 DOMI_32												
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.94	0.93	0.94	0.96	0.98	0.98					
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.94	0.93	0.94	0.96	0.98	0.98					
3	WKEND											
SEASONAL PROFILE ENTRY		0.94	0.93	0.94	0.96	0.98	0.98					

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS	237 DOMT_33	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
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1 WKDAY	1.00	0.99	0.97	0.94	0.93	0.93	0.93	0.94
2 WKNIGHT	1.00	0.99	0.97	0.94	0.93	0.93	0.93	0.94
3 WKEND	1.00	0.99	0.97	0.94	0.93	0.93	0.93	0.94

SEASONAL PROFILE SEASONS	237 DOMT_33	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12
--------------------------	-------------	----------	-------------	------------	-------------	-------------

1 WKDAY	0.94	0.93	0.94	0.96	0.98
2 WKNIGHT	0.94	0.93	0.94	0.96	0.98
3 WKEND	0.94	0.93	0.94	0.96	0.98

SEASONAL PROFILE SEASONS	238 DOMT_34	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
--------------------------	-------------	-----------	------------	---------	---------	-------	--------	--------

1 WKDAY	1.00	0.99	0.97	0.94	0.93	0.93	0.93	0.94
2 WKNIGHT	1.00	0.99	0.97	0.94	0.93	0.93	0.93	0.94
3 WKEND	1.00	0.99	0.97	0.94	0.93	0.93	0.93	0.94

SEASONAL PROFILE SEASONS	238 DOMT_34	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12
--------------------------	-------------	----------	-------------	------------	-------------	-------------

1 WKDAY	0.94	0.94	0.94	0.96	0.98
2 WKNIGHT	0.94	0.94	0.94	0.96	0.98
3 WKEND	0.94	0.94	0.94	0.96	0.98

SEASONAL PROFILE SEASONS	239 DOMT_35	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
--------------------------	-------------	-----------	------------	---------	---------	-------	--------	--------

1 WKDAY	1.00	0.99	0.97	0.94	0.93	0.94	0.94	0.94
2 WKNIGHT	1.00	0.99	0.97	0.94	0.93	0.93	0.94	0.94
3 WKEND	1.00	0.99	0.97	0.94	0.93	0.93	0.94	0.94

SEASONAL PROFILE SEASONS	239 DOMT_35	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12
--------------------------	-------------	----------	-------------	------------	-------------	-------------

1 WKDAY	0.94	0.94	0.94	0.96	0.98
2 WKNIGHT	0.94	0.94	0.94	0.96	0.98
3 WKEND	0.94	0.94	0.94	0.96	0.98

SEASONAL PROFILE SEASONS	240 DOMT_36	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
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SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.99	0.97	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.95
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.99	0.97	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.95
3	WKENDD											
SEASONAL PROFILE ENTRY		1.00	0.99	0.97	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.95
SEASONAL PROFILE												
SEASONS												
240 DOMI_36												
AUGUST 8												
SEPTEMBER 9												
OCTOBER 10												
NOVEMBER 11												
DECEMBER 12												
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.94	0.94	0.94	0.96	0.96	0.98					
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.94	0.94	0.94	0.96	0.96	0.98					
3	WKENDD											
SEASONAL PROFILE ENTRY		0.94	0.94	0.94	0.96	0.96	0.98					
SEASONAL PROFILE												
SEASONS												
241 DOMI_37												
JANUARY 1												
FEBRUARY 2												
MARCH 3												
APRIL 4												
MAY 5												
JUNE 6												
JULY 7												
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.99	0.97	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.95
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.99	0.97	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.95
3	WKENDD											
SEASONAL PROFILE ENTRY		1.00	0.99	0.97	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.95
SEASONAL PROFILE												
SEASONS												
241 DOMI_37												
AUGUST 8												
SEPTEMBER 9												
OCTOBER 10												
NOVEMBER 11												
DECEMBER 12												
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.94	0.94	0.94	0.96	0.96	0.98					
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.94	0.94	0.94	0.96	0.96	0.98					
3	WKENDD											
SEASONAL PROFILE ENTRY		0.94	0.94	0.94	0.96	0.96	0.98					

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS	242 DOMI_38	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		1.00	0.99	0.97	0.94	0.94	0.94	0.95
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	0.99	0.97	0.94	0.94	0.94	0.95
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	0.99	0.97	0.94	0.94	0.94	0.95
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	242 DOMI_38	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY		0.94	0.94	0.94	0.97	0.98		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.94	0.94	0.94	0.97	0.98		
SEASONAL PROFILE ENTRY								
3 WKEND		0.94	0.94	0.94	0.97	0.98		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	243 DOMI_39	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		1.00	0.99	0.97	0.94	0.94	0.94	0.95
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	0.99	0.97	0.94	0.94	0.94	0.95
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	0.99	0.97	0.94	0.94	0.94	0.95
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	243 DOMI_39	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY		0.94	0.94	0.94	0.97	0.98		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.94	0.94	0.94	0.97	0.98		
SEASONAL PROFILE ENTRY								
3 WKEND		0.94	0.94	0.94	0.97	0.98		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	244 DOMI_40	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		1.00	0.99	0.97	0.94	0.94	0.94	0.95
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	0.99	0.97	0.94	0.94	0.94	0.95
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	0.99	0.97	0.94	0.94	0.94	0.95
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	244 DOMI_40	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY		0.95	0.94	0.95	0.97	0.98		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.95	0.94	0.95	0.97	0.98		
SEASONAL PROFILE ENTRY								
3 WKEND		0.95	0.94	0.95	0.97	0.98		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	246 AM2_11	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		0.95	0.94	0.95	0.97	0.98		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.95	0.94	0.95	0.97	0.98		
SEASONAL PROFILE ENTRY								
3 WKEND		0.95	0.94	0.95	0.97	0.98		
SEASONAL PROFILE ENTRY								

SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
	SEASONAL PROFILE SEASONS	246	AM2_11									
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
3	WKEND											
	SEASONAL PROFILE ENTRY	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
	SEASONAL PROFILE SEASONS	248	CD1_11									
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.84
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.84
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.84
	SEASONAL PROFILE SEASONS	248	CD1_11									
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS	250	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
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SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
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SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
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SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
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SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
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SEASONAL PROFILE SEASONS	250	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
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SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00		
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SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00		
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SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00		
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SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00		
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SEASONAL PROFILE SEASONS	252	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
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SEASONAL PROFILE ENTRY	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
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SEASONAL PROFILE ENTRY	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
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SEASONAL PROFILE ENTRY	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
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SEASONAL PROFILE ENTRY	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
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SEASONAL PROFILE SEASONS	252	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
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SEASONAL PROFILE ENTRY	5.00	5.00	5.00	5.00	5.00	5.00		
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SEASONAL PROFILE ENTRY	5.00	5.00	5.00	5.00	5.00	5.00		
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SEASONAL PROFILE ENTRY	5.00	5.00	5.00	5.00	5.00	5.00		
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SEASONAL PROFILE ENTRY	5.00	5.00	5.00	5.00	5.00	5.00		
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SEASONAL PROFILE SEASONS	253	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
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SEASONAL PROFILE ENTRY	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
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SEASONAL PROFILE ENTRY	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
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SEASONAL PROFILE ENTRY	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
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SEASONAL PROFILE ENTRY	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
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SEASONAL PROFILE SEASONS	253	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
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SEASONAL PROFILE ENTRY	5.00	5.00	5.00	5.00	5.00	5.00		
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SEASONAL PROFILE ENTRY	5.00	5.00	5.00	5.00	5.00	5.00		
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SEASONAL PROFILE ENTRY	5.00	5.00	5.00	5.00	5.00	5.00		
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SEASONAL PROFILE ENTRY	5.00	5.00	5.00	5.00	5.00	5.00		
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SEASONAL PROFILE ENTRY	5.00	5.00	5.00	5.00	5.00	5.00		
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SEASONAL PROFILE SEASONS	254	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
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SEASONAL PROFILE ENTRY	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
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SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		5.00	4.99	5.01	5.03	5.00	5.00	5.00	5.00	5.00	5.00	5.00
2	WKNIGHT											
SEASONAL PROFILE ENTRY		5.00	4.99	5.01	5.03	5.00	5.00	5.00	5.00	5.00	5.00	5.00
3	WKEND											
SEASONAL PROFILE ENTRY		5.00	4.99	5.01	5.03	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SEASONAL PROFILE												
254 COOKI_13												
SEASONS												
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		5.01	5.01	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
2	WKNIGHT											
SEASONAL PROFILE ENTRY		5.01	5.01	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
3	WKEND											
SEASONAL PROFILE ENTRY		5.01	5.01	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SEASONAL PROFILE												
255 COOKI_14												
SEASONS												
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
2	WKNIGHT											
SEASONAL PROFILE ENTRY		5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
3	WKEND											
SEASONAL PROFILE ENTRY		5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SEASONAL PROFILE												
255 COOKI_14												
SEASONS												
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
2	WKNIGHT											
SEASONAL PROFILE ENTRY		5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
3	WKEND											
SEASONAL PROFILE ENTRY		5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE 256 COOKI_15
SEASONS JANUARY 1 FEBRUARY 2 MARCH 3 APRIL 4 MAY 5 JUNE 6 JULY 7

SUBPERIODS

1	WKDAY	5.00	5.00	5.00	5.00	4.99	5.00	5.00
2	WKNIGHT	5.00	5.00	5.00	5.00	4.99	5.00	5.00
3	WKEND	5.00	5.00	5.00	5.00	4.99	5.00	5.00

SEASONAL PROFILE 256 COOKI_15
SEASONS AUGUST 8 SEPTEMBER 9 OCTOBER 10 NOVEMBER 11 DECEMBER 12

SUBPERIODS

1	WKDAY	5.00	5.00	5.00	5.00	5.00	5.00
2	WKNIGHT	5.00	5.00	5.00	5.00	5.00	5.00
3	WKEND	5.00	5.00	5.00	5.00	5.00	5.00

SEASONAL PROFILE 257 COOKI_16
SEASONS JANUARY 1 FEBRUARY 2 MARCH 3 APRIL 4 MAY 5 JUNE 6 JULY 7

SUBPERIODS

1	WKDAY	5.00	5.00	5.00	5.00	5.00	5.00	5.00
2	WKNIGHT	5.00	5.00	5.00	5.00	5.00	5.00	5.00
3	WKEND	5.00	5.00	5.00	5.00	5.00	5.00	5.00

SEASONAL PROFILE 257 COOKI_16
SEASONS AUGUST 8 SEPTEMBER 9 OCTOBER 10 NOVEMBER 11 DECEMBER 12

SUBPERIODS

1	WKDAY	5.00	5.00	5.00	5.00	5.00	5.00
2	WKNIGHT	5.00	5.00	5.00	5.00	5.00	5.00
3	WKEND	5.00	5.00	5.00	5.00	5.00	5.00

SEASONAL PROFILE 258 COOKI_17
SEASONS JANUARY 1 FEBRUARY 2 MARCH 3 APRIL 4 MAY 5 JUNE 6 JULY 7

SUBPERIODS

1	WKDAY	5.00	5.00	5.00	5.00	5.00	5.00	5.00
2	WKNIGHT	5.00	5.00	5.00	5.00	5.00	5.00	5.00
3	WKEND	5.00	5.00	5.00	5.00	5.00	5.00	5.00

SEASONAL PROFILE 258 COOKI_17
SEASONS AUGUST 8 SEPTEMBER 9 OCTOBER 10 NOVEMBER 11 DECEMBER 12

SUBPERIODS

1	WKDAY	5.00	5.00	5.00	5.00	5.00	5.00
2	WKNIGHT	5.00	5.00	5.00	5.00	5.00	5.00
3	WKEND	5.00	5.00	5.00	5.00	5.00	5.00

SEASONAL PROFILE 259 COOKI_18
SEASONS JANUARY 1 FEBRUARY 2 MARCH 3 APRIL 4 MAY 5 JUNE 6 JULY 7

SUBPERIODS

1	WKDAY	5.00	5.00	5.00	5.00	5.00	5.00	5.00
2	WKNIGHT	5.00	5.00	5.00	5.00	5.00	5.00	5.00
3	WKEND	5.00	5.00	5.00	5.00	5.00	5.00	5.00

SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
2	WKNIIGHT											
	SEASONAL PROFILE ENTRY	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
3	WKEND											
	SEASONAL PROFILE ENTRY	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SEASONAL PROFILE												
	SEASONS	259 COOKI_18										
		AUGUST	8	SEPTEMBER	9	OCTOBER	10	NOVEMBER	11	DECEMBER	12	
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
2	WKNIIGHT											
	SEASONAL PROFILE ENTRY	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
3	WKEND											
	SEASONAL PROFILE ENTRY	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SEASONAL PROFILE												
	SEASONS	260 COOKI_19										
		AUGUST	8	SEPTEMBER	9	OCTOBER	10	NOVEMBER	11	DECEMBER	12	
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
2	WKNIIGHT											
	SEASONAL PROFILE ENTRY	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
3	WKEND											
	SEASONAL PROFILE ENTRY	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS	261 COOKL_20	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		5.00	5.00	5.00	5.00	5.00	5.00	5.00
SEASONAL PROFILE ENTRY								
2 WKNTIGHT		5.00	5.00	5.00	5.00	5.00	5.00	5.00
SEASONAL PROFILE ENTRY								
3 WKEND		5.00	5.00	5.00	5.00	5.00	5.00	5.00
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	261 COOKL_20	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY		5.00	5.00	5.00	5.00	5.00		
SEASONAL PROFILE ENTRY								
2 WKNTIGHT		5.00	5.00	5.00	5.00	5.00		
SEASONAL PROFILE ENTRY								
3 WKEND		5.00	5.00	5.00	5.00	5.00		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	264 NOX 11	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		485.00	485.00	485.00	485.00	530.00	530.00	530.00
SEASONAL PROFILE ENTRY								
2 WKNTIGHT		485.00	485.00	485.00	485.00	530.00	530.00	530.00
SEASONAL PROFILE ENTRY								
3 WKEND		485.00	485.00	485.00	485.00	530.00	530.00	530.00
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	264 NOX 11	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY		530.00	530.00	485.00	485.00	485.00		
SEASONAL PROFILE ENTRY								
2 WKNTIGHT		530.00	530.00	485.00	485.00	485.00		
SEASONAL PROFILE ENTRY								
3 WKEND		530.00	530.00	485.00	485.00	485.00		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	265 NOX 12	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		650.00	650.00	650.00	650.00	2050.00	2050.00	2050.00
SEASONAL PROFILE ENTRY								
2 WKNTIGHT		650.00	650.00	650.00	650.00	2050.00	2050.00	2050.00
SEASONAL PROFILE ENTRY								
3 WKEND		650.00	650.00	650.00	650.00	2050.00	2050.00	2050.00
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	265 NOX 12	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY		2050.00	2050.00	650.00	650.00	650.00		
SEASONAL PROFILE ENTRY								
2 WKNTIGHT		2050.00	2050.00	650.00	650.00	650.00		
SEASONAL PROFILE ENTRY								
3 WKEND		2050.00	2050.00	650.00	650.00	650.00		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	266 NOX 13	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		650.00	650.00	650.00	650.00	650.00		
SEASONAL PROFILE ENTRY								
2 WKNTIGHT		650.00	650.00	650.00	650.00	650.00		
SEASONAL PROFILE ENTRY								
3 WKEND		650.00	650.00	650.00	650.00	650.00		
SEASONAL PROFILE ENTRY								

SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	550.00	550.00	550.00	550.00	1650.00	1650.00	1650.00	1650.00	1650.00	1650.00	1650.00
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	550.00	550.00	550.00	550.00	1650.00	1650.00	1650.00	1650.00	1650.00	1650.00	1650.00
3	WKEND											
	SEASONAL PROFILE ENTRY	550.00	550.00	550.00	550.00	1650.00	1650.00	1650.00	1650.00	1650.00	1650.00	1650.00
	SEASONAL PROFILE SEASONS	266 NOX 13										
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1650.00	1650.00	550.00	550.00	550.00	550.00	550.00	550.00	550.00	550.00	550.00
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1650.00	1650.00	550.00	550.00	550.00	550.00	550.00	550.00	550.00	550.00	550.00
3	WKEND											
	SEASONAL PROFILE ENTRY	1650.00	1650.00	550.00	550.00	550.00	550.00	550.00	550.00	550.00	550.00	550.00
	SEASONAL PROFILE SEASONS	267 NOX 14										
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	450.00	450.00	450.00	450.00	1250.00	1250.00	1250.00	1250.00	1250.00	1250.00	1250.00
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	450.00	450.00	450.00	450.00	1250.00	1250.00	1250.00	1250.00	1250.00	1250.00	1250.00
3	WKEND											
	SEASONAL PROFILE ENTRY	450.00	450.00	450.00	450.00	1250.00	1250.00	1250.00	1250.00	1250.00	1250.00	1250.00
	SEASONAL PROFILE SEASONS	267 NOX 14										
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1250.00	1250.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1250.00	1250.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00
3	WKEND											
	SEASONAL PROFILE ENTRY	1250.00	1250.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00
	SEASONAL PROFILE SEASONS	267 NOX 14										
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1250.00	1250.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1250.00	1250.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00
3	WKEND											
	SEASONAL PROFILE ENTRY	1250.00	1250.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00
	SEASONAL PROFILE SEASONS	267 NOX 14										
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1250.00	1250.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1250.00	1250.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00
3	WKEND											
	SEASONAL PROFILE ENTRY	1250.00	1250.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00
	SEASONAL PROFILE SEASONS	267 NOX 14										

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	125.00	125.00	125.00	125.00	125.00	125.00	125.00	125.00	125.00	125.00	125.00
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	125.00	125.00	125.00	125.00	125.00	125.00	125.00	125.00	125.00	125.00	125.00
3	WKENDD											
	SEASONAL PROFILE ENTRY	125.00	125.00	125.00	125.00	125.00	125.00	125.00	125.00	125.00	125.00	125.00
	SEASONAL PROFILE	271	NOX 18									
	SEASONS		8	9	10	11	12					
	AUGUST	SEPTMBER	OCTOBER	NOVEMBER	DECEMBER							
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	375.00	375.00	125.00	125.00	125.00	125.00	125.00	125.00	125.00	125.00	125.00
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	375.00	375.00	125.00	125.00	125.00	125.00	125.00	125.00	125.00	125.00	125.00
3	WKENDD											
	SEASONAL PROFILE ENTRY	375.00	375.00	125.00	125.00	125.00	125.00	125.00	125.00	125.00	125.00	125.00
	SEASONAL PROFILE	272	NOX 19									
	SEASONS		1	2	3	4	5	6	7			
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY					
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	200.00	200.00	200.00	200.00	200.00	275.00	275.00	275.00	275.00	275.00	275.00
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	200.00	200.00	200.00	200.00	200.00	275.00	275.00	275.00	275.00	275.00	275.00
3	WKENDD											
	SEASONAL PROFILE ENTRY	200.00	200.00	200.00	200.00	200.00	275.00	275.00	275.00	275.00	275.00	275.00
	SEASONAL PROFILE	272	NOX 19									
	SEASONS		8	9	10	11	12					
	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER							
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	275.00	275.00	200.00	200.00	200.00	200.00	200.00	200.00	200.00	200.00	200.00
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	275.00	275.00	200.00	200.00	200.00	200.00	200.00	200.00	200.00	200.00	200.00
3	WKENDD											
	SEASONAL PROFILE ENTRY	275.00	275.00	200.00	200.00	200.00	200.00	200.00	200.00	200.00	200.00	200.00

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

273 NOX 20

SEASONAL PROFILE SEASONS	1	2	3	4	5	6	7
1 WKDAY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 WKNIGHT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 WKEND	0.00	0.00	0.00	0.00	0.00	0.00	0.00

273 NOX 20

SEASONAL PROFILE SEASONS	8	9	10	11	12
1 WKDAY	0.00	0.00	0.00	0.00	0.00
2 WKNIGHT	0.00	0.00	0.00	0.00	0.00
3 WKEND	0.00	0.00	0.00	0.00	0.00

274 BECK_12

SEASONAL PROFILE SEASONS	1	2	3	4	5	6	7
1 WKDAY	0.99	0.99	0.99	0.99	0.99	1.00	1.00
2 WKNIGHT	0.99	0.99	0.99	0.99	0.99	1.00	1.00
3 WKEND	0.99	0.99	0.99	0.99	0.99	1.00	1.00

274 BECK_12

SEASONAL PROFILE SEASONS	8	9	10	11	12
1 WKDAY	1.00	1.00	1.00	1.00	1.00
2 WKNIGHT	1.00	1.00	1.00	1.00	1.00
3 WKEND	1.00	1.00	1.00	1.00	1.00

275 BIGS_12

SEASONAL PROFILE SEASONS	1	2	3	4	5	6	7
1 WKDAY	1.00	0.99	0.99	0.98	0.97	0.97	0.96
2 WKNIGHT	1.00	0.99	0.99	0.98	0.97	0.97	0.96
3 WKEND	1.00	0.99	0.99	0.98	0.97	0.97	0.96

275 BIGS_12

SEASONAL PROFILE SEASONS	8	9	10	11	12
1 WKDAY	0.96	0.96	0.96	0.96	0.97
2 WKNIGHT	0.96	0.96	0.96	0.96	0.97
3 WKEND	0.96	0.96	0.96	0.96	0.97

277 COOK_11

SEASONAL PROFILE SEASONS	1	2	3	4	5	6	7
1 WKDAY	0.96	0.96	0.96	0.96	0.97	0.97	0.96
2 WKNIGHT	0.96	0.96	0.96	0.96	0.97	0.97	0.96
3 WKEND	0.96	0.96	0.96	0.96	0.97	0.97	0.96

APP EAST
GENERATION AND FUEL MODJLE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS	279 COOK2_13	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1 WKDAY	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
2 WKNIGHT	5.00	5.01	5.00	5.00	5.00	5.00	5.00	4.99
3 WKEND	5.00	5.01	5.00	5.00	5.00	5.00	5.00	4.99
SEASONAL PROFILE SEASONS	279 COOK2_13	8 AUGUST	9 SEPTEMBER	10 OCTOBER	11 NOVEMBER	12 DECEMBER		
SUBPERIODS								
1 WKDAY	5.00	5.00	5.00	5.00	5.00	5.00		
2 WKNIGHT	5.00	5.00	5.00	5.01	5.00	5.00		
3 WKEND	5.00	5.00	5.00	5.01	5.01	5.00		
SEASONAL PROFILE SEASONS	280 COOK2_14	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1 WKDAY	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
2 WKNIGHT	5.00	5.00	5.00	5.01	5.01	5.01	5.00	5.00
3 WKEND	5.00	5.00	5.00	5.01	5.01	5.01	5.00	5.00
SEASONAL PROFILE SEASONS	280 COOK2_14	8 AUGUST	9 SEPTEMBER	10 OCTOBER	11 NOVEMBER	12 DECEMBER		
SUBPERIODS								
1 WKDAY	5.00	5.00	5.00	5.00	5.00	5.00		
2 WKNIGHT	5.00	4.99	5.00	5.01	5.01	5.00		
3 WKEND	5.00	4.99	5.00	5.01	5.01	5.00		
SEASONAL PROFILE SEASONS	281 COOK2_15	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1 WKDAY	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
2 WKNIGHT	5.00	5.00	5.01	5.02	5.00	5.00	5.00	5.00
3 WKEND	5.00	5.00	5.01	5.02	5.00	5.00	5.00	5.00
SEASONAL PROFILE SEASONS	281 COOK2_15	8 AUGUST	9 SEPTEMBER	10 OCTOBER	11 NOVEMBER	12 DECEMBER		
SUBPERIODS								
1 WKDAY	5.00	5.00	5.00	5.00	5.00	5.00		
2 WKNIGHT	5.00	5.00	5.00	5.00	5.00	5.00		
3 WKEND	5.00	5.00	5.00	5.00	5.00	5.00		
SEASONAL PROFILE SEASONS	282 COOK2_16	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1 WKDAY	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
2 WKNIGHT	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
3 WKEND	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SEASONAL PROFILE SEASONS	282 COOK2_16	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
2	WKNIGHT											
SEASONAL PROFILE ENTRY		5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
3	WKEND											
SEASONAL PROFILE ENTRY		5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SEASONAL PROFILE SEASONS		282	COOK2_16									
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		5.00	5.00	5.00	5.00	4.99	5.00	5.00	5.00	5.00	5.00	5.00
2	WKNIGHT											
SEASONAL PROFILE ENTRY		5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
3	WKEND											
SEASONAL PROFILE ENTRY		5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SEASONAL PROFILE SEASONS		283	COOK2_17									
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		5.00	5.00	5.00	5.00	4.99	5.00	5.00	5.00	5.00	5.00	5.00
2	WKNIGHT											
SEASONAL PROFILE ENTRY		5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
3	WKEND											
SEASONAL PROFILE ENTRY		5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SEASONAL PROFILE SEASONS		283	COOK2_17									
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		5.00	5.00	5.00	5.00	4.99	5.00	5.00	5.00	5.00	5.00	5.00
2	WKNIGHT											
SEASONAL PROFILE ENTRY		5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
3	WKEND											
SEASONAL PROFILE ENTRY		5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS	284 COOK2_18	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1 WKDAY	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
2 WKNIGHT	5.00	5.00	5.00	5.01	5.00	5.00	5.00	5.00
3 WKEND	5.00	5.00	5.00	5.01	5.00	5.00	5.00	5.00
SEASONAL PROFILE SEASONS	284 COOK2_18	8 AUGUST	9 SEPTEMBER	10 OCTOBER	11 NOVEMBER	12 DECEMBER		
SUBPERIODS								
1 WKDAY	5.00	5.00	5.00	5.00	5.00	5.00		
2 WKNIGHT	5.00	5.00	5.00	5.00	5.00	5.00		
3 WKEND	5.00	5.00	5.00	5.00	5.00	5.00		
SEASONAL PROFILE SEASONS	285 COOK2_19	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1 WKDAY	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
2 WKNIGHT	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
3 WKEND	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SEASONAL PROFILE SEASONS	285 COOK2_19	8 AUGUST	9 SEPTEMBER	10 OCTOBER	11 NOVEMBER	12 DECEMBER		
SUBPERIODS								
1 WKDAY	5.00	5.00	5.00	5.00	5.00	4.99		
2 WKNIGHT	5.00	5.00	5.00	5.08	5.00	5.00		
3 WKEND	5.00	5.00	5.00	5.08	5.00	5.00		
SEASONAL PROFILE SEASONS	286 COOK2_20	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1 WKDAY	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
2 WKNIGHT	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
3 WKEND	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SEASONAL PROFILE SEASONS	286 COOK2_20	8 AUGUST	9 SEPTEMBER	10 OCTOBER	11 NOVEMBER	12 DECEMBER		
SUBPERIODS								
1 WKDAY	5.00	5.00	5.00	5.00	5.00	5.00		
2 WKNIGHT	5.00	5.00	5.00	5.00	5.00	5.00		
3 WKEND	5.00	5.00	5.00	5.00	5.00	5.00		
SEASONAL PROFILE SEASONS	290 R_BS_11	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1 WKDAY	5.00	5.00	5.00	5.00	5.00	5.00		
2 WKNIGHT	5.00	5.00	5.00	5.00	5.00	5.00		
3 WKEND	5.00	5.00	5.00	5.00	5.00	5.00		

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.98	0.98	0.98	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.98	0.98	0.98	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
3	WKEND											
	SEASONAL PROFILE ENTRY	0.98	0.98	0.98	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
SEASONAL PROFILE SEASONS		290 R_BS_11										
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	1.00	1.00	1.00
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	1.00	1.00	1.00
3	WKEND											
	SEASONAL PROFILE ENTRY	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	1.00	1.00	1.00
SEASONAL PROFILE SEASONS		291 BIGS_12										
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97
SEASONAL PROFILE SEASONS		291 BIGS_12										
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.97	0.98	0.99	0.98	0.98	0.99	0.99	0.99	0.99	0.99	0.99
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.97	0.98	0.99	0.98	0.98	0.99	0.99	0.99	0.99	0.99	0.99
3	WKEND											
	SEASONAL PROFILE ENTRY	0.97	0.98	0.99	0.98	0.98	0.99	0.99	0.99	0.99	0.99	0.99

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS		293 R_CDI_11													
SUBPERIODS		JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY	
1	WKDAY	0.93	0.93	0.93	0.93	0.92	0.92	0.92	0.92	0.88					
2	WKNIGHT	0.93	0.93	0.93	0.93	0.92	0.92	0.92	0.92	0.88					
3	WKEND	0.93	0.93	0.93	0.93	0.92	0.92	0.92	0.92	0.88					
SEASONAL PROFILE SEASONS		293 R_CDI_11													
SUBPERIODS		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER					
1	WKDAY	0.96	0.97	0.97	1.00	1.00	1.00	1.00	1.00						
2	WKNIGHT	0.96	0.97	0.97	1.00	1.00	1.00	1.00	1.00						
3	WKEND	0.96	0.97	0.97	1.00	1.00	1.00	1.00	1.00						
SEASONAL PROFILE SEASONS		294 R_CDI_12													
SUBPERIODS		JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY	
1	WKDAY	0.99	0.99	1.00	0.97	0.97	0.97	0.98	0.98	1.00					
2	WKNIGHT	0.99	0.99	1.00	0.97	0.97	0.97	0.98	0.98	1.00					
3	WKEND	0.99	0.99	1.00	0.97	0.97	0.97	0.98	0.98	1.00					
SEASONAL PROFILE SEASONS		294 R_CDI_12													
SUBPERIODS		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER					
1	WKDAY	0.99	0.96	0.96	0.96	0.96	0.96	0.96	0.96						
2	WKNIGHT	0.99	0.96	0.96	0.96	0.96	0.96	0.96	0.96						
3	WKEND	0.99	0.96	0.96	0.96	0.96	0.96	0.96	0.96						
SEASONAL PROFILE SEASONS		296 R_CD2_11													
SUBPERIODS		JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY	
1	WKDAY	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	1.00					
2	WKNIGHT	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	1.00					
3	WKEND	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	1.00					
SEASONAL PROFILE SEASONS		296 R_CD2_11													
SUBPERIODS		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER					
1	WKDAY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00						
2	WKNIGHT	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00						
3	WKEND	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00						
SEASONAL PROFILE SEASONS		297 R_CD2_12													
SUBPERIODS		JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY	
1	WKDAY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00						
2	WKNIGHT	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00						
3	WKEND	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00						
SEASONAL PROFILE SEASONS		297 R_CD2_12													
SUBPERIODS		JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY	
1	WKDAY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00						
2	WKNIGHT	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00						
3	WKEND	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00						

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.98	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.99
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.98	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.99
3	WKEND											
	SEASONAL PROFILE ENTRY	0.98	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.99
SEASONAL PROFILE SEASONS												
297 R_CD2_12												
	AUGUST 8	SEPTMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12							
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	WKEND											
	SEASONAL PROFILE ENTRY	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE SEASONS												
300 R_CLR_11												
	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7					
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.79	0.79	0.79	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.93
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.79	0.79	0.79	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.93
3	WKEND											
	SEASONAL PROFILE ENTRY	0.79	0.79	0.79	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.93
SEASONAL PROFILE SEASONS												
300 R_CLR_11												
	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12							
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.94	0.96	0.99	0.94	1.00						
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.94	0.96	0.99	0.94	1.00						
3	WKEND											
	SEASONAL PROFILE ENTRY	0.94	0.96	0.99	0.94	1.00						

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS		301 R_CLR_12						
SUBPERIODS		JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
1	WKDAY	1.00	1.00	1.00	0.99	0.99	0.99	1.00
2	WKNIGHT	1.00	1.00	1.00	0.99	0.99	0.99	1.00
3	WKEND	1.00	1.00	1.00	0.99	0.99	0.99	1.00
SEASONAL PROFILE SEASONS		301 R_CLR_12						
SUBPERIODS		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
1	WKDAY	1.00	1.00	1.00	1.00	0.99		
2	WKNIGHT	1.00	1.00	1.00	1.00	0.99		
3	WKEND	1.00	1.00	1.00	1.00	0.99		
SEASONAL PROFILE SEASONS		303 R_CV3_11						
SUBPERIODS		JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
1	WKDAY	1.00	1.00	1.00	0.99	0.99	0.97	0.99
2	WKNIGHT	1.00	1.00	1.00	0.99	0.99	0.97	0.99
3	WKEND	1.00	1.00	1.00	0.99	0.99	0.97	0.99
SEASONAL PROFILE SEASONS		303 R_CV3_11						
SUBPERIODS		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
1	WKDAY	0.99	0.99	0.99	0.99	1.00		
2	WKNIGHT	0.99	0.99	0.99	0.99	1.00		
3	WKEND	0.99	0.99	0.99	0.99	1.00		
SEASONAL PROFILE SEASONS		304 R_CV3_12						
SUBPERIODS		JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
1	WKDAY	0.98	0.98	0.98	0.97	0.97	0.97	0.99
2	WKNIGHT	0.98	0.98	0.98	0.97	0.97	0.97	0.99
3	WKEND	0.98	0.98	0.98	0.97	0.97	0.97	0.99
SEASONAL PROFILE SEASONS		304 R_CV3_12						
SUBPERIODS		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
1	WKDAY	0.99	0.99	0.99	0.99	1.00		
2	WKNIGHT	0.99	0.99	0.99	0.99	1.00		
3	WKEND	0.99	0.99	0.99	0.99	1.00		
SEASONAL PROFILE SEASONS		306 R_CV5_11						
SUBPERIODS		JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
1	WKDAY							
2	WKNIGHT							
3	WKEND							
SEASONAL PROFILE SEASONS		121						

4-Company Fast Optimization

SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.95	0.95	0.95	0.94	0.92	0.98	0.99				
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.95	0.95	0.95	0.94	0.92	0.98	0.99				
3	Wkend											
	SEASONAL PROFILE ENTRY	0.95	0.95	0.95	0.94	0.92	0.98	0.99				
SEASONAL PROFILE SEASONS		306 R_CV5_11										
		AUGUST	8	SEPTEMBER	9	OCTOBER	10	NOVEMBER	11	DECEMBER	12	
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.99	0.99	0.99	0.99	1.00						
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.99	0.99	0.99	0.99	1.00						
3	Wkend											
	SEASONAL PROFILE ENTRY	0.99	0.99	0.99	0.99	1.00						
SEASONAL PROFILE SEASONS		307 R_CV5_12										
		JANUARY	1	FEBRUARY	2	MARCH	3	APRIL	4	MAY	5	
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	0.97	0.98	0.99	0.96	0.99			
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	0.97	0.98	0.99	0.96	0.99			
3	Wkend											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	0.97	0.98	0.99	0.96	0.99			
SEASONAL PROFILE SEASONS		307 R_CV5_12										
		AUGUST	8	SEPTEMBER	9	OCTOBER	10	NOVEMBER	11	DECEMBER	12	
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.98	1.00	1.00	0.99	1.00						
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.98	1.00	1.00	0.99	1.00						
3	Wkend											
	SEASONAL PROFILE ENTRY	0.98	1.00	1.00	0.99	1.00						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS		309 R_GVL_11											
SUBPERIODS		JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7					
1	WKDAY	0.96	1.00	1.00	1.00	1.00	1.00	0.99					
2	WKNIGHT	0.96	1.00	1.00	1.00	1.00	1.00	0.99					
3	WKEND	0.96	1.00	1.00	1.00	1.00	1.00	0.99					
SEASONAL PROFILE SEASONS		309 R_GVL_11											
SUBPERIODS		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12							
1	WKDAY	0.99	0.99	0.99	0.99	0.99							
2	WKNIGHT	0.99	0.99	0.99	0.99	0.99							
3	WKEND	0.99	0.99	0.99	0.99	0.99							
SEASONAL PROFILE SEASONS		310 R_GVL_12											
SUBPERIODS		JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7					
1	WKDAY	0.95	1.00	1.00	1.00	1.00	1.00	1.00					
2	WKNIGHT	0.95	1.00	1.00	1.00	1.00	1.00	1.00					
3	WKEND	0.95	1.00	1.00	1.00	1.00	1.00	1.00					
SEASONAL PROFILE SEASONS		310 R_GVL_12											
SUBPERIODS		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12							
1	WKDAY	1.00	1.00	1.00	1.00	1.00							
2	WKNIGHT	1.00	1.00	1.00	1.00	1.00							
3	WKEND	1.00	1.00	1.00	1.00	1.00							
SEASONAL PROFILE SEASONS		312 R_GLS_11											
SUBPERIODS		JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7					
1	WKDAY	0.99	0.99	0.99	0.99	0.99	0.99	0.99					
2	WKNIGHT	0.99	0.99	0.99	0.99	0.99	0.99	0.99					
3	WKEND	0.99	0.99	0.99	0.99	0.99	0.99	0.99					
SEASONAL PROFILE SEASONS		312 R_GLS_11											
SUBPERIODS		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12							
1	WKDAY	0.99	0.99	0.99	0.99	1.00							
2	WKNIGHT	0.99	0.99	0.99	0.99	1.00							
3	WKEND	0.99	0.99	0.99	0.99	1.00							
SEASONAL PROFILE SEASONS		313 R_GLS_12											
SUBPERIODS		JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7					
1	WKDAY	0.99	0.99	0.99	0.99	1.00							
2	WKNIGHT	0.99	0.99	0.99	0.99	1.00							
3	WKEND	0.99	0.99	0.99	0.99	1.00							

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.89	0.89	0.89	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.89
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.89	0.89	0.89	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.89
3	WKEND											
SEASONAL PROFILE ENTRY		0.89	0.89	0.89	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.89
SEASONAL PROFILE SEASONS		313 R_GHS_12										
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.90
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.90
3	WKEND											
SEASONAL PROFILE ENTRY		0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.90
SEASONAL PROFILE SEASONS		315 R_MTN_11										
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
3	WKEND											
SEASONAL PROFILE ENTRY		0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
SEASONAL PROFILE SEASONS		315 R_MTN_11										
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.98	0.98	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.98	0.98	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	WKEND											
SEASONAL PROFILE ENTRY		0.98	0.98	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS	316 R_MTN_12	1	2	3	4	5	6	7
SUBPERIODS								
1 WKDAY		0.98	0.94	0.98	0.98	1.00	1.00	1.00
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.98	0.94	0.98	0.98	1.00	1.00	1.00
SEASONAL PROFILE ENTRY								
3 WKEND		0.98	0.94	0.98	0.98	1.00	1.00	1.00
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	316 R_MTN_12	8	9	10	11	12		
SUBPERIODS								
1 WKDAY		0.98	0.97	0.92	0.94	0.98		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.98	0.97	0.92	0.94	0.98		
SEASONAL PROFILE ENTRY								
3 WKEND		0.98	0.97	0.92	0.94	0.98		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	318 R_KMR_11	1	2	3	4	5	6	7
SUBPERIODS								
1 WKDAY		1.00	1.00	1.00	0.99	0.99	0.99	0.97
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	1.00	1.00	0.99	0.99	0.99	0.97
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	0.99	0.99	0.99	0.97
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	319 R_KMR_11	8	9	10	11	12		
SUBPERIODS								
1 WKDAY		0.96	0.96	0.97	0.96	0.97		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.96	0.96	0.97	0.96	0.97		
SEASONAL PROFILE ENTRY								
3 WKEND		0.96	0.96	0.97	0.96	0.97		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	319 R_KMR_12	1	2	3	4	5	6	7
SUBPERIODS								
1 WKDAY		1.00	1.00	1.00	0.99	1.00	0.99	0.99
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	1.00	1.00	0.99	1.00	0.99	0.99
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	0.99	1.00	0.99	0.99
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	319 R_KMR_12	8	9	10	11	12		
SUBPERIODS								
1 WKDAY		0.99	0.99	0.99	0.99	1.00		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.99	0.99	0.99	0.99	1.00		
SEASONAL PROFILE ENTRY								
3 WKEND		0.99	0.99	0.99	0.99	1.00		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	321 R_KWA_11	1	2	3	4	5	6	7
SUBPERIODS								
1 WKDAY		0.99	0.99	0.99	0.99	1.00		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.99	0.99	0.99	0.99	1.00		
SEASONAL PROFILE ENTRY								
3 WKEND		0.99	0.99	0.99	0.99	1.00		
SEASONAL PROFILE ENTRY								

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE SEASONS												
		321	R_KWA_11									
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99
SEASONAL PROFILE SEASONS												
		322	R_KWA_12									
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE SEASONS												
		322	R_KWA_12									
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS		324 R_MIT_11						
SUBPERIODS		JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
1	WKDAY	1.00	0.94	0.97	1.00	0.98	0.98	0.99
2	WKNIGHT	1.00	0.94	0.97	1.00	0.98	0.98	0.99
3	WKEND	1.00	0.94	0.97	1.00	0.98	0.98	0.99
SEASONAL PROFILE SEASONS		324 R_MIT_11						
SUBPERIODS		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
1	WKDAY	0.99	0.98	0.95	0.94	0.96		
2	WKNIGHT	0.99	0.98	0.95	0.94	0.96		
3	WKEND	0.99	0.98	0.95	0.94	0.96		
SEASONAL PROFILE SEASONS		325 R_MIT_12						
SUBPERIODS		JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
1	WKDAY	1.00	0.99	0.96	0.93	0.97	0.99	0.99
2	WKNIGHT	1.00	0.99	0.96	0.93	0.97	0.99	0.99
3	WKEND	1.00	0.99	0.96	0.93	0.97	0.99	0.99
SEASONAL PROFILE SEASONS		325 R_MIT_12						
SUBPERIODS		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
1	WKDAY	0.99	0.99	0.99	1.00	0.98		
2	WKNIGHT	0.99	0.99	0.99	1.00	0.98		
3	WKEND	0.99	0.99	0.99	1.00	0.98		
SEASONAL PROFILE SEASONS		327 MRI-4_11						
SUBPERIODS		JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
1	WKDAY	1.00	0.89	0.89	0.89	0.89	0.89	0.89
2	WKNIGHT	1.00	0.89	0.89	0.89	0.89	0.89	0.89
3	WKEND	1.00	0.89	0.89	0.89	0.89	0.89	0.89
SEASONAL PROFILE SEASONS		327 MRI-4_11						
SUBPERIODS		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
1	WKDAY	0.89	0.89	0.89	0.89	0.89		
2	WKNIGHT	0.89	0.89	0.89	0.89	0.89		
3	WKEND	0.89	0.89	0.89	0.89	0.89		
SEASONAL PROFILE SEASONS		328 MRI-4_12						
SUBPERIODS		JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
1	WKDAY	0.89	0.89	0.89	0.89	0.89	0.89	0.89
2	WKNIGHT	0.89	0.89	0.89	0.89	0.89	0.89	0.89
3	WKEND	0.89	0.89	0.89	0.89	0.89	0.89	0.89
SEASONAL PROFILE SEASONS		127						

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.92	0.88	0.91	0.89	0.89	0.89	0.88			
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.92	0.88	0.91	0.89	0.89	0.89	0.88			
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	0.92	0.88	0.91	0.89	0.89	0.89	0.88			
SEASONAL PROFILE												
328 MRI-4_12												
SEASONS												
AUGUST 8												
SEPTEMBER 9												
OCTOBER 10												
NOVEMBER 11												
DECEMBER 12												
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.88	0.90	0.90	0.89	0.89	0.89	0.89				
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.88	0.90	0.90	0.89	0.89	0.89	0.89				
3	WKEND											
SEASONAL PROFILE ENTRY		0.88	0.90	0.90	0.89	0.89	0.89	0.89				
SEASONAL PROFILE												
330 R_MRS_11												
SEASONS												
JANUARY 1												
FEBRUARY 2												
MARCH 3												
APRIL 4												
MAY 5												
JUNE 6												
JULY 7												
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.99	1.00	0.96	0.98	0.98	0.98	0.99			
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.99	1.00	0.96	0.98	0.98	0.98	0.99			
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	0.99	1.00	0.96	0.98	0.98	0.98	0.99			
SEASONAL PROFILE												
330 R_MRS_11												
SEASONS												
AUGUST 8												
SEPTEMBER 9												
OCTOBER 10												
NOVEMBER 11												
DECEMBER 12												
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.99	0.98	0.98	0.99	0.99	0.99	0.99				
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.99	0.98	0.98	0.99	0.99	0.99	0.99				
3	WKEND											
SEASONAL PROFILE ENTRY		0.99	0.98	0.98	0.99	0.99	0.99	0.99				

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS		331 R_MRS_12						
SUBPERIODS		1	2	3	4	5	6	7
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	1.00	1.00	1.00	0.98	0.98	0.98	0.98
2	WKNIGHT	1.00	1.00	1.00	0.98	0.98	0.98	0.98
3	WKEND	1.00	1.00	1.00	0.98	0.98	0.98	0.98
SEASONAL PROFILE SEASONS		331 R_MRS_12						
SUBPERIODS		8	9	10	11	12		
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
1	WKDAY	0.98	0.98	0.99	0.99	1.00		
2	WKNIGHT	0.98	0.98	0.99	0.99	1.00		
3	WKEND	0.98	0.98	0.99	0.99	1.00		
SEASONAL PROFILE SEASONS		333 SPRN_11						
SUBPERIODS		1	2	3	4	5	6	7
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	0.91	0.91	0.91	0.91	0.91	0.91	1.00
2	WKNIGHT	0.91	0.91	0.91	0.91	0.91	0.91	1.00
3	WKEND	0.91	0.91	0.91	0.91	0.91	0.91	1.00
SEASONAL PROFILE SEASONS		334 SPRN_12						
SUBPERIODS		1	2	3	4	5	6	7
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2	WKNIGHT	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	WKEND	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE SEASONS		334 SPRN_12						
SUBPERIODS		8	9	10	11	12		
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
1	WKDAY	1.00	1.00	1.00	1.00	1.00		
2	WKNIGHT	1.00	1.00	1.00	1.00	1.00		
3	WKEND	1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE SEASONS		337 R_RCK_11						
SUBPERIODS		1	2	3	4	5	6	7
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2	WKNIGHT	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	WKEND	1.00	1.00	1.00	1.00	1.00	1.00	1.00

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.94	1.00	0.99	0.97	0.97	0.94	0.91				
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.94	1.00	0.99	0.97	0.97	0.94	0.91				
3	WKEND											
	SEASONAL PROFILE ENTRY	0.94	1.00	0.99	0.97	0.97	0.94	0.91				
SEASONAL PROFILE SEASONS		337 R_RCK_11										
		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12						
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.91	0.94	0.93	0.93	0.93	0.93					
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.91	0.94	0.93	0.93	0.93	0.93					
3	WKEND											
	SEASONAL PROFILE ENTRY	0.91	0.94	0.93	0.93	0.93	0.93					
SEASONAL PROFILE SEASONS		338 R_RCK_12										
		JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7				
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.96	0.98	0.98	0.92	0.96	0.96	0.97				
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.96	0.98	0.98	0.92	0.96	0.96	0.97				
3	WKEND											
	SEASONAL PROFILE ENTRY	0.96	0.98	0.98	0.92	0.96	0.96	0.97				
SEASONAL PROFILE SEASONS		338 R_RCK_12										
		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12						
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.97	0.96	0.97	0.98	1.00						
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.97	0.96	0.97	0.98	1.00						
3	WKEND											
	SEASONAL PROFILE ENTRY	0.97	0.96	0.97	0.98	1.00						

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS		340 R_TNR_11						
SUBPERIODS		1	2	3	4	5	6	7
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	0.99	0.99	0.99	0.99	0.99	0.99	1.00
2	WKNIGHT	0.99	0.99	0.99	0.99	0.99	0.99	1.00
3	WKEND	0.99	0.99	0.99	0.99	0.99	0.99	1.00
SEASONAL PROFILE SEASONS		340 R_TNR_11						
SUBPERIODS		8	9	10	11	12		
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
1	WKDAY	0.99	0.99	0.98	0.98	0.96		
2	WKNIGHT	0.99	0.99	0.98	0.98	0.96		
3	WKEND	0.99	0.99	0.98	0.98	0.96		
SEASONAL PROFILE SEASONS		341 R_TNR_12						
SUBPERIODS		1	2	3	4	5	6	7
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	0.98	0.97	0.97	0.98	1.00	0.98	0.96
2	WKNIGHT	0.98	0.97	0.97	0.98	1.00	0.98	0.96
3	WKEND	0.98	0.97	0.97	0.98	1.00	0.98	0.96
SEASONAL PROFILE SEASONS		341 R_TNR_12						
SUBPERIODS		8	9	10	11	12		
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
1	WKDAY	0.96	0.98	0.97	0.97	0.97		
2	WKNIGHT	0.96	0.98	0.97	0.97	0.97		
3	WKEND	0.96	0.98	0.97	0.97	0.97		
SEASONAL PROFILE SEASONS		343 R_TC4_11						
SUBPERIODS		1	2	3	4	5	6	7
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	0.91	0.91	0.91	0.89	0.96	0.98	0.98
2	WKNIGHT	0.91	0.91	0.91	0.89	0.96	0.98	0.98
3	WKEND	0.91	0.91	0.91	0.89	0.96	0.98	0.98
SEASONAL PROFILE SEASONS		343 R_TC4_11						
SUBPERIODS		8	9	10	11	12		
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
1	WKDAY	0.97	0.98	0.96	0.96	1.00		
2	WKNIGHT	0.97	0.98	0.96	0.96	1.00		
3	WKEND	0.97	0.98	0.96	0.96	1.00		
SEASONAL PROFILE SEASONS		344 R_TC4_12						
SUBPERIODS		1	2	3	4	5	6	7
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	0.97	0.98	0.96	0.96	1.00		
2	WKNIGHT	0.97	0.98	0.96	0.96	1.00		
3	WKEND	0.97	0.98	0.96	0.96	1.00		

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SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.99	1.00	1.00	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.99	1.00	1.00	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
3	Wkend											
	SEASONAL PROFILE ENTRY	0.99	1.00	1.00	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
SEASONAL PROFILE												
344 R_TC4_12												
SEASONS												
	AUGUST	8	SEPTEMBER	9	OCTOBER	10	NOVEMBER	11	DECEMBER	12		
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.98	0.98	0.98	0.97	0.97	1.00					
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.98	0.98	0.98	0.97	0.97	1.00					
3	Wkend											
	SEASONAL PROFILE ENTRY	0.98	0.98	0.98	0.97	0.97	1.00					
SEASONAL PROFILE												
345 WATR_12												
SEASONS												
	AUGUST	8	SEPTEMBER	9	OCTOBER	10	NOVEMBER	11	DECEMBER	12		
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	1.00	0.97	0.79	0.78	0.79	0.80				
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	1.00	1.00	0.97	0.79	0.78	0.79	0.80				
3	Wkend											
	SEASONAL PROFILE ENTRY	1.00	1.00	0.97	0.79	0.78	0.79	0.80				
SEASONAL PROFILE												
345 WATR_12												
SEASONS												
	AUGUST	8	SEPTEMBER	9	OCTOBER	10	NOVEMBER	11	DECEMBER	12		
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.80	0.81	0.82	0.96	0.99						
2	WKNIGHT											
	SEASONAL PROFILE ENTRY	0.80	0.81	0.82	0.96	0.99						
3	Wkend											
	SEASONAL PROFILE ENTRY	0.80	0.81	0.82	0.96	0.99						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS	346 EMIS_03	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		0.67	0.81	0.92	0.92	0.87	0.93	1.00
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.67	0.81	0.92	0.92	0.87	0.93	1.00
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	346 EMIS_03	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY		0.97	0.76	0.74	0.78	0.81		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.97	0.76	0.74	0.78	0.81		
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	347 EMIS_04	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		0.96	0.92	0.90	0.84	0.80	0.89	0.99
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.96	0.92	0.90	0.84	0.80	0.89	0.99
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	347 EMIS_04	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY		1.00	0.77	0.73	0.77	0.80		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	0.77	0.73	0.77	0.80		
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	348 EMIS_05	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		0.78	0.71	0.85	0.68	0.66	0.79	0.96
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.78	0.71	0.85	0.68	0.66	0.79	0.96
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	348 EMIS_05	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY		0.92	0.81	0.74	0.97	1.00		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.92	0.81	0.74	0.97	1.00		
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	349 EMIS_06	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE ENTRY								

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SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.93	0.91	0.60	0.51	0.63	0.89				
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.93	0.91	0.60	0.51	0.63	0.89				
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE SEASONS		349	EMIS_06									
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.89	0.59	0.65	0.83	0.89						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.89	0.59	0.65	0.83	0.89						
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE SEASONS		350	EMIS_07									
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.93	0.95	0.65	0.56	0.63	0.96				
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.93	0.95	0.65	0.56	0.63	0.96				
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE SEASONS		350	EMIS_07									
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.97	0.63	0.62	0.76	0.84						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.97	0.63	0.62	0.76	0.84						
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS		351 EMIS_08						
SUBPERIODS		1	2	3	4	5	6	7
1	WKDAY	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
	SEASONAL PROFILE ENTRY	1.00	0.92	0.98	0.65	0.50	0.61	0.90
2	WKNIGHT	1.00	0.92	0.98	0.65	0.50	0.61	0.90
	SEASONAL PROFILE ENTRY	1.00	0.92	1.00	1.00	1.00	1.00	1.00
3	WKEND	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE SEASONS		351 EMIS_08						
SUBPERIODS		8	9	10	11	12		
1	WKDAY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
	SEASONAL PROFILE ENTRY	0.90	0.56	0.55	0.68	0.75		
2	WKNIGHT	0.90	0.56	0.55	0.68	0.75		
	SEASONAL PROFILE ENTRY	0.90	0.56	1.00	1.00	1.00		
3	WKEND	1.00	1.00	1.00	1.00	1.00		
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE SEASONS		352 EMIS_09						
SUBPERIODS		1	2	3	4	5	6	7
1	WKDAY	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
	SEASONAL PROFILE ENTRY	0.98	0.92	0.96	0.70	0.55	0.70	1.00
2	WKNIGHT	0.98	0.92	0.96	0.70	0.55	0.70	1.00
	SEASONAL PROFILE ENTRY	0.98	0.92	1.00	1.00	1.00	1.00	1.00
3	WKEND	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE SEASONS		352 EMIS_09						
SUBPERIODS		8	9	10	11	12		
1	WKDAY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
	SEASONAL PROFILE ENTRY	1.00	0.64	0.67	0.80	0.87		
2	WKNIGHT	1.00	0.64	0.67	0.80	0.87		
	SEASONAL PROFILE ENTRY	1.00	0.64	1.00	1.00	1.00		
3	WKEND	1.00	1.00	1.00	1.00	1.00		
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE SEASONS		353 EMIS_10						
SUBPERIODS		1	2	3	4	5	6	7
1	WKDAY	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
	SEASONAL PROFILE ENTRY	1.00	0.94	0.96	0.68	0.53	0.72	1.00
2	WKNIGHT	1.00	0.94	0.96	0.68	0.53	0.72	1.00
	SEASONAL PROFILE ENTRY	1.00	0.94	1.00	1.00	1.00	1.00	1.00
3	WKEND	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE SEASONS		353 EMIS_10						
SUBPERIODS		8	9	10	11	12		
1	WKDAY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
	SEASONAL PROFILE ENTRY	1.00	0.62	0.68	0.81	0.87		
2	WKNIGHT	1.00	0.62	0.68	0.81	0.87		
	SEASONAL PROFILE ENTRY	1.00	0.62	1.00	1.00	1.00		
3	WKEND	1.00	1.00	1.00	1.00	1.00		
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE SEASONS		354 EMIS_11						
SUBPERIODS		1	2	3	4	5	6	7
1	WKDAY	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2	WKNIGHT	1.00	0.62	0.68	0.81	0.87		
	SEASONAL PROFILE ENTRY	1.00	0.62	1.00	1.00	1.00		
3	WKEND	1.00	1.00	1.00	1.00	1.00		
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00		

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SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.99	0.92	0.96	0.71	0.54	0.73	1.00				
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.99	0.92	0.96	0.71	0.54	0.73	1.00				
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE SEASONS		354 EMIS_11										
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER						
		8	9	10	11	12						
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.60	0.66	0.79	0.87						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.60	0.66	0.79	0.87						
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE SEASONS		355 EMIS_12										
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY				
		1	2	3	4	5	6	7				
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.99	0.91	0.96	0.68	0.53	0.73	1.00				
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.99	0.91	0.96	0.68	0.53	0.73	1.00				
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE SEASONS		355 EMIS_12										
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER						
		8	9	10	11	12						
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.98	0.58	0.66	0.78	0.85						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.98	0.58	0.66	0.78	0.85						
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS	356 EMIS_13	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		0.97	0.92	0.95	0.70	0.51	0.66	0.98
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.97	0.92	0.95	0.70	0.51	0.66	0.98
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	356 EMIS_13	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY		1.00	0.62	0.63	0.77	0.85		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	0.62	0.63	0.77	0.85		
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	357 EMIS_14	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		0.99	0.94	0.97	0.71	0.51	0.68	0.99
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.99	0.94	0.97	0.71	0.51	0.68	0.99
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	357 EMIS_14	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY		1.00	0.61	0.63	0.76	0.86		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	0.61	0.63	0.76	0.86		
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	358 CDW_19	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		1.00	0.98	0.93	0.88	0.86	0.87	0.89
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	0.98	0.93	0.88	0.86	0.87	0.89
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	0.98	0.93	0.88	0.86	0.87	0.89
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	358 CDW_19	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY		0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE ENTRY								
3 WKEND		0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	360 AM3_CP11	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY								
SEASONAL PROFILE ENTRY								
2 WKNIGHT								
SEASONAL PROFILE ENTRY								
3 WKEND								
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	360 AM3_CP11	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY								
SEASONAL PROFILE ENTRY								
2 WKNIGHT								
SEASONAL PROFILE ENTRY								
3 WKEND								
SEASONAL PROFILE ENTRY								

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SUBPERIODS												
1	WKDAY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY												
2	WKNIIGHT	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY												
3	WKEND	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY												
SEASONAL PROFILE SEASONS		360 AM3_CFI1										
SUBPERIODS												
1	WKDAY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY												
2	WKNIIGHT	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY												
3	WKEND	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY												
SEASONAL PROFILE SEASONS		361 AM3_CFI2										
SUBPERIODS												
1	WKDAY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY												
2	WKNIIGHT	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY												
3	WKEND	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY												
SEASONAL PROFILE SEASONS		361 AM3_CFI2										
SUBPERIODS												
1	WKDAY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY												
2	WKNIIGHT	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY												
3	WKEND	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY												

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.PARAMETERS.

SEASONAL PROFILE		362 CDW_20						
SEASONS		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
SUBPERIODS								
1	WKDAY	1.00	0.98	0.93	0.88	0.86	0.87	0.89
2	WKNIGHT	1.00	0.98	0.93	0.88	0.86	0.87	0.89
3	WKEND	1.00	0.98	0.93	0.88	0.86	0.87	0.89
SEASONAL PROFILE		362 CDW_20						
SEASONS		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
SUBPERIODS								
1	WKDAY	0.89	0.88	0.89	0.94	0.98		
2	WKNIGHT	0.89	0.88	0.89	0.94	0.98		
3	WKEND	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE		364 DAR_11						
SEASONS		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
SUBPERIODS								
1	WKDAY	0.99	0.99	0.96	0.92	0.91	0.92	0.93
2	WKNIGHT	0.99	0.99	0.96	0.92	0.91	0.92	0.93
3	WKEND	0.99	0.99	0.96	0.92	0.91	0.92	0.93
SEASONAL PROFILE		364 DAR_11						
SEASONS		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
SUBPERIODS								
1	WKDAY	0.94	0.94	0.96	0.96	1.00		
2	WKNIGHT	0.94	0.94	0.96	0.96	1.00		
3	WKEND	0.94	0.94	0.96	0.96	1.00		
SEASONAL PROFILE		365 DAR_12						
SEASONS		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
SUBPERIODS								
1	WKDAY	1.00	1.00	0.97	0.90	0.89	0.90	0.91
2	WKNIGHT	1.00	1.00	0.97	0.90	0.89	0.90	0.91
3	WKEND	1.00	1.00	0.97	0.90	0.89	0.90	0.91
SEASONAL PROFILE		365 DAR_12						
SEASONS		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
SUBPERIODS								
1	WKDAY	0.92	0.92	0.93	0.95	0.99		
2	WKNIGHT	0.92	0.92	0.93	0.95	0.99		
3	WKEND	0.92	0.92	0.93	0.95	0.99		
SEASONAL PROFILE		366 DAR_13						
SEASONS		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
SUBPERIODS								
		1	2	3	4	5	6	7
		0.92	0.92	0.93	0.95	0.99		
		139						

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SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.86	0.85	0.83	0.80	0.80	0.80	0.83	0.86			
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.86	0.85	0.83	0.80	0.80	0.80	0.83	0.86			
3	WKEND											
SEASONAL PROFILE ENTRY		0.86	0.85	0.83	0.80	0.80	0.80	0.83	0.86			
SEASONAL PROFILE SEASONS		366	DAR_13									
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.87	0.88	0.90	0.97	1.00						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.87	0.88	0.90	0.97	1.00						
3	WKEND											
SEASONAL PROFILE ENTRY		0.87	0.88	0.90	0.97	1.00						
SEASONAL PROFILE SEASONS		367	DAR_14									
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.98	0.93	0.88	0.87	0.88	0.88	0.89			
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.98	0.93	0.88	0.87	0.88	0.88	0.89			
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	0.98	0.93	0.88	0.87	0.88	0.88	0.89			
SEASONAL PROFILE SEASONS		367	DAR_14									
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.89	0.88	0.89	0.94	0.98						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.89	0.88	0.89	0.94	0.98						
3	WKEND											
SEASONAL PROFILE ENTRY		0.89	0.88	0.89	0.94	0.98						

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = CAP.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS		368 DAR_15						
SUBPERIODS		1	2	3	4	5	6	7
1 WKDAY		1.00	0.98	0.93	0.88	0.86	0.88	0.89
2 WKNIGHT		1.00	0.98	0.93	0.88	0.86	0.88	0.89
3 WKEND		1.00	0.98	0.93	0.88	0.86	0.88	0.89
SEASONAL PROFILE SEASONS		368 DAR_15						
SUBPERIODS		8	9	10	11	12		
1 WKDAY		0.89	0.88	0.89	0.94	0.98		
2 WKNIGHT		0.89	0.88	0.89	0.94	0.98		
3 WKEND		0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE SEASONS		369 DAR_16						
SUBPERIODS		1	2	3	4	5	6	7
1 WKDAY		1.00	0.98	0.93	0.88	0.86	0.88	0.89
2 WKNIGHT		1.00	0.98	0.93	0.88	0.86	0.88	0.89
3 WKEND		1.00	0.98	0.93	0.88	0.86	0.88	0.89
SEASONAL PROFILE SEASONS		369 DAR_16						
SUBPERIODS		8	9	10	11	12		
1 WKDAY		0.89	0.88	0.89	0.94	0.98		
2 WKNIGHT		0.89	0.88	0.89	0.94	0.98		
3 WKEND		0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE SEASONS		370 DAR_17						
SUBPERIODS		1	2	3	4	5	6	7
1 WKDAY		1.00	0.98	0.93	0.88	0.86	0.88	0.89
2 WKNIGHT		1.00	0.98	0.93	0.88	0.86	0.88	0.89
3 WKEND		1.00	0.98	0.93	0.88	0.86	0.88	0.89
SEASONAL PROFILE SEASONS		370 DAR_17						
SUBPERIODS		8	9	10	11	12		
1 WKDAY		0.89	0.88	0.89	0.94	0.98		
2 WKNIGHT		0.89	0.88	0.89	0.94	0.98		
3 WKEND		0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE SEASONS		371 DAR_18						
SUBPERIODS		1	2	3	4	5	6	7
1 WKDAY		0.89	0.88	0.89	0.94	0.98		
2 WKNIGHT		0.89	0.88	0.89	0.94	0.98		
3 WKEND		0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE SEASONS		371 DAR_18						
SUBPERIODS		8	9	10	11	12		
1 WKDAY		0.89	0.88	0.89	0.94	0.98		
2 WKNIGHT		0.89	0.88	0.89	0.94	0.98		
3 WKEND		0.89	0.88	0.89	0.94	0.98		

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE		373 DAR_20						
SEASONS		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
SUBPERIODS		1	2	3	4	5	6	7
1	WKDAY	1.00	0.98	0.93	0.88	0.86	0.87	0.89
SEASONAL PROFILE ENTRY								
2	WKNIGHT	1.00	0.98	0.93	0.88	0.86	0.87	0.89
SEASONAL PROFILE ENTRY								
3	WKENDD	1.00	0.98	0.93	0.88	0.86	0.87	0.89
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE		373 DAR_20						
SEASONS		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
SUBPERIODS		8	9	10	11	12		
1	WKDAY	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE ENTRY								
2	WKNIGHT	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE ENTRY								
3	WKENDD	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE		374 WTR_13						
SEASONS		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
SUBPERIODS		1	2	3	4	5	6	7
1	WKDAY	0.86	0.85	0.83	0.80	0.80	0.83	0.86
SEASONAL PROFILE ENTRY								
2	WKNIGHT	0.86	0.85	0.83	0.80	0.80	0.83	0.86
SEASONAL PROFILE ENTRY								
3	WKENDD	0.86	0.85	0.83	0.80	0.80	0.83	0.86
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE		374 WTR_13						
SEASONS		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
SUBPERIODS		8	9	10	11	12		
1	WKDAY	0.87	0.88	0.90	0.97	1.00		
SEASONAL PROFILE ENTRY								
2	WKNIGHT	0.87	0.88	0.90	0.97	1.00		
SEASONAL PROFILE ENTRY								
3	WKENDD	0.87	0.88	0.90	0.97	1.00		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE		375 WTR_14						
SEASONS		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
SUBPERIODS		1	2	3	4	5	6	7
1	WKDAY	1.00	0.98	0.93	0.88	0.87	0.88	0.89
SEASONAL PROFILE ENTRY								
2	WKNIGHT	1.00	0.98	0.93	0.88	0.87	0.88	0.89
SEASONAL PROFILE ENTRY								
3	WKENDD	1.00	0.98	0.93	0.88	0.87	0.88	0.89
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE		375 WTR_14						
SEASONS		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
SUBPERIODS		8	9	10	11	12		
1	WKDAY	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE ENTRY								
2	WKNIGHT	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE ENTRY								
3	WKENDD	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE		376 WTR_15						
SEASONS		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
SUBPERIODS		1	2	3	4	5	6	7
1	WKDAY	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE ENTRY								
2	WKNIGHT	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE ENTRY								
3	WKENDD	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE		376 WTR_15						
SEASONS		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
SUBPERIODS		1	2	3	4	5	6	7
1	WKDAY	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE ENTRY								
2	WKNIGHT	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE ENTRY								
3	WKENDD	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE ENTRY								

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE		378 WTR_17						
SEASONS		JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1	WKDAY	1.00	0.98	0.93	0.88	0.86	0.88	0.89
SEASONAL PROFILE ENTRY								
2	WKNIGHT	1.00	0.98	0.93	0.88	0.86	0.88	0.89
SEASONAL PROFILE ENTRY								
3	WKEND	1.00	0.98	0.93	0.88	0.86	0.88	0.89
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE		378 WTR_17						
SEASONS		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1	WKDAY	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE ENTRY								
2	WKNIGHT	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE ENTRY								
3	WKEND	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE		379 WTR_18						
SEASONS		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1	WKDAY	1.00	0.98	0.93	0.88	0.86	0.87	0.89
SEASONAL PROFILE ENTRY								
2	WKNIGHT	1.00	0.98	0.93	0.88	0.86	0.87	0.89
SEASONAL PROFILE ENTRY								
3	WKEND	1.00	0.98	0.93	0.88	0.86	0.87	0.89
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE		379 WTR_18						
SEASONS		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1	WKDAY	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE ENTRY								
2	WKNIGHT	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE ENTRY								
3	WKEND	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE		380 WTR_19						
SEASONS		JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1	WKDAY	1.00	0.98	0.93	0.88	0.86	0.87	0.89
SEASONAL PROFILE ENTRY								
2	WKNIGHT	1.00	0.98	0.93	0.88	0.86	0.87	0.89
SEASONAL PROFILE ENTRY								
3	WKEND	1.00	0.98	0.93	0.88	0.86	0.87	0.89
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE		380 WTR_19						
SEASONS		AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1	WKDAY	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE ENTRY								
2	WKNIGHT	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE ENTRY								
3	WKEND	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE		381 WTR_20						
SEASONS		JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1	WKDAY	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE ENTRY								
2	WKNIGHT	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE ENTRY								
3	WKEND	0.89	0.88	0.89	0.94	0.98		
SEASONAL PROFILE ENTRY								

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SUBPERIODS		381 WTR_20											
SEASONAL PROFILE ENTRY		AUGUST 8 SEPTEMBER 9 OCTOBER 10 NOVEMBER 11 DECEMBER 12											
1 WKDAY	2 WKNTGHT	1	2	3	4	5	6	7	8	9	10	11	12
1	1.00	0.98	0.93	0.88	0.86	0.87	0.89						
2	1.00	0.98	0.93	0.88	0.86	0.87	0.89						
3	1.00	0.98	0.93	0.88	0.86	0.87	0.89						
SEASONAL PROFILE		383 R_AM1_11											
SEASONAL PROFILE ENTRY		JANUARY 1 FEBRUARY 2 MARCH 3 APRIL 4 MAY 5 JUNE 6 JULY 7											
1	0.98	0.98	1.00	1.00	0.97	0.96	0.92						
2	0.98	0.98	1.00	1.00	0.97	0.96	0.92						
3	0.98	0.98	1.00	1.00	0.97	0.96	0.92						
SEASONAL PROFILE		383 R_AM1_11											
SEASONAL PROFILE ENTRY		AUGUST 8 SEPTEMBER 9 OCTOBER 10 NOVEMBER 11 DECEMBER 12											
1	0.89	0.86	0.84	0.84	0.96								
2	0.89	0.86	0.84	0.84	0.96								
3	0.89	0.86	0.84	0.84	0.96								

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS	384 R_AM1_12	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		1.00	0.97	0.97	0.90	0.94	0.95	0.94
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	0.97	0.97	0.90	0.94	0.95	0.94
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	0.97	0.97	0.90	0.94	0.95	0.94
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	384 R_AM1_12	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY		0.95	0.94	0.96	0.96	0.96		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.95	0.94	0.96	0.96	0.96		
SEASONAL PROFILE ENTRY								
3 WKEND		0.95	0.94	0.96	0.96	0.96		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	386 R_AM2_11	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		0.98	0.98	1.00	1.00	0.97	0.96	0.92
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.98	0.98	1.00	1.00	0.97	0.96	0.92
SEASONAL PROFILE ENTRY								
3 WKEND		0.98	0.98	1.00	1.00	0.97	0.96	0.92
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	386 R_AM2_11	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY		0.89	0.86	0.84	0.84	0.96		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.89	0.86	0.84	0.84	0.96		
SEASONAL PROFILE ENTRY								
3 WKEND		0.89	0.86	0.84	0.84	0.96		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	387 R_AM2_12	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		1.00	0.97	0.97	0.90	0.94	0.95	0.94
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	0.97	0.97	0.90	0.94	0.95	0.94
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	0.97	0.97	0.90	0.94	0.95	0.94
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	387 R_AM2_12	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY		0.95	0.94	0.96	0.96	0.96		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.95	0.94	0.96	0.96	0.96		
SEASONAL PROFILE ENTRY								
3 WKEND		0.95	0.94	0.96	0.96	0.96		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	389 R_AM3_11	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY								
SEASONAL PROFILE ENTRY								
2 WKNIGHT								
SEASONAL PROFILE ENTRY								
3 WKEND								
SEASONAL PROFILE ENTRY								

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE SEASONS		396 R_PWS_12										
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER						
		8	9	10	11	12						
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE SEASONS		440 Emis_15										
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY				
		1	2	3	4	5	6	7				
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.95	0.89	0.92	0.67	0.50	0.66	0.96				
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.95	0.89	0.92	0.67	0.50	0.66	0.96				
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	1.00	1.00	1.00				
SEASONAL PROFILE SEASONS		440 Emis_15										
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER						
		8	9	10	11	12						
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.95	0.57	0.61	0.73	1.00						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.95	0.57	0.61	0.73	1.00						
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	1.00						

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS	441 Emts_16	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		1.00	0.92	0.95	0.67	0.49	0.72	0.99
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	0.92	0.95	0.67	0.49	0.72	0.99
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	441 Emts_16	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY		0.99	0.57	0.65	0.78	0.86		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.99	0.57	0.65	0.78	0.86		
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	442 Emts_17	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		1.00	0.90	0.94	0.69	0.48	0.72	0.99
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	0.90	0.94	0.69	0.48	0.72	0.99
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	442 Emts_17	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY		0.97	0.55	0.63	0.76	0.85		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.97	0.55	0.63	0.76	0.85		
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	443 Emts_18	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		0.97	0.94	0.95	0.69	0.69	0.67	0.98
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.97	0.94	0.95	0.69	0.69	0.67	0.98
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	443 Emts_18	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY		1.00	0.61	0.59	0.70	0.79		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	0.61	0.59	0.70	0.79		
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	444 Emts_19	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	444 Emts_19	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY								

4-Company Past Optimization

SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.94	0.85	0.58	0.45	0.59	0.85				
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.94	0.86	0.58	0.45	0.59	0.85				
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE SEASONS												
		444	Emit's_19									
			AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12					
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.85	0.51	0.54	0.70	0.78						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.85	0.51	0.54	0.70	0.78						
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE SEASONS												
		445	Emit's_20									
			JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7			
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.94	0.94	0.64	0.50	0.68	0.97				
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.94	0.94	0.64	0.50	0.68	0.97				
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE SEASONS												
		445	Emit's_20									
			AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12					
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.94	0.56	0.60	0.80	0.94						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.94	0.56	0.60	0.80	0.94						
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.PARAMETERS.

SEASONAL PROFILE													446	Emls_21							
SEASONS																					
SUBPERIODS																					
1 WKDAY														1	2	3	4	5	6	7	
SEASONAL PROFILE ENTRY														1.00	0.94	0.94	0.64	0.50	0.68	0.97	
2 WKNIGHT														1.00	0.94	0.94	0.64	0.50	0.68	0.97	
SEASONAL PROFILE ENTRY														1.00	0.94	1.00	1.00	1.00	1.00	1.00	
3 WKEND														1.00	1.00	1.00	1.00	1.00	1.00	1.00	
SEASONAL PROFILE ENTRY														1.00	1.00	1.00	1.00	1.00	1.00	1.00	
SEASONAL PROFILE													446	Emls_21							
SEASONS																					
SUBPERIODS																					
1 WKDAY														1	2	3	4	5	6	7	
SEASONAL PROFILE ENTRY														0.94	0.56	0.60	0.80	0.94			
2 WKNIGHT														0.94	0.56	0.60	0.80	0.94			
SEASONAL PROFILE ENTRY														0.94	0.56	0.60	0.80	0.94			
3 WKEND														1.00	1.00	1.00	1.00	1.00			
SEASONAL PROFILE ENTRY														1.00	1.00	1.00	1.00	1.00			
SEASONAL PROFILE													447	Emls_22							
SEASONS																					
SUBPERIODS																					
1 WKDAY														1	2	3	4	5	6	7	
SEASONAL PROFILE ENTRY														1.00	0.94	0.94	0.64	0.50	0.68	0.97	
2 WKNIGHT														1.00	0.94	0.94	0.64	0.50	0.68	0.97	
SEASONAL PROFILE ENTRY														1.00	0.94	1.00	1.00	1.00	1.00	1.00	
3 WKEND														1.00	1.00	1.00	1.00	1.00	1.00	1.00	
SEASONAL PROFILE ENTRY														1.00	1.00	1.00	1.00	1.00	1.00	1.00	
SEASONAL PROFILE													448	Emls_23							
SEASONS																					
SUBPERIODS																					
1 WKDAY														1	2	3	4	5	6	7	
SEASONAL PROFILE ENTRY														1.00	0.94	0.94	0.64	0.50	0.46	0.97	
2 WKNIGHT														1.00	0.94	0.94	0.64	0.50	0.46	0.97	
SEASONAL PROFILE ENTRY														1.00	0.94	1.00	1.00	1.00	1.00	1.00	
3 WKEND														1.00	1.00	1.00	1.00	1.00	1.00	1.00	
SEASONAL PROFILE ENTRY														1.00	1.00	1.00	1.00	1.00	1.00	1.00	
SEASONAL PROFILE													448	Emls_23							
SEASONS																					
SUBPERIODS																					
1 WKDAY														1	2	3	4	5	6	7	
SEASONAL PROFILE ENTRY														0.94	0.56	0.60	0.80	0.94			
2 WKNIGHT														0.94	0.56	0.60	0.80	0.94			
SEASONAL PROFILE ENTRY														0.94	0.56	0.60	0.80	0.94			
3 WKEND														1.00	1.00	1.00	1.00	1.00			
SEASONAL PROFILE ENTRY														1.00	1.00	1.00	1.00	1.00			
SEASONAL PROFILE													449	Emls_24							
SEASONS																					
SUBPERIODS																					
1 WKDAY														1	2	3	4	5	6	7	
SEASONAL PROFILE ENTRY														1.00	1.00	1.00	1.00	1.00			
2 WKNIGHT														1.00	1.00	1.00	1.00	1.00			
SEASONAL PROFILE ENTRY														1.00	1.00	1.00	1.00	1.00			
3 WKEND														1.00	1.00	1.00	1.00	1.00			
SEASONAL PROFILE ENTRY														1.00	1.00	1.00	1.00	1.00			

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.94	0.94	0.64	0.50	0.68	0.97				
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.94	0.94	0.64	0.50	0.68	0.97				
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE SEASONS		449	Emitls_24									
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.94	0.56	0.60	0.80	0.94						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.94	0.56	0.60	0.80	0.94						
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE SEASONS		450	Emitls_25									
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.94	0.94	0.64	0.50	0.68	0.97				
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.94	0.94	0.64	0.50	0.68	0.97				
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE SEASONS		450	Emitls_25									
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.94	0.56	0.60	0.80	0.94						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.94	0.56	0.60	0.80	0.94						
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

REP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS	451 Emts_26	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		0.95	0.89	1.00	0.61	0.46	0.64	0.92
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.95	0.89	1.00	0.61	0.46	0.64	0.92
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	451 Emts_26	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY		0.89	0.53	0.57	0.76	0.90		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.89	0.53	0.57	0.76	0.90		
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	452 Emts_27	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		1.00	0.94	0.94	0.64	0.50	0.68	0.97
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	0.94	0.94	0.64	0.50	0.68	0.97
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	452 Emts_27	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY		0.94	0.56	0.60	0.80	0.94		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.94	0.56	0.60	0.80	0.94		
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	453 Emts_28	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		1.00	0.94	0.94	0.64	0.50	0.68	0.97
SEASONAL PROFILE ENTRY								
2 WKNIGHT		1.00	0.94	0.94	0.64	0.50	0.68	0.97
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	453 Emts_28	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY		0.94	0.56	0.60	0.80	0.94		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.94	0.56	0.60	0.80	0.94		
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	454 Emts_29	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		0.94	0.56	0.60	0.80	0.94		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.94	0.56	0.60	0.80	0.94		
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	454 Emts_29	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY		0.94	0.56	0.60	0.80	0.94		
SEASONAL PROFILE ENTRY								
2 WKNIGHT		0.94	0.56	0.60	0.80	0.94		
SEASONAL PROFILE ENTRY								
3 WKEND		1.00	1.00	1.00	1.00	1.00		
SEASONAL PROFILE ENTRY								

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.94	0.94	0.64	0.50	0.68	0.97				
2	WKNIIGHT											
SEASONAL PROFILE ENTRY		1.00	0.94	0.94	0.64	0.50	0.68	0.97				
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	1.00	1.00	1.00				
SEASONAL PROFILE SEASONS		454 Emis_29										
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.94	0.56	0.60	0.80	0.94						
2	WKNIIGHT											
SEASONAL PROFILE ENTRY		0.94	0.56	0.60	0.80	0.94						
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	1.00						
SEASONAL PROFILE SEASONS		455 Emis_30										
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.94	0.94	0.64	0.50	0.68	0.97				
2	WKNIIGHT											
SEASONAL PROFILE ENTRY		1.00	0.94	0.94	0.64	0.50	0.68	0.97				
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	1.00						
SEASONAL PROFILE SEASONS		455 Emis_30										
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.94	0.56	0.60	0.80	0.94						
2	WKNIIGHT											
SEASONAL PROFILE ENTRY		0.94	0.56	0.60	0.80	0.94						
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	1.00	1.00	1.00	1.00						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS	456 Emls_31	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY	1.00	0.94	0.94	0.64	0.50	0.68	0.97	
2 WKNIGHT	1.00	0.94	0.94	0.64	0.50	0.68	0.97	
3 WKEND	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
SEASONAL PROFILE SEASONS	456 Emls_31	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY	0.94	0.56	0.60	0.80	0.94			
2 WKNIGHT	0.94	0.56	0.60	0.80	0.94			
3 WKEND	1.00	1.00	1.00	1.00	1.00			
SEASONAL PROFILE SEASONS	457 Emls_32	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY	1.00	0.94	0.94	0.64	0.50	0.68	0.97	
2 WKNIGHT	1.00	0.94	0.94	0.64	0.50	0.68	0.97	
3 WKEND	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
SEASONAL PROFILE SEASONS	458 Emls_33	AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12		
SUBPERIODS								
1 WKDAY	1.00	0.94	0.94	0.64	0.50	0.68	0.97	
2 WKNIGHT	1.00	0.94	0.94	0.64	0.50	0.68	0.97	
3 WKEND	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
SEASONAL PROFILE SEASONS	459 Emls_34	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7
SUBPERIODS								
1 WKDAY	0.94	0.56	0.60	0.80	0.94			
2 WKNIGHT	0.94	0.56	0.60	0.80	0.94			
3 WKEND	1.00	1.00	1.00	1.00	1.00			
SEASONAL PROFILE SEASONS	459 Emls_34	JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	0.94	0.94	0.64	0.50	0.68	0.97				
2	WKNIIGHT											
	SEASONAL PROFILE ENTRY	1.00	0.94	0.94	0.64	0.50	0.68	0.97				
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	SEASONAL PROFILE SEASONS	459 Emis_34										
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.94	0.56	0.60	0.80	0.94						
2	WKNIIGHT											
	SEASONAL PROFILE ENTRY	0.94	0.56	0.60	0.80	0.94						
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	SEASONAL PROFILE SEASONS	460 Emis_35										
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	1.00	0.94	0.94	0.64	0.50	0.68	0.97				
2	WKNIIGHT											
	SEASONAL PROFILE ENTRY	1.00	0.94	0.94	0.64	0.50	0.68	0.97				
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	SEASONAL PROFILE SEASONS	460 Emis_35										
SUBPERIODS												
1	WKDAY											
	SEASONAL PROFILE ENTRY	0.94	0.56	0.60	0.80	0.94						
2	WKNIIGHT											
	SEASONAL PROFILE ENTRY	0.94	0.56	0.60	0.80	0.94						
3	WKEND											
	SEASONAL PROFILE ENTRY	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE
SEASONS

465 EE_2011

JANUARY 1 FEBRUARY 2 MARCH 3 APRIL 4 MAY 5 JUNE 6 JULY 7

SUBPERIODS

1 WKDAY	0.97	0.76	0.76	0.67	0.63	0.87	0.98
2 WKNIIGHT	0.97	0.76	0.76	0.67	0.63	0.87	0.98
3 WKEND	0.97	0.76	0.76	0.67	0.63	0.87	0.98

SEASONAL PROFILE
SEASONS

465 EE_2011

AUGUST 8 SEPTEMBER 9 OCTOBER 10 NOVEMBER 11 DECEMBER 12

SUBPERIODS

1 WKDAY	1.00	0.70	0.73	0.86	0.90		
2 WKNIIGHT	1.00	0.70	0.73	0.86	0.90		
3 WKEND	1.00	0.70	0.73	0.86	0.90		

SEASONAL PROFILE
SEASONS

466 EE_2012

JANUARY 1 FEBRUARY 2 MARCH 3 APRIL 4 MAY 5 JUNE 6 JULY 7

SUBPERIODS

1 WKDAY	0.98	0.75	0.76	0.67	0.67	0.96	1.00
2 WKNIIGHT	0.98	0.75	0.76	0.67	0.67	0.96	1.00
3 WKEND	0.98	0.75	0.76	0.67	0.67	0.96	1.00

SEASONAL PROFILE
SEASONS

466 EE_2012

AUGUST 8 SEPTEMBER 9 OCTOBER 10 NOVEMBER 11 DECEMBER 12

SUBPERIODS

1 WKDAY	0.94	0.74	0.71	0.83	0.97		
2 WKNIIGHT	0.94	0.74	0.71	0.83	0.97		
3 WKEND	0.94	0.74	0.71	0.83	0.97		

SEASONAL PROFILE
SEASONS

467 EE_2013

JANUARY 1 FEBRUARY 2 MARCH 3 APRIL 4 MAY 5 JUNE 6 JULY 7

SUBPERIODS

1 WKDAY	0.86	0.73	0.69	0.61	0.56	0.82	0.99
2 WKNIIGHT	0.86	0.73	0.69	0.61	0.56	0.82	0.99
3 WKEND	0.86	0.73	0.69	0.61	0.56	0.82	0.99

SEASONAL PROFILE
SEASONS

467 EE_2013

AUGUST 8 SEPTEMBER 9 OCTOBER 10 NOVEMBER 11 DECEMBER 12

SUBPERIODS

1 WKDAY	1.00	0.88	0.64	0.81	0.86		
2 WKNIIGHT	1.00	0.88	0.64	0.81	0.86		
3 WKEND	1.00	0.88	0.64	0.81	0.86		

SEASONAL PROFILE
SEASONS

468 EE_2014

JANUARY 1 FEBRUARY 2 MARCH 3 APRIL 4 MAY 5 JUNE 6 JULY 7

4-Company East Optimization

SUBPERIODS												
SEASONAL PROFILE ENTRY												
1	WKDAY		0.80	0.68	0.64	0.56	0.54	0.83	0.88			
SEASONAL PROFILE ENTRY												
2	WKNIGHT		0.80	0.68	0.64	0.56	0.54	0.83	0.88			
SEASONAL PROFILE ENTRY												
3	WKEND		0.80	0.68	0.64	0.56	0.54	0.83	0.88			
SEASONAL PROFILE ENTRY												
SEASONAL PROFILE SEASONS												
		468 EE_2014										
SUBPERIODS												
SEASONAL PROFILE ENTRY												
1	WKDAY		1.00	0.73	0.61	0.78	0.82					
SEASONAL PROFILE ENTRY												
2	WKNIGHT		1.00	0.73	0.61	0.78	0.82					
SEASONAL PROFILE ENTRY												
3	WKEND		1.00	0.73	0.61	0.78	0.82					
SEASONAL PROFILE ENTRY												
SEASONAL PROFILE SEASONS												
		469 EE_2015										
SUBPERIODS												
SEASONAL PROFILE ENTRY												
1	WKDAY		0.82	0.66	0.62	0.52	0.52	0.78	0.85			
SEASONAL PROFILE ENTRY												
2	WKNIGHT		0.82	0.66	0.62	0.52	0.52	0.78	0.85			
SEASONAL PROFILE ENTRY												
3	WKEND		0.82	0.66	0.62	0.52	0.52	0.78	0.85			
SEASONAL PROFILE ENTRY												
SEASONAL PROFILE SEASONS												
		469 EE_2015										
SUBPERIODS												
SEASONAL PROFILE ENTRY												
1	WKDAY		1.00	0.69	0.56	0.74	0.79					
SEASONAL PROFILE ENTRY												
2	WKNIGHT		1.00	0.69	0.56	0.74	0.79					
SEASONAL PROFILE ENTRY												
3	WKEND		1.00	0.69	0.56	0.74	0.79					
SEASONAL PROFILE ENTRY												

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE 470 EE_2016

SEASONS	1	2	3	4	5	6	7
1 WKDAY							
SEASONAL PROFILE ENTRY	0.83	0.67	0.65	0.53	0.53	0.82	0.94
2 WKNIGHT							
SEASONAL PROFILE ENTRY	0.83	0.67	0.65	0.53	0.53	0.82	0.94
3 WKEND							
SEASONAL PROFILE ENTRY	0.83	0.67	0.65	0.53	0.53	0.82	0.94

SEASONAL PROFILE 470 EE_2016

SEASONS	8	9	10	11	12
1 WKDAY					
SEASONAL PROFILE ENTRY	1.00	0.68	0.61	0.77	0.81
2 WKNIGHT					
SEASONAL PROFILE ENTRY	1.00	0.68	0.61	0.77	0.81
3 WKEND					
SEASONAL PROFILE ENTRY	1.00	0.68	0.61	0.77	0.81

SEASONAL PROFILE 471 EE_2017

SEASONS	1	2	3	4	5	6	7
1 WKDAY							
SEASONAL PROFILE ENTRY	0.84	0.72	0.69	0.58	0.61	0.92	1.00
2 WKNIGHT							
SEASONAL PROFILE ENTRY	0.84	0.72	0.69	0.58	0.61	0.92	1.00
3 WKEND							
SEASONAL PROFILE ENTRY	0.84	0.72	0.69	0.58	0.61	0.92	1.00

SEASONAL PROFILE 471 EE_2017

SEASONS	8	9	10	11	12
1 WKDAY					
SEASONAL PROFILE ENTRY	0.98	0.70	0.70	0.81	0.83
2 WKNIGHT					
SEASONAL PROFILE ENTRY	0.98	0.70	0.70	0.81	0.83
3 WKEND					
SEASONAL PROFILE ENTRY	0.98	0.70	0.70	0.81	0.83

SEASONAL PROFILE 472 EE_2018

SEASONS	1	2	3	4	5	6	7
1 WKDAY							
SEASONAL PROFILE ENTRY	0.79	0.69	0.62	0.56	0.57	0.81	0.95
2 WKNIGHT							
SEASONAL PROFILE ENTRY	0.79	0.69	0.62	0.56	0.57	0.81	0.95
3 WKEND							
SEASONAL PROFILE ENTRY	0.79	0.69	0.62	0.56	0.57	0.81	0.95

SEASONAL PROFILE 472 EE_2018

SEASONS	8	9	10	11	12
1 WKDAY					
SEASONAL PROFILE ENTRY	1.00	0.73	0.65	0.71	0.85
2 WKNIGHT					
SEASONAL PROFILE ENTRY	1.00	0.73	0.65	0.71	0.85
3 WKEND					
SEASONAL PROFILE ENTRY	1.00	0.73	0.65	0.71	0.85

SEASONAL PROFILE 473 EE_2019

SEASONS	1	2	3	4	5	6	7
1 WKDAY							
SEASONAL PROFILE ENTRY	1.61						

4-Company East Optimization.

SUBPERIODS												
1	WKDAY	SEASONAL PROFILE ENTRY	0.80	0.69	0.64	0.55	0.53	0.82	0.98			
2	WKNIGHT	SEASONAL PROFILE ENTRY	0.80	0.69	0.64	0.55	0.53	0.82	0.98			
3	WKEND	SEASONAL PROFILE ENTRY	0.80	0.69	0.64	0.55	0.53	0.82	0.98			
SEASONAL PROFILE SEASONS			473 BE_2019									
SUBPERIODS												
1	WKDAY	SEASONAL PROFILE ENTRY	1.00	0.71	0.62	0.75	0.83					
2	WKNIGHT	SEASONAL PROFILE ENTRY	1.00	0.71	0.62	0.75	0.83					
3	WKEND	SEASONAL PROFILE ENTRY	1.00	0.71	0.62	0.75	0.83					
SEASONAL PROFILE SEASONS			474 BE_2020									
SUBPERIODS												
1	WKDAY	SEASONAL PROFILE ENTRY	0.76	0.65	0.60	0.52	0.51	0.83	0.90			
2	WKNIGHT	SEASONAL PROFILE ENTRY	0.76	0.65	0.60	0.52	0.51	0.83	0.90			
3	WKEND	SEASONAL PROFILE ENTRY	0.76	0.65	0.60	0.52	0.51	0.83	0.90			
SEASONAL PROFILE SEASONS			474 BE_2020									
SUBPERIODS												
1	WKDAY	SEASONAL PROFILE ENTRY	1.00	0.67	0.59	0.73	0.78					
2	WKNIGHT	SEASONAL PROFILE ENTRY	1.00	0.67	0.59	0.73	0.78					
3	WKEND	SEASONAL PROFILE ENTRY	1.00	0.67	0.59	0.73	0.78					
SEASONAL PROFILE SEASONS			474 BE_2020									
SUBPERIODS												
			AUGUST 8	SEPTEMBER 9	OCTOBER 10	NOVEMBER 11	DECEMBER 12					
			JANUARY 1	FEBRUARY 2	MARCH 3	APRIL 4	MAY 5	JUNE 6	JULY 7			

4-Company East Optimization

SUBPERIODS																			
1	WKDAY																		
SEASONAL PROFILE ENTRY		0.74	0.67	0.62	0.53	0.52	0.80	0.95											
2	WKNIGHT																		
SEASONAL PROFILE ENTRY		0.74	0.67	0.62	0.53	0.52	0.80	0.95											
3	WKEND																		
SEASONAL PROFILE ENTRY		0.74	0.67	0.62	0.53	0.52	0.80	0.95											
SEASONAL PROFILE SEASONS		478	EE_2024																
SUBPERIODS																			
1	WKDAY																		
SEASONAL PROFILE ENTRY		1.00	0.73	0.60	0.74	0.77													
2	WKNIGHT																		
SEASONAL PROFILE ENTRY		1.00	0.73	0.60	0.74	0.77													
3	WKEND																		
SEASONAL PROFILE ENTRY		1.00	0.73	0.60	0.74	0.77													
SEASONAL PROFILE SEASONS		479	EE_2025																
SUBPERIODS																			
1	WKDAY																		
SEASONAL PROFILE ENTRY		0.74	0.66	0.62	0.53	0.52	0.79	0.93											
2	WKNIGHT																		
SEASONAL PROFILE ENTRY		0.74	0.66	0.62	0.53	0.52	0.79	0.93											
3	WKEND																		
SEASONAL PROFILE ENTRY		0.74	0.66	0.62	0.53	0.52	0.79	0.93											
SEASONAL PROFILE SEASONS		479	EE_2025																
SUBPERIODS																			
1	WKDAY																		
SEASONAL PROFILE ENTRY		1.00	0.73	0.60	0.74	0.77													
2	WKNIGHT																		
SEASONAL PROFILE ENTRY		1.00	0.73	0.60	0.74	0.77													
3	WKEND																		
SEASONAL PROFILE ENTRY		1.00	0.73	0.60	0.74	0.77													

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE		480 EE_2026						
SEASONS		1	2	3	4	5	6	7
SUBPERIODS		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	0.75	0.67	0.62	0.53	0.52	0.81	0.95
2	WKNIGHT	0.75	0.67	0.62	0.53	0.52	0.81	0.95
3	WKEND	0.75	0.67	0.62	0.53	0.52	0.81	0.95
SEASONAL PROFILE		480 EE_2026						
SEASONS		8	9	10	11	12		
SUBPERIODS		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
1	WKDAY	1.00	0.72	0.60	0.75	0.78		
2	WKNIGHT	1.00	0.72	0.60	0.75	0.78		
3	WKEND	1.00	0.72	0.60	0.75	0.78		
SEASONAL PROFILE		481 EE_2027						
SEASONS		1	2	3	4	5	6	7
SUBPERIODS		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	0.75	0.67	0.62	0.53	0.52	0.81	0.94
2	WKNIGHT	0.75	0.67	0.62	0.53	0.52	0.81	0.94
3	WKEND	0.75	0.67	0.62	0.53	0.52	0.81	0.94
SEASONAL PROFILE		481 EE_2027						
SEASONS		8	9	10	11	12		
SUBPERIODS		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
1	WKDAY	1.00	0.71	0.60	0.75	0.78		
2	WKNIGHT	1.00	0.71	0.60	0.75	0.78		
3	WKEND	1.00	0.71	0.60	0.75	0.78		
SEASONAL PROFILE		482 EE_2028						
SEASONS		1	2	3	4	5	6	7
SUBPERIODS		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	0.75	0.67	0.62	0.54	0.53	0.87	1.00
2	WKNIGHT	0.75	0.67	0.62	0.54	0.53	0.87	1.00
3	WKEND	0.75	0.67	0.62	0.54	0.53	0.87	1.00
SEASONAL PROFILE		482 EE_2028						
SEASONS		8	9	10	11	12		
SUBPERIODS		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
1	WKDAY	0.99	0.69	0.61	0.76	0.80		
2	WKNIGHT	0.99	0.69	0.61	0.76	0.80		
3	WKEND	0.99	0.69	0.61	0.76	0.80		
SEASONAL PROFILE		483 EE_2029						
SEASONS		1	2	3	4	5	6	7
SUBPERIODS		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1	WKDAY	0.99	0.69	0.61	0.76	0.80		
2	WKNIGHT	0.99	0.69	0.61	0.76	0.80		
3	WKEND	0.99	0.69	0.61	0.76	0.80		

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.73	0.67	0.62	0.53	0.52	0.78	0.95				
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.73	0.67	0.62	0.53	0.52	0.78	0.95				
3	WKEND											
SEASONAL PROFILE ENTRY		0.73	0.67	0.62	0.53	0.52	0.78	0.95				
SEASONAL PROFILE SEASONS		483	EE_2029									
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.73	0.60	0.73	0.77						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.73	0.60	0.73	0.77						
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	0.73	0.60	0.73	0.77						
SEASONAL PROFILE SEASONS		484	EE_2030									
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.75	0.68	0.63	0.54	0.52	0.80	0.97				
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.75	0.68	0.63	0.54	0.52	0.80	0.97				
3	WKEND											
SEASONAL PROFILE ENTRY		0.75	0.68	0.63	0.54	0.52	0.80	0.97				
SEASONAL PROFILE SEASONS		484	EE_2030									
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.74	0.60	0.75	0.78						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.74	0.60	0.75	0.78						
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	0.74	0.60	0.75	0.78						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.PARAMETERS.

SEASONAL PROFILE 485 EE_2031

SEASONS JANUARY 1 FEBRUARY 2 MARCH 3 APRIL 4 MAY 5 JUNE 6 JULY 7

SUBPERIODS
1 WKDAY SEASONAL PROFILE ENTRY 0.75 0.68 0.63 0.54 0.52 0.79 0.97
2 WKNIGHT SEASONAL PROFILE ENTRY 0.75 0.68 0.63 0.54 0.52 0.79 0.97
3 WKEND SEASONAL PROFILE ENTRY 0.75 0.68 0.63 0.54 0.52 0.79 0.97

SEASONAL PROFILE 485 EE_2031

SEASONS AUGUST 8 SEPTEMBER 9 OCTOBER 10 NOVEMBER 11 DECEMBER 12

SUBPERIODS
1 WKDAY SEASONAL PROFILE ENTRY 1.00 0.75 0.60 0.75 0.78
2 WKNIGHT SEASONAL PROFILE ENTRY 1.00 0.75 0.60 0.75 0.78
3 WKEND SEASONAL PROFILE ENTRY 1.00 0.75 0.60 0.75 0.78

SEASONAL PROFILE 486 EE_2032

SEASONS JANUARY 1 FEBRUARY 2 MARCH 3 APRIL 4 MAY 5 JUNE 6 JULY 7

SUBPERIODS
1 WKDAY SEASONAL PROFILE ENTRY 0.75 0.68 0.63 0.54 0.53 0.79 0.98
2 WKNIGHT SEASONAL PROFILE ENTRY 0.75 0.68 0.63 0.54 0.53 0.79 0.98
3 WKEND SEASONAL PROFILE ENTRY 0.75 0.68 0.63 0.54 0.53 0.79 0.98

SEASONAL PROFILE 486 EE_2032

SEASONS AUGUST 8 SEPTEMBER 9 OCTOBER 10 NOVEMBER 11 DECEMBER 12

SUBPERIODS
1 WKDAY SEASONAL PROFILE ENTRY 1.00 0.76 0.60 0.75 0.78
2 WKNIGHT SEASONAL PROFILE ENTRY 1.00 0.76 0.60 0.75 0.78
3 WKEND SEASONAL PROFILE ENTRY 1.00 0.76 0.60 0.75 0.78

SEASONAL PROFILE 487 EE_2033

SEASONS JANUARY 1 FEBRUARY 2 MARCH 3 APRIL 4 MAY 5 JUNE 6 JULY 7

SUBPERIODS
1 WKDAY SEASONAL PROFILE ENTRY 0.75 0.68 0.63 0.54 0.52 0.77 0.98
2 WKNIGHT SEASONAL PROFILE ENTRY 0.75 0.68 0.63 0.54 0.52 0.77 0.98
3 WKEND SEASONAL PROFILE ENTRY 0.75 0.68 0.63 0.54 0.52 0.77 0.98

SEASONAL PROFILE 487 EE_2033

SEASONS AUGUST 8 SEPTEMBER 9 OCTOBER 10 NOVEMBER 11 DECEMBER 12

SUBPERIODS
1 WKDAY SEASONAL PROFILE ENTRY 1.00 0.77 0.60 0.74 0.77
2 WKNIGHT SEASONAL PROFILE ENTRY 1.00 0.77 0.60 0.74 0.77
3 WKEND SEASONAL PROFILE ENTRY 1.00 0.77 0.60 0.74 0.77

SEASONAL PROFILE 488 EE_2034

SEASONS JANUARY 1 FEBRUARY 2 MARCH 3 APRIL 4 MAY 5 JUNE 6 JULY 7

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SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.75	0.68	0.63	0.54	0.52	0.77	0.98				
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.75	0.68	0.63	0.54	0.52	0.77	0.98				
3	WKEND											
SEASONAL PROFILE ENTRY		0.75	0.68	0.63	0.54	0.52	0.77	0.98				
SEASONAL PROFILE												
488 BE_2034												
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.78	0.60	0.75	0.77						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.78	0.60	0.75	0.77						
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	0.78	0.60	0.75	0.77						
SEASONAL PROFILE												
489 BE_2035												
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.75	0.69	0.63	0.54	0.53	0.77	0.99				
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.75	0.69	0.63	0.54	0.53	0.77	0.99				
3	WKEND											
SEASONAL PROFILE ENTRY		0.75	0.69	0.63	0.54	0.53	0.77	0.99				
SEASONAL PROFILE												
489 BE_2035												
SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.79	0.60	0.75	0.77						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.79	0.60	0.75	0.77						
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	0.79	0.60	0.75	0.77						

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS	490 EE_2036	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1 WKDAY	0.75	0.69	0.64	0.54	0.53	0.76	0.99	
SEASONAL PROFILE ENTRY								
2 WKNIGHT	0.75	0.69	0.64	0.54	0.53	0.76	0.99	
SEASONAL PROFILE ENTRY								
3 WKEND	0.75	0.69	0.64	0.54	0.53	0.76	0.99	
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	490 EE_2036	8 AUGUST	9 SEPTEMBER	10 OCTOBER	11 NOVEMBER	12 DECEMBER		
SUBPERIODS								
1 WKDAY	1.00	0.81	0.59	0.75	0.77			
SEASONAL PROFILE ENTRY								
2 WKNIGHT	1.00	0.81	0.59	0.75	0.77			
SEASONAL PROFILE ENTRY								
3 WKEND	1.00	0.81	0.59	0.75	0.77			
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	491 EE_2037	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1 WKDAY	0.75	0.69	0.64	0.54	0.53	0.75	0.99	
SEASONAL PROFILE ENTRY								
2 WKNIGHT	0.75	0.69	0.64	0.54	0.53	0.75	0.99	
SEASONAL PROFILE ENTRY								
3 WKEND	0.75	0.69	0.64	0.54	0.53	0.75	0.99	
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	492 EE_2038	8 AUGUST	9 SEPTEMBER	10 OCTOBER	11 NOVEMBER	12 DECEMBER		
SUBPERIODS								
1 WKDAY	0.75	0.69	0.64	0.54	0.53	0.75	1.00	
SEASONAL PROFILE ENTRY								
2 WKNIGHT	0.75	0.69	0.64	0.54	0.53	0.75	1.00	
SEASONAL PROFILE ENTRY								
3 WKEND	0.75	0.69	0.64	0.54	0.53	0.75	1.00	
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	492 EE_2038	8 AUGUST	9 SEPTEMBER	10 OCTOBER	11 NOVEMBER	12 DECEMBER		
SUBPERIODS								
1 WKDAY	1.00	0.83	0.59	0.75	0.76			
SEASONAL PROFILE ENTRY								
2 WKNIGHT	1.00	0.83	0.59	0.75	0.76			
SEASONAL PROFILE ENTRY								
3 WKEND	1.00	0.83	0.59	0.75	0.76			
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	493 EE_2039	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1 WKDAY	1.00	0.83	0.59	0.75	0.76			
SEASONAL PROFILE ENTRY								
2 WKNIGHT	1.00	0.83	0.59	0.75	0.76			
SEASONAL PROFILE ENTRY								
3 WKEND	1.00	0.83	0.59	0.75	0.76			
SEASONAL PROFILE ENTRY								
SEASONAL PROFILE SEASONS	493 EE_2039	1 JANUARY	2 FEBRUARY	3 MARCH	4 APRIL	5 MAY	6 JUNE	7 JULY
SUBPERIODS								
1 WKDAY	1.00	0.83	0.59	0.75	0.76			
SEASONAL PROFILE ENTRY								
2 WKNIGHT	1.00	0.83	0.59	0.75	0.76			
SEASONAL PROFILE ENTRY								
3 WKEND	1.00	0.83	0.59	0.75	0.76			
SEASONAL PROFILE ENTRY								

4-Company East Optimization

SUBPERIODS												
1	WKDAY											
SEASONAL PROFILE ENTRY		0.75	0.69	0.64	0.54	0.52	0.74	1.00				
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.75	0.69	0.64	0.54	0.52	0.74	1.00				
3	WKEND											
SEASONAL PROFILE ENTRY		0.75	0.69	0.64	0.54	0.52	0.74	1.00				
SEASONAL PROFILE												
SEASONS												
493 EE_2039												
	AUGUST	8	SEPTEMBER	9	OCTOBER	10	NOVEMBER	11	DECEMBER	12		
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.84	0.59	0.75	0.76						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.84	0.59	0.75	0.76						
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	0.84	0.59	0.75	0.76						
SEASONAL PROFILE												
SEASONS												
494 EE_2040												
	JANUARY	1	FEBRUARY	2	MARCH	3	APRIL	4	MAY	5	JUNE	6
1	WKDAY											
SEASONAL PROFILE ENTRY		0.75	0.69	0.64	0.54	0.52	0.73	1.00				
2	WKNIGHT											
SEASONAL PROFILE ENTRY		0.75	0.69	0.64	0.54	0.52	0.73	1.00				
3	WKEND											
SEASONAL PROFILE ENTRY		0.75	0.69	0.64	0.54	0.52	0.73	1.00				
SEASONAL PROFILE												
SEASONS												
494 EE_2040												
	AUGUST	8	SEPTEMBER	9	OCTOBER	10	NOVEMBER	11	DECEMBER	12		
1	WKDAY											
SEASONAL PROFILE ENTRY		1.00	0.85	0.59	0.75	0.75						
2	WKNIGHT											
SEASONAL PROFILE ENTRY		1.00	0.85	0.59	0.75	0.75						
3	WKEND											
SEASONAL PROFILE ENTRY		1.00	0.85	0.59	0.75	0.75						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.PARAMETERS.

SEASONAL PROFILE SEASONS		749 NOX_11						
SUBPERIODS		1	2	3	4	5	6	7
SEASONAL PROFILE SEASONS		749 NOX_11						
SUBPERIODS		8	9	10	11	12		
1	WKDAY	2800.00	2800.00	2800.00	2800.00	2000.00	2000.00	2000.00
2	WKNIGHT	2800.00	2800.00	2800.00	2800.00	2000.00	2000.00	2000.00
3	WKEND	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE SEASONS		749 NOX_11						
SUBPERIODS		8	9	10	11	12		
1	WKDAY	2000.00	2000.00	2800.00	2800.00	2800.00	2800.00	
2	WKNIGHT	2000.00	2000.00	2800.00	2800.00	2800.00	2800.00	
3	WKEND	1.00	1.00	1.00	1.00	1.00	1.00	
SEASONAL PROFILE SEASONS		750 NOX_12						
SUBPERIODS		1	2	3	4	5	6	7
1	WKDAY	2500.00	2500.00	2500.00	2500.00	2000.00	2000.00	2000.00
2	WKNIGHT	2500.00	2500.00	2500.00	2500.00	2000.00	2000.00	2000.00
3	WKEND	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE SEASONS		750 NOX_12						
SUBPERIODS		8	9	10	11	12		
1	WKDAY	2000.00	2500.00	2500.00	2500.00	2500.00	2500.00	
2	WKNIGHT	2000.00	2500.00	2500.00	2500.00	2500.00	2500.00	
3	WKEND	1.00	1.00	1.00	1.00	1.00	1.00	
SEASONAL PROFILE SEASONS		751 NOX13_14						
SUBPERIODS		1	2	3	4	5	6	7
1	WKDAY	2200.00	2200.00	2200.00	2200.00	2000.00	2000.00	2000.00
2	WKNIGHT	2200.00	2200.00	2200.00	2200.00	2000.00	2000.00	2000.00
3	WKEND	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE SEASONS		751 NOX13_14						
SUBPERIODS		8	9	10	11	12		
1	WKDAY	2000.00	2000.00	2200.00	2200.00	2200.00	2200.00	
2	WKNIGHT	2000.00	2000.00	2200.00	2200.00	2200.00	2200.00	
3	WKEND	1.00	1.00	1.00	1.00	1.00	1.00	
SEASONAL PROFILE SEASONS		752 NOX_15						
SUBPERIODS		1	2	3	4	5	6	7
1	WKDAY	2000.00	2000.00	2200.00	2200.00	2200.00	2200.00	
2	WKNIGHT	2000.00	2000.00	2200.00	2200.00	2200.00	2200.00	
3	WKEND	1.00	1.00	1.00	1.00	1.00	1.00	
SEASONAL PROFILE SEASONS		752 NOX_15						
SUBPERIODS		1	2	3	4	5	6	7
1	WKDAY	2000.00	2000.00	2200.00	2200.00	2200.00	2200.00	
2	WKNIGHT	2000.00	2000.00	2200.00	2200.00	2200.00	2200.00	
3	WKEND	1.00	1.00	1.00	1.00	1.00	1.00	

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SUBPERIODS		752 NOX_15											
		AUGUST	8	9	10	11	12	1	2	3	4	5	6
		8	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	1	2	3	4	5	6	7
1	WKDAY	2300.00	2300.00	2300.00	2300.00	2300.00	2000.00	2000.00	2000.00	2000.00	2000.00	2000.00	2000.00
SEASONAL PROFILE ENTRY													
2	WKNIGHT	2300.00	2300.00	2300.00	2300.00	2000.00	2000.00	2000.00	2000.00	2000.00	2000.00	2000.00	2000.00
SEASONAL PROFILE ENTRY													
3	WKEND	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY													
SEASONAL PROFILE SEASONS													
SUBPERIODS													
1	WKDAY	2000.00	2300.00	2300.00	2300.00	2300.00	2300.00	2300.00	2300.00	2300.00	2300.00	2300.00	2300.00
SEASONAL PROFILE ENTRY													
2	WKNIGHT	2000.00	2300.00	2300.00	2300.00	2300.00	2300.00	2300.00	2300.00	2300.00	2300.00	2300.00	2300.00
SEASONAL PROFILE ENTRY													
3	WKEND	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SEASONAL PROFILE ENTRY													

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.COMPANY.

GENERATING COMPANIES	OPCO+CSP	1	I&M	2	APCO	3	KPCO	4
DEFERRAL CAPACITY SWITCH								
DEFERRAL CAPACITY WEIGHTING		3	3	3	3	3	3	3
EMERGENCY AIR BASIN POINTNER	0.00	1	1	1	1	1	1	1
EMERGENCY AIR BASIN POINTNER		1	1	1	1	1	1	1
ESCALATION DUMP ENERGY PRICE								
ESCALATION EMERGENCY CUST IMPACT								
ESCALATION EMERGENCY DISP COST								
ESCALATION EMERGENCY ENERGY COST								
MARGINAL COST CURVE SELECTION		1	1	1	1	1	1	1

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.COMPANY.

GENERATING COMPANIES	OFCO+HOSP	1	I&M	2	APCO	3	KPCO	4	
									YEAR 2011
CAPABILITY ADJUSTMENT									
COMMITMENT LEVEL	MW	-669.00	-687.00	-347.00	-205.00				
DUMP ENERGY SALE PRICE	\$/MWH	65.00	65.00	65.00	65.00				
EMERGENCY ENERGY COST	\$/MWH	17.48	17.48	17.48	17.48				
EMERGENCY DISPATCH COST	\$/MWH	-1.00	-1.00	-1.00	-1.00				
EMERGENCY DISPATCH PROFILE	\$/MWH	-1.00	-1.00	-1.00	-1.00				
EMERGENCY ENERGY COST	\$/MWH	0	0	0	0				
EMERGENCY ENERGY PROFILE	\$/MWH	88.43	88.43	88.43	88.43				
INTERDUTTABLE LOAD	MW	465	465	465	465				
MAXIMUM SURPLUS CAPACITY	MW	0.00	0.00	0.00	0.00				
PEAK ADJUSTMENT	MW	-1.00	-1.00	-1.00	-1.00				
RELIABILITY TARGET	HOUR/GWR	678.00	-357.00	-1146.00	-310.00				
RESERVE MARGIN TARGET	MW-%	0.00	0.00	0.00	0.00				
SEASONAL RMU PROFILE	MW-%	-12.9999899648	9999899648	9999899648	9999899648				
SPINNING RESERVE REQUIREMENT	8-MW	0	0	0	0				
		4.50	4.50	4.50	4.50				
----- YEAR 2012 -----									
CAPABILITY ADJUSTMENT	MW	-508.00	-35.00	-224.00	-64.00				
DUMP ENERGY SALE PRICE	\$/MWH	17.80	17.80	17.80	17.80				
EMERGENCY ENERGY COST	\$/MWH	92.14	92.14	92.14	92.14				
EMERGENCY ENERGY PROFILE	MW	466	466	466	466				
PEAK ADJUSTMENT	MW	1294.00	-323.00	-954.00	-263.00				
----- YEAR 2013 -----									
CAPABILITY ADJUSTMENT	MW	-857.00	-10.00	219.00	-75.00				
DUMP ENERGY SALE PRICE	\$/MWH	17.93	17.93	17.93	17.93				
EMERGENCY ENERGY COST	\$/MWH	101.97	101.97	101.97	101.97				
EMERGENCY ENERGY PROFILE	MW	467	467	467	467				
PEAK ADJUSTMENT	MW	1395.00	-297.00	-959.00	-255.00				
----- YEAR 2014 -----									
CAPABILITY ADJUSTMENT	MW	-762.00	-54.00	-167.00	-17.00				
DUMP ENERGY SALE PRICE	\$/MWH	18.23	18.23	18.23	18.23				
EMERGENCY ENERGY COST	\$/MWH	108.27	108.27	108.27	108.27				
EMERGENCY ENERGY PROFILE	MW	1174.00	-264.00	-1082.00	-270.00				
PEAK ADJUSTMENT	MW	1119.00	-357.00	-1109.00	-279.00				
----- YEAR 2015 -----									
CAPABILITY ADJUSTMENT	MW	-773.00	163.00	-506.00	-36.00				
DUMP ENERGY SALE PRICE	\$/MWH	18.53	18.53	18.53	18.53				
EMERGENCY ENERGY COST	\$/MWH	119.97	119.97	119.97	119.97				
EMERGENCY ENERGY PROFILE	MW	469	469	469	469				
PEAK ADJUSTMENT	MW	1119.00	-357.00	-1109.00	-279.00				
----- YEAR 2016 -----									
CAPABILITY ADJUSTMENT	MW	-479.00	196.00	-425.00	-17.00				
DUMP ENERGY SALE PRICE	\$/MWH	18.84	18.84	18.84	18.84				
EMERGENCY ENERGY COST	\$/MWH	134.65	134.65	134.65	134.65				
EMERGENCY ENERGY PROFILE	MW	1038.00	-358.00	-1165.00	-296.00				
PEAK ADJUSTMENT	MW	1038.00	-358.00	-1165.00	-296.00				
----- YEAR 2017 -----									
CAPABILITY ADJUSTMENT	MW	-496.00	61.00	-491.00	-18.00				
DUMP ENERGY SALE PRICE	\$/MWH	19.15	19.15	19.15	19.15				
EMERGENCY ENERGY COST	\$/MWH	130.38	130.38	130.38	130.38				
EMERGENCY ENERGY PROFILE	MW	471	471	471	471				
PEAK ADJUSTMENT	MW	976.00	-383.00	-1183.00	-310.00				
----- YEAR 2018 -----									
CAPABILITY ADJUSTMENT	MW	-462.00	59.00	-493.00	-10.00				
DUMP ENERGY SALE PRICE	\$/MWH	19.46	19.46	19.46	19.46				
EMERGENCY ENERGY COST	\$/MWH	137.69	137.69	137.69	137.69				
EMERGENCY ENERGY PROFILE	MW	964.00	-400.00	-1172.00	-311.00				
PEAK ADJUSTMENT	MW	964.00	-400.00	-1172.00	-311.00				
----- YEAR 2019 -----									
CAPABILITY ADJUSTMENT	MW	-268.00	40.00	-493.00	-8.00				
DUMP ENERGY SALE PRICE	\$/MWH	19.79	19.79	19.79	19.79				
EMERGENCY ENERGY COST	\$/MWH	140.70	140.70	140.70	140.70				
EMERGENCY ENERGY PROFILE	MW	473	473	473	473				
PEAK ADJUSTMENT	MW	997.00	-415.00	-1164.00	-307.00				
----- YEAR 2020 -----									
CAPABILITY ADJUSTMENT	MW	-255.00	40.00	-492.00	-4.00				
DUMP ENERGY SALE PRICE	\$/MWH	20.11	20.11	20.11	20.11				
EMERGENCY ENERGY COST	\$/MWH	148.61	148.61	148.61	148.61				
EMERGENCY ENERGY PROFILE	MW	1064.00	-453.00	-1146.00	-302.00				
PEAK ADJUSTMENT	MW	1064.00	-453.00	-1146.00	-302.00				
----- YEAR 2021 -----									
CAPABILITY ADJUSTMENT	MW	-255.00	30.00	-619.00	-4.00				
DUMP ENERGY SALE PRICE	\$/MWH	20.45	20.45	20.45	20.45				
EMERGENCY ENERGY COST	\$/MWH	141.38	141.38	141.38	141.38				
EMERGENCY ENERGY PROFILE	MW	475	475	475	475				
PEAK ADJUSTMENT	MW	1063.00	-506.00	-1147.00	-300.00				
----- YEAR 2022 -----									
CAPABILITY ADJUSTMENT	MW	-442.00	19.00	-495.00	-4.00				
DUMP ENERGY SALE PRICE	\$/MWH	20.79	20.79	20.79	20.79				
EMERGENCY ENERGY COST	\$/MWH	160.73	160.73	160.73	160.73				
EMERGENCY ENERGY PROFILE	MW	1016.00	-553.00	-1135.00	-297.00				
PEAK ADJUSTMENT	MW	1016.00	-553.00	-1135.00	-297.00				

----- YEAR 2023 -----						
CAPABILITY ADJUSTMENT	MW	-262.00	12.00	-495.00	-4.00	
DUMP ENERGY SALE PRICE	\$/MWH	21.13	21.13	21.13	21.13	
EMERGENCY ENERGY COST	\$/MWH	165.14	165.14	165.14	165.14	
EMERGENCY ENERGY PROFILE		477	477	477	477	
PEAK ADJUSTMENT	MW	982.00	-583.00	-1095.00	-294.00	
----- YEAR 2024 -----						
CAPABILITY ADJUSTMENT	MW	-379.00	0.00	-547.00	-4.00	
DUMP ENERGY SALE PRICE	\$/MWH	21.48	21.48	21.48	21.48	
EMERGENCY ENERGY COST	\$/MWH	168.72	168.72	168.72	168.72	
EMERGENCY ENERGY PROFILE		478	478	478	478	
PEAK ADJUSTMENT	MW	953.00	-607.00	-1079.00	-290.00	
----- YEAR 2025 -----						
CAPABILITY ADJUSTMENT	MW	-265.00	-8.00	-489.00	-4.00	
DUMP ENERGY SALE PRICE	\$/MWH	21.84	21.84	21.84	21.84	
EMERGENCY ENERGY COST	\$/MWH	174.95	174.95	174.95	174.95	
EMERGENCY ENERGY PROFILE		479	479	479	479	
PEAK ADJUSTMENT	MW	937.00	-625.00	-1076.00	-287.00	
----- YEAR 2026 -----						
CAPABILITY ADJUSTMENT	MW	-301.00	-27.00	-489.00	-4.00	
DUMP ENERGY SALE PRICE	\$/MWH	22.20	22.20	22.20	22.20	
EMERGENCY ENERGY COST	\$/MWH	172.17	172.17	172.17	172.17	
EMERGENCY ENERGY PROFILE		480	480	480	480	
PEAK ADJUSTMENT	MW	-44.00	-639.00	-1069.00	-285.00	
----- YEAR 2027 -----						
CAPABILITY ADJUSTMENT	MW	-301.00	-33.00	-489.00	-4.00	
DUMP ENERGY SALE PRICE	\$/MWH	22.56	22.56	22.56	22.56	
EMERGENCY ENERGY COST	\$/MWH	176.62	176.62	176.62	176.62	
EMERGENCY ENERGY PROFILE		481	481	481	481	
PEAK ADJUSTMENT	MW	994.00	-647.00	-1059.00	-282.00	
----- YEAR 2028 -----						
CAPABILITY ADJUSTMENT	MW	-301.00	-40.00	-489.00	-4.00	
DUMP ENERGY SALE PRICE	\$/MWH	22.94	22.94	22.94	22.94	
EMERGENCY ENERGY COST	\$/MWH	176.22	176.22	176.22	176.22	
EMERGENCY ENERGY PROFILE		482	482	482	482	
PEAK ADJUSTMENT	MW	987.00	-653.00	-1047.00	-278.00	
----- YEAR 2029 -----						
DUMP ENERGY SALE PRICE	\$/MWH	23.32	23.32	23.32	23.32	
EMERGENCY ENERGY COST	\$/MWH	184.81	184.81	184.81	184.81	
EMERGENCY ENERGY PROFILE		483	483	483	483	
PEAK ADJUSTMENT	MW	993.00	-652.00	-1013.00	-276.00	
----- YEAR 2030 -----						
DUMP ENERGY SALE PRICE	\$/MWH	23.70	23.70	23.70	23.70	
EMERGENCY ENERGY COST	\$/MWH	184.75	184.75	184.75	184.75	
EMERGENCY ENERGY PROFILE		484	484	484	484	
PEAK ADJUSTMENT	MW	1000.00	-650.00	-1006.00	-274.00	
----- YEAR 2031 -----						
DUMP ENERGY SALE PRICE	\$/MWH	24.10	24.10	24.10	24.10	
EMERGENCY ENERGY COST	\$/MWH	188.09	188.09	188.09	188.09	
EMERGENCY ENERGY PROFILE		485	485	485	485	
PEAK ADJUSTMENT	MW	1006.00	-648.00	-1000.00	-271.00	
----- YEAR 2032 -----						
DUMP ENERGY SALE PRICE	\$/MWH	24.50	24.50	24.50	24.50	

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.COMPANY.

GENERATING COMPANIES		OPCO+CSP 1 I&M 2 APCO 3 KPCO 4			
----- YEAR 2032 -----					
EMERGENCY ENERGY COST	\$/MWH	193.08	193.08	193.08	193.08
EMERGENCY ENERGY PROFILE	MW	486	486	486	486
PEAK ADJUSTMENT		1003.00	-645.00	-985.00	-268.00
----- YEAR 2033 -----					
CAPABILITY ADJUSTMENT	MW	-301.00	-40.00	-489.00	-12.00
DUMP ENERGY SALE PRICE	\$/MWH	24.10	24.10	24.10	24.10
EMERGENCY ENERGY COST	\$/MWH	208.03	208.03	208.03	208.03
EMERGENCY ENERGY PROFILE	MW	487	487	487	487
PEAK ADJUSTMENT		1006.00	-645.00	-986.00	-266.00
----- YEAR 2034 -----					
DUMP ENERGY SALE PRICE	\$/MWH	24.50	24.50	24.50	24.50
EMERGENCY ENERGY COST	\$/MWH	226.48	226.48	226.48	226.48
EMERGENCY ENERGY PROFILE	MW	488	488	488	488
PEAK ADJUSTMENT		1011.00	-646.00	-943.00	-263.00
----- YEAR 2035 -----					
CAPABILITY ADJUSTMENT	MW	-296.00	-37.00	-486.00	-8.00
EMERGENCY ENERGY COST	\$/MWH	243.38	243.38	243.38	243.38
EMERGENCY ENERGY PROFILE	MW	489	489	489	489
PEAK ADJUSTMENT		1011.00	-645.00	-938.00	-262.00
----- YEAR 2036 -----					
EMERGENCY ENERGY COST	\$/MWH	261.95	261.95	261.95	261.95
EMERGENCY ENERGY PROFILE	MW	490	490	490	490
PEAK ADJUSTMENT		1018.00	-644.00	-907.00	-251.00
----- YEAR 2037 -----					
EMERGENCY ENERGY COST	\$/MWH	282.74	282.74	282.74	282.74
EMERGENCY ENERGY PROFILE	MW	491	491	491	491
PEAK ADJUSTMENT		1100.00	-646.00	-802.00	-255.00
----- YEAR 2038 -----					
EMERGENCY ENERGY COST	\$/MWH	305.33	305.33	305.33	305.33
EMERGENCY ENERGY PROFILE	MW	492	492	492	492
PEAK ADJUSTMENT		1103.00	-650.00	-793.00	-252.00
----- YEAR 2039 -----					
EMERGENCY ENERGY COST	\$/MWH	329.04	329.04	329.04	329.04
EMERGENCY ENERGY PROFILE	MW	493	493	493	493
PEAK ADJUSTMENT		1102.00	-650.00	-790.00	-251.00
----- YEAR 2040 -----					
EMERGENCY ENERGY COST	\$/MWH	354.85	354.85	354.85	354.85
EMERGENCY ENERGY PROFILE	MW	494	494	494	494
PEAK ADJUSTMENT		1102.00	-690.00	-790.00	-251.00

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.COMPANY.

GENERATING COMPANIES	1	2	3	4
	OPCO+CSP	I&M	APCO	KPCO
EFFLUENT				
1 SO2 (E) EMERGENCY EFFLUENT POINTER	0	0	0	0
2 CO2 (S) EMERGENCY EFFLUENT POINTER	0	0	0	0
3 CO2 (G) EMERGENCY EFFLUENT POINTER	0	0	0	0
4 NOX (E) EMERGENCY EFFLUENT POINTER	0	0	0	0
5 NSR SO2 EMERGENCY EFFLUENT POINTER	0	0	0	0
6 HG (E) EMERGENCY EFFLUENT POINTER	0	0	0	0

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.FUEL.CLASS.

FUEL CLASS	1 COLE	2 GASE	3 NUCL	4 BUCK	5 COLM	6 GASN	7 LIGS
NUCLEAR FUEL FLAG	0	0	1	0	0	0	0
FUEL CLASS	8 OTHR	10 COLA	11 COLC	12 COFI	13 COLK	14 COLO	15 COLP
NUCLEAR FUEL FLAG	0	0	0	0	0	0	0
FUEL CLASS	16 COLS	17 COLX	18 GASP	19 GASS	20 BIOM		
NUCLEAR FUEL FLAG	0	0	0	0	0		

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT
QUALIFIER = GAF.INPUT.FUEL TYPE.

FUEL
 ESCALATION FUEL COST
 ESCALATION REPLACEMENT FUEL
 ESCALATION SEASONAL FIXED COST
 FUEL CLASS
 FUEL ID NUMBER
 FUEL LIMIT SWITCH
 BBL, TONS

AMOS_1	1	AMOS_2	2	AMOS_3	3	BECK_6	4	BIGS_1	5	BIGS_2	6	CARD_1	7
COLA	1	COLA	2	COLO	3	COLC	4	COLK	5	COLK	6	COLK	7
1	1	1	1	1	1	1	1	1	1	1	1	1	1
TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS

FUEL
 ESCALATION FUEL COST
 ESCALATION REPLACEMENT FUEL
 ESCALATION SEASONAL FIXED COST
 FUEL CLASS
 FUEL ID NUMBER
 FUEL LIMIT SWITCH
 BBL, TONS

CARD_2	8	CARD_3	9	CLIF_1	10	CLIF_2	11	CLIF_3	12	CLIF_4	13	CLIF_5	14
COLE	8	COLE	9	OTHR	10	OTHR	11	OTHR	12	OTHR	13	OTHR	14
1	1	1	1	1	1	1	1	1	1	1	1	1	1
TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS

FUEL
 ESCALATION FUEL COST
 ESCALATION REPLACEMENT FUEL
 ESCALATION SEASONAL FIXED COST
 FUEL CLASS
 FUEL ID NUMBER
 FUEL LIMIT SWITCH
 BBL, TONS

CLIF_6	15	CLIN_1	16	CLIN_2	17	CLIN_3	18	CSVL_1	19	CSVL_2	20	CSVL_3	21
OTHR	15	COIA	16	COIA	17	COIA	18	COLC	19	COLC	20	COLC	21
1	1	1	1	1	1	1	1	1	1	1	1	1	1
TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS

FUEL
 ESCALATION FUEL COST
 ESCALATION REPLACEMENT FUEL
 ESCALATION SEASONAL FIXED COST
 FUEL CLASS
 FUEL ID NUMBER
 FUEL LIMIT SWITCH
 BBL, TONS

CSVL_4	22	CSVL_5	23	CSVL_6	24	COOK_1	25	COOK_2	26	GAVT_1	27	GAVT_2	28
COIC	22	COIC	23	COIC	24	NUCL	25	NUCL	26	COLO	27	COLO	28
1	1	1	1	1	1	1	1	1	1	1	1	1	1
TONS	TONS	TONS	TONS	TONS	TONS	GW	TONS	GW	TONS	TONS	TONS	TONS	TONS

FUEL
 ESCALATION FUEL COST
 ESCALATION REPLACEMENT FUEL
 ESCALATION SEASONAL FIXED COST
 FUEL CLASS
 FUEL ID NUMBER
 FUEL LIMIT SWITCH
 BBL, TONS

GLEN_5	29	GLEN_6	30	BS2_4.5	31	BS2_3.0	32	KAMM_1	33	KAMM_2	34	KAMM_3	35
COLA	29	COIA	30	COIK	31	COLK	32	COLO	33	COLO	34	COLO	35
1	1	1	1	1	1	1	1	1	1	1	1	1	1
TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS

FUEL
 ESCALATION FUEL COST
 ESCALATION REPLACEMENT FUEL
 ESCALATION SEASONAL FIXED COST
 FUEL CLASS
 FUEL ID NUMBER
 FUEL LIMIT SWITCH
 BBL, TONS

KANA_1	36	KANA_2	37	KYGE_1	38	KYGE_2	39	KYGE_3	40	KYGE_4	41	KYGE_5	42
COLA	36	COIA	37	OTHR	38	OTHR	39	OTHR	40	OTHR	41	OTHR	42
1	1	1	1	1	1	1	1	1	1	1	1	1	1
TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS

FUEL
 ESCALATION FUEL COST
 ESCALATION REPLACEMENT FUEL
 ESCALATION SEASONAL FIXED COST
 FUEL CLASS
 FUEL ID NUMBER
 FUEL LIMIT SWITCH
 BBL, TONS

MITC_1	43	MITC_2	44	MTNR_6.0	45	MUSK_1	46	MUSK_2	47	MUSK_3	48	MUSK_4	49
COLO	43	COLO	44	COIA	45	COLO	46	COLO	47	COLO	48	COLO	49
1	1	1	1	1	1	1	1	1	1	1	1	1	1
TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS

FUEL
 ESCALATION FUEL COST
 ESCALATION REPLACEMENT FUEL
 ESCALATION SEASONAL FIXED COST
 FUEL CLASS
 FUEL ID NUMBER
 FUEL LIMIT SWITCH
 BBL, TONS

MUSK_5	50	PSPN_1	51	PSPN_2	52	PSPN_3	53	PSPN_4	54	PSPN_5	55	PTCW_5	56
COLO	50	COIA	51	COLO	52	COIA	53	COLO	54	COLO	55	COLC	56
1	1	1	1	1	1	1	1	1	1	1	1	1	1
TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS

FUEL
 ESCALATION FUEL COST
 ESCALATION REPLACEMENT FUEL
 ESCALATION SEASONAL FIXED COST
 FUEL CLASS
 FUEL ID NUMBER
 FUEL LIMIT SWITCH
 BBL, TONS

BS2_1.7	57	ROCK_11M	58	ROCK_21M	59	ROCK_6P	60	STUA_1	61	STUA_2	62	STUA_3	63
COLA	57	COIA	58	COLO	59	COIA	60	COLO	61	COLO	62	COLC	63
1	1	1	1	1	1	1	1	1	1	1	1	1	1
TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS

4-Company East Optimization

ESCALATION FUEL COST
ESCALATION REPLACEMENT FUEL
ESCALATION SEASONAL FIXED COST
FUEL CLASS
FUEL ID NUMBER
FUEL LIMIT SWITCH
FUEL UNIT

BBL, TONS

COLK
57
1
TONS

COLI
58
1
TONS

COLI
59
1
TONS

COLI
60
1
TONS

COLC
61
1
TONS

COLC
62
1
TONS

COLC
63
1
TONS

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.FUEL.TYPE.

FUEL	STUA_4	BS1_CC	TANN_1	TANN_2	TANN_3	TANN_4	ZTMM_1
ESCALATION FUEL COST	64	65	66	67	68	69	70
ESCALATION REPLACEMENT FUEL							
ESCALATION SEASONAL FIXED COST							
FUEL CLASS	COLC	GASE	COLI	COLI	COLI	COLI	COLI
FUEL ID NUMBER	64	65	66	67	68	69	70
FUEL LIMIT SWITCH	1	1	1	1	1	1	1
FUEL UNIT	TONS	MCFP	TONS	TONS	TONS	TONS	TONS
FUEL	TCO_POOL	DOMINON	TCO_DELV	CEREDO	DARBY	DRESDEN	LAWRNG
ESCALATION FUEL COST	71	72	73	74	75	76	77
ESCALATION REPLACEMENT FUEL							
ESCALATION SEASONAL FIXED COST							
FUEL CLASS	GASE	GASE	GASE	GASE	GASE	GASE	GASE
FUEL ID NUMBER	71	72	73	74	75	76	77
FUEL LIMIT SWITCH	1	1	1	1	1	1	1
FUEL UNIT	MCFP	MCFP	MCFP	MCFP	MCFP	MCFP	MCFP
FUEL	ROBMON	WATERFOR	ROCK_5.1	MRS_NGCC	PC_S_NBS	STKR_BIO	MRS_CO
ESCALATION FUEL COST	78	79	80	81	139	140	141
ESCALATION REPLACEMENT FUEL							
ESCALATION SEASONAL FIXED COST							
FUEL CLASS	GASE	GASE	COLI	GASE	COLE	BIDM	BIDM
FUEL ID NUMBER	78	79	80	81	605	606	609
FUEL LIMIT SWITCH	1	1	1	1	1	1	2
FUEL UNIT	MCFP	MCFP	TONS	MCFP	TONS	TONS	TONS
FUEL	AM3_BIO	BS2_SEP	MWTR_BIO	TWR4_SEP	SRT1_SEP	SRT1_BIO	SRT2_SEP
ESCALATION FUEL COST	143	144	146	147	148	149	150
ESCALATION REPLACEMENT FUEL							
ESCALATION SEASONAL FIXED COST							
FUEL CLASS	BIDM	BIDM	BIDM	BIDM	BIDM	BIDM	BIDM
FUEL ID NUMBER	611	612	614	615	616	617	618
FUEL LIMIT SWITCH	2	2	2	2	2	2	2
FUEL UNIT	TONS	TONS	TONS	TONS	TONS	TONS	TONS
FUEL	SRT2_BIO	SRT3_SEP	SRT3_BIO	SRT4_SEP	MRS_SI	RPI_BIO	RP2_BIO
ESCALATION FUEL COST	151	152	153	154	155	156	157
ESCALATION REPLACEMENT FUEL							
ESCALATION SEASONAL FIXED COST							
FUEL CLASS	BIDM	BIDM	BIDM	BIDM	BIDM	BIDM	BIDM
FUEL ID NUMBER	619	620	621	622	623	624	625
FUEL LIMIT SWITCH	2	2	2	2	2	2	2
FUEL UNIT	TONS	TONS	TONS	TONS	TONS	TONS	TONS

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.FUEL TYPE.

FUEL	AMOS_1	AMOS_2	AMOS_3	BECK_6	BIGS_1	BIGS_2	CARD_1
EFFLUENT							
1 SO2 (E)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA							
2 CO2 (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA							
3 CO2 (G)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA							
4 NOX (B)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA							
5 NSR SO2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA							
6 HG (E)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA							

FUEL	CARD_2	CARD_3	CLIF_1	CLIF_2	CLIF_3	CLIF_4	CLIF_5
EFFLUENT							
1 SO2 (E)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA							
2 CO2 (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA							
3 CO2 (G)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA							
4 NOX (B)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA							
5 NSR SO2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA							
6 HG (E)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA							

FUEL	CLIF_6	CLIN_1	CLIN_2	CLIN_3	CSVL_1	CSVL_2	CSVL_3
EFFLUENT							
1 SO2 (E)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA							
2 CO2 (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA							
3 CO2 (G)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA							
4 NOX (B)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA							
5 NSR SO2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA							
6 HG (E)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA							

FUEL	CSVL_4	CSVL_5	CSVL_6	COOK_1	COOK_2	GAVI_1	GAVI_2
EFFLUENT							
1 SO2 (E)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA							
2 CO2 (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA							
3 CO2 (G)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA							
4 NOX (B)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA							
5 NSR SO2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA							
6 HG (E)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA							

FUEL	GLEN_5	GLEN_6	BS2_4.5	BS2_3.0	KAWM_1	KAWM_2	KAWM_3
EFFLUENT							
1 SO2 (E)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA							
2 CO2 (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA							
3 CO2 (G)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA							
4 NOX (B)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA							
5 NSR SO2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA							
6 HG (E)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA							

EFFLUENT													
1	SO2 (E)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
EMISSIONS DATA													
2	CO2 (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
EMISSIONS DATA													
3	CO2 (G)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
EMISSIONS DATA													
4	NOX (B)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
EMISSIONS DATA													
5	NSR SO2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
EMISSIONS DATA													
6	HG (E)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
EMISSIONS DATA													
FUEL													
KANA_1	36	KANA_2	37	KYGE_1	38	KYGE_2	39	KYGE_3	40	KYGE_4	41	KYGE_5	42
EFFLUENT													
1	SO2 (E)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA													
2	CO2 (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA													
3	CO2 (G)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA													
4	NOX (B)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA													
5	NSR SO2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA													
6	HG (E)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA													
FUEL													
MITC_1	43	MITC_2	44	MTNR_6.0	45	MUSK_1	46	MUSK_2	47	MUSK_3	48	MUSK_4	49
EFFLUENT													
1	SO2 (E)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA													
2	CO2 (S)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA													
3	CO2 (G)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA													
4	NOX (B)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA													
5	NSR SO2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA													

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.FUEL TYPE.

FUEL	43	44	45	46	47	48	49
6 HG (E)	MITC_1	MITC_2	MTNR_6.0	MUSK_1	MUSK_2	MUSK_3	MUSK_4
EMISSIONS DATA	0.00	0.00	0.00	0.00	0.00	0.00	0.00

FUEL	50	51	52	53	54	55	56
MUSK_5	PSPN_1	PSPN_2	PSPN_3	PSPN_4	PSPN_5	PICW_5	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	

EFFLUENT	57	58	59	60	61	62	63
1 SO2 (E)	BS2 1.7	ROCK_1IM	ROCK_2IM	ROCK_6P	STVA_1	STVA_2	STVA_3
EMISSIONS DATA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 CO2 (S)							
EMISSIONS DATA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 CO2 (G)							
EMISSIONS DATA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4 NOX (E)							
EMISSIONS DATA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5 NSR SO2							
EMISSIONS DATA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 HG (E)							
EMISSIONS DATA	0.00	0.00	0.00	0.00	0.00	0.00	0.00

FUEL	64	65	66	67	68	69	70
1 SO2 (E)	STVA_4	BS1_CC	TANN_1	TANN_2	TANN_3	TANN_4	ZIMM_1
EMISSIONS DATA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 CO2 (S)							
EMISSIONS DATA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 CO2 (G)							
EMISSIONS DATA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4 NOX (E)							
EMISSIONS DATA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5 NSR SO2							
EMISSIONS DATA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 HG (E)							
EMISSIONS DATA	0.00	0.00	0.00	0.00	0.00	0.00	0.00

EFFLUENT	71	72	73	74	75	76	77
1 SO2 (E)	TCO_POOL	DOMINON	TCO_DELV	CEREDO	DARBY	DRESDEN	LAWRNG
EMISSIONS DATA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 CO2 (S)							
EMISSIONS DATA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 CO2 (G)							
EMISSIONS DATA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4 NOX (E)							
EMISSIONS DATA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5 NSR SO2							
EMISSIONS DATA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 HG (E)							
EMISSIONS DATA	0.00	0.00	0.00	0.00	0.00	0.00	0.00

EFFLUENT	71	72	73	74	75	76	77
1 SO2 (E)	TCO_POOL	DOMINON	TCO_DELV	CEREDO	DARBY	DRESDEN	LAWRNG
EMISSIONS DATA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 CO2 (S)							
EMISSIONS DATA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 CO2 (G)							
EMISSIONS DATA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4 NOX (E)							
EMISSIONS DATA	0.00	0.00	0.00	0.00	0.00	0.00	0.00

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.FUEL TYPE.

FUEL	151	152	153	154	155	156	157
	SRT2_BIO	SRT3_SEP	SRT3_BIO	SRT4_SEP	MRS_SI	RP1_BIO	RP2_BIO
3 CO2 (G) EMISSIONS DATA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4 NOX (B) EMISSIONS DATA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5 MSR SO2 EMISSIONS DATA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 HG (B) EMISSIONS DATA	0.00	0.00	0.00	0.00	0.00	0.00	0.00

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT
QUALIFIER = GAP.INPUT.FUEL TYPE.

GENERATING COMPANIES	OPCO+GSP	1	I&M	2	APCO	3	RFCO	4
FUEL								
1 AMOS_1	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00
2 AMOS_2	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00
3 AMOS_3	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00
4 BECK_6	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00
5 BIGS_1	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00
6 BIGS_2	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00
7 CARD_1	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00
8 CARD_2	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00
9 CARD_3	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00
10 CLIF_1	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00
11 CLIF_2	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00
12 CLIF_3	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00
13 CLIF_4	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00
14 CLIF_5	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00
15 CLIF_6	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00
16 CLIN_1	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00
17 CLIN_2	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00
18 CLIN_3	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00
19 CSVL_1	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00
20 CSVL_2	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00
21 CSVL_3	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00
22 CSVL_4	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00
23 CSVL_5	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00
24 CSVL_6	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00
25 COOK_1	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	1.00	0.00	0.00	0.00	0.00
26 COOK_2	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	1.00	0.00	0.00	0.00	0.00
27 GAVI_1	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00
28 GAVI_2	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00
29 GLEN_5	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00
30 GLEN_6	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00
31 BS2_4.5	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00

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32	BS2 3.0	FIXED FUEL_COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
33	KAMM 1	FIXED FUEL_COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
34	KAMM 2	FIXED FUEL_COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
35	KAMM 3	FIXED FUEL_COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
36	KANA_1	FIXED FUEL_COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
37	KANA_2	FIXED FUEL_COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
38	KYGE 1	FIXED FUEL_COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
39	KYGE 2	FIXED FUEL_COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
40	KYGE 3	FIXED FUEL_COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
41	KYGE 4	FIXED FUEL_COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
42	KYGE 5	FIXED FUEL_COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
43	MITC 1	FIXED FUEL_COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
44	MITC 2	FIXED FUEL_COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
45	MNR_6.0	FIXED FUEL_COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
46	MUSK_1	FIXED FUEL_COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
47	MUSK 2	FIXED FUEL_COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
48	MUSK 3	FIXED FUEL_COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
49	MUSK 4	FIXED FUEL_COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
50	MUSK 5	FIXED FUEL_COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
51	PSPN 1	FIXED FUEL_COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
52	PSPN 2	FIXED FUEL_COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
53	PSPN 3	FIXED FUEL_COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT
QUALIFIER = GAF.INPUT.FUEL TYPE.

FUEL	OPCO+CSP	1	T&M	2	APCO	3	KPCO	4
54	PSPN_4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	PSPN_5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56	PICW_5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57	BS2_1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58	ROCK_11M	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59	ROCK_21M	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	ROCK_6P	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61	STUA_1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62	STUA_2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63	STUA_3	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64	STUA_4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	RS1_CC	0.00	0.00	0.00	0.00	0.00	0.00	0.00
66	TANN_1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67	TANN_2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68	TANN_3	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69	TANN_4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	ZIMM_1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71	TCO_POOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72	DOMINON	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73	TCO_DELIV	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74	CEREDO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	DABBY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76	DRESDEN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77	LAWRNG	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78	ROBMON	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79	WATERPR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	ROCK_5.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81	MRS_NGCC	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82	FIXED FUEL COST OWNERSHIP	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83	FIXED FUEL COST OWNERSHIP	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84	FIXED FUEL COST OWNERSHIP	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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85	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
86	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
87	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
88	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
89	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
90	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
91	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
92	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
93	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
94	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
95	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
96	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
97	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00
98	FIXED FUEL COST OWNERSHIP	FRACTION	0.00	0.00	0.00	0.00

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT
QUALIFIER = GAF.INPUT.FUEL TYPE.

UNIT	TYPE	STATUS	GEN	FUEL	CO2	SO2	NOX	WATER	WIND	SOLAR	OTHER	TOTAL	GEN	FUEL	CO2	SO2	NOX	WATER	WIND	SOLAR	OTHER	TOTAL	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
32	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
33	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
34	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
35	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
36	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
37	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
38	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
39	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
41	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
42	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
43	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
44	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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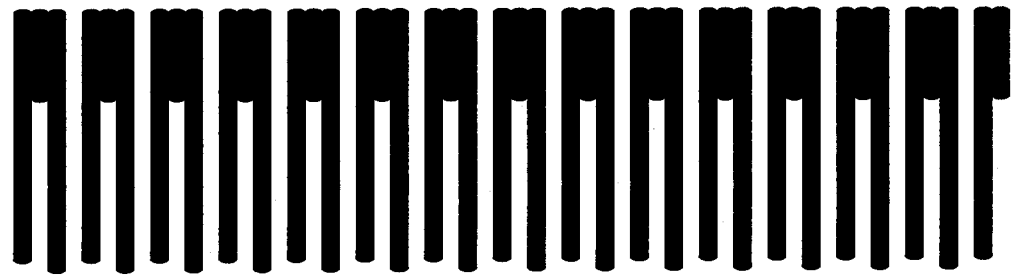
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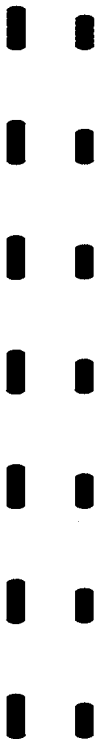
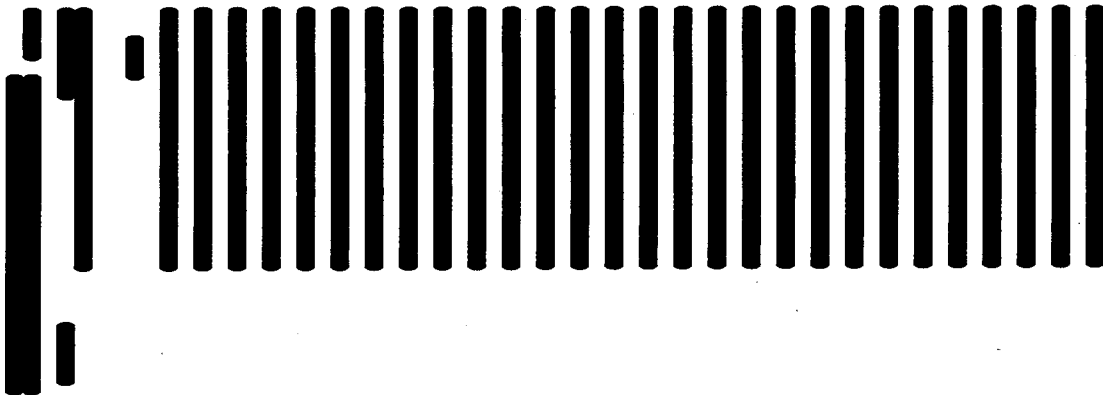
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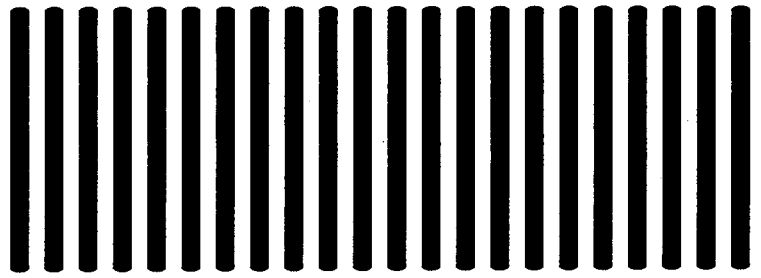
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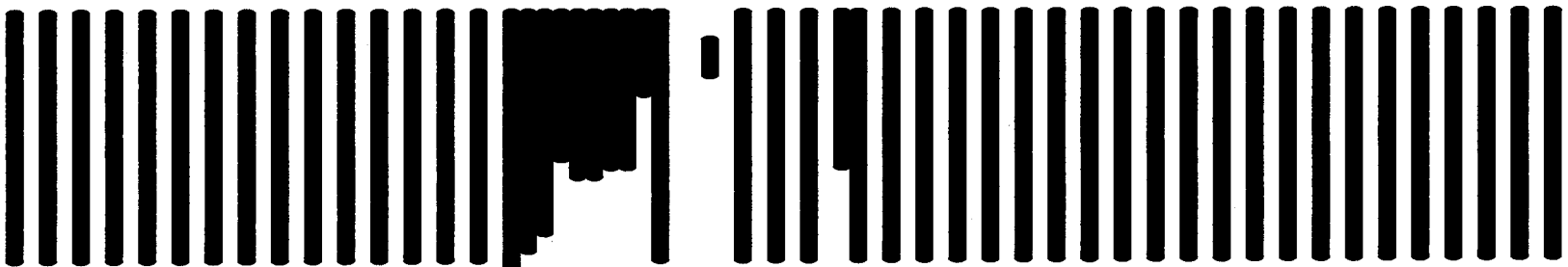
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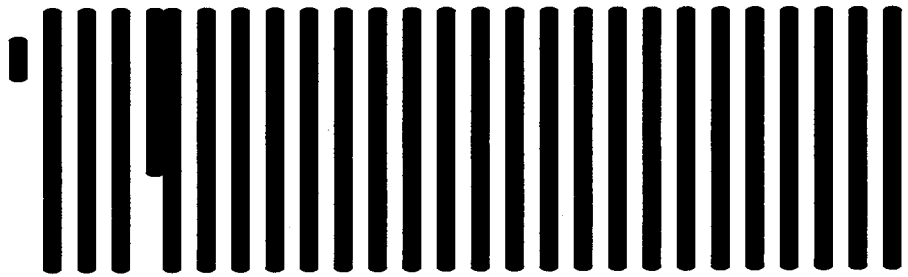
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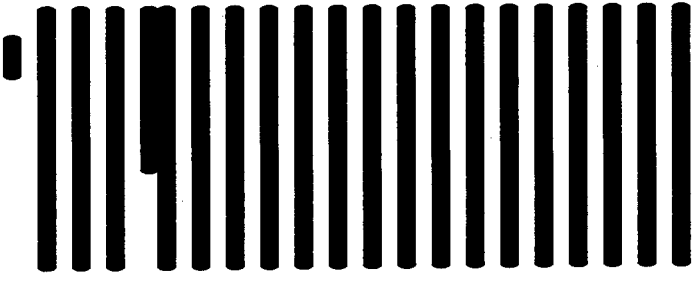
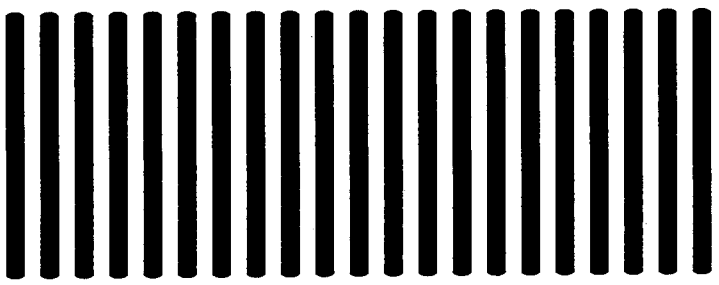
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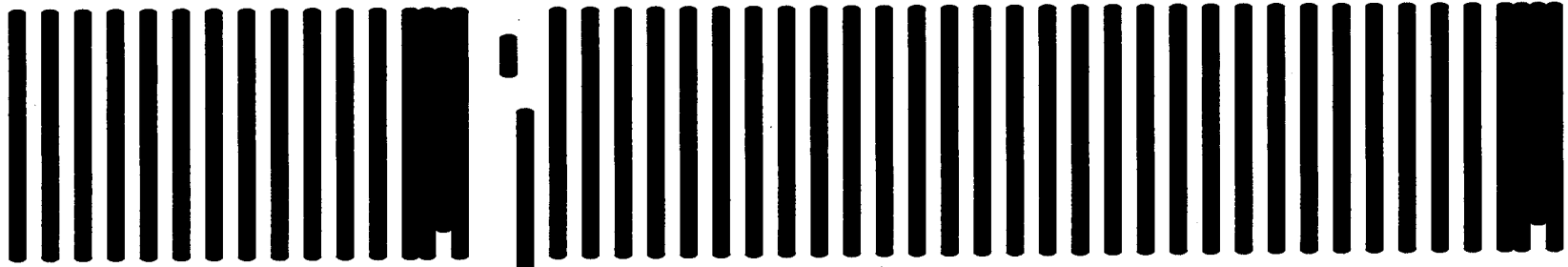
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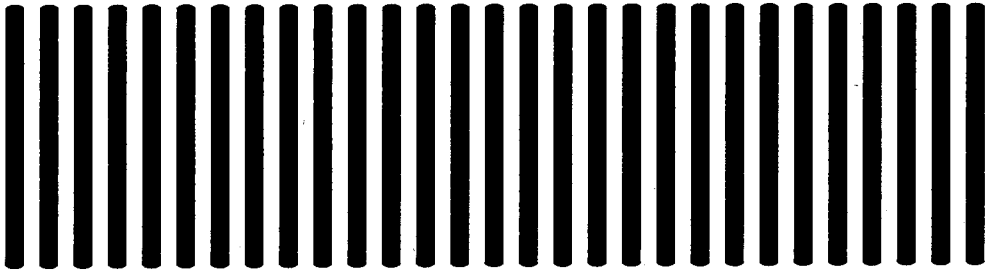
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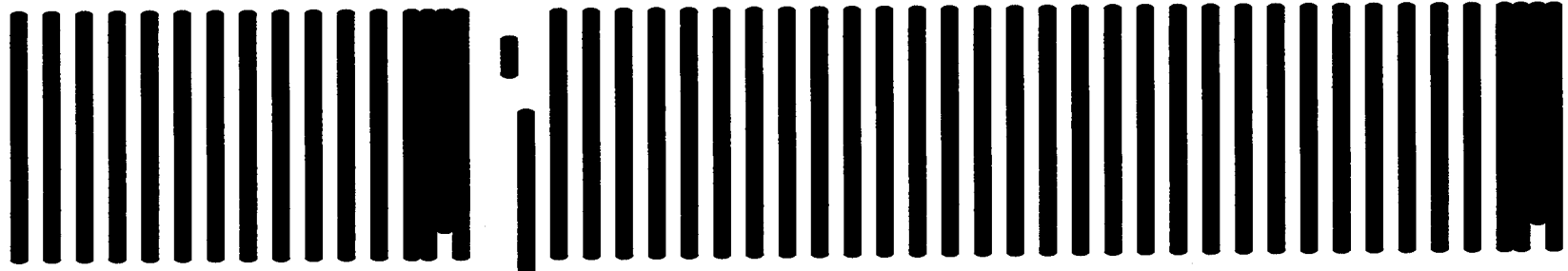
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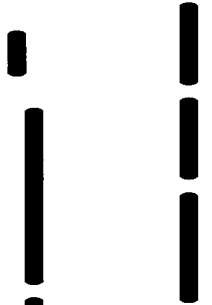
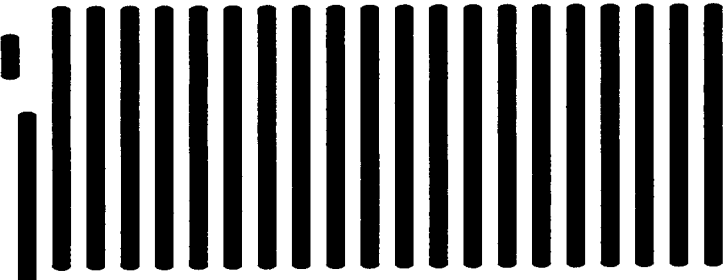
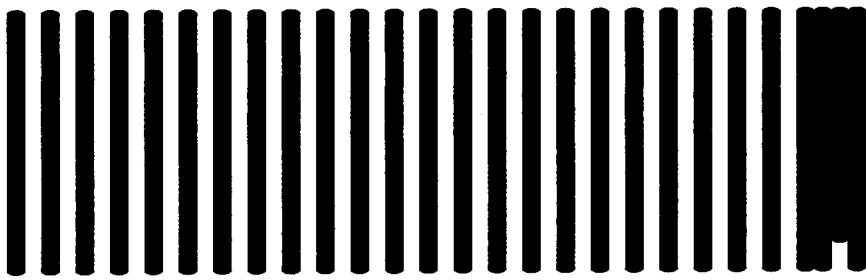
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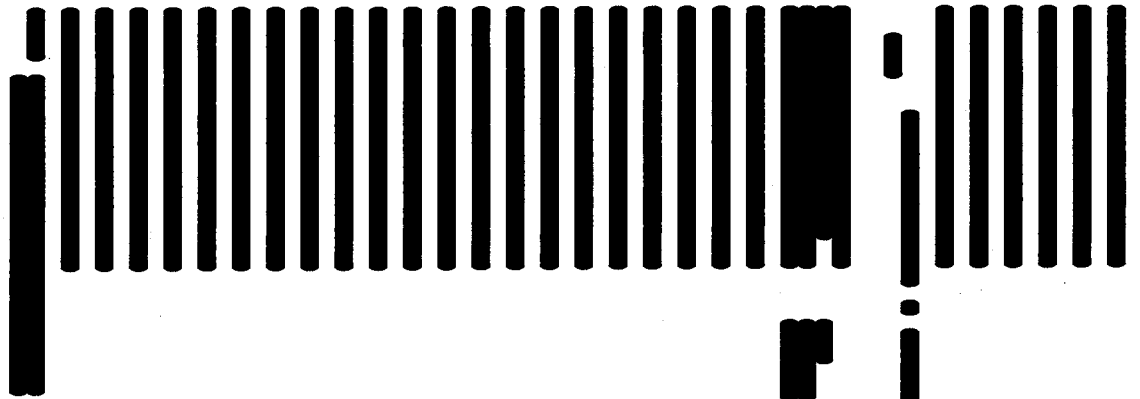
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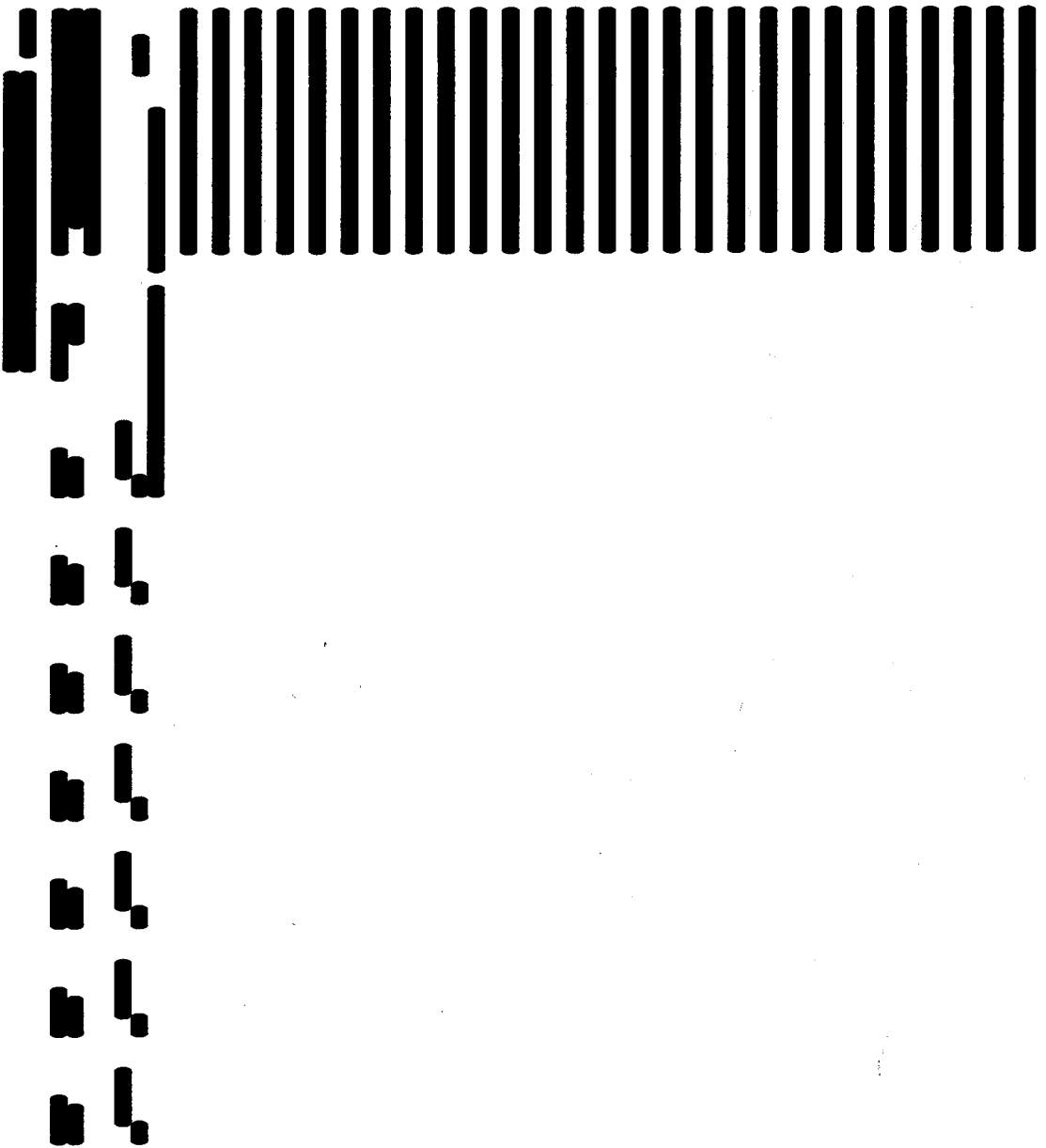
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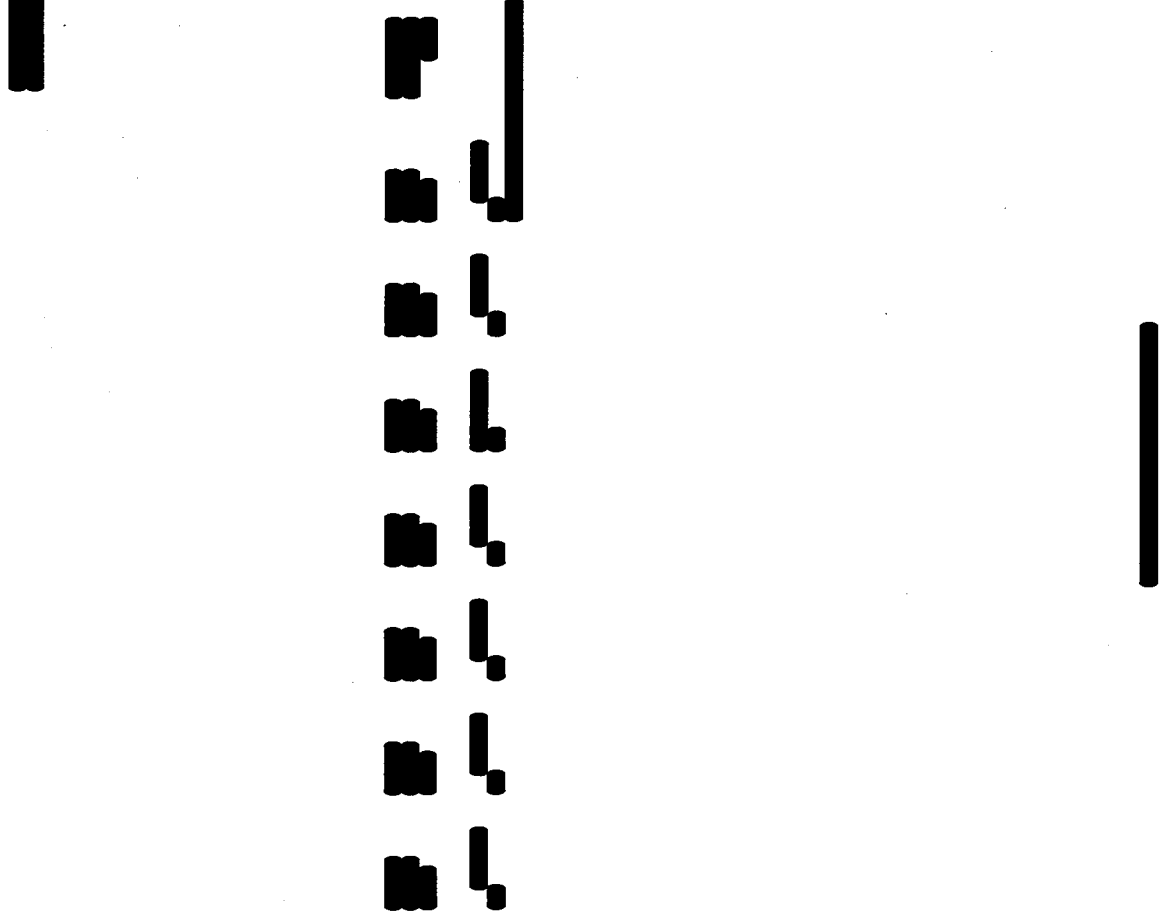
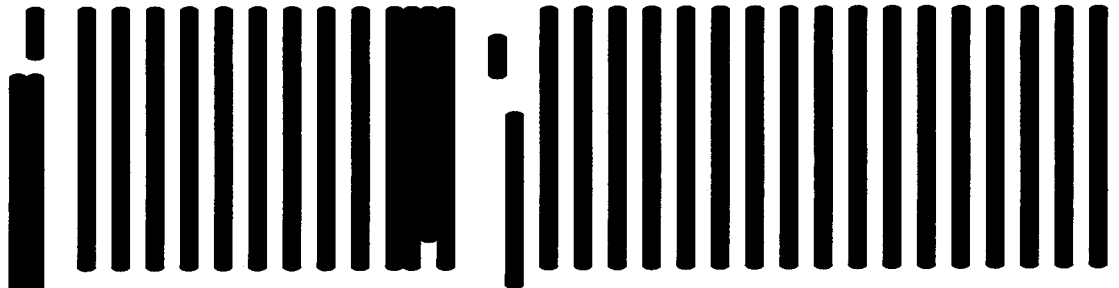
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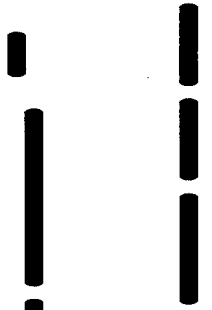
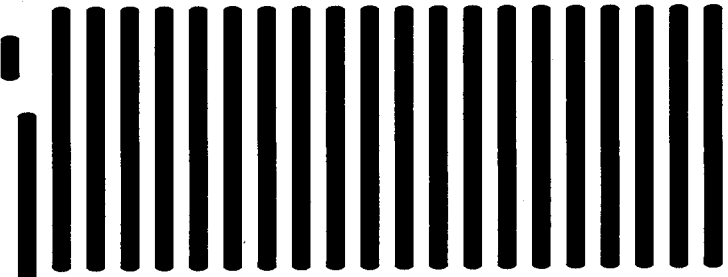
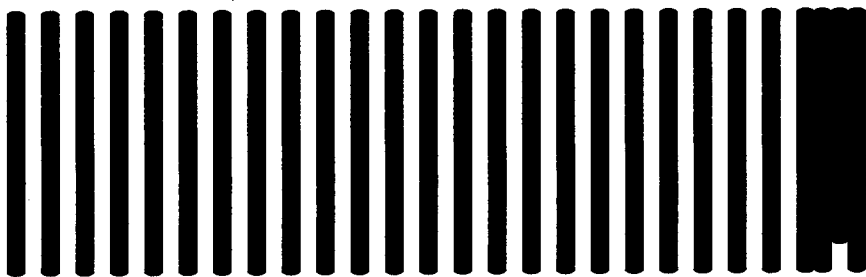
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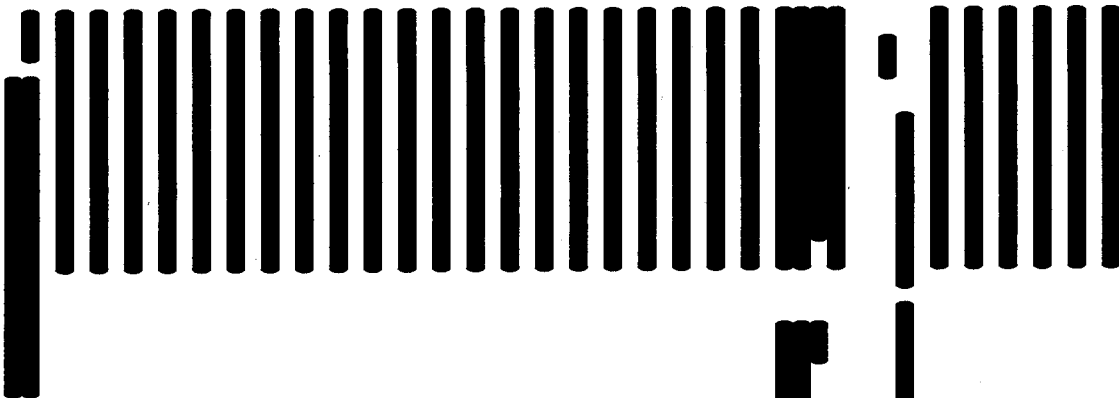
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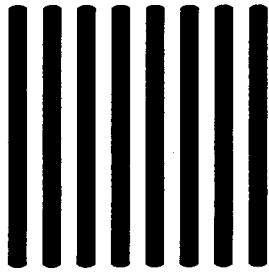
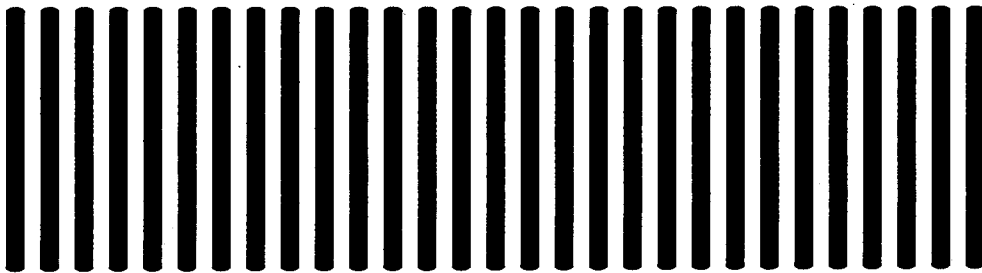
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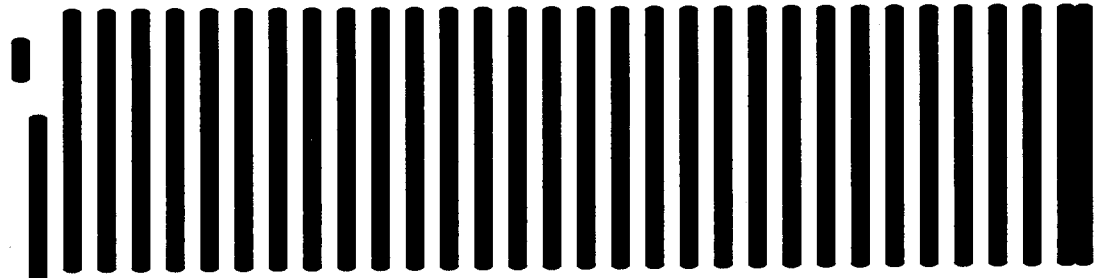
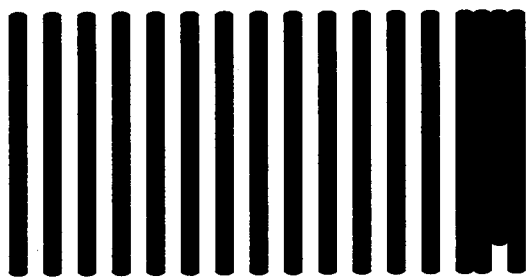
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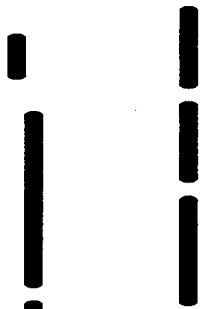
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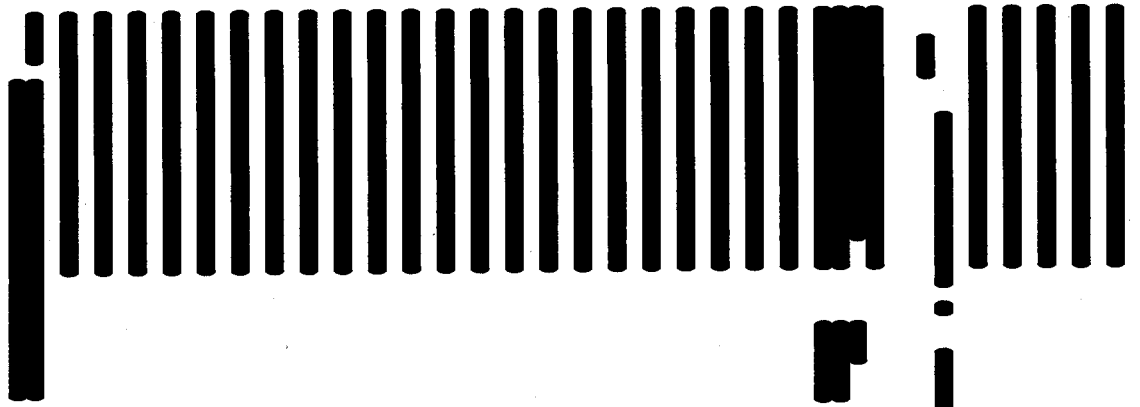
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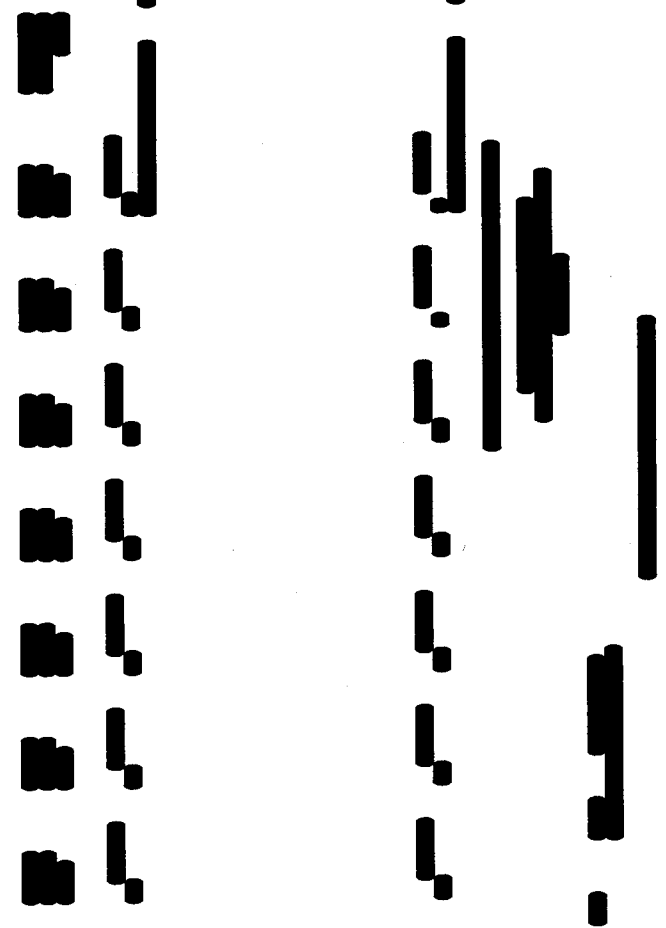
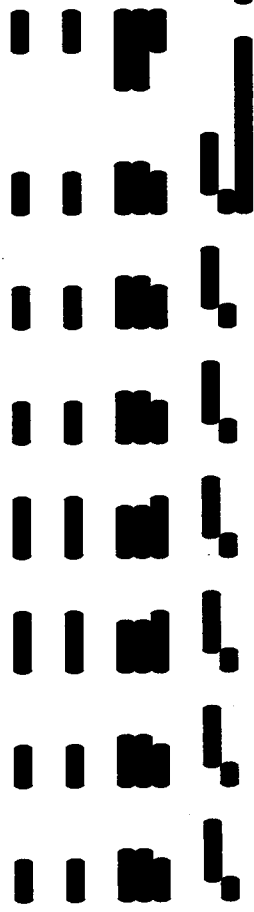
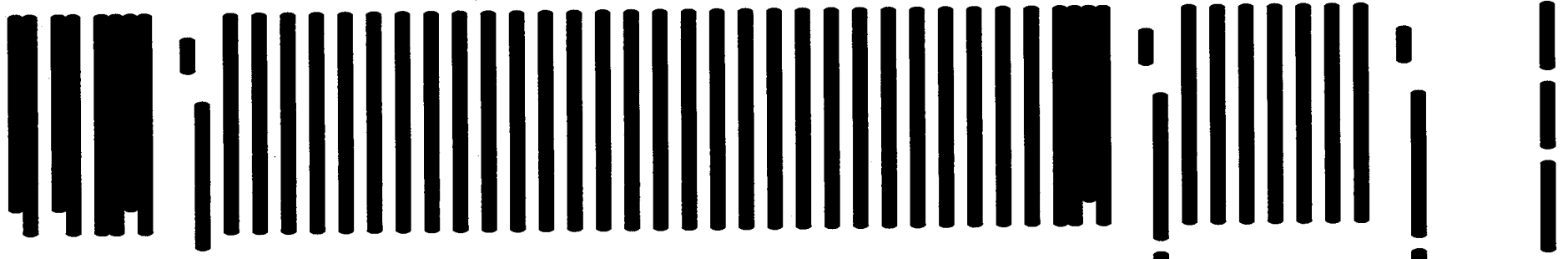
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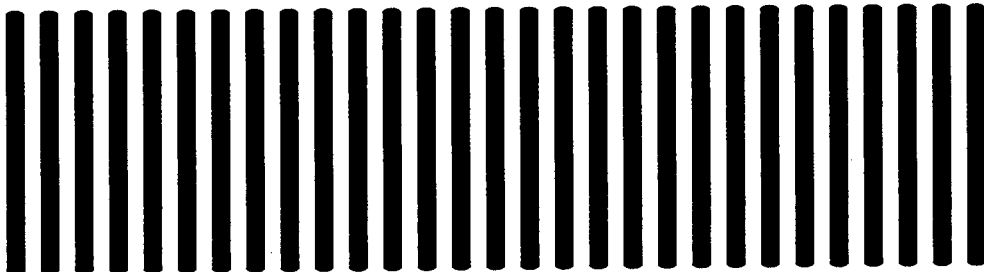
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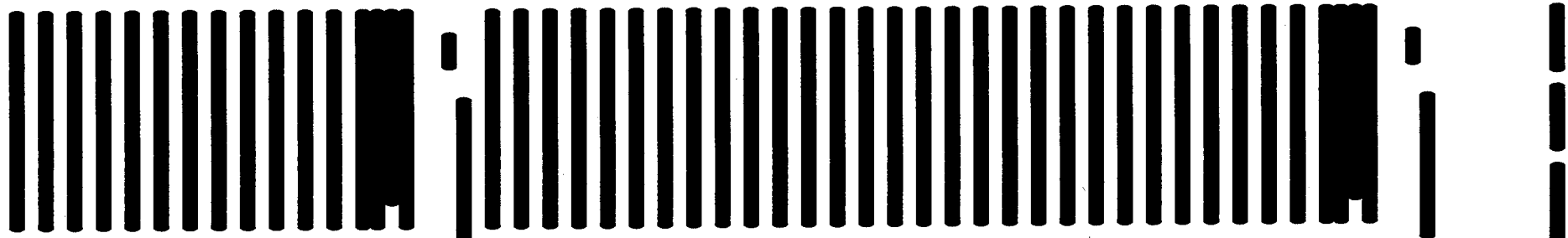
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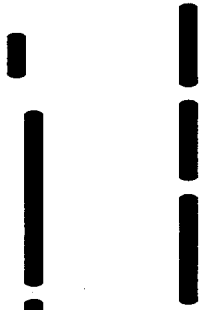
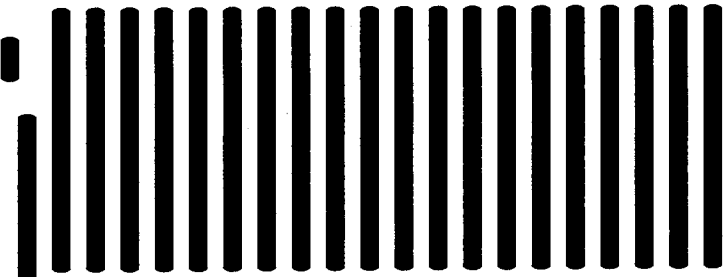
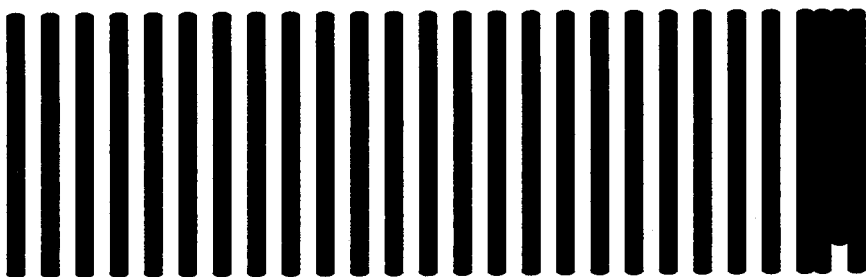
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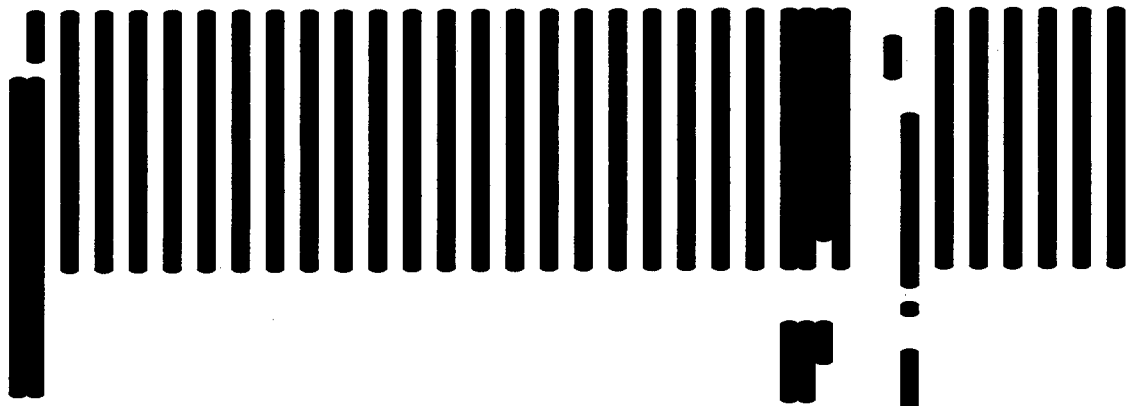
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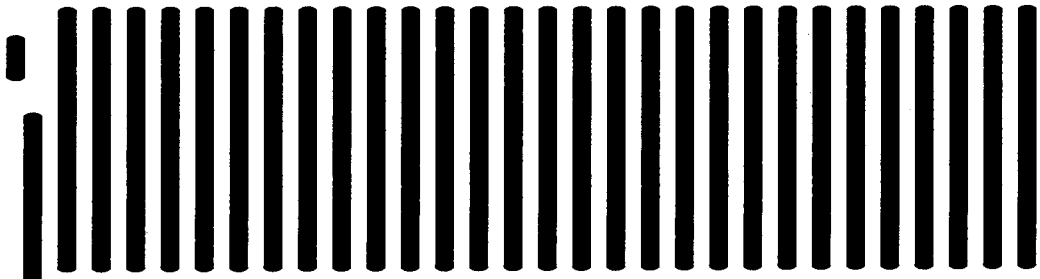
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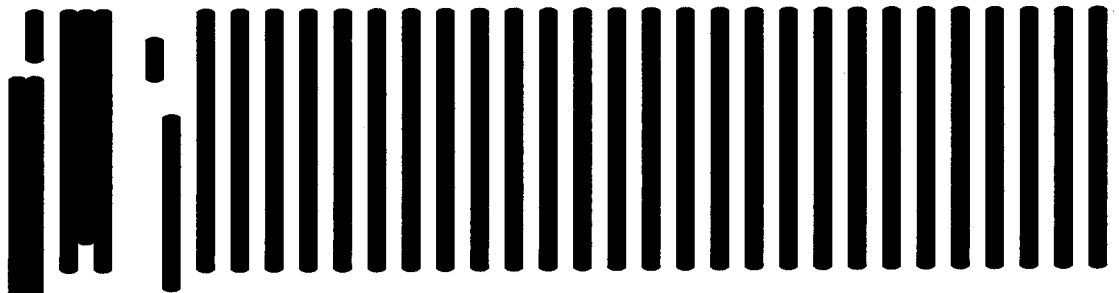
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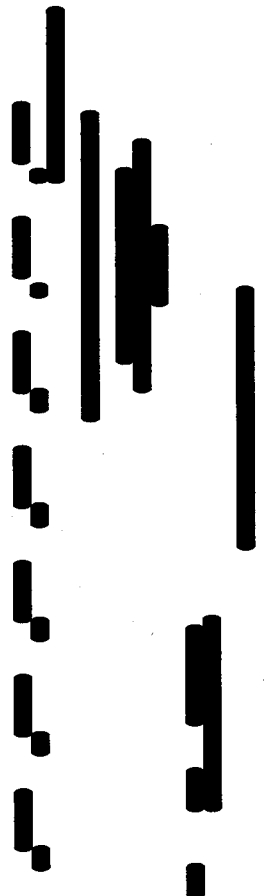
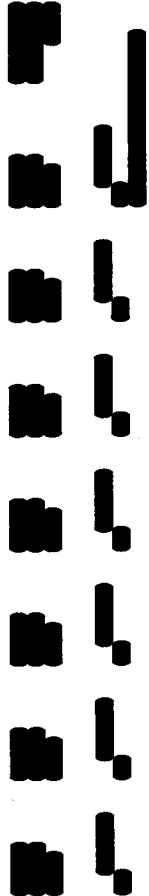
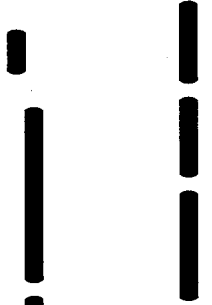
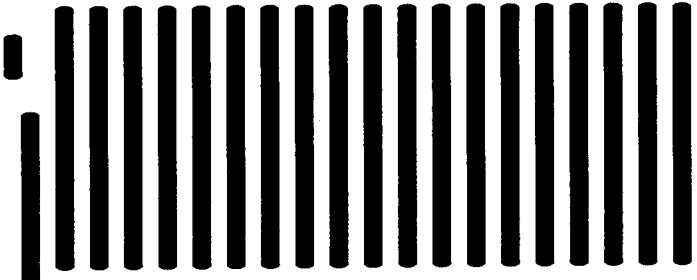
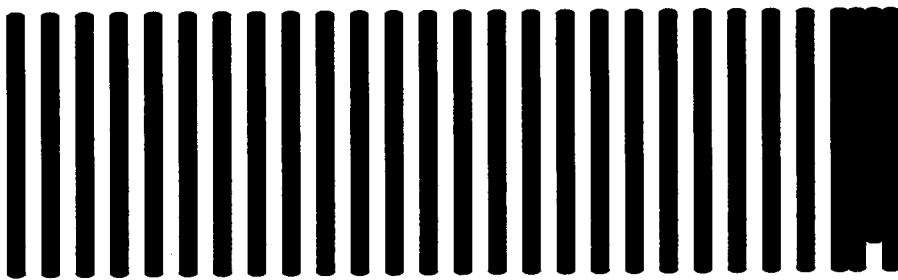
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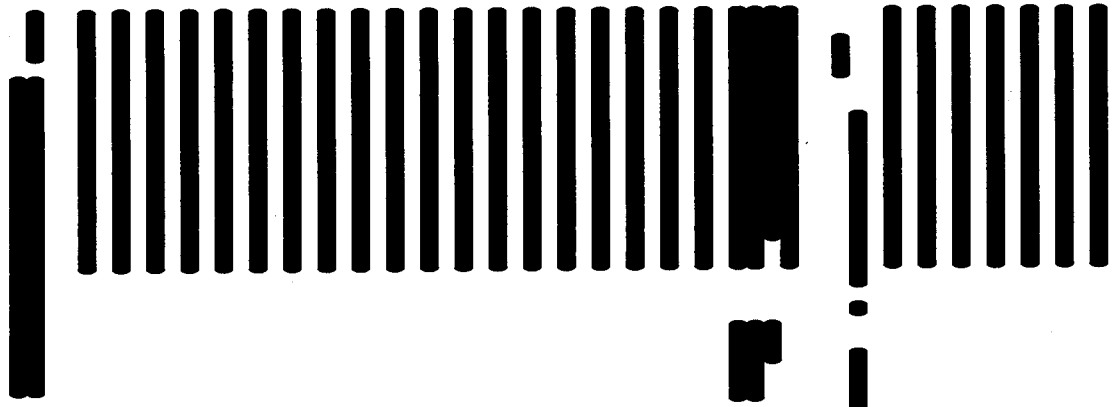
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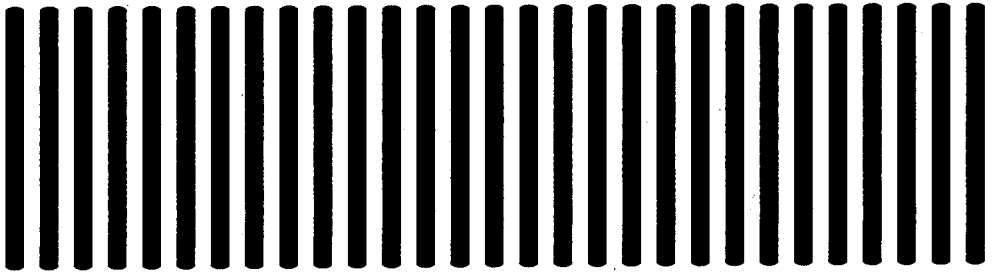
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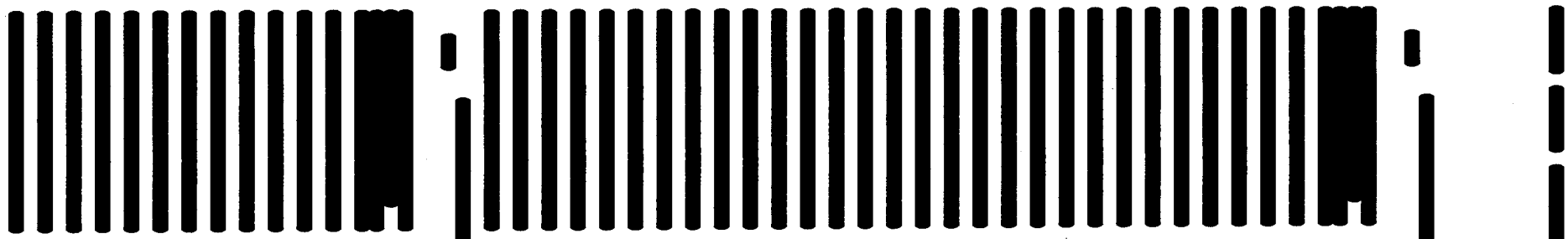
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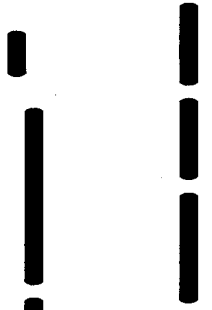
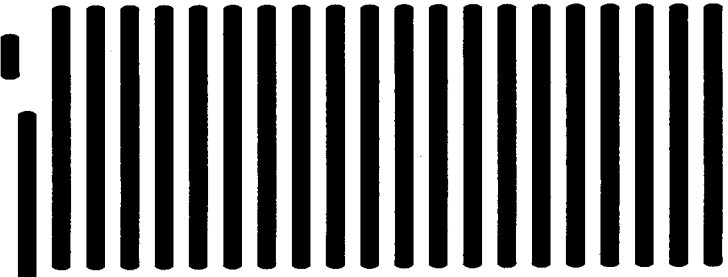
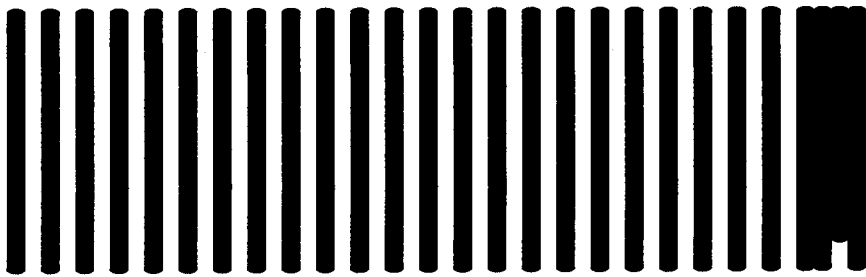


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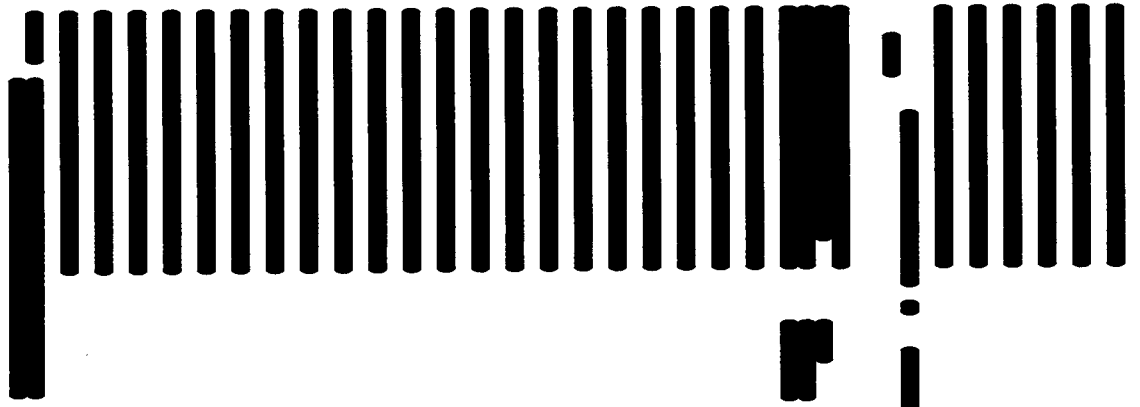
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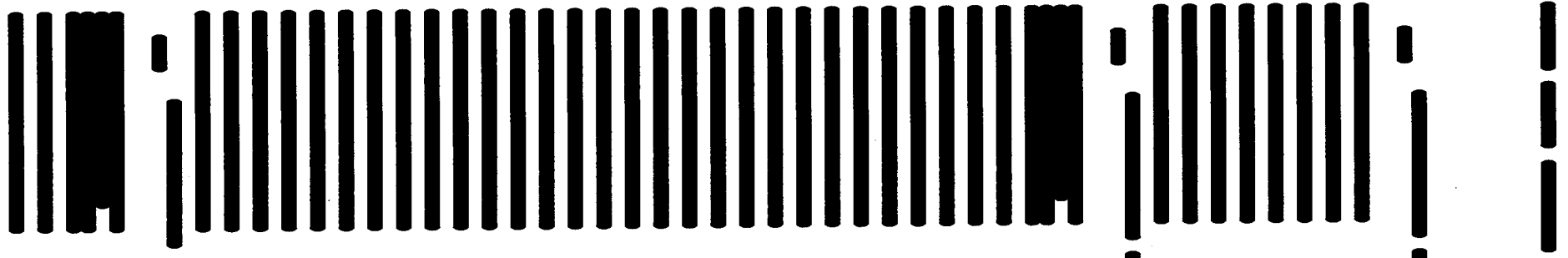
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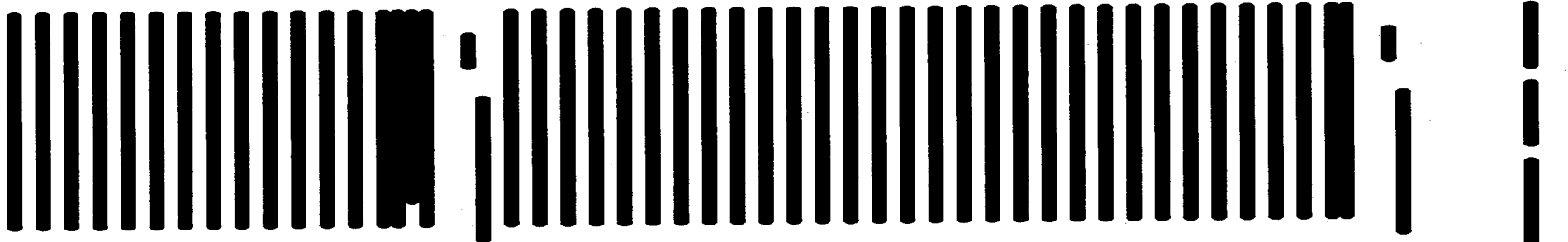
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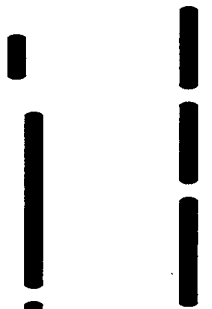
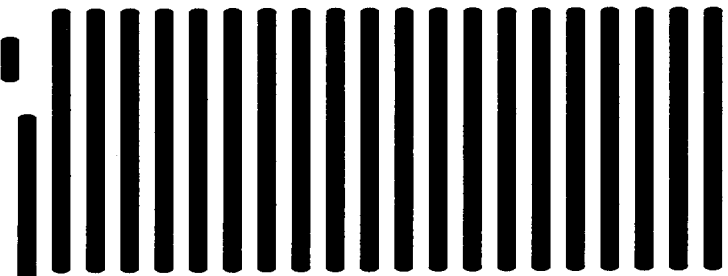
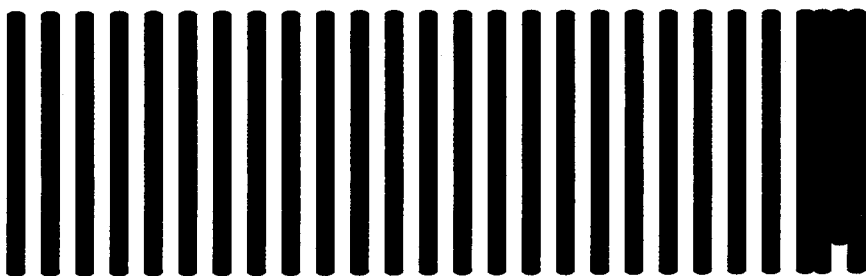


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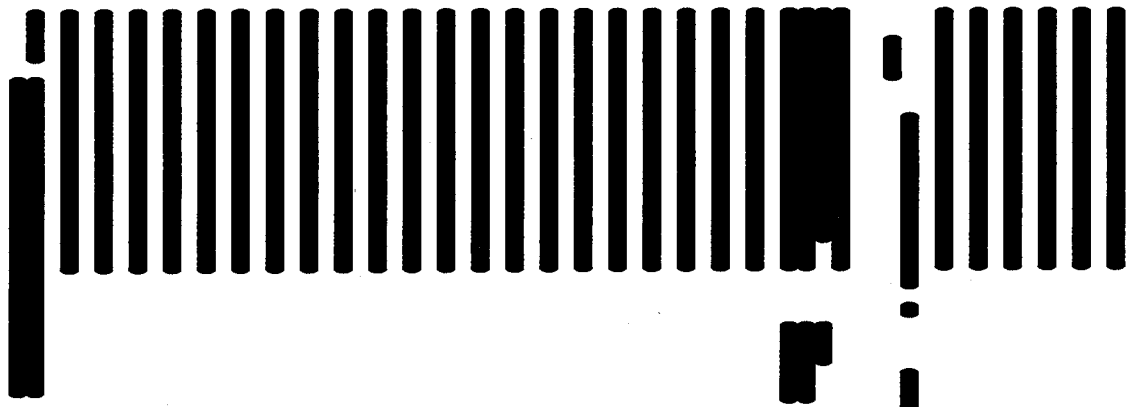
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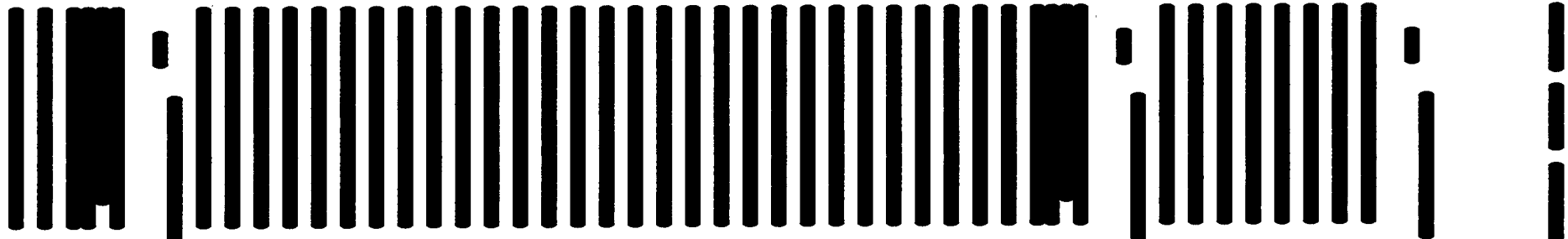
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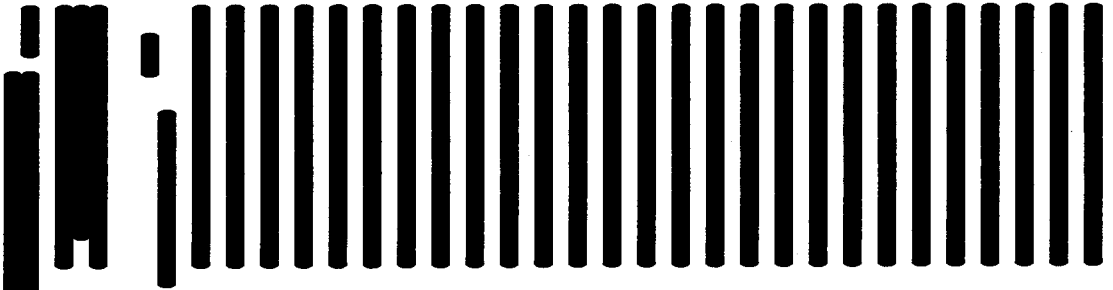
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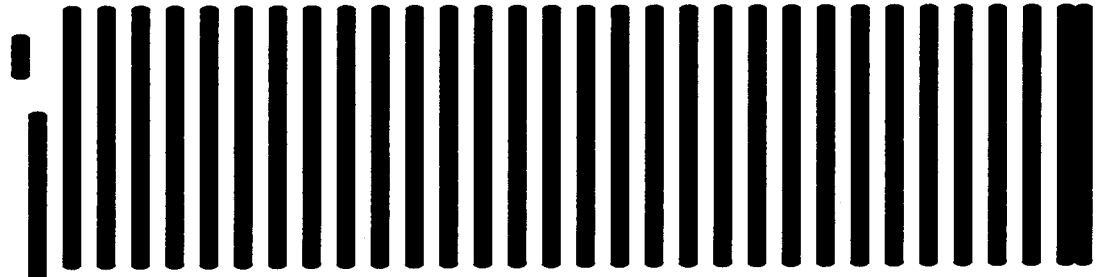
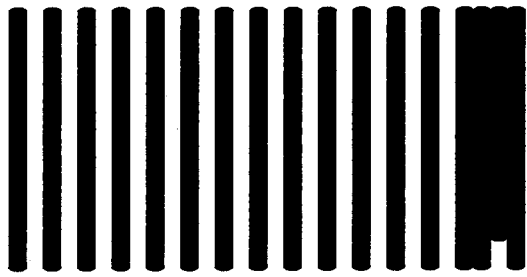
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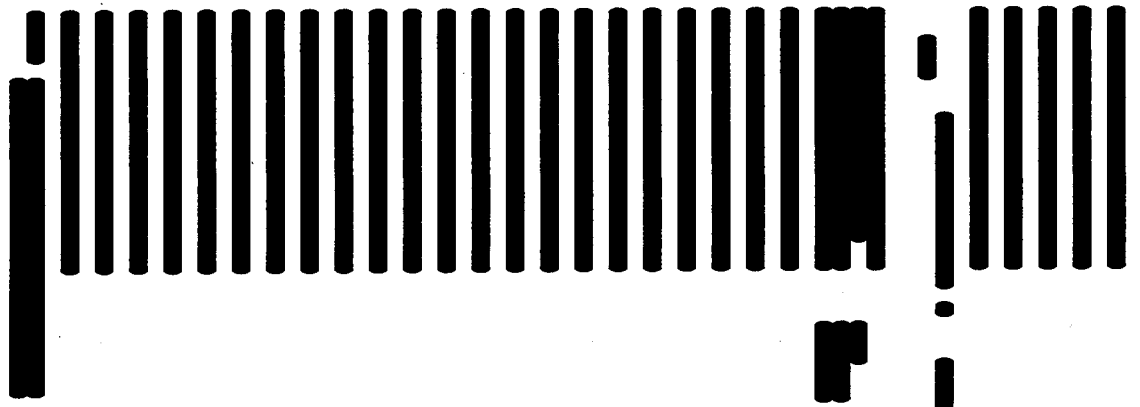
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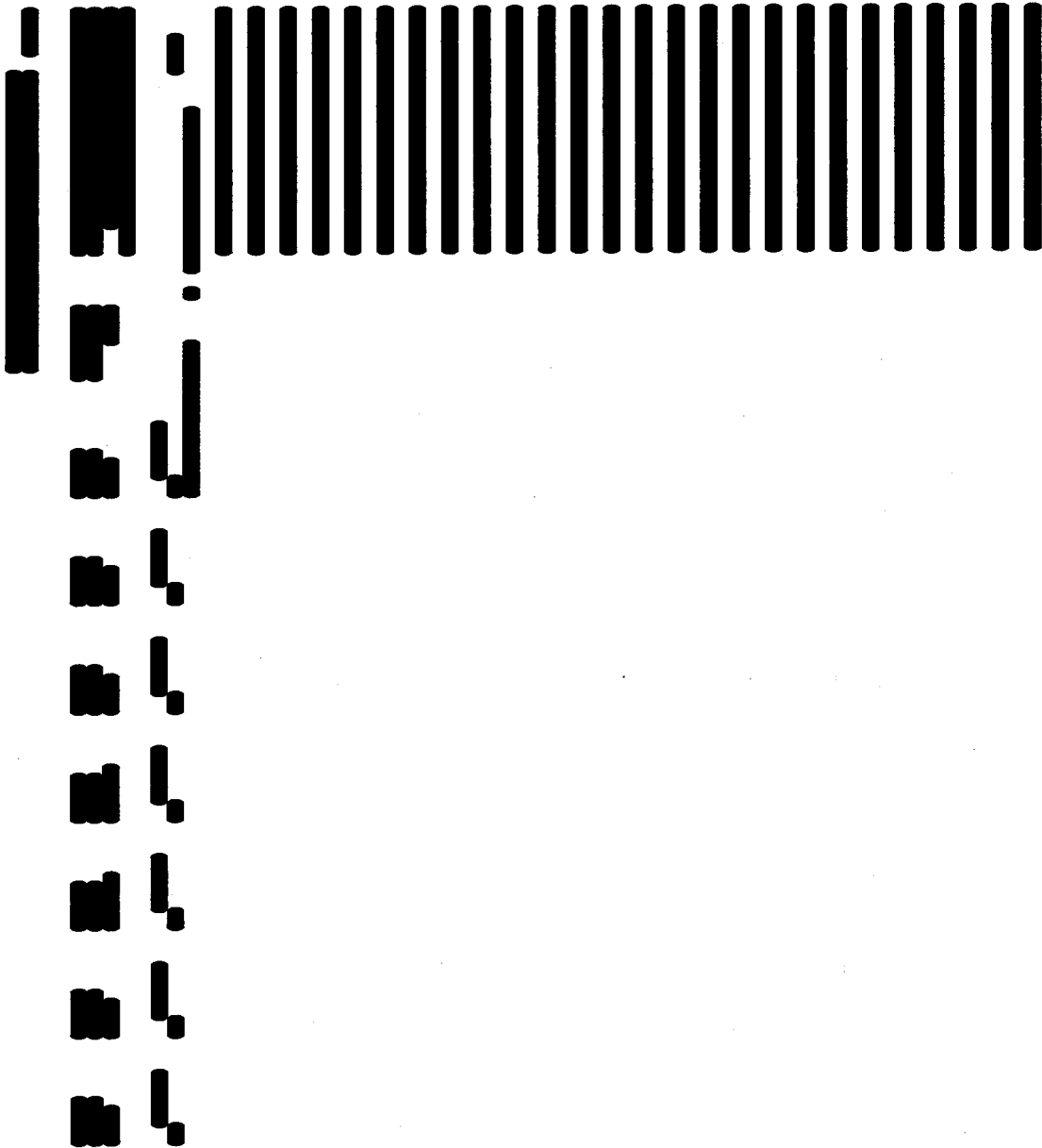
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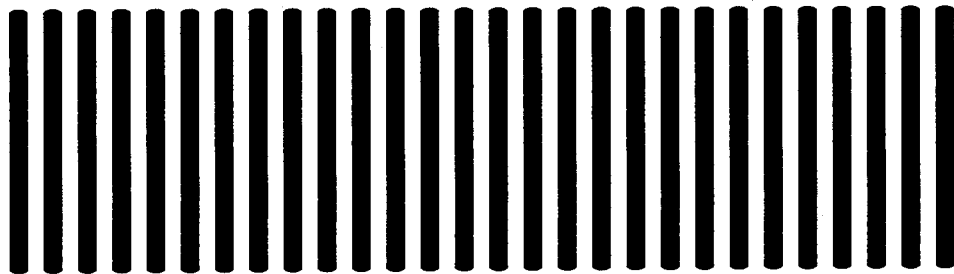
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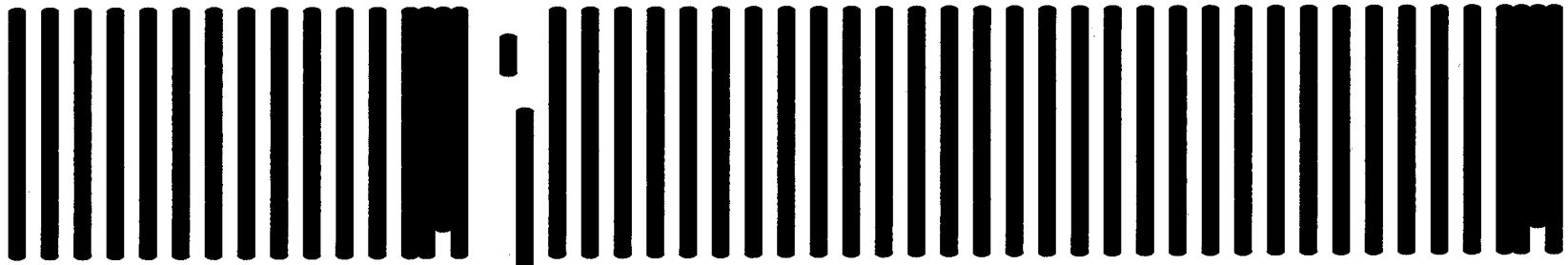
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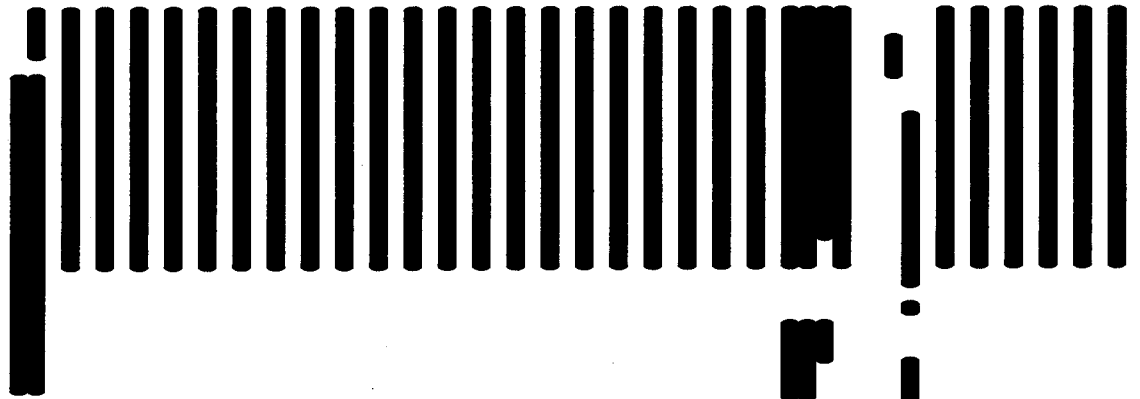




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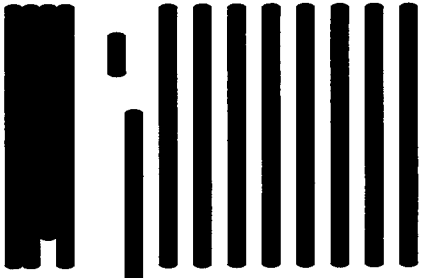
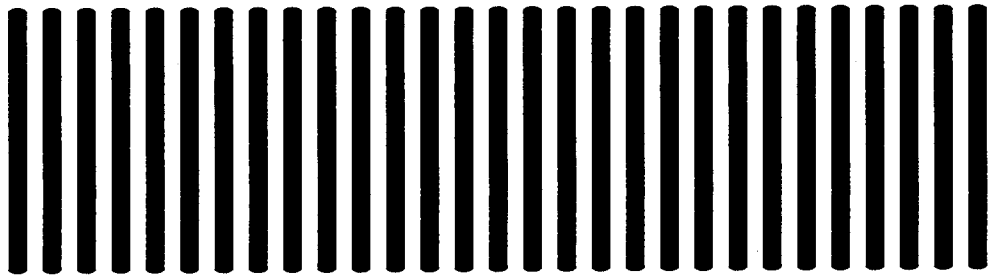
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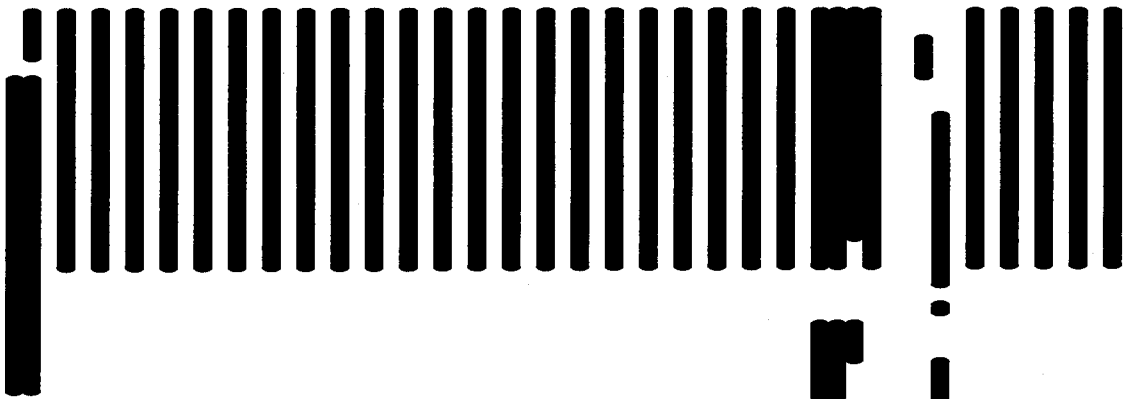
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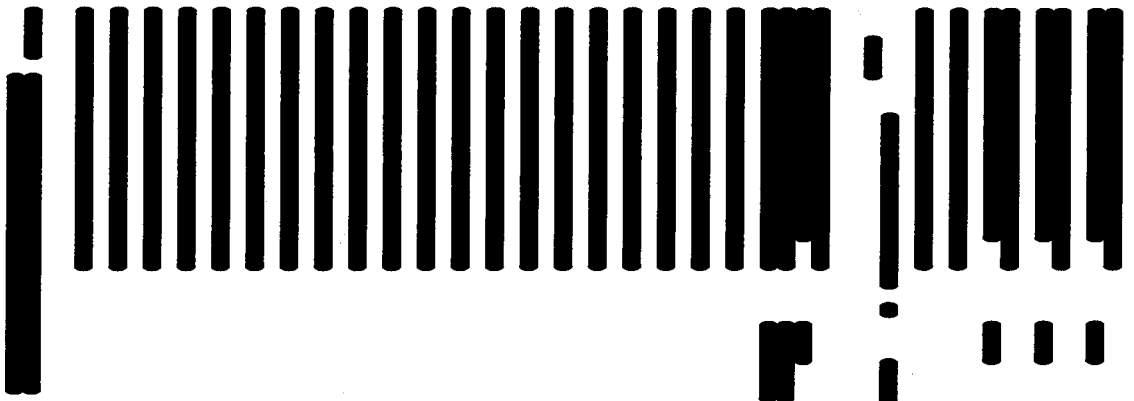


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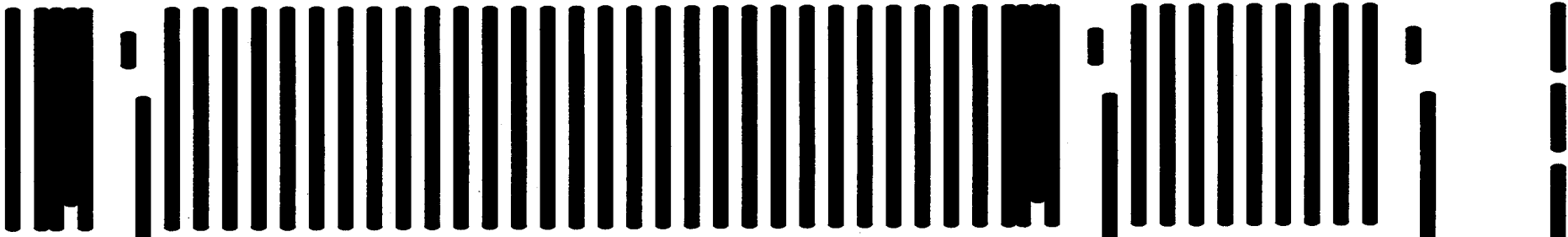


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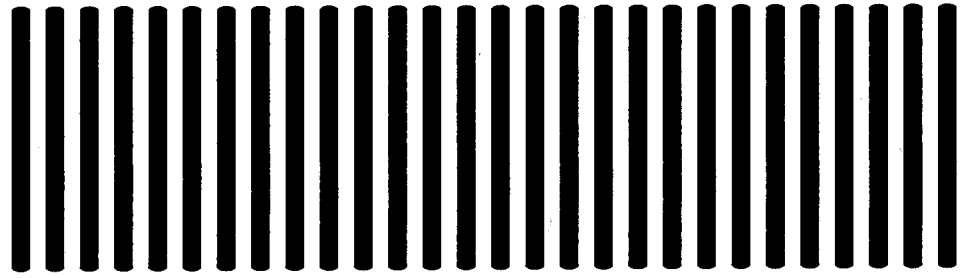
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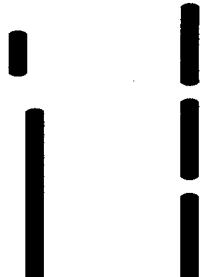
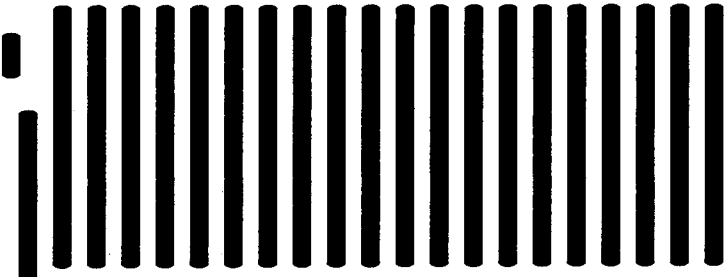
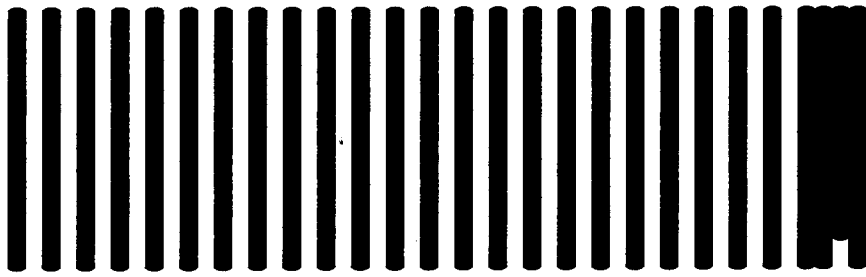


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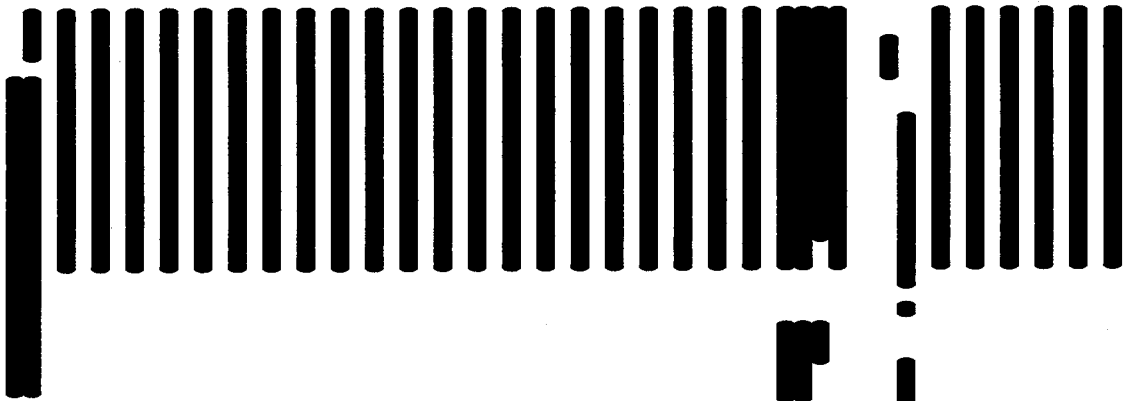
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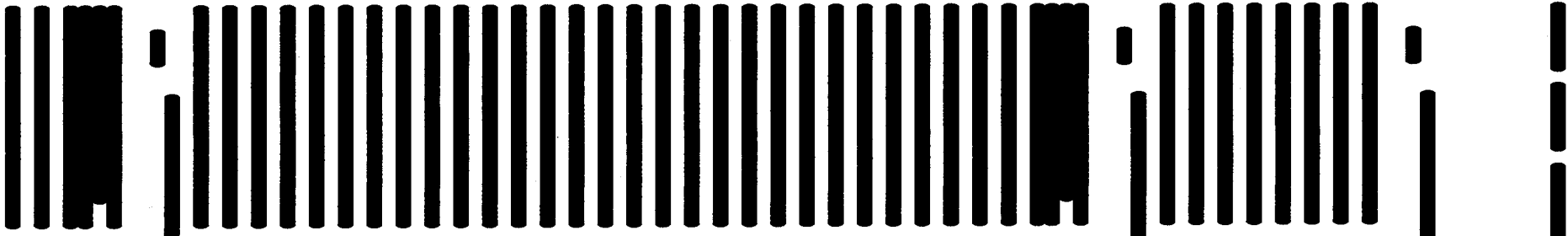
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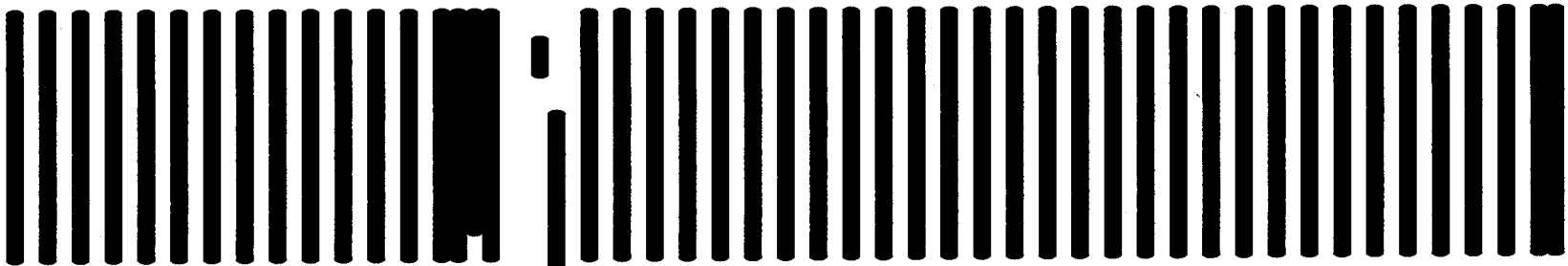
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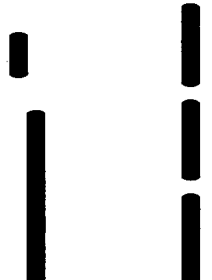
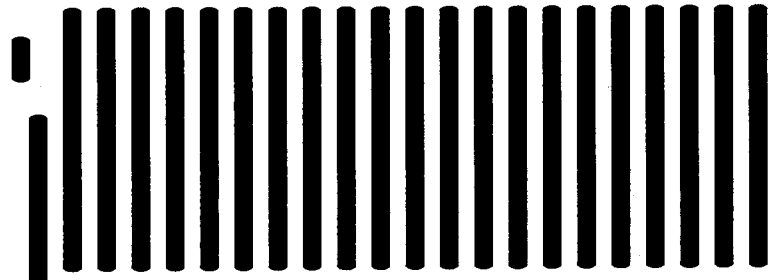
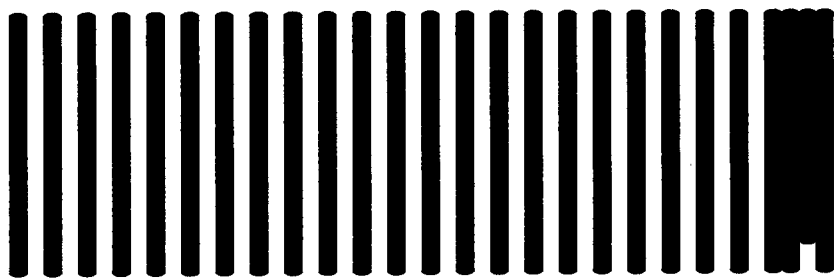
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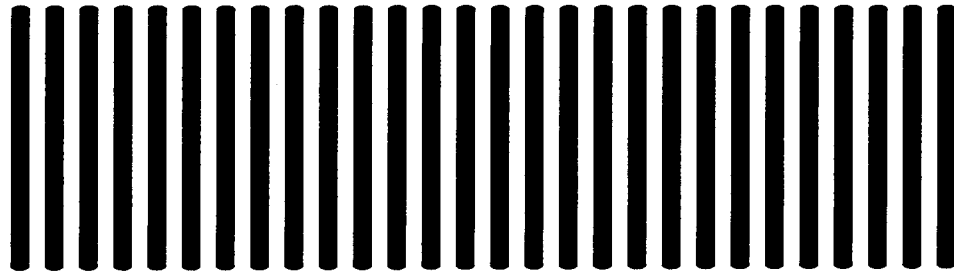
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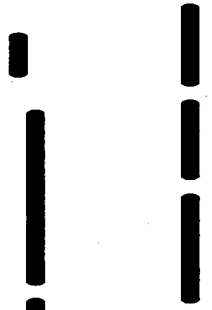
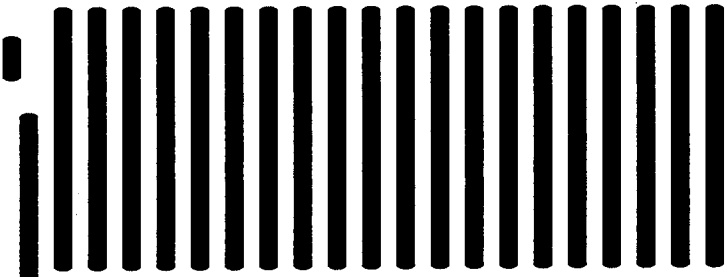
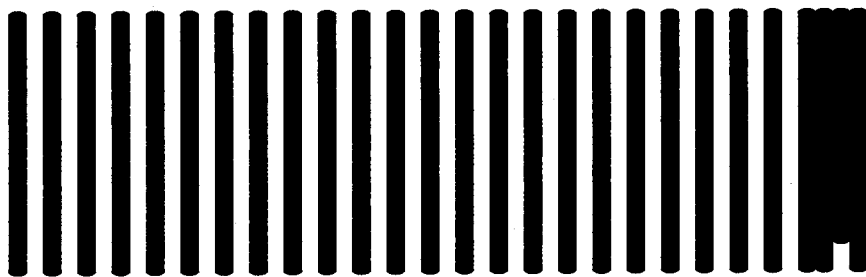
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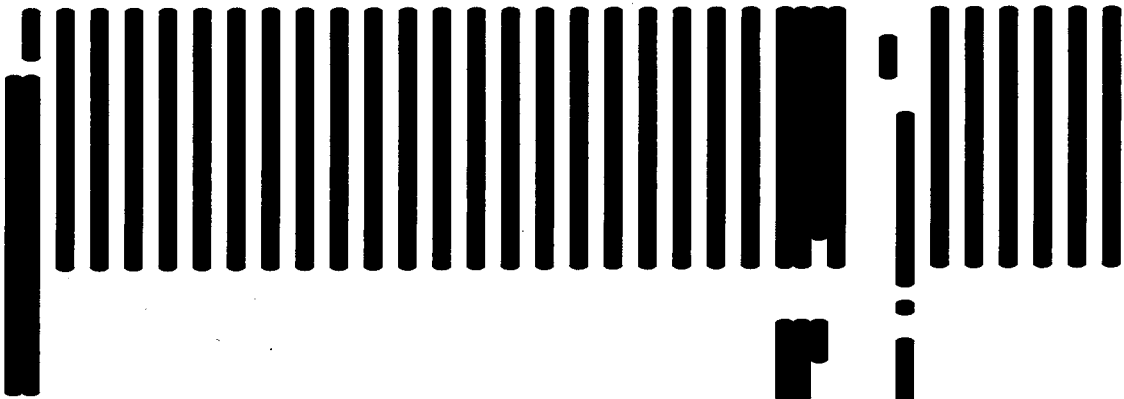
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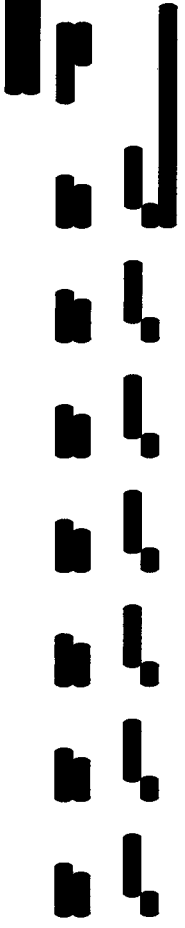
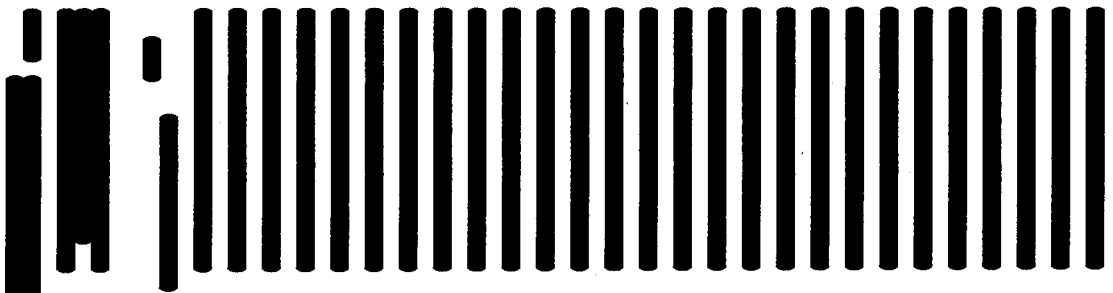
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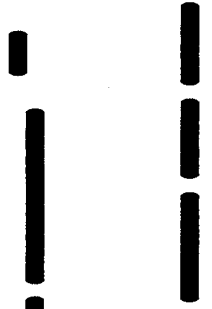
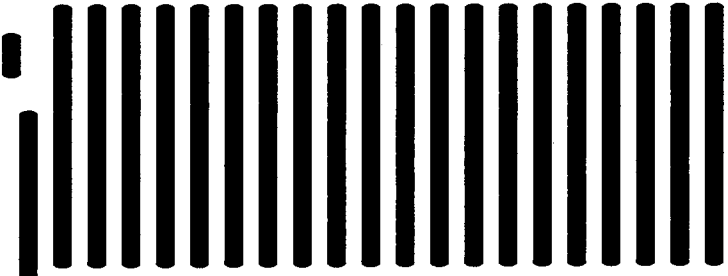
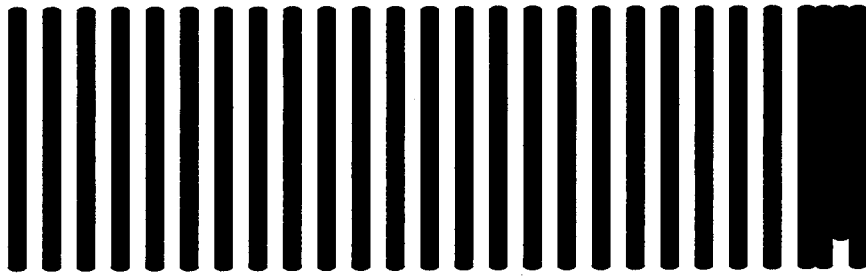


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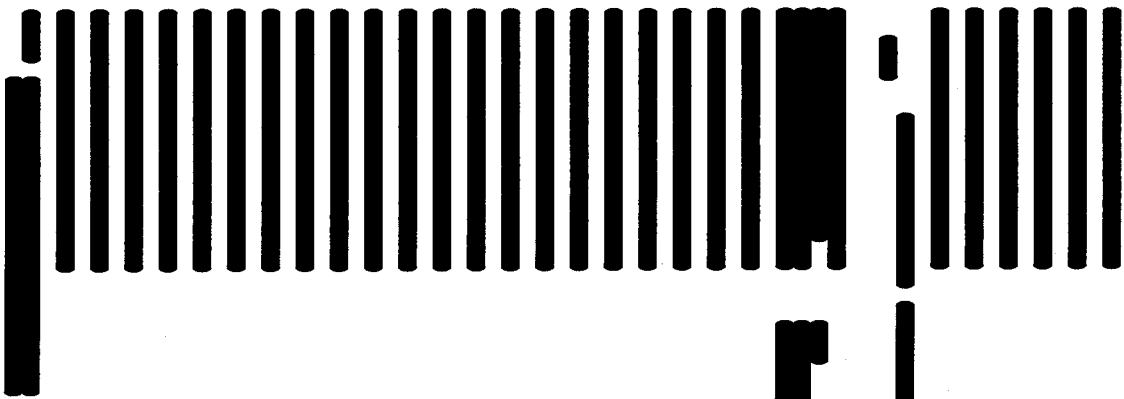
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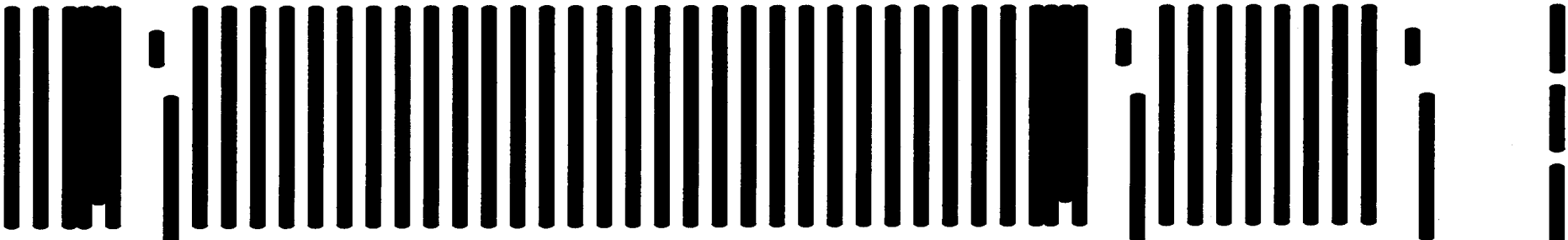
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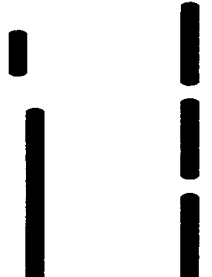
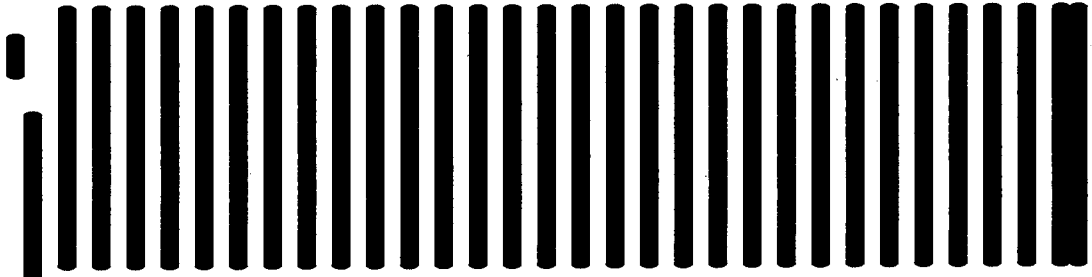
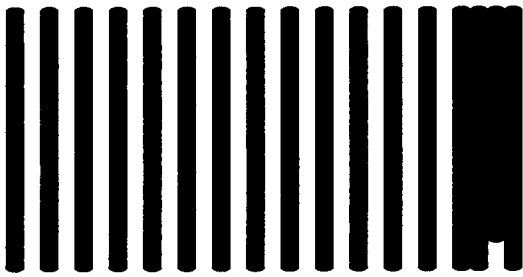
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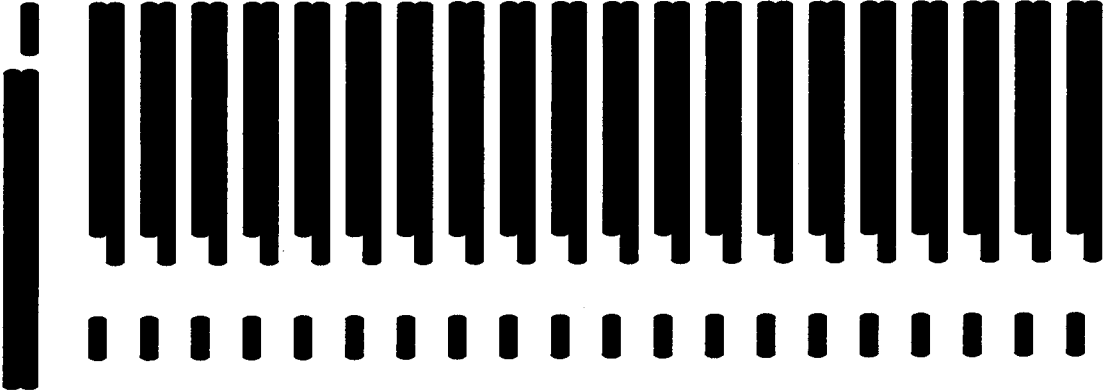
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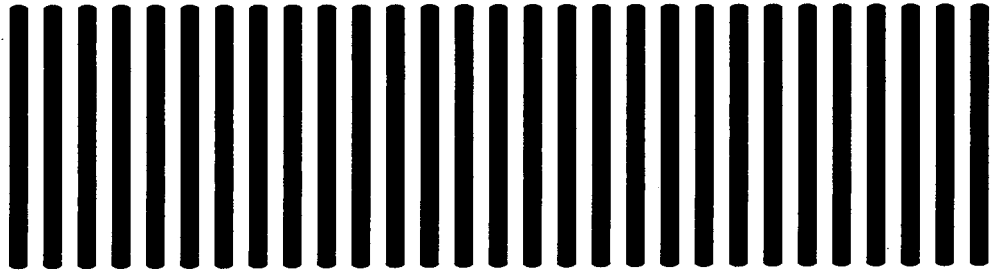
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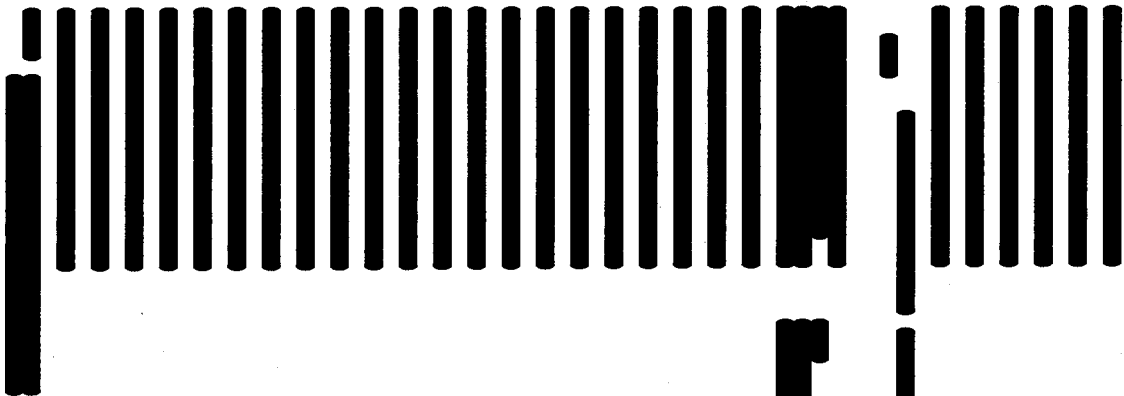
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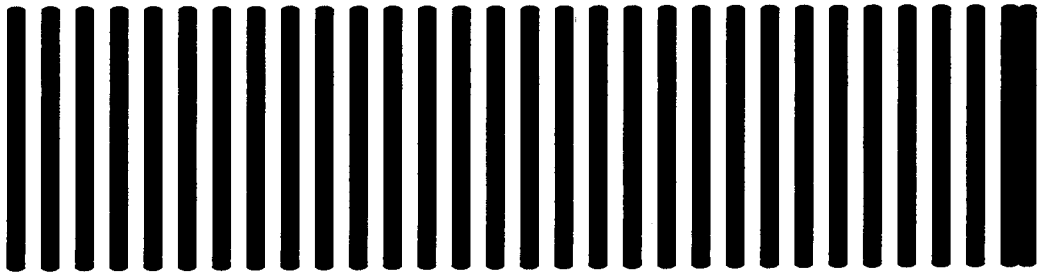
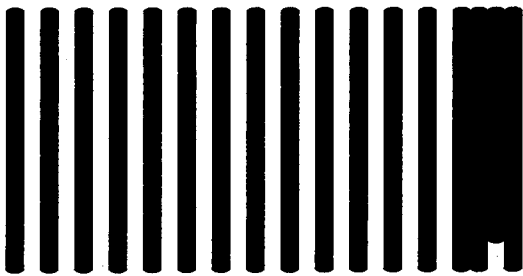
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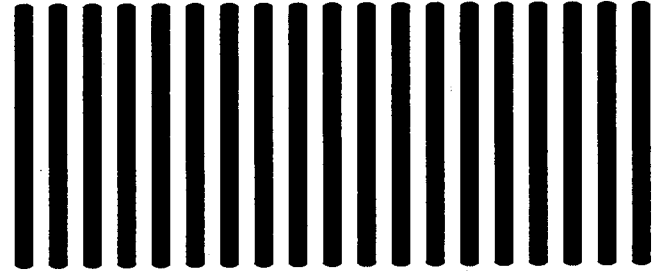
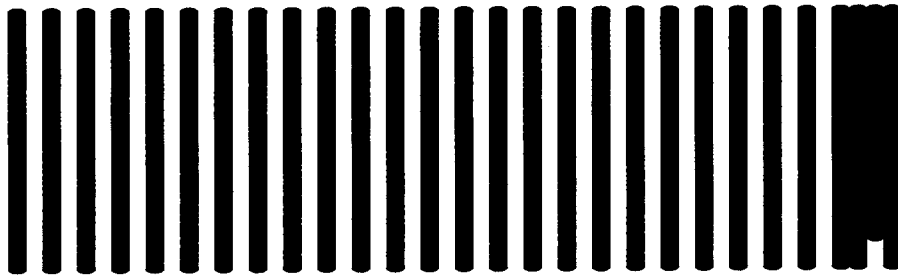
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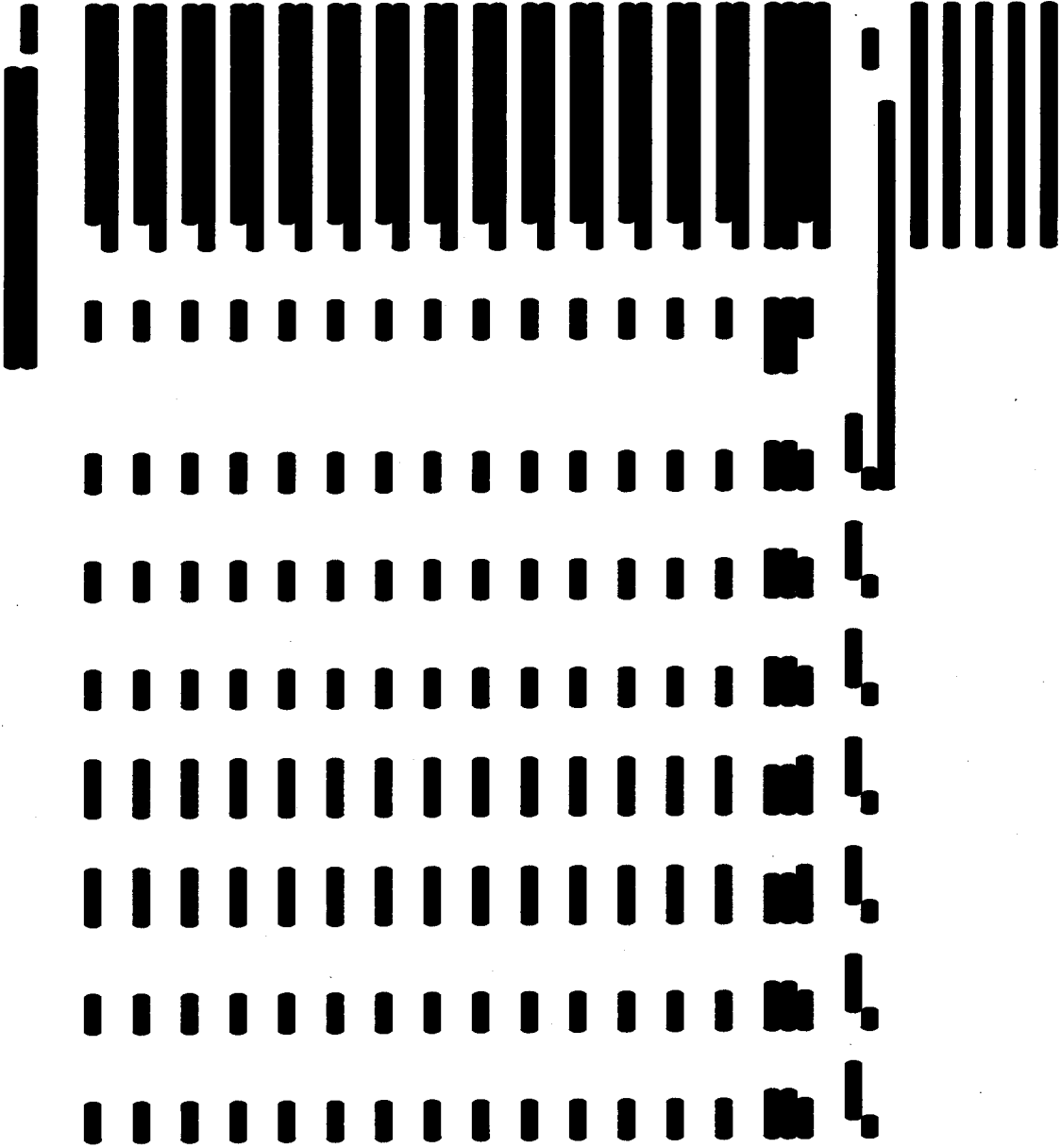
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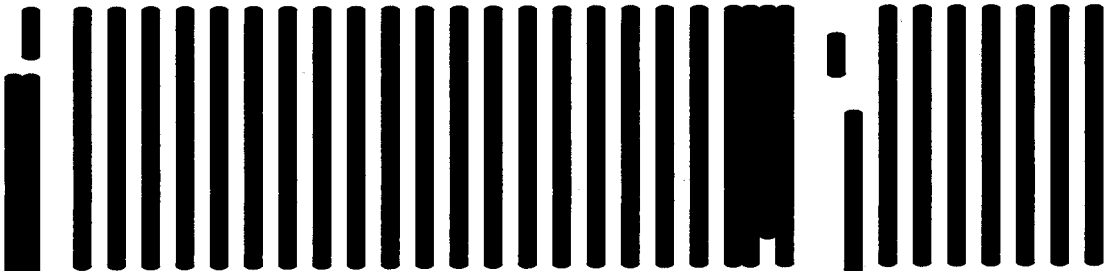
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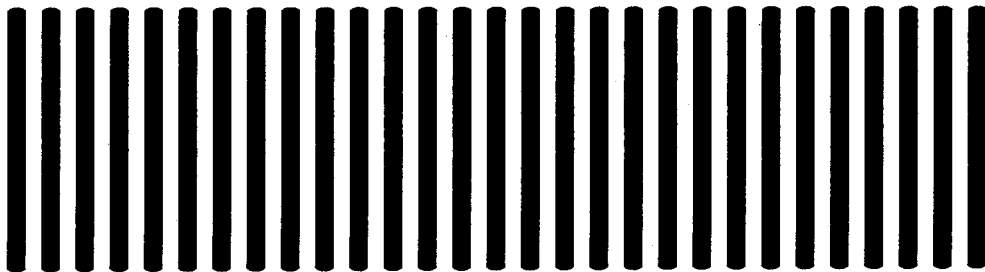
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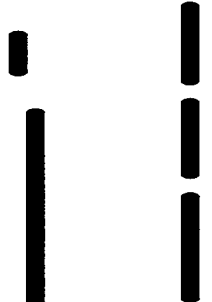
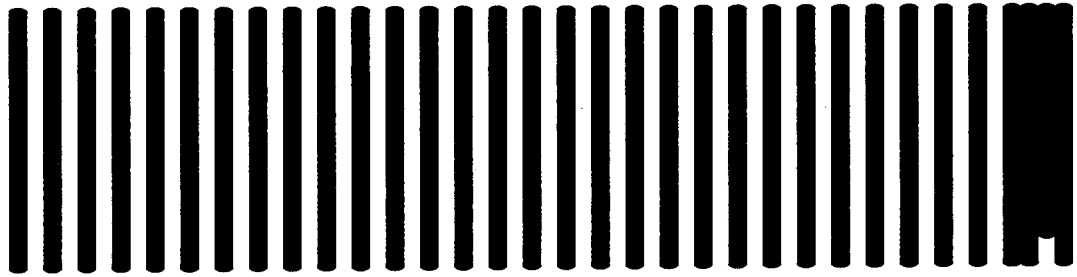
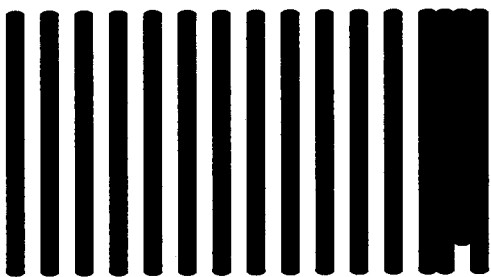
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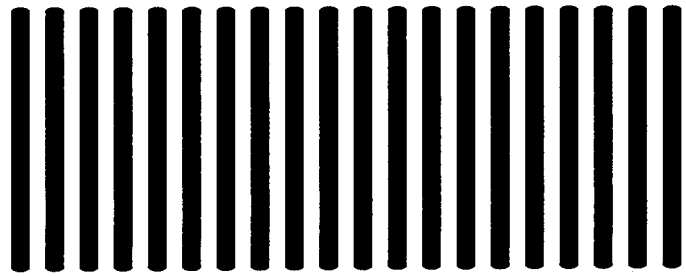
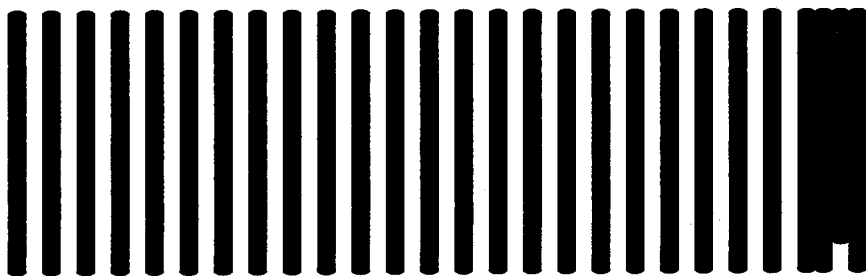
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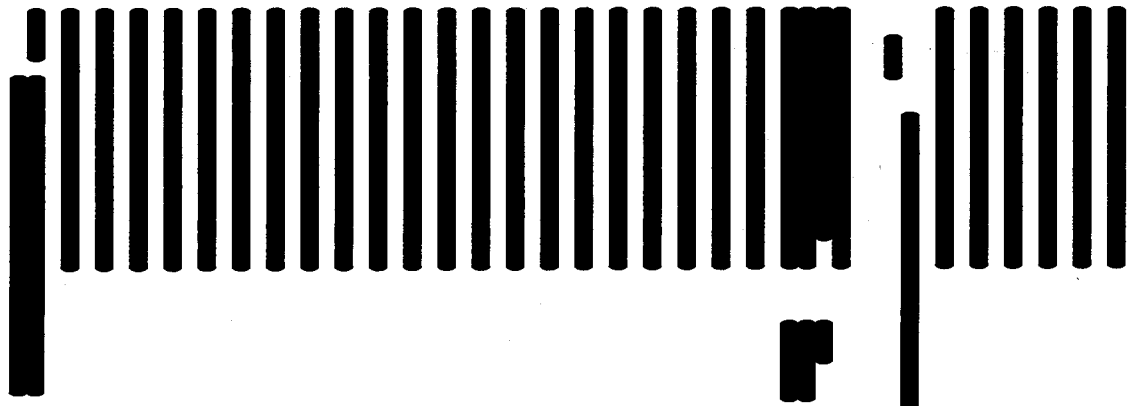
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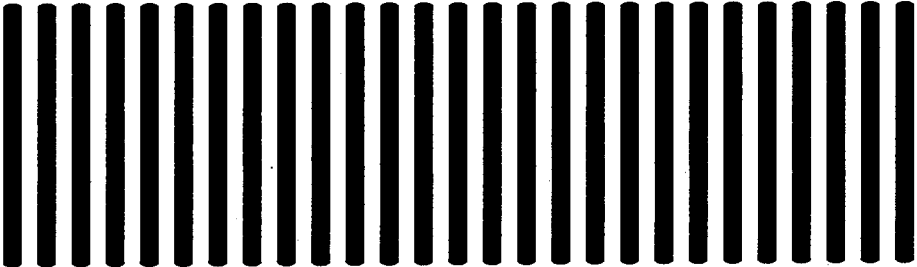
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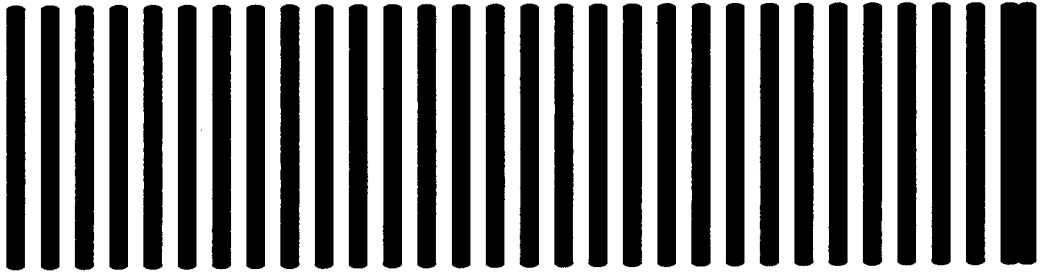
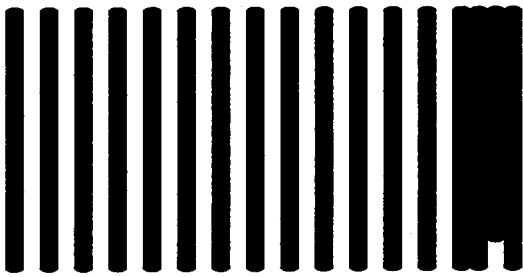
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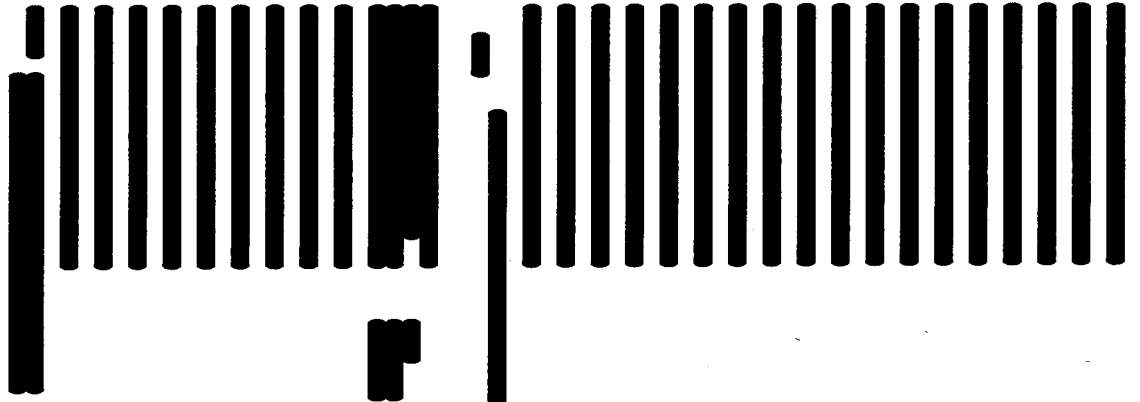
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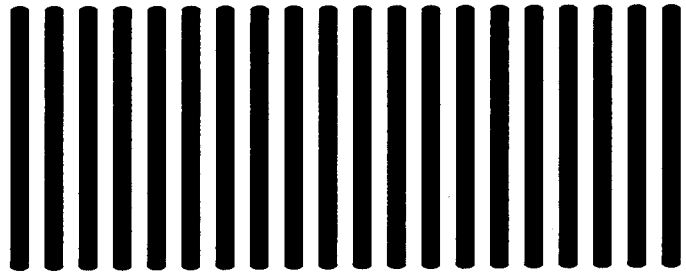
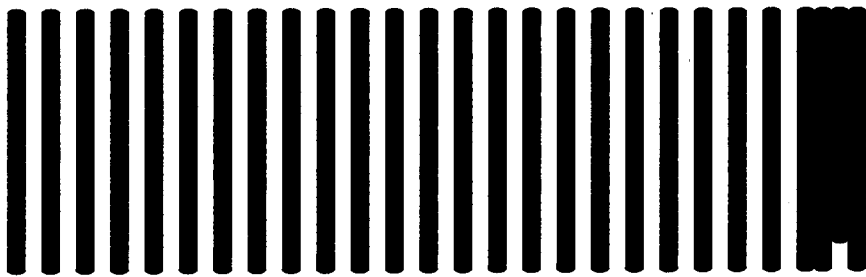
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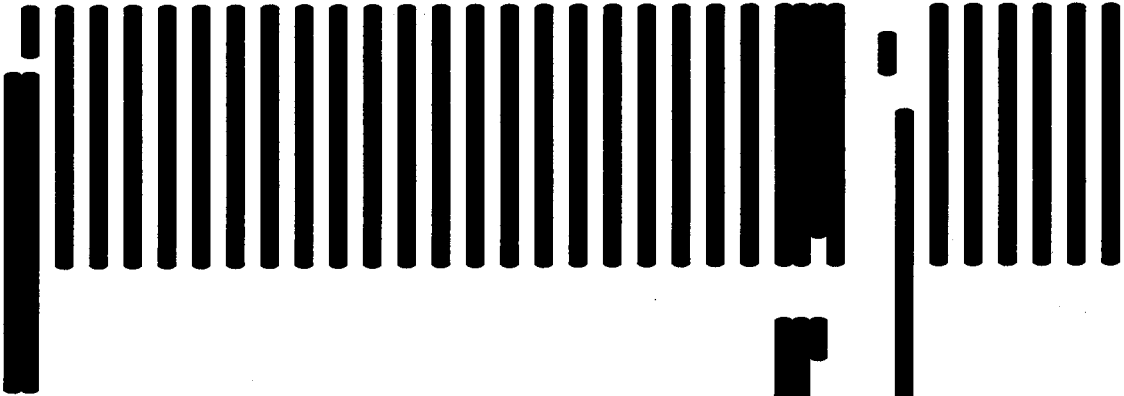
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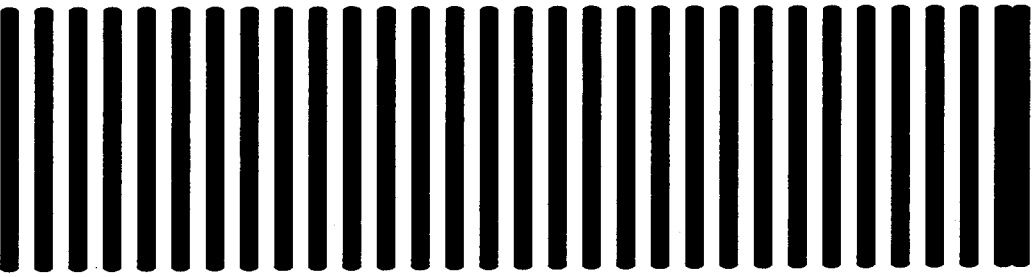
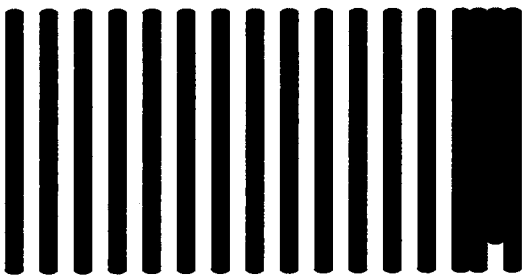
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Vertical text block on the left side, consisting of several lines of characters.

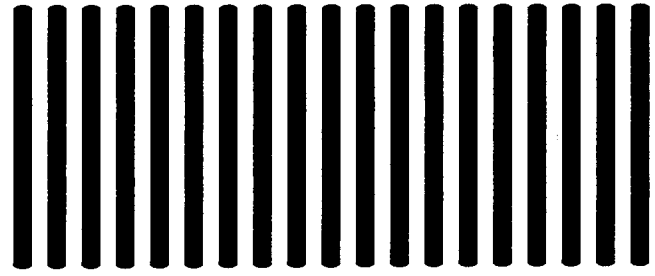
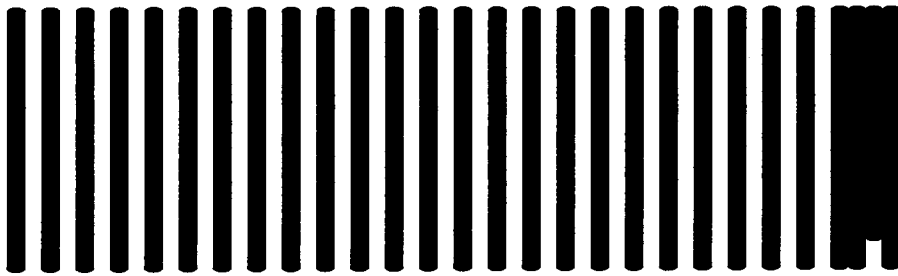
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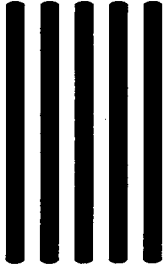
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APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.HYDRO UNIT.

HYDRO UNIT	1	2	3
AIR BASIN POINTER	HYDRO AP	HYDRO IM	RACINE
COMMISSION MONTH	0	0	0
COMMISSION YEAR	1	1	1
COMMITMENT CONTRIBUTION	1	1	1
ESCALATION ANGLIARY REVENUE	2011	2011	2011
ESCALATION CAPACITY REVENUE	N	N	N
ESCALATION FIXED COSTS			
ESCALATION VARIABLE COSTS			
RETIREMENT MONTH			
RETIREMENT YEAR	12	12	12
SOURCE INDEX NUMBER	2045	2045	2045
SPINNING CONTRIBUTION	0	0	0
SYSTEM AGGREGATE POINTER	100.00	100.00	100.00
	0	0	0

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.HYDRO UNIT.

HYDRO UNIT	1	2	3
	HYDRO AP	HYDRO IM	RACINE
	0	0	0
----- YEAR 2011 -----			
ANCILLARY REVENUE RATE	0.00	0.00	0.00
ANNUAL HYDRO ENERGY	MWH 678900.00	116500.00	177300.00
CAPACITY REVENUE PROFILE	0	0	0
CAPACITY REVENUE RATE	\$/KW 0.00	0.00	0.00
FIXED COSTS	0.00	0.00	0.00
HYDRO ENERGY POINTER	0	0	0
HYDRO MAXIMUM CAPACITY POINTER	-31	-32	-20
HYDRO MINIMUM CAPACITY POINTER	121.00	18.00	26.00
MAXIMUM CAPACITY	MW 20.00	2.00	1.00
MINIMUM CAPACITY	MW 100.00	100.00	100.00
PERCENT FIRM	% 0.00	0.00	0.00
RENEWABLE ENERGY CREDIT	0.00	0.00	0.00
VARIABLE O AND M COSTS	RATIO \$/MWH 0.00	0.00	0.00
----- YEAR 2012 -----			
ANNUAL HYDRO ENERGY	MWH 696500.00	118600.00	183600.00
----- YEAR 2013 -----			
ANNUAL HYDRO ENERGY	MWH 667200.00	118900.00	183600.00
----- YEAR 2014 -----			
ANNUAL HYDRO ENERGY	MWH 714200.00	117700.00	183600.00
----- YEAR 2015 -----			
----- YEAR 2016 -----			
----- YEAR 2017 -----			
----- YEAR 2018 -----			
----- YEAR 2019 -----			
----- YEAR 2020 -----			
----- YEAR 2021 -----			
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----- YEAR 2036 -----			
----- YEAR 2037 -----			
----- YEAR 2038 -----			
----- YEAR 2039 -----			
----- YEAR 2040 -----			

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.HYDRO UNIT.

GENERATING COMPANIES HYDRO UNIT	1 OPGO+CSP HYDRO AP	2 HYDRO IM	3 RACINE
YEAR 2011	0.00	0.00	1.00
YEAR 2012			
YEAR 2013			
YEAR 2014			
YEAR 2015			
YEAR 2016			
YEAR 2017			
YEAR 2018			
YEAR 2019			
YEAR 2020			
YEAR 2021			
YEAR 2022			
YEAR 2023			
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YEAR 2026			
YEAR 2027			
YEAR 2028			
YEAR 2029			
YEAR 2030			
YEAR 2031			
YEAR 2032			
YEAR 2033			
YEAR 2034			
YEAR 2035			
YEAR 2036			
YEAR 2037			
YEAR 2038			
YEAR 2039			
YEAR 2040			

GENERATING COMPANIES
HYDRO UNIT

2 IEM	1 HYDRO AP	2 HYDRO IM	3 RACINE
	0	0	0

YEAR 2011	RATIO	0.00	1.00	0.00
OWNERSHIP RATIO				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				

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 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

GENERATING COMPANIES
 HYDRO UNIT

3 AFCC
 1 HYDRO AP
 2 HYDRO IM
 3 RACINE
 0 0 0

----- YEAR 2011 -----
 OWNERSHIP RATIO RATIO 1.00 0.00 0.00
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.HYDRO UNIT.

GENERATING COMPANIES HYDRO UNIT	3 APCCO	1 HYDRO AP 0	2 HYDRO IM 0	3 RACINE 0
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				
YEAR 2038				
YEAR 2039				
YEAR 2040				

GENERATING COMPANIES
HYDRO UNIT

4 KPCO

1
HYDRO AP
0

2
HYDRO IM
0

3
RACINE
0

YEAR 2011	RATIO	0.00	0.00	0.00
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
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YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				

4-Company East Optimization

----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.HYDRO UNIT.

HYDRO UNIT	SEASON 1 JANUARY		
	1 HYDRO AP 0	2 HYDRO IM 0	3 RACINE 0
SEASONAL HYDRO ENERGY	RATIO	0.09	0.09
YEAR 2011			
SEASONAL HYDRO ENERGY	RATIO	0.10	0.09
YEAR 2012			
SEASONAL HYDRO ENERGY	RATIO	0.10	0.09
YEAR 2013			
SEASONAL HYDRO ENERGY	RATIO	0.10	0.09
YEAR 2014			
SEASONAL HYDRO ENERGY	RATIO	0.10	0.09
YEAR 2015			
YEAR 2016			
YEAR 2017			
YEAR 2018			
YEAR 2019			
YEAR 2020			
YEAR 2021			
YEAR 2022			
YEAR 2023			
YEAR 2024			
YEAR 2025			
YEAR 2026			
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YEAR 2028			
YEAR 2029			
YEAR 2030			
YEAR 2031			
YEAR 2032			
YEAR 2033			
YEAR 2034			
YEAR 2035			
YEAR 2036			
YEAR 2037			
YEAR 2038			
YEAR 2039			
YEAR 2040			

HYDRO UNIT	SEASON 2 FEBRUARY		
	1 HYDRO AP 0	2 HYDRO IM 0	3 RACINE 0
SEASONAL HYDRO ENERGY	RATIO	0.10	0.08
YEAR 2011			
SEASONAL HYDRO ENERGY	RATIO	0.10	0.09
YEAR 2012			
SEASONAL HYDRO ENERGY	RATIO	0.10	0.08
YEAR 2013			
SEASONAL HYDRO ENERGY	RATIO	0.10	0.07
YEAR 2014			
SEASONAL HYDRO ENERGY	RATIO	0.10	0.08
YEAR 2015			
YEAR 2016			
YEAR 2017			
YEAR 2018			
YEAR 2019			
YEAR 2020			
YEAR 2021			

YEAR	SEASON	MARCH	HYDRO AP	HYDRO IM	RACINE
YEAR 2022	3		1	2	3
YEAR 2023			0	0	0
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					
YEAR 2011					
SEASONAL HYDRO ENERGY			0.13	0.10	0.08
YEAR 2012					
SEASONAL HYDRO ENERGY			0.13	0.10	0.08
YEAR 2013					
SEASONAL HYDRO ENERGY			0.13	0.10	0.08
YEAR 2014					
SEASONAL HYDRO ENERGY			0.12	0.10	0.08
YEAR 2015					
YEAR 2016					
YEAR 2017					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT, HYDRO UNIT.

HYDRO UNIT	SEASON 3			MARCH		
	1	2	3	1	2	3
	HYDRO AP	HYDRO IM	RACINE	HYDRO AP	HYDRO IM	RACINE
YEAR 2018	0	0	0	0	0	0
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
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YEAR 2031						
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YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

HYDRO UNIT	SEASON 4			APRIL		
	1	2	3	1	2	3
	HYDRO AP	HYDRO IM	RACINE	HYDRO AP	HYDRO IM	RACINE
YEAR 2011	0	0	0	0	0	0
SEASONAL HYDRO ENERGY						
YEAR 2012						
SEASONAL HYDRO ENERGY						
YEAR 2013						
SEASONAL HYDRO ENERGY						
YEAR 2014						
SEASONAL HYDRO ENERGY						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						

YEAR	SEASON	MAY	HYDRO AP	HYDRO TM	RACINE
UNIT	5		1	2	3
			0	0	0
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

SEASONAL HYDRO ENERGY	RATIO	0.11	0.09	0.11	
SEASONAL HYDRO ENERGY	RATIO	0.11	0.09	0.10	
SEASONAL HYDRO ENERGY	RATIO	0.11	0.09	0.10	
SEASONAL HYDRO ENERGY	RATIO	0.11	0.09	0.10	
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.HYDRO UNIT.

HYDRO UNIT	SEASON 5			MAY		
	1	2	3	1	2	3
HYDRO AP	0	0	0	0	0	0
HYDRO IM	0	0	0	0	0	0
RACINE	0	0	0	0	0	0

----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
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 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

HYDRO UNIT	SEASON 6			JUNE		
	1	2	3	1	2	3
HYDRO AP	0	0	0	0	0	0
HYDRO IM	0	0	0	0	0	0
RACINE	0	0	0	0	0	0

----- YEAR 2011 -----
 SEASONAL HYDRO ENERGY RATIO 0.07 0.08 0.10
 ----- YEAR 2012 -----
 SEASONAL HYDRO ENERGY RATIO 0.08 0.08 0.09
 ----- YEAR 2013 -----
 SEASONAL HYDRO ENERGY RATIO 0.07 0.08 0.09
 ----- YEAR 2014 -----
 SEASONAL HYDRO ENERGY RATIO 0.08 0.08 0.09
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
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 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
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 ----- YEAR 2038 -----
 ----- YEAR 2039 -----

----- YEAR 2039 -----

YEAR 2040	SEASON 7	JULY	HYDRO AP 1 0	HYDRO IM 2 0	RACINE 3 0
YEAR 2011	SEASONAL HYDRO ENERGY	RATIO	0.06	0.07	0.09
YEAR 2012	SEASONAL HYDRO ENERGY	RATIO	0.06	0.07	0.08
YEAR 2013	SEASONAL HYDRO ENERGY	RATIO	0.06	0.07	0.08
YEAR 2014	SEASONAL HYDRO ENERGY	RATIO	0.06	0.07	0.08
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT, HYDRO UNIT.

SEASON 7		JULY		
HYDRO UNIT		1	2	3
		HYDRO AP	HYDRO IM	RACINE
---	YEAR 2036	0	0	0
---	YEAR 2037			
---	YEAR 2038			
---	YEAR 2039			
---	YEAR 2040			

SEASON 8		AUGUST		
HYDRO UNIT		1	2	3
		HYDRO AP	HYDRO IM	RACINE
---	YEAR 2011	0	0	0
---	SEASONAL HYDRO ENERGY	0.05	0.06	0.05
---	YEAR 2012			
---	SEASONAL HYDRO ENERGY	0.05	0.06	0.07
---	YEAR 2013			
---	SEASONAL HYDRO ENERGY	0.05	0.06	0.07
---	YEAR 2014			
---	SEASONAL HYDRO ENERGY	0.05	0.06	0.07
---	YEAR 2015			
---	YEAR 2016			
---	YEAR 2017			
---	YEAR 2018			
---	YEAR 2019			
---	YEAR 2020			
---	YEAR 2021			
---	YEAR 2022			
---	YEAR 2023			
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---	YEAR 2038			
---	YEAR 2039			
---	YEAR 2040			

SEASON 9		SEPTEMBER		
HYDRO UNIT		1	2	3
		HYDRO AP	HYDRO IM	RACINE
---	YEAR 2011	0	0	0
---	SEASONAL HYDRO ENERGY	0.05	0.06	0.05
---	YEAR 2012			
---	SEASONAL HYDRO ENERGY	0.04	0.06	0.07
---	YEAR 2013			
---	SEASONAL HYDRO ENERGY	0.04	0.06	0.07
---	YEAR 2014			

SEASONAL HYDRO ENERGY	RATIO	0.05	0.06	0.07
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				
----- YEAR 2018 -----				
----- YEAR 2019 -----				
----- YEAR 2020 -----				
----- YEAR 2021 -----				
----- YEAR 2022 -----				
----- YEAR 2023 -----				
----- YEAR 2024 -----				
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----- YEAR 2026 -----				
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----- YEAR 2030 -----				
----- YEAR 2031 -----				
----- YEAR 2032 -----				
----- YEAR 2033 -----				
----- YEAR 2034 -----				
----- YEAR 2035 -----				
----- YEAR 2036 -----				
----- YEAR 2037 -----				
----- YEAR 2038 -----				
----- YEAR 2039 -----				
----- YEAR 2040 -----				

SEASONAL HYDRO ENERGY	RATIO	0.06	0.07	0.08

HYDRO UNIT	SEASON 10	OCTOBER	1	2	3
-----	-----	-----	HYDRO AP	HYDRO IM	RACINE
			0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.HYDRO UNIT.

HYDRO UNIT	SEASON 10 OCTOBER		
	1 HYDRO AP 0	2 HYDRO IM 0	3 RACINE 0
SEASONAL HYDRO ENERGY	RATIO	0.06	0.06
YEAR 2012			0.08
SEASONAL HYDRO ENERGY	RATIO	0.06	0.08
YEAR 2013			
SEASONAL HYDRO ENERGY	RATIO	0.06	0.07
YEAR 2014			0.08
SEASONAL HYDRO ENERGY	RATIO	0.06	0.07
YEAR 2015			
YEAR 2016			
YEAR 2017			
YEAR 2018			
YEAR 2019			
YEAR 2020			
YEAR 2021			
YEAR 2022			
YEAR 2023			
YEAR 2024			
YEAR 2025			
YEAR 2026			
YEAR 2027			
YEAR 2028			
YEAR 2029			
YEAR 2030			
YEAR 2031			
YEAR 2032			
YEAR 2033			
YEAR 2034			
YEAR 2035			
YEAR 2036			
YEAR 2037			
YEAR 2038			
YEAR 2039			
YEAR 2040			

HYDRO UNIT	SEASON 11 NOVEMBER		
	1 HYDRO AP 0	2 HYDRO IM 0	3 RACINE 0
SEASONAL HYDRO ENERGY	RATIO	0.07	0.08
YEAR 2011			0.10
SEASONAL HYDRO ENERGY	RATIO	0.07	0.08
YEAR 2012			0.09
SEASONAL HYDRO ENERGY	RATIO	0.07	0.08
YEAR 2013			
SEASONAL HYDRO ENERGY	RATIO	0.07	0.08
YEAR 2014			0.09
SEASONAL HYDRO ENERGY	RATIO	0.07	0.08
YEAR 2015			
YEAR 2016			
YEAR 2017			
YEAR 2018			
YEAR 2019			
YEAR 2020			
YEAR 2021			
YEAR 2022			

----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

```

===== SEASON 12 DECEMBER =====
HYDRO UNIT          HYDRO AP 1          HYDRO IM 2          RACINE 3
                    0          0          0
----- YEAR 2011 -----
SEASONAL HYDRO ENERGY          RATIO          0.08          0.10          0.09
----- YEAR 2012 -----
SEASONAL HYDRO ENERGY          RATIO          0.08          0.10          0.09
----- YEAR 2013 -----
SEASONAL HYDRO ENERGY          RATIO          0.08          0.10          0.09
----- YEAR 2014 -----
SEASONAL HYDRO ENERGY          RATIO          0.09          0.10          0.09
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
  
```

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.HYDRO UNIT.

HYDRO UNIT SEASON 12 DECEMBER

	1	2	3
	HYDRO AP	HYDRO IM	RACINE
	0	0	0

----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.INTERCHANGE.

	1	2	3	4	5	6	7
INTERCHANGE SYSTEM							
AIR BASIN POINTER	OPCO+CSP	I&M	APCO	KPCO	WD_MKTP	WN_MKTP	WE_MKTP
COMPANY REFERENCE	1	1	1	1	1	1	1
ESCALATION RUNNING RATE PEAK	OPCO+CSP	I&M	APCO	KPCO			
INTERCHANGE SYSTEM							
AIR BASIN POINTER	WD_MKTS	WN_MKTS	WE_MKTS				
COMPANY REFERENCE	8	9	10				
ESCALATION RUNNING RATE PEAK	1	1	1				

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.INTERCHANGE.

TRANSMISSION LINK	1	2	3	4	5	6	7
ESCALATION FIRST CONNECT CHARGES							
ESCALATION SECOND CONNECT CHARGE							
FIRST SYSTEM REFERENCE	WD MKTP	WN MKTP	WE MKTP	WD MKTS	WN MKTS	WE MKTS	WD MKTP
SECOND SYSTEM REFERENCE	OPCO+CSP	OPCO+CSP	OPCO+CSP	OPCO+CSP	OPCO+CSP	OPCO+CSP	I&M
THIRD PARTY METHOD	1	1	1	1	1	1	1

TRANSMISSION LINK	8	9	10	11	12	13	14
ESCALATION FIRST CONNECT CHARGES							
ESCALATION SECOND CONNECT CHARGE							
FIRST SYSTEM REFERENCE	WN MKTP	WE MKTP	WD MKTS	WN MKTS	WE MKTS	WD MKTP	WN MKTP
SECOND SYSTEM REFERENCE	I&M	I&M	I&M	I&M	I&M	AFCO	AFCO
THIRD PARTY METHOD	1	1	1	1	1	1	1

TRANSMISSION LINK	15	16	17	18	19	20	21
ESCALATION FIRST CONNECT CHARGES							
ESCALATION SECOND CONNECT CHARGE							
FIRST SYSTEM REFERENCE	WE MKTP	WD MKTS	WN MKTS	WE MKTS	WD MKTP	WN MKTP	WE MKTP
SECOND SYSTEM REFERENCE	AFCO	AFCO	AFCO	AFCO	KFCO	KFCO	KFCO
THIRD PARTY METHOD	1	1	1	1	1	1	1

TRANSMISSION LINK	22	23	24
ESCALATION FIRST CONNECT CHARGES			
ESCALATION SECOND CONNECT CHARGE			
FIRST SYSTEM REFERENCE	WD MKTS	WN MKTS	WE MKTS
SECOND SYSTEM REFERENCE	KFCO	KFCO	KFCO
THIRD PARTY METHOD	1	1	1

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.INTERCHANGE.

INTERCHANGE SYSTEM		1	2	3	4	5	6	7
OFCO+CSP		I&M	APCO	KPCO	WD_MKTP	WR_MKTP	WE_MKTP	
-----	YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ANNUAL RUNNING RATE PEAK VALUE	\$/MMH	0	0	0	0	0	0	0
EXTERNAL SYSTEM DATA GROUP	POINTNER	0	0	0	0	0	0	0
INTERCHANGE PARTICIPATION	%	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RUNNING RATE CURVE POINTNER		0	0	0	0	11	11	11
SEASONAL RUNNING RATE PROFILE		0	0	0	0	0	0	0
-----	YEAR 2012	0	0	0	0	12	12	12
RUNNING RATE CURVE POINTNER								
-----	YEAR 2013	0	0	0	0	13	13	13
RUNNING RATE CURVE POINTNER								
-----	YEAR 2014	0	0	0	0	14	14	14
RUNNING RATE CURVE POINTNER								
-----	YEAR 2015	0	0	0	0	15	15	15
RUNNING RATE CURVE POINTNER								
-----	YEAR 2016	0	0	0	0	16	16	16
RUNNING RATE CURVE POINTNER								
-----	YEAR 2017	0	0	0	0	17	17	17
RUNNING RATE CURVE POINTNER								
-----	YEAR 2018	0	0	0	0	18	18	18
RUNNING RATE CURVE POINTNER								
-----	YEAR 2019	0.00	1.00	0.00	0.00	0.00	0.00	0.00
ANNUAL RUNNING RATE PEAK VALUE	\$/MMH	0	0	0	0	19	19	19
RUNNING RATE CURVE POINTNER								
-----	YEAR 2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ANNUAL RUNNING RATE PEAK VALUE	\$/MMH	0	0	0	0	20	20	20
RUNNING RATE CURVE POINTNER								
-----	YEAR 2021	0	0	0	0	21	21	21
RUNNING RATE CURVE POINTNER								
-----	YEAR 2022	0	0	0	0	22	22	22
RUNNING RATE CURVE POINTNER								
-----	YEAR 2023	0	0	0	0	23	23	23
RUNNING RATE CURVE POINTNER								
-----	YEAR 2024	0	0	0	0	24	24	24
RUNNING RATE CURVE POINTNER								
-----	YEAR 2025	0	0	0	0	25	25	25
RUNNING RATE CURVE POINTNER								
-----	YEAR 2026	0	0	0	0	26	26	26
RUNNING RATE CURVE POINTNER								
-----	YEAR 2027	0	0	0	0	27	27	27
RUNNING RATE CURVE POINTNER								
-----	YEAR 2028	0	0	0	0	28	28	28
RUNNING RATE CURVE POINTNER								
-----	YEAR 2029	0	0	0	0	29	29	29
RUNNING RATE CURVE POINTNER								
-----	YEAR 2030	0	0	0	0	30	30	30
RUNNING RATE CURVE POINTNER								
-----	YEAR 2031	0	0	0	0	31	31	31
RUNNING RATE CURVE POINTNER								
-----	YEAR 2032	0	0	0	0	32	32	32
RUNNING RATE CURVE POINTNER								
-----	YEAR 2033	0	0	0	0	33	33	33
RUNNING RATE CURVE POINTNER								
-----	YEAR 2034	0	0	0	0	34	34	34
RUNNING RATE CURVE POINTNER								
-----	YEAR 2035	0	0	0	0	35	35	35
RUNNING RATE CURVE POINTNER								
-----	YEAR 2036	0	0	0	0	36	36	36
RUNNING RATE CURVE POINTNER								
-----	YEAR 2037	0	0	0	0	37	37	37
RUNNING RATE CURVE POINTNER								
-----	YEAR 2038	0	0	0	0	38	38	38
RUNNING RATE CURVE POINTNER								
-----	YEAR 2039	0	0	0	0	39	39	39
RUNNING RATE CURVE POINTNER								
-----	YEAR 2040	0	0	0	0	40	40	40
RUNNING RATE CURVE POINTNER								

INTERCHANGE SYSTEM

	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	
ANNUAL RUNNING RATE PEAK VALUE																			
EXPERIAL SYSTEM DATA GROUP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTERCHANGE PARTICIPATION	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RUNNING RATE CURVE POINTER	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
SEASONAL RUNNING RATE PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
----- YEAR 2011 -----																			
RUNNING RATE CURVE POINTER	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
----- YEAR 2013 -----																			
RUNNING RATE CURVE POINTER	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
----- YEAR 2014 -----																			
RUNNING RATE CURVE POINTER	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
----- YEAR 2015 -----																			
RUNNING RATE CURVE POINTER	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
----- YEAR 2016 -----																			
RUNNING RATE CURVE POINTER	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
----- YEAR 2017 -----																			
RUNNING RATE CURVE POINTER	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
----- YEAR 2018 -----																			
RUNNING RATE CURVE POINTER	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
----- YEAR 2019 -----																			
RUNNING RATE CURVE POINTER	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
----- YEAR 2020 -----																			
RUNNING RATE CURVE POINTER	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
----- YEAR 2021 -----																			
RUNNING RATE CURVE POINTER	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
----- YEAR 2022 -----																			
RUNNING RATE CURVE POINTER	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
----- YEAR 2023 -----																			
RUNNING RATE CURVE POINTER	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
----- YEAR 2024 -----																			
RUNNING RATE CURVE POINTER	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
----- YEAR 2025 -----																			
RUNNING RATE CURVE POINTER	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
----- YEAR 2026 -----																			
RUNNING RATE CURVE POINTER	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
----- YEAR 2027 -----																			
RUNNING RATE CURVE POINTER	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
----- YEAR 2028 -----																			
RUNNING RATE CURVE POINTER	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.INTERCHANGE.

INTERCHANGE SYSTEM		WD_MKTS	WN_MKTS	WE_MKTS
YEAR 2029	YEAR 2030	8	9	10
-----	-----			
RUNNING RATE CURVE POINTER	RUNNING RATE CURVE POINTER	59	59	59
-----	-----			
YEAR 2030	YEAR 2031			
-----	-----			
RUNNING RATE CURVE POINTER	RUNNING RATE CURVE POINTER	60	60	60
-----	-----			
YEAR 2031	YEAR 2032			
-----	-----			
RUNNING RATE CURVE POINTER	RUNNING RATE CURVE POINTER	61	61	61
-----	-----			
YEAR 2032	YEAR 2033			
-----	-----			
RUNNING RATE CURVE POINTER	RUNNING RATE CURVE POINTER	62	62	62
-----	-----			
YEAR 2033	YEAR 2034			
-----	-----			
RUNNING RATE CURVE POINTER	RUNNING RATE CURVE POINTER	63	63	63
-----	-----			
YEAR 2034	YEAR 2035			
-----	-----			
RUNNING RATE CURVE POINTER	RUNNING RATE CURVE POINTER	64	64	64
-----	-----			
YEAR 2035	YEAR 2036			
-----	-----			
RUNNING RATE CURVE POINTER	RUNNING RATE CURVE POINTER	65	65	65
-----	-----			
YEAR 2036	YEAR 2037			
-----	-----			
RUNNING RATE CURVE POINTER	RUNNING RATE CURVE POINTER	66	66	66
-----	-----			
YEAR 2037	YEAR 2038			
-----	-----			
RUNNING RATE CURVE POINTER	RUNNING RATE CURVE POINTER	67	67	67
-----	-----			
YEAR 2038	YEAR 2039			
-----	-----			
RUNNING RATE CURVE POINTER	RUNNING RATE CURVE POINTER	68	68	68
-----	-----			
YEAR 2039	YEAR 2040			
-----	-----			
RUNNING RATE CURVE POINTER	RUNNING RATE CURVE POINTER	69	69	69
-----	-----			
YEAR 2040				
-----	-----			
RUNNING RATE CURVE POINTER	RUNNING RATE CURVE POINTER	70	70	70

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.INTERCHANGE.

	1	2	3	4	5	6	7
	OPCO+HSP	I&M	APCO	KPCO	WD_MKTP	WN_MKTP	WE_MKTP
INTERCHANGE SYSTEM							
EFFLUENT							
1 SO2 (E)	0	0	0	0	0	0	0
EFFLUENT POINTER							
2 CO2 (S)	0	0	0	0	0	0	0
EFFLUENT POINTER							
3 CO2 (G)	0	0	0	0	0	0	0
EFFLUENT POINTER							
4 NOX (B)	0	0	0	0	0	0	0
EFFLUENT POINTER							
5 NSR SO2	0	0	0	0	0	0	0
EFFLUENT POINTER							
6 HG (E)	0	0	0	0	0	0	0
EFFLUENT POINTER							
INTERCHANGE SYSTEM							
EFFLUENT							
	WD_MKTS	8	WN_MKTS	9	WE_MKTS	10	
1 SO2 (E)	0	0	0	0			
EFFLUENT POINTER							
2 CO2 (S)	0	0	0	0			
EFFLUENT POINTER							
3 CO2 (G)	0	0	0	0			
EFFLUENT POINTER							
4 NOX (B)	0	0	0	0			
EFFLUENT POINTER							
5 NSR SO2	0	0	0	0			
EFFLUENT POINTER							
6 HG (E)	0	0	0	0			
EFFLUENT POINTER							

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.INTERCHANGE.

TRANSMISSION LINK								
YEAR 2011		1	2	3	4	5	6	7
FIRST CONNECTION CHARGES	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIRST CONNECTION PROFILE	POINTNER	0	0	0	0	0	0	0
FIRST LOSS POINTNER	%	0	0	0	0	0	0	0
FIRST SYSTEM FIRM IMPORT	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIRST TIE AVAILABILITY	%	100.00	100.00	100.00	100.00	100.00	100.00	100.00
FIRST TIE LIMIT POINTNER	POINTNER	1	1	1	2	2	2	1
FIRST TRANSFER POINT	FRACTION	0.50	0.50	0.50	0.50	0.50	0.50	0.50
FIRST TRANSFER PROFILE	\$/MWH	0	0	0	0	0	0	0
SECOND CONNECTION CHARGES	POINTNER	0	0	0	0	0	0	0
SECOND CONNECTION PROFILE	%	0	0	0	0	0	0	0
SECOND SYSTEM FIRM IMPORT	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SECOND TIE AVAILABILITY	POINTNER	2	2	2	1	1	1	2
SECOND TIE LIMIT POINTNER	FRACTION	0.50	0.50	0.50	0	0	0	0
SECOND TRANSFER POINT		0	0	0	0	0	0	0
SECOND TRANSFER PROFILE								

YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040										
TRANSMISSION LINK																																						
YEAR 2011																																						
FIRST CONNECTION CHARGES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
FIRST CONNECTION PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FIRST LOSS POINTNER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FIRST SYSTEM FIRM IMPORT	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
FIRST TIE AVAILABILITY	%	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
FIRST TIE LIMIT POINTNER	POINTNER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
FIRST TRANSFER POINT	FRACTION	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	
FIRST TRANSFER PROFILE	\$/MWH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SECOND CONNECTION CHARGES	POINTNER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SECOND CONNECTION PROFILE	%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SECOND SYSTEM FIRM IMPORT	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
SECOND TIE AVAILABILITY	POINTNER	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
SECOND TIE LIMIT POINTNER	FRACTION	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50		
SECOND TRANSFER POINT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SECOND TRANSFER PROFILE																																						

4-Company East Optimization

----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
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 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
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 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

TRANSMISSION LINK

YEAR 2011	15	16	17	18	19	20	21
FIRST CONNECTION CHARGES	0.00	0.00	0.00	0.00	0.00	0.00	0.00
\$/MMH							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.INTERCHANGE.

TRANSMISSION LINK	15	16	17	18	19	20	21
----- YEAR 2011 -----							
FIRST CONNECTION PROFILE	0	0	0	0	0	0	0
FIRST LOSS POINTER	0	0	0	0	0	0	0
FIRST SYSTEM FIRM IMPORT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIRST TIE AVAILABILITY	100.00	100.00	100.00	100.00	100.00	100.00	100.00
FIRST TIE LIMIT POINTER	1	2	2	2	1	1	1
FIRST TRANSFER POINT	0.50	0.50	0.50	0.50	0.50	0.50	0.50
FIRST TRANSFER PROFILE	0	0	0	0	0	0	0
SECOND CONNECTION CHARGES	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
SECOND LOSS POINTER	0	0	0	0	0	0	0
SECOND SYSTEM FIRM IMPORT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SECOND TIE AVAILABILITY	100.00	100.00	100.00	100.00	100.00	100.00	100.00
SECOND TIE LIMIT POINTER	2	1	1	1	2	2	2
SECOND TRANSFER POINT	0.50	0.50	0.50	0.50	0.50	0.50	0.50
SECOND TRANSFER PROFILE	0	0	0	0	0	0	0

----- YEAR 2012 -----	22	23	24	120
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				
----- YEAR 2018 -----				
----- YEAR 2019 -----				
----- YEAR 2020 -----				
----- YEAR 2021 -----				
----- YEAR 2022 -----				
----- YEAR 2023 -----				
----- YEAR 2024 -----				
----- YEAR 2025 -----				
----- YEAR 2026 -----				
----- YEAR 2027 -----				
----- YEAR 2028 -----				
----- YEAR 2029 -----				
----- YEAR 2030 -----				
----- YEAR 2031 -----				
----- YEAR 2032 -----				
----- YEAR 2033 -----				
----- YEAR 2034 -----				
----- YEAR 2035 -----				
----- YEAR 2036 -----				
----- YEAR 2037 -----				
----- YEAR 2038 -----				
----- YEAR 2039 -----				
----- YEAR 2040 -----				

TRANSMISSION LINK	22	23	24	120
----- YEAR 2011 -----				
FIRST CONNECTION CHARGES	\$/MWH	0.00	0.00	0.00
FIRST CONNECTION PROFILE	0	0	0	0
FIRST LOSS POINTER	0	0	0	0
FIRST SYSTEM FIRM IMPORT	0.00	0.00	0.00	0.00
FIRST TIE AVAILABILITY	100.00	100.00	100.00	100.00
FIRST TIE LIMIT POINTER	2	2	2	0
FIRST TRANSFER POINT	0.50	0.50	0.50	0.50
FIRST TRANSFER PROFILE	0	0	0	0
SECOND CONNECTION CHARGES	\$/MWH	0.00	0.00	0.00
SECOND LOSS POINTER	0	0	0	0
SECOND SYSTEM FIRM IMPORT	0.00	0.00	0.00	0.00
SECOND TIE AVAILABILITY	100.00	100.00	100.00	100.00
SECOND TIE LIMIT POINTER	1	1	1	0
SECOND TRANSFER POINT	0.50	0.50	0.50	0.50
SECOND TRANSFER PROFILE	0	0	0	0

4-Company East Optimization

SECOND TIE LIMIT POINTER	1	1	1	300
----- YEAR 2013 -----				
----- YEAR 2014 -----				
SECOND TIE LIMIT POINTER	1	1	1	298
----- YEAR 2015 -----				
SECOND TIE LIMIT POINTER	1	1	1	290
----- YEAR 2016 -----				
SECOND TIE LIMIT POINTER	1	1	1	300
----- YEAR 2017 -----				
SECOND TIE LIMIT POINTER	1	1	1	266
----- YEAR 2018 -----				
SECOND TIE LIMIT POINTER	1	1	1	300
----- YEAR 2019 -----				
SECOND TIE LIMIT POINTER	1	1	1	258
----- YEAR 2020 -----				
SECOND TIE LIMIT POINTER	1	1	1	242
----- YEAR 2021 -----				
SECOND TIE LIMIT POINTER	1	1	1	300
----- YEAR 2022 -----				
SECOND TIE LIMIT POINTER	1	1	1	210
----- YEAR 2023 -----				
SECOND TIE LIMIT POINTER	1	1	1	202
----- YEAR 2024 -----				
SECOND TIE LIMIT POINTER	1	1	1	258
----- YEAR 2025 -----				
SECOND TIE LIMIT POINTER	1	1	1	170
----- YEAR 2026 -----				
SECOND TIE LIMIT POINTER	1	1	1	258
----- YEAR 2027 -----				
SECOND TIE LIMIT POINTER	1	1	1	0
----- YEAR 2028 -----				
SECOND TIE LIMIT POINTER	1	1	1	
----- YEAR 2029 -----				
SECOND TIE LIMIT POINTER	1	1	1	
----- YEAR 2030 -----				
SECOND TIE LIMIT POINTER	1	1	1	
----- YEAR 2031 -----				
SECOND TIE LIMIT POINTER	1	1	1	
----- YEAR 2032 -----				
SECOND TIE LIMIT POINTER	1	1	1	
----- YEAR 2033 -----				
SECOND TIE LIMIT POINTER	1	1	1	
----- YEAR 2034 -----				
SECOND TIE LIMIT POINTER	1	1	1	
----- YEAR 2035 -----				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.INTERCHANGE.

TRANSMISSION LINK	22	23	24	120
----- YEAR 2036 -----				
----- YEAR 2037 -----				
----- YEAR 2038 -----				
----- YEAR 2039 -----				
----- YEAR 2040 -----				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.INTERCHANGE.

TRANSMISSION LIMIT PROFILE

		1	2
	0 MW_TIE	UNLIMIT	
----- SEASON 1 JANUARY -----	MW	0.00	999999.00
TIE LIMIT			
----- SEASON 2 FEBRUARY -----	MW	0.00	999999.00
TIE LIMIT			
----- SEASON 3 MARCH -----	MW	0.00	999999.00
TIE LIMIT			
----- SEASON 4 APRIL -----	MW	0.00	999999.00
TIE LIMIT			
----- SEASON 5 MAY -----	MW	0.00	999999.00
TIE LIMIT			
----- SEASON 6 JUNE -----	MW	0.00	999999.00
TIE LIMIT			
----- SEASON 7 JULY -----	MW	0.00	999999.00
TIE LIMIT			
----- SEASON 8 AUGUST -----	MW	0.00	999999.00
TIE LIMIT			
----- SEASON 9 SEPTEMBER -----	MW	0.00	999999.00
TIE LIMIT			
----- SEASON 10 OCTOBER -----	MW	0.00	999999.00
TIE LIMIT			
----- SEASON 11 NOVEMBER -----	MW	0.00	999999.00
TIE LIMIT			
----- SEASON 12 DECEMBER -----	MW	0.00	999999.00
TIE LIMIT			

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PUMP STORAGE UNIT.

PUMPED STORAGE UNIT		
ATR BASIN POINTER		1
COMMISSION MONTH		SMITH MT
COMMISSION YEAR		0
COMMITMENT CONTRIBUTION	MONTH	
ESCALATION ANCIILIARY REVENUE		1
ESCALATION CAPACITY REVENUE		1
ESCALATION FIXED COSTS		2011
ESCALATION MINIMUM SAVING		N
ESCALATION VARIABLE COSTS		
FUEL TYPE	FUEL ID	
RETIREMENT MONTH	MONTH	0
RETIREMENT YEAR	YEAR	12
SOURCE INDEX NUMBER		2045
SPINNING CONTRIBUTION		0
SYSTEM AGGREGATE POINTER	%	100.00
UNIT DISPATCH METHOD		0
		1

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PUMP STORAGE UNIT.

PUMPED STORAGE UNIT

SMITH MT
0

----- YEAR 2011 -----		
ANCILLARY REVENUE RATE	\$/MWH	0.00
CAPACITY REVENUE PROFILE		0
CAPACITY REVENUE RATE	\$/KW	0.00
CYCLE EFFICIENCY	%	70.00
ENERGY MARGIN CAPACITY FACTOR	FRACTION	0.00
FIXED COSTS	\$000	0.00
GENERATION CAP POINTER		0
GENERATION CAPACITY	MW	586.00
HEAT RATE	BTU/MWH	0.00
MINIMUM SAVINGS	\$/MWH	-8.30
PERCENT FIRM	%	100.00
POND LIMIT	MWH	5900.00
PUMPING CAP POINTER		0
PUMPING CAPACITY	MW	300.00
RENEWABLE ENERGY CREDIT	RATIO	0.00
VARIABLE O AND M COSTS	\$/MWH	0.00

----- YEAR 2012 -----		
MINIMUM SAVINGS	\$/MWH	-8.80
----- YEAR 2013 -----		
MINIMUM SAVINGS	\$/MWH	-8.70
----- YEAR 2014 -----		
MINIMUM SAVINGS	\$/MWH	-9.00

----- YEAR 2015 -----		
----- YEAR 2016 -----		
----- YEAR 2017 -----		
----- YEAR 2018 -----		
----- YEAR 2019 -----		
----- YEAR 2020 -----		
----- YEAR 2021 -----		
----- YEAR 2022 -----		
----- YEAR 2023 -----		
----- YEAR 2024 -----		
----- YEAR 2025 -----		
----- YEAR 2026 -----		
----- YEAR 2027 -----		
----- YEAR 2028 -----		
----- YEAR 2029 -----		
----- YEAR 2030 -----		
----- YEAR 2031 -----		
----- YEAR 2032 -----		
----- YEAR 2033 -----		
----- YEAR 2034 -----		
----- YEAR 2035 -----		
----- YEAR 2036 -----		
----- YEAR 2037 -----		
----- YEAR 2038 -----		
----- YEAR 2039 -----		
----- YEAR 2040 -----		

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PUMP STORAGE UNIT.

PUMPED STORAGE UNIT

1
SMITH MW
0

EFFLUENT
1 SO2 (E)
EFFLUENT POINTER 0
2 CO2 (S)
EFFLUENT POINTER 0
3 CO2 (G)
EFFLUENT POINTER 0
4 NOX (E)
EFFLUENT POINTER 0
5 NSR SO2
EFFLUENT POINTER 0
6 HG (E)
EFFLUENT POINTER 0

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PUMP STORAGE UNIT.

PUMPED STORAGE UNIT	
	SMITH MT
----- SEASON 1 JANUARY -----	1.00
WEEKLY POND CYCLES	
----- SEASON 2 FEBRUARY -----	1.00
WEEKLY POND CYCLES	
----- SEASON 3 MARCH -----	1.00
WEEKLY POND CYCLES	
----- SEASON 4 APRIL -----	1.00
WEEKLY POND CYCLES	
----- SEASON 5 MAY -----	1.00
WEEKLY POND CYCLES	
----- SEASON 6 JUNE -----	1.00
WEEKLY POND CYCLES	
----- SEASON 7 JULY -----	1.00
WEEKLY POND CYCLES	
----- SEASON 8 AUGUST -----	1.00
WEEKLY POND CYCLES	
----- SEASON 9 SEPTEMBER -----	1.00
WEEKLY POND CYCLES	
----- SEASON 10 OCTOBER -----	1.00
WEEKLY POND CYCLES	
----- SEASON 11 NOVEMBER -----	1.00
WEEKLY POND CYCLES	
----- SEASON 12 DECEMBER -----	1.00
WEEKLY POND CYCLES	

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PUMP STORAGE UNIT.

GENERATING COMPANIES
PUMPED STORAGE UNIT

1 OPCO+CSP
1
SMITH MT
0

OWNER	YEAR	RATIO
OWNER	YEAR 2011	
OWNER	YEAR 2012	
OWNER	YEAR 2013	
OWNER	YEAR 2014	
OWNER	YEAR 2015	
OWNER	YEAR 2016	
OWNER	YEAR 2017	
OWNER	YEAR 2018	
OWNER	YEAR 2019	
OWNER	YEAR 2020	
OWNER	YEAR 2021	
OWNER	YEAR 2022	
OWNER	YEAR 2023	
OWNER	YEAR 2024	
OWNER	YEAR 2025	
OWNER	YEAR 2026	
OWNER	YEAR 2027	
OWNER	YEAR 2028	
OWNER	YEAR 2029	
OWNER	YEAR 2030	
OWNER	YEAR 2031	
OWNER	YEAR 2032	
OWNER	YEAR 2033	
OWNER	YEAR 2034	
OWNER	YEAR 2035	
OWNER	YEAR 2036	
OWNER	YEAR 2037	
OWNER	YEAR 2038	
OWNER	YEAR 2039	
OWNER	YEAR 2040	

GENERATING COMPANIES
PUMPED STORAGE UNIT

2 IAW
1
SMITH MT
0

OWNER YEAR 2011 RATIO 0.00

OWNER YEAR 2012

OWNER YEAR 2013

OWNER YEAR 2014

OWNER YEAR 2015

OWNER YEAR 2016

OWNER YEAR 2017

OWNER YEAR 2018

OWNER YEAR 2019

OWNER YEAR 2020

OWNER YEAR 2021

OWNER YEAR 2022

OWNER YEAR 2023

OWNER YEAR 2024

----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

GENERATING COMPANIES
 PUMPSD STORAGE UNIT

3 ARCO
 1 SMITH MT
 0

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----

OWNERSHIP RATIO
 RATIO
 1.00

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.PUMP STORAGE UNIT.

GENERATING COMPANIES	3	APCO	1
PUMPED STORAGE UNIT		SMITH	MT
			0

-----	YEAR 2023	-----
-----	YEAR 2024	-----
-----	YEAR 2025	-----
-----	YEAR 2026	-----
-----	YEAR 2027	-----
-----	YEAR 2028	-----
-----	YEAR 2029	-----
-----	YEAR 2030	-----
-----	YEAR 2031	-----
-----	YEAR 2032	-----
-----	YEAR 2033	-----
-----	YEAR 2034	-----
-----	YEAR 2035	-----
-----	YEAR 2036	-----
-----	YEAR 2037	-----
-----	YEAR 2038	-----
-----	YEAR 2039	-----
-----	YEAR 2040	-----

GENERATING COMPANIES	4	KECO	1
PUMPED STORAGE UNIT		SMITH	MT
			0

OWNERSHIP RATIO	RATIO	0.00
-----------------	-------	------

-----	YEAR 2011	-----
-----	YEAR 2012	-----
-----	YEAR 2013	-----
-----	YEAR 2014	-----
-----	YEAR 2015	-----
-----	YEAR 2016	-----
-----	YEAR 2017	-----
-----	YEAR 2018	-----
-----	YEAR 2019	-----
-----	YEAR 2020	-----
-----	YEAR 2021	-----
-----	YEAR 2022	-----
-----	YEAR 2023	-----
-----	YEAR 2024	-----
-----	YEAR 2025	-----
-----	YEAR 2026	-----
-----	YEAR 2027	-----
-----	YEAR 2028	-----
-----	YEAR 2029	-----
-----	YEAR 2030	-----
-----	YEAR 2031	-----
-----	YEAR 2032	-----
-----	YEAR 2033	-----
-----	YEAR 2034	-----
-----	YEAR 2035	-----
-----	YEAR 2036	-----

4-Company Past Optimization

----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PUMP STORAGE UNIT.

===== SEASON 1 JANUARY =====
PUMPED STORAGE UNIT
SMITH MT
0

SEASONAL ENERGY	MMH	
YEAR 2011	-10600.00	
YEAR 2012		
YEAR 2013		
YEAR 2014		
YEAR 2015		
YEAR 2016		
YEAR 2017		
YEAR 2018		
YEAR 2019		
YEAR 2020		
YEAR 2021		
YEAR 2022		
YEAR 2023		
YEAR 2024		
YEAR 2025		
YEAR 2026		
YEAR 2027		
YEAR 2028		
YEAR 2029		
YEAR 2030		
YEAR 2031		
YEAR 2032		
YEAR 2033		
YEAR 2034		
YEAR 2035		
YEAR 2036		
YEAR 2037		
YEAR 2038		
YEAR 2039		
YEAR 2040		

===== SEASON 2 FEBRUARY =====
PUMPED STORAGE UNIT
SMITH MT
0

SEASONAL ENERGY	MMH	
YEAR 2011	-11800.00	
YEAR 2012		
YEAR 2013		
YEAR 2014		
YEAR 2015		
YEAR 2016		
YEAR 2017		
YEAR 2018		
YEAR 2019		
YEAR 2020		
YEAR 2021		
YEAR 2022		
YEAR 2023		
YEAR 2024		

```

YEAR 2025 -----
YEAR 2026 -----
YEAR 2027 -----
YEAR 2028 -----
YEAR 2029 -----
YEAR 2030 -----
YEAR 2031 -----
YEAR 2032 -----
YEAR 2033 -----
YEAR 2034 -----
YEAR 2035 -----
YEAR 2036 -----
YEAR 2037 -----
YEAR 2038 -----
YEAR 2039 -----
YEAR 2040 -----
    
```

```

PUMPED STORAGE UNIT     SEASON 3     MARCH -----
                            SMITH MT     1
                            0
    
```

```

YEAR 2011 -----
SEASONAL ENERGY              MMH             -16800.00
YEAR 2012 -----
YEAR 2013 -----
YEAR 2014 -----
YEAR 2015 -----
YEAR 2016 -----
YEAR 2017 -----
YEAR 2018 -----
YEAR 2019 -----
YEAR 2020 -----
YEAR 2021 -----
YEAR 2022 -----
    
```

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.PUMP STORAGE UNIT.

PUMPED STORAGE UNIT	SEASON 3	MARCH	SMITH MT
			1
			0

-----	YEAR 2023	-----
-----	YEAR 2024	-----
-----	YEAR 2025	-----
-----	YEAR 2026	-----
-----	YEAR 2027	-----
-----	YEAR 2028	-----
-----	YEAR 2029	-----
-----	YEAR 2030	-----
-----	YEAR 2031	-----
-----	YEAR 2032	-----
-----	YEAR 2033	-----
-----	YEAR 2034	-----
-----	YEAR 2035	-----
-----	YEAR 2036	-----
-----	YEAR 2037	-----
-----	YEAR 2038	-----
-----	YEAR 2039	-----
-----	YEAR 2040	-----

PUMPED STORAGE UNIT	SPASON 4	APRIL	SMITH MT
			1
			0

SEASONAL ENERGY	MWH	-15600.00
-----------------	-----	-----------

-----	YEAR 2011	-----
-----	YEAR 2012	-----
-----	YEAR 2013	-----
-----	YEAR 2014	-----
-----	YEAR 2015	-----
-----	YEAR 2016	-----
-----	YEAR 2017	-----
-----	YEAR 2018	-----
-----	YEAR 2019	-----
-----	YEAR 2020	-----
-----	YEAR 2021	-----
-----	YEAR 2022	-----
-----	YEAR 2023	-----
-----	YEAR 2024	-----
-----	YEAR 2025	-----
-----	YEAR 2026	-----
-----	YEAR 2027	-----
-----	YEAR 2028	-----
-----	YEAR 2029	-----
-----	YEAR 2030	-----
-----	YEAR 2031	-----
-----	YEAR 2032	-----
-----	YEAR 2033	-----
-----	YEAR 2034	-----
-----	YEAR 2035	-----
-----	YEAR 2036	-----

```

----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

```

```

===== SEASON 5 MAY =====
PUMPED STORAGE UNIT SMITH MT 1
                           0

```

```

----- YEAR 2011 -----
SEASONAL ENERGY           MWH           -10900.00
----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----

```

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF, INPUT, PUMP STORAGE UNIT.

PUMPED STORAGE UNIT	SEASON 5	MAY	=====	1
				SMITH MT
				0

----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

PUMPED STORAGE UNIT	SEASON 6	JUNE	=====	1
				SMITH MT
				0

SEASONAL ENERGY	MWH	-6800.00
-----------------	-----	----------

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

PUMPED STORAGE UNIT	SEASON 7	JULY	=====	1
				SMITH MT
				0

SEASONAL ENERGY	MWH	-4200.00
-----------------	-----	----------

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----

-----	YEAR 2016	-----
-----	YEAR 2017	-----
-----	YEAR 2018	-----
-----	YEAR 2019	-----
-----	YEAR 2020	-----
-----	YEAR 2021	-----
-----	YEAR 2022	-----
-----	YEAR 2023	-----
-----	YEAR 2024	-----
-----	YEAR 2025	-----
-----	YEAR 2026	-----
-----	YEAR 2027	-----
-----	YEAR 2028	-----
-----	YEAR 2029	-----
-----	YEAR 2030	-----
-----	YEAR 2031	-----
-----	YEAR 2032	-----
-----	YEAR 2033	-----
-----	YEAR 2034	-----
-----	YEAR 2035	-----
-----	YEAR 2036	-----
-----	YEAR 2037	-----
-----	YEAR 2038	-----
-----	YEAR 2039	-----
-----	YEAR 2040	-----

-----	PUMPED STORAGE UNIT	-----
-----	SEASON	8
-----	AUGUST	-----
-----		1
-----	SMITH	MT
-----		0

-----	SEASONAL ENERGY	MWH
-----	YEAR 2011	-----
-----	YEAR 2012	-----
-----	YEAR 2013	-----
-----		-4500.00

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.PUMP STORAGE UNIT.

===== SEASON 8 AUGUST =====
PUMPED STORAGE UNIT
SMITH MT
0

----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

===== SEASON 9 SEPTEMBER =====
PUMPED STORAGE UNIT
SMITH MT
1
0

----- YEAR 2011 -----
SEASONAL ENERGY
----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----

MMH -5500.00


```

----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

```

```

===== SEASON 10 OCTOBER =====
PUMPED STORAGE UNIT          1
                               SMITH MT
                               0

```

```

----- YEAR 2011 -----
SEASONAL ENERGY             MWH          -5700.00
----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----

```

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PUMP STORAGE UNIT.

===== SEASON 10 OCTOBER =====

1
SMITH MT
0

PUMPED STORAGE UNIT

-----	YEAR 2026	-----
-----	YEAR 2027	-----
-----	YEAR 2028	-----
-----	YEAR 2029	-----
-----	YEAR 2030	-----
-----	YEAR 2031	-----
-----	YEAR 2032	-----
-----	YEAR 2033	-----
-----	YEAR 2034	-----
-----	YEAR 2035	-----
-----	YEAR 2036	-----
-----	YEAR 2037	-----
-----	YEAR 2038	-----
-----	YEAR 2039	-----
-----	YEAR 2040	-----

===== SEASON 11 NOVEMBER =====

1
SMITH MT
0

PUMPED STORAGE UNIT

-----	YEAR 2011	-----	MMH	-4600.00
-----	YEAR 2012	-----		
-----	YEAR 2013	-----		
-----	YEAR 2014	-----		
-----	YEAR 2015	-----		
-----	YEAR 2016	-----		
-----	YEAR 2017	-----		
-----	YEAR 2018	-----		
-----	YEAR 2019	-----		
-----	YEAR 2020	-----		
-----	YEAR 2021	-----		
-----	YEAR 2022	-----		
-----	YEAR 2023	-----		
-----	YEAR 2024	-----		
-----	YEAR 2025	-----		
-----	YEAR 2026	-----		
-----	YEAR 2027	-----		
-----	YEAR 2028	-----		
-----	YEAR 2029	-----		
-----	YEAR 2030	-----		
-----	YEAR 2031	-----		
-----	YEAR 2032	-----		
-----	YEAR 2033	-----		
-----	YEAR 2034	-----		
-----	YEAR 2035	-----		
-----	YEAR 2036	-----		
-----	YEAR 2037	-----		
-----	YEAR 2038	-----		
-----	YEAR 2039	-----		
-----	YEAR 2039	-----		

SEASONAL ENERGY

MMH

-4600.00

----- YEAR 2039 -----

```

----- YEAR 2040 -----
===== PUMPED STORAGE UNIT SEASON 12 DECEMBER =====
SMITH MT 1
SMITH WT 0
SEASONAL ENERGY MWH -5400.00
----- YEAR 2011 -----
----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----

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NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

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APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.PUMP STORAGE UNIT.

===== SEASON 12 DECEMBER =====

PUMPED STORAGE UNIT 1

SMITH MT 0

----- YEAR 2038 -----

----- YEAR 2039 -----

----- YEAR 2040 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THermal UNIT	1	2	3	4	5	6	7
AIR BASIN POINTER	1	2	3	4	5	6	7
BID PRICE ACCOUNTING FLAG	1	2	3	6	1	2	1
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	1	1	0	1	1	1
COMMISSION YEAR	2011	2011	2011	2011	2011	2011	2011
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANGLIARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMENT	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0	0
ESCALATION FIXED COSTS	0	0	0	0	0	0	0
ESCALATION FIXED SEASONAL RATE	0	0	0	0	0	0	0
ESCALATION VARIABLE COSTS	0	0	0	0	0	0	0
ESCALATION FORCED OUTAGE RATE	0	0	0	0	0	0	0
IMMATURETY PERIOD	0	0	0	0	0	0	0
MATURITY YEAR	0	0	0	0	0	0	0
PURCHASE UNIT FLAG	0	0	0	0	0	0	0
RESERVE OF TOTAL UNIT	0	0	0	0	0	0	0
RESERVE OF UPPER SEGMENT	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESOURCE TYPE	C	C	C	C	C	C	C
RETIREMENT MONTH	3	12	12	12	12	5	12
RETIREMENT YEAR	2100	2100	2100	2014	2014	2016	2100
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

THermal UNIT	8	9	10	11	12	13	14
AIR BASIN POINTER	1	1	1	1	1	1	1
BID PRICE ACCOUNTING FLAG	0	0	0	0	0	0	0
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	1	1	1	1	1	1
COMMISSION YEAR	2011	2011	2100	2100	2100	2100	2100
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANGLIARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMENT	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0	0
ESCALATION FIXED COSTS	0	0	0	0	0	0	0
ESCALATION FIXED SEASONAL RATE	0	0	0	0	0	0	0
ESCALATION VARIABLE COSTS	0	0	0	0	0	0	0
ESCALATION FORCED OUTAGE RATE	0	0	0	0	0	0	0
IMMATURETY PERIOD	0	0	0	0	0	0	0
MATURITY YEAR	0	0	0	0	0	0	0
PURCHASE UNIT FLAG	0	0	0	0	0	0	0
RESERVE OF TOTAL UNIT	0	0	0	0	0	0	0
RESERVE OF UPPER SEGMENT	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESOURCE TYPE	C	C	C	C	C	C	C
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	2026	2026	2100	2100	2100	2100	2100
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

THermal UNIT	15	16	17	18	19	20	21
AIR BASIN POINTER	1	1	1	1	1	1	1
BID PRICE ACCOUNTING FLAG	0	0	0	0	0	0	0
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	1	1	1	1	1	1
COMMISSION YEAR	2100	2011	2011	2011	2011	2011	2011
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANGLIARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMENT	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0	0
ESCALATION FIXED COSTS	0	0	0	0	0	0	0
ESCALATION FIXED SEASONAL RATE	0	0	0	0	0	0	0
ESCALATION VARIABLE COSTS	0	0	0	0	0	0	0
ESCALATION FORCED OUTAGE RATE	0	0	0	0	0	0	0
IMMATURETY PERIOD	0	0	0	0	0	0	0
MATURITY YEAR	0	0	0	0	0	0	0
PURCHASE UNIT FLAG	0	0	0	0	0	0	0
RESERVE OF TOTAL UNIT	0	0	0	0	0	0	0
RESERVE OF UPPER SEGMENT	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESOURCE TYPE	C	C	C	C	C	C	C
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2014	2014	2014	2015	2013	2012
THERMAL UNIT TYPE							

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SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							
THERMAL UNIT							
AIR BASIN POINTER	22	23	24	25	26	27	28
BID PRICE ACCOUNTING FLAG	CSVL 1-4	CSVL 5+6	CSVL 5+6	D C COOK	D C COOK	GAVIN	GAVIN
BID PRICE OPTION	4	5	6	1	2	1	2
COMMISSION MONTH	1	1	1	1	1	1	1
COMMISSION YEAR	0	0	0	0	0	0	0
DEFERRAL PRIORITY	2011	2011	2011	2011	2011	2011	2011
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANGLIARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMEN	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	FIXGM	FIXGM	FIXGM	FIXGM	FIXGM	FIXGM	FIXGM

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER - GAP.INPUT.THERMAL UNIT.

ESCALATION FIXED SEASONAL RATE	ESCALATION VARIABLE COSTS	IMMATURE FORCED OUTFAGE RATE	MATURITY PERIOD	PURCHASE UNIT FLAG	RESERVE OF TOTAL UNIT	RESERVE OF UPPER SEGMENT	RESOURCE TYPE	RETIREMENT MONTH	RETIREMENT YEAR	SOURCE INDEX NUMBER	THERMAL UNIT TYPE
22	23	24	25	26	27	28					
CSVL 1-4	CSVL 5+6	CSVL 5+6	D C COOK	D C COOK	GAVIN	GAVIN					
4	5	6	1	2	1	2					
VARO&M	VARO&M	VARO&M	NUC-VOM	NUC-VOM	VARO&M	VARO&M					
0.00	0.00	0.00	0.00	0.00	0.00	0.00					
0	0	0	0	0	0	0					
2011	2011	2011	2011	2011	2011	2011					
0	0	0	0	0	0	0					
0.00	0.00	0.00	0.00	0.00	0.00	0.00					
100.00	100.00	100.00	100.00	100.00	100.00	100.00					
C	C	C	C	C	C	C					
12	12	12	12	12	12	12					
2100	2019	2019	2035	2037	2100	2100					
0	0	0	0	0	0	0					

THERMAL UNIT

AIR BASIN POINTER	BID PRICE ACCOUNTING FLAG	BID PRICE OPTION	COMMISSION MONTH	COMMISSION YEAR	DEFERRAL PRIORITY	DISPATCH LAMBDA OPTION	EFFICIENT HEAT RATE OPTION	ESCALATION ANCIILARY REVENUE	ESCALATION BID PRICE AT INCREMEN	ESCALATION CAPACITY REVENUE	ESCALATION CAPITAL COSTS	ESCALATION FIXED ANNUAL RATE	ESCALATION FIXED SEASONAL RATE	ESCALATION VARIABLE COSTS	IMMATURE FORCED OUTFAGE RATE	MATURITY PERIOD	PURCHASE UNIT FLAG	RESERVE OF TOTAL UNIT	RESERVE OF UPPER SEGMENT	RESOURCE TYPE	RETIREMENT MONTH	RETIREMENT YEAR	SOURCE INDEX NUMBER	THERMAL UNIT TYPE
29	30	31	32	33	34	35																		
GLEN LYN	GLEN LYN	0	KAMMER	KAMMER	KAMMER	KAMMER																		
5	6	0	1	2	3	3																		
1	1	1	1	1	1	1																		
0	0	0	0	0	0	0																		
0	0	0	0	0	0	0																		
2011	2011	2011	2011	2011	2011	2011																		
0	0	0	0	0	0	0																		
0.00	0.00	0.00	0.00	0.00	0.00	0.00																		
100.00	100.00	100.00	100.00	100.00	100.00	100.00																		
C	C	C	C	C	C	C																		
12	12	12	12	12	12	12																		
2014	2014	2100	2100	2014	2014	2014																		
0	0	0	0	0	0	0																		

THERMAL UNIT

AIR BASIN POINTER	BID PRICE ACCOUNTING FLAG	BID PRICE OPTION	COMMISSION MONTH	COMMISSION YEAR	DEFERRAL PRIORITY	DISPATCH LAMBDA OPTION	EFFICIENT HEAT RATE OPTION	ESCALATION ANCIILARY REVENUE	ESCALATION BID PRICE AT INCREMEN	ESCALATION CAPACITY REVENUE	ESCALATION CAPITAL COSTS	ESCALATION FIXED ANNUAL RATE	ESCALATION FIXED SEASONAL RATE	ESCALATION VARIABLE COSTS	IMMATURE FORCED OUTFAGE RATE	MATURITY PERIOD	PURCHASE UNIT FLAG	RESERVE OF TOTAL UNIT	RESERVE OF UPPER SEGMENT	RESOURCE TYPE	RETIREMENT MONTH	RETIREMENT YEAR	SOURCE INDEX NUMBER	THERMAL UNIT TYPE
36	37	38	39	40	41	42																		
KANAWHA	KANAWHA	KYGER	KYGER	KYGER	KYGER	KYGER																		
1	2	1	2	3	4	5																		
1	1	1	1	1	1	1																		
0	0	0	0	0	0	0																		
2011	2011	2100	2100	2100	2100	2100																		
0	0	0	0	0	0	0																		
0.00	0.00	0.00	0.00	0.00	0.00	0.00																		
100.00	100.00	100.00	100.00	100.00	100.00	100.00																		
C	C	C	C	C	C	C																		
12	12	12	12	12	12	12																		
2014	2014	2100	2100	2100	2100	2100																		
0	0	0	0	0	0	0																		

THERMAL UNIT

AIR BASIN POINTER	BID PRICE ACCOUNTING FLAG	BID PRICE OPTION	COMMISSION MONTH	COMMISSION YEAR	DEFERRAL PRIORITY	DISPATCH LAMBDA OPTION	EFFICIENT HEAT RATE OPTION	ESCALATION ANCIILARY REVENUE	ESCALATION BID PRICE AT INCREMEN	ESCALATION CAPACITY REVENUE	ESCALATION CAPITAL COSTS	ESCALATION FIXED ANNUAL RATE	ESCALATION FIXED SEASONAL RATE	ESCALATION VARIABLE COSTS	IMMATURE FORCED OUTFAGE RATE	MATURITY PERIOD	PURCHASE UNIT FLAG	RESERVE OF TOTAL UNIT	RESERVE OF UPPER SEGMENT	RESOURCE TYPE	RETIREMENT MONTH	RETIREMENT YEAR	SOURCE INDEX NUMBER	THERMAL UNIT TYPE
43	44	45	46	47	48	49																		
MITCHELL	MITCHELL	MOUNT_ER	MUSK RVR	MUSK RVR	MUSK RVR	MUSK RVR																		
1	2	1	1	2	3	4																		
1	1	1	1	1	1	1																		
0	0	0	0	0	0	0																		
2011	2011	2011	2011	2011	2011	2011																		
0	0	0	0	0	0	0																		
0.00	0.00	0.00	0.00	0.00	0.00	0.00																		
100.00	100.00	100.00	100.00	100.00	100.00	100.00																		
C	C	C	C	C	C	C																		
12	12	12	12	12	12	12																		
2014	2014	2100	2100	2100	2100	2100																		
0	0	0	0	0	0	0																		

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DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCILLARY REVENUE							
ESCALATION BID PRICE AT INCREMENT							
ESCALATION BID PRICE AT MINIMUM							
ESCALATION CAPACITY REVENUE							
ESCALATION CAPITAL COSTS							
ESCALATION FIXED ANNUAL RATE							
ESCALATION FIXED COSTS							
ESCALATION FIXED SEASONAL RATE							
ESCALATION VARIABLE COSTS							
IMMATURE FORCED OUTAGE RATE							
IMMATURE PERIOD	VARO&M 0.00	VARO&M 0.00	VARO&M 0.00	VARO&M 0.00	VARO&M 0.00	VARO&M 0.00	VARO&M 0.00
MATURITY YEAR	0	0	0	0	0	0	0
PURCHASE UNIT FLAG	2011	2011	2011	2011	2011	2011	2011
RESERVE OF TOTAL UNIT	0	0	0	0	0	0	0
RESERVE OF UPPER SEGMENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESOURCE TYPE	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RETIREMENT MONTH	C	C	C	C	C	C	C
RETIREMENT YEAR	12	12	12	12	12	12	12
SOURCE INDEX NUMBER	2100	2100	2100	2100	2100	2100	2100
THERMAL UNIT TYPE	0	0	0	0	0	0	0

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	50	51	52	53	54	55	56
AIR BASIN POINTER	1	1	1	1	1	1	1
BID PRICE ACCOUNTING FLAG	0	0	0	0	0	0	0
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	1	1	1	1	1	1
COMMISSION YEAR	2011	2011	2011	2011	2010	2011	2011
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANGLIARY REVENUE							
ESCALATION BID PRICE AT INCREMENT							
ESCALATION BID PRICE AT MINIMUM							
ESCALATION CAPACITY REVENUE							
ESCALATION CAPITAL COSTS							
ESCALATION FIXED ANNUAL RATE							
ESCALATION FIXED COSTS							
ESCALATION FIXED SEASONAL RATE							
ESCALATION VARIABLE COSTS							
IMMATURE FORCED OUTAGE RATE							
IMMATURE PERIOD							
MATURITY YEAR							
PURCHASE UNIT FLAG							
RESERVE OF TOTAL UNIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF UPPER SEGMENT	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESOURCE TYPE	C	C	C	C	C	C	C
RETIREMENT MONTH	5	12	12	12	12	5	12
RETIREMENT YEAR	2015	2014	2014	2014	2014	2011	2014
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

THERMAL UNIT	57	58	59	60	61	62	63
AIR BASIN POINTER	1	1	1	1	1	1	1
BID PRICE ACCOUNTING FLAG	0	0	0	0	0	0	0
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	1	1	1	1	1	1
COMMISSION YEAR	2100	2011	2011	2011	2011	2011	2011
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION							
ESCALATION ANGLIARY REVENUE							
ESCALATION BID PRICE AT INCREMENT							
ESCALATION BID PRICE AT MINIMUM							
ESCALATION CAPACITY REVENUE							
ESCALATION CAPITAL COSTS							
ESCALATION FIXED ANNUAL RATE							
ESCALATION FIXED COSTS							
ESCALATION FIXED SEASONAL RATE							
ESCALATION VARIABLE COSTS							
IMMATURE FORCED OUTAGE RATE							
IMMATURE PERIOD							
MATURITY YEAR							
PURCHASE UNIT FLAG							
RESERVE OF TOTAL UNIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF UPPER SEGMENT	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESOURCE TYPE	C	C	C	C	C	C	C
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2015	2013	2100	2100	2100	2100
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

THERMAL UNIT	64	65	66	67	68	69	70
AIR BASIN POINTER	1	1	1	1	1	1	1
BID PRICE ACCOUNTING FLAG	0	0	0	0	0	0	0
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	1	1	1	1	1	1
COMMISSION YEAR	2011	2011	2011	2011	2011	2011	2011
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION							
ESCALATION ANGLIARY REVENUE							
ESCALATION BID PRICE AT INCREMENT							
ESCALATION BID PRICE AT MINIMUM							
ESCALATION CAPACITY REVENUE							
ESCALATION CAPITAL COSTS							
ESCALATION FIXED ANNUAL RATE							
ESCALATION FIXED COSTS							
ESCALATION FIXED SEASONAL RATE							
ESCALATION VARIABLE COSTS							
IMMATURE FORCED OUTAGE RATE							
IMMATURE PERIOD							
MATURITY YEAR							
PURCHASE UNIT FLAG							
RESERVE OF TOTAL UNIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF UPPER SEGMENT	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESOURCE TYPE	C	C	C	C	C	C	C
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2100	2014	2014	2014	2013	2100
THERMAL UNIT TYPE							

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SOURCE INDEX NUMBER	0	0	0	0	0	0
THERMAL UNIT TYPE						
THERMAL UNIT						
AIR BASIN PUMP	71	72	73	74	75	76
BID PRICE ACCOUNTING FLAG	ROBTWONE 1	ROBTWONE 2	ROBTWONE 3	CEREDO 0	CEREDO 1	CEREDO 2
BID PRICE OPTION	1	1	1	0	1	1
COMMISSION MONTH	0	0	0	0	0	0
COMMISSION YEAR	2011	2011	2011	0	2011	2011
DEFERRAL PRIORITY	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION						
ESCALATION ANCIARY REVENUE						
ESCALATION BID PRICE AT INCREMENT						
ESCALATION BID PRICE AT MINIMUM						
ESCALATION CAPACITY REVENUE						
ESCALATION CAPITAL COSTS						
ESCALATION FIXED ANNUAL RATE						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	71	72	73	74	75	76	77
ESCALATION FIXED SEASONAL RATE							
ESCALATION VARIABLE COSTS							
IMMATURE FORCED OUTAGE RATE							
IMMATURE PERIOD							
PURCHASE UNIT FLAG							
RESERVE OF TOTAL UNIT							
RESERVE OF UPPER SEGMENT							
RESOURCE TYPE							
RETIREMENT MONTH							
RETIREMENT YEAR							
SOURCE INDEX NUMBER							
THERMAL UNIT TYPE							
VARO&M	0.00	0.00	0.00	0.00	0.00	0.00	0.00
%	0	0	0	0	0	0	0
YEARS	2011	2011	2011	2011	2011	2011	2011
MONTH	1	1	1	0	0	0	0
YEAR	0.00	0.00	0.00	100.00	0.00	0.00	0.00
%	100.00	100.00	100.00	100.00	0.00	0.00	0.00
MONTH	C	C	C	C	C	C	C
YEAR	12	12	12	12	12	12	12
MONTH	2100	2100	2100	2100	2100	2100	2100
YEAR	0	0	0	0	0	0	0

THERMAL UNIT

THERMAL UNIT	78	79	80	81	82	83	84
AIR BASIN POINTER							
BID PRICE ACCOUNTING FLAG							
BID PRICE OPTION							
COMMISSION MONTH							
COMMISSION YEAR							
DEFERRAL PRIORITY							
DISPATCH LAMBDA OPTION							
EFFICIENT HEAT RATE OPTION							
ESCALATION ANCIILARY REVENUE							
ESCALATION BID PRICE AT INCREMENT							
ESCALATION BID PRICE AT MINIMUM							
ESCALATION CAPACITY REVENUE							
ESCALATION CAPITAL COSTS							
ESCALATION FIXED ANNUAL RATE							
ESCALATION FIXED COSTS							
ESCALATION VARIABLE RATE							
ESCALATION VARIABLE COSTS							
IMMATURE FORCED OUTAGE RATE							
IMMATURE PERIOD							
PURCHASE UNIT FLAG							
RESERVE OF TOTAL UNIT							
RESERVE OF UPPER SEGMENT							
RESOURCE TYPE							
RETIREMENT MONTH							
RETIREMENT YEAR							
SOURCE INDEX NUMBER							
THERMAL UNIT TYPE							
VARO&M	0.00	0.00	0.00	0.00	0.00	0.00	0.00
%	0	0	0	0	0	0	0
YEARS	2011	2011	2011	2011	2011	2011	2011
MONTH	0	0	0	0	0	0	0
YEAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MONTH	C	C	C	C	C	C	C
YEAR	12	12	12	12	12	12	12
MONTH	2100	2100	2100	2100	2100	2100	2100
YEAR	0	0	0	0	0	0	0

THERMAL UNIT

THERMAL UNIT	85	86	87	88	89	90	91
AIR BASIN POINTER							
BID PRICE ACCOUNTING FLAG							
BID PRICE OPTION							
COMMISSION MONTH							
COMMISSION YEAR							
DEFERRAL PRIORITY							
DISPATCH LAMBDA OPTION							
EFFICIENT HEAT RATE OPTION							
ESCALATION ANCIILARY REVENUE							
ESCALATION BID PRICE AT INCREMENT							
ESCALATION BID PRICE AT MINIMUM							
ESCALATION CAPACITY REVENUE							
ESCALATION CAPITAL COSTS							
ESCALATION FIXED ANNUAL RATE							
ESCALATION FIXED COSTS							
ESCALATION VARIABLE RATE							
ESCALATION VARIABLE COSTS							
IMMATURE FORCED OUTAGE RATE							
IMMATURE PERIOD							
PURCHASE UNIT FLAG							
RESERVE OF TOTAL UNIT							
RESERVE OF UPPER SEGMENT							
RESOURCE TYPE							
RETIREMENT MONTH							
RETIREMENT YEAR							
SOURCE INDEX NUMBER							
THERMAL UNIT TYPE							
VARO&M	0.00	0.00	0.00	0.00	0.00	0.00	0.00
%	0	0	0	0	0	0	0
YEARS	2011	2011	2011	2011	2011	2011	2011
MONTH	0	0	0	0	0	0	0
YEAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MONTH	C	C	C	C	C	C	C
YEAR	12	12	12	12	12	12	12
MONTH	2100	2100	2100	2100	2100	2100	2100
YEAR	0	0	0	0	0	0	0

THERMAL UNIT

THERMAL UNIT	92	93	94	95	96	97	98
AIR BASIN POINTER							
BID PRICE ACCOUNTING FLAG							
BID PRICE OPTION							
COMMISSION MONTH							
COMMISSION YEAR							
DEFERRAL PRIORITY							
DISPATCH LAMBDA OPTION							
EFFICIENT HEAT RATE OPTION							
ESCALATION ANCIILARY REVENUE							
ESCALATION BID PRICE AT INCREMENT							
ESCALATION BID PRICE AT MINIMUM							
ESCALATION CAPACITY REVENUE							
ESCALATION CAPITAL COSTS							
ESCALATION FIXED ANNUAL RATE							
ESCALATION FIXED COSTS							
ESCALATION VARIABLE RATE							
ESCALATION VARIABLE COSTS							
IMMATURE FORCED OUTAGE RATE							
IMMATURE PERIOD							
PURCHASE UNIT FLAG							
RESERVE OF TOTAL UNIT							
RESERVE OF UPPER SEGMENT							
RESOURCE TYPE							
RETIREMENT MONTH							
RETIREMENT YEAR							
SOURCE INDEX NUMBER							
THERMAL UNIT TYPE							
VARO&M	0.00	0.00	0.00	0.00	0.00	0.00	0.00
%	0	0	0	0	0	0	0
YEARS	2011	2011	2011	2011	2011	2011	2011
MONTH	0	0	0	0	0	0	0
YEAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MONTH	C	C	C	C	C	C	C
YEAR	12	12	12	12	12	12	12
MONTH	2100	2100	2100	2100	2100	2100	2100
YEAR	0	0	0	0	0	0	0

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DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0	0	0
ESCALATION ANCILLARY REVENUE									
ESCALATION BID PRICE AT INCREMENT									
ESCALATION BID PRICE AT MINIMUM									
ESCALATION CAPACITY REVENUE									
ESCALATION CAPITAL COSTS									
ESCALATION FIXED ANNUAL RATE									
ESCALATION FIXED COSTS									
ESCALATION FIXED SEASONAL RATE									
ESCALATION VARIABLE COSTS									
ESCALATION FORCED OUTAGE RATE									
IMMATURE PERIOD	VARO&M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MATURITY YEAR	0	0	0	0	0	0	0	0	0
PURCHASE UNIT FLAG	2011	2013	2013	2013	1900	1900	1900	1900	1900
RESERVE OF TOTAL UNIT	0	0	0	0	0	0	0	0	0
RESERVE OF UPPER SEGMENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESOURCE TYPE	C	C	C	C	C	C	C	C	C
RETIREMENT MONTH	12	12	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2100	2100	2100	2100	2100	2100	2100	2100
SOURCE INDEX NUMBER	0	0	0	0	0	0	0	0	0
THERMAL UNIT TYPE									

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT
QUALIFIER = GAF.INPUT.THERMAL UNIT.

THEMAL UNIT	101	102	103	104	105	106	107
AIR BASIN POINTER	1	1	1	1	1	1	1
BID PRICE ACCOUNTING FLAG	0	0	0	0	0	0	0
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	1	1	1	1	1	1
COMMISSION YEAR	2100	2100	2100	2100	2100	2100	2100
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCILLARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMENT	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0	0
ESCALATION FIXED SEASONAL RATE	0	0	0	0	0	0	0
ESCALATION VARIABLE COSTS	0	0	0	0	0	0	0
ESCALATION FORCED OUTAGE RATE	0	0	0	0	0	0	0
IMMATURETY PERIOD	0	0	0	0	0	0	0
MATURITY YEAR	1900	2100	2100	2100	2109	2100	2100
PURCHASE UNIT FLAG	0	0	0	0	0	0	0
RESERVE OF TOTAL UNIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESOURCE TYPE	C	C	C	C	C	C	C
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2100	2100	2100	2100	2100	2100
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

THEMAL UNIT	108	109	110	111	114	115	116
AIR BASIN POINTER	1	1	1	1	1	1	1
BID PRICE ACCOUNTING FLAG	0	0	0	0	0	0	0
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	1	1	1	1	1	1
COMMISSION YEAR	2100	2100	2100	2100	2100	2100	2100
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCILLARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMENT	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0	0
ESCALATION FIXED SEASONAL RATE	0	0	0	0	0	0	0
ESCALATION VARIABLE COSTS	0	0	0	0	0	0	0
ESCALATION FORCED OUTAGE RATE	0	0	0	0	0	0	0
IMMATURETY PERIOD	0	0	0	0	0	0	0
MATURITY YEAR	2100	2100	2100	2100	2100	2100	1900
PURCHASE UNIT FLAG	0	0	0	0	0	0	0
RESERVE OF TOTAL UNIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESOURCE TYPE	C	C	C	C	C	C	C
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2100	2100	2100	2100	2100	2100
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

THEMAL UNIT	121	122	124	125	126	127	128
AIR BASIN POINTER	1	1	1	1	1	1	1
BID PRICE ACCOUNTING FLAG	0	0	0	0	0	0	0
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	1	6	1	1	1	1
COMMISSION YEAR	2100	2100	2100	2100	2100	2100	2100
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCILLARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMENT	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ESCALATION FIXED SEASONAL RATE	0	0	0	0	0	0	0
ESCALATION VARIABLE COSTS	0	0	0	0	0	0	0
ESCALATION FORCED OUTAGE RATE	0	0	0	0	0	0	0
IMMATURETY PERIOD	0	0	0	0	0	0	0
MATURITY YEAR	1900	1900	2010	2011	2011	2011	1900
PURCHASE UNIT FLAG	0	0	0	0	0	0	0
RESERVE OF TOTAL UNIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESOURCE TYPE	C	C	C	C	C	C	C
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2100	2100	2100	2100	2100	2100

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SOURCE INDEX NUMBER	0	0	0	0	0	0
THERMAL UNIT TYPE						
THERMAL UNIT						
AIR BASIN POINTER	129	130	131	132	133	134
BID PRICE ACCOUNTING FLAG	1	2	5	5	1	2
BID PRICE OPTION	0	0	0	0	0	0
BID PRICE OPTION	1	1	1	1	1	1
COMMISSION MONTH	1	1	1	1	9	9
COMMISSION MONTH	2100	2100	2100	2100	2100	2100
COMMISSION YEAR	0	0	0	0	0	0
DEFERRAL PRIORITY	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0
ESCALATION ANGLIARY REVENUE	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMENT	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0

FIXOEM

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	129	130	131	132	133	134	135
ESCALATION FIXED SEASONAL RATE	CR1_NGCC 1	CR2_NGCC 2	MRS_NGCC 5	MRS_FSD 5	RP1D_TM 1	RP2D_TM 2	TAM4_FSD 4
ESCALATION VARIABLE COSTS							
IMMATURE FORCED OUTAGE RATE							
IMMATURE PERIOD							
MATURITY YEAR							
PURCHASE UNIT FLAG							
RESERVE OF TOTAL UNIT							
RESERVE OF UPPER SEGMENT							
RESOURCE TYPE							
RETIREMENT MONTH							
RETIREMENT YEAR							
SOURCE INDEX NUMBER							
THERMAL UNIT TYPE							
VARO&M	0.00	0.00	0.00	0.00	0.00	0.00	0.00
%	0	0	0	0	0	0	0
YEARS	2011	2011	2011	2011	2011	2011	2011
%	0	0	0	0	0	0	0
MONTH	0	0	0	0	0	0	0
YEAR	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2016	2100	2100	2100	2100	2100
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

THERMAL UNIT	136	137	143	144	145	146	147
AIR BASIN POINTER	RP1D_KP 1	RP2D_KP 2	TC4_ESP 4	A390% AP 3	A390% AP 3	MNN_90% 1	
BID PRICE ACCOUNTING FLAG							
BID PRICE OPTION							
COMMISSION MONTH							
COMMISSION YEAR							
DEFERRAL PRIORITY							
DISPATCH LAMBDA OPTION							
EFFICIENT HEAT RATE OPTION							
ESCALATION ANCILLARY REVENUE							
ESCALATION BID PRICE AT INCREMENT							
ESCALATION BID PRICE AT MINIMUM							
ESCALATION CAPACITY REVENUE							
ESCALATION CAPITAL COSTS							
ESCALATION FIXED ANNUAL RATE							
ESCALATION FIXED COSTS							
ESCALATION FIXED SEASONAL RATE							
ESCALATION VARIABLE COSTS							
IMMATURE FORCED OUTAGE RATE							
IMMATURE PERIOD							
MATURITY YEAR							
PURCHASE UNIT FLAG							
RESERVE OF TOTAL UNIT							
RESERVE OF UPPER SEGMENT							
RESOURCE TYPE							
RETIREMENT MONTH							
RETIREMENT YEAR							
SOURCE INDEX NUMBER							
THERMAL UNIT TYPE							
VARO&M	0.00	0.00	0.00	0.00	0.00	0.00	0.00
%	0	0	0	0	0	0	0
YEARS	2011	2011	1900	2011	2011	2011	2011
%	0	0	0	0	0	0	0
MONTH	0	0	0	0	0	0	0
YEAR	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2100	2100	2100	2100	2100	2100
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

THERMAL UNIT	148	149	150	151	152	153	154
AIR BASIN POINTER	RP1L_90% 1	RP12_90% 2	GV1_90% 1	GV2_90% 2	MNN_18% 1	CC_PA_KP 1	
BID PRICE ACCOUNTING FLAG							
BID PRICE OPTION							
COMMISSION MONTH							
COMMISSION YEAR							
DEFERRAL PRIORITY							
DISPATCH LAMBDA OPTION							
EFFICIENT HEAT RATE OPTION							
ESCALATION ANCILLARY REVENUE							
ESCALATION BID PRICE AT INCREMENT							
ESCALATION BID PRICE AT MINIMUM							
ESCALATION CAPACITY REVENUE							
ESCALATION CAPITAL COSTS							
ESCALATION FIXED ANNUAL RATE							
ESCALATION FIXED SEASONAL RATE							
ESCALATION VARIABLE COSTS							
IMMATURE FORCED OUTAGE RATE							
IMMATURE PERIOD							
MATURITY YEAR							
PURCHASE UNIT FLAG							
RESERVE OF TOTAL UNIT							
RESERVE OF UPPER SEGMENT							
RESOURCE TYPE							
RETIREMENT MONTH							
RETIREMENT YEAR							
SOURCE INDEX NUMBER							
THERMAL UNIT TYPE							
FIXO&M	0.00	0.00	0.00	0.00	0.00	0.00	0.00
%	0	0	0	0	0	0	0
YEARS	2011	2011	2011	2011	2011	2011	2011
%	0	0	0	0	0	0	0
MONTH	0	0	0	0	0	0	0
YEAR	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2100	2100	2100	2100	2100	2100
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

THERMAL UNIT	155	156	157	158	159	160	161
AIR BASIN POINTER	CT_OHIO 1	CC_OH 1	CT_I&M 1	CC_I&M 1	CT_APCO 1	CC_APCO 1	CT_KPCO 1
BID PRICE ACCOUNTING FLAG							
BID PRICE OPTION							
COMMISSION MONTH							
COMMISSION YEAR							
DEFERRAL PRIORITY							
VARO&M	0.00	0.00	0.00	0.00	0.00	0.00	0.00
%	0	0	0	0	0	0	0
YEARS	2011	2011	2011	2011	2011	2011	2011
%	0	0	0	0	0	0	0
MONTH	0	0	0	0	0	0	0
YEAR	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2100	2100	2100	2100	2100	2100
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

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DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0	0
ESCALATION ANCILLARY REVENUE								
ESCALATION BID PRICE AT INCREMENT								
ESCALATION BID PRICE AT MINIMUM								
ESCALATION CAPACITY REVENUE								
ESCALATION CAPITAL COSTS								
ESCALATION FIXED ANNUAL RATE								
ESCALATION FIXED SEASONAL RATE								
ESCALATION VARIABLE COSTS								
ESCALATION FORCED OUTFAGE RATE								
IMMATURE PERIOD	VARO&M	VARO&M	VARO&M	VARO&M	VARO&M	VARO&M	VARO&M	VARO&M
MATURITY YEAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PURCHASE UNIT FLAG	0	0	0	0	0	0	0	0
RESERVE OF TOTAL UNIT	2010	2100	2010	2100	2010	2100	2010	2100
RESERVE OF UPPER SEGMENT	0	0	0	0	0	0	0	0
RESOURCE TYPE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RETIREMENT MONTH	0	0	0	0	0	0	0	0
RETIREMENT YEAR	C	C	C	C	C	C	C	C
SOURCE INDEX NUMBER	12	12	12	12	12	12	12	12
THERMAL UNIT TYPE	2100	2100	2100	2100	2100	2100	2100	2100
	0	0	0	0	0	0	0	0

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT	162	163	164	165	166	168	169
AIR BASIN POINTER							
BID PRICE ACCOUNTING FLAG							
BID PRICE OPTION							
COMMISSION MONTH	MONTH						
COMMISSION YEAR	YEAR						
DEFERRAL PRIORITY							
DISPATCH LAMBDA OPTION							
EFFICIENT HEAT RATE OPTION							
ESCALATION ANCILLARY REVENUE							
ESCALATION BID PRICE AT INCREMENT							
ESCALATION BID PRICE AT MINIMUM							
ESCALATION CAPACITY REVENUE							
ESCALATION CAPITAL COSTS							
ESCALATION FIXED ANNUAL RATE							
ESCALATION FIXED COSTS							
ESCALATION FIXED SEASONAL RATE							
ESCALATION VARIABLE COSTS							
ESCALATION FORCED OUTAGE RATE							
IMMATURE PERIOD							
MATURITY YEAR							
PURCHASE UNIT FLAG							
RESERVE OF TOTAL UNIT							
RESERVE OF UPPER SEGMENT							
RESOURCE TYPE							
RETIREMENT MONTH	MONTH						
RETIREMENT YEAR	YEAR						
SOURCE INDEX NUMBER							
THERMAL UNIT TYPE							
VARO&M	VARO&M	VARO&M	VARO&M	VARO&M	VARO&M	VARO&M	VARO&M
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0	0	0	0	0
2100	2010	2010	2010	2010	2010	2100	2100
0	0	0	0	0	0	0	0
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
C	C	C	C	C	C	C	C
12	12	12	12	12	12	12	12
2100	2100	2100	2100	2100	2100	2100	2100
0	0	0	0	0	0	0	0
FIXO&M	FIXO&M	FIXO&M	FIXO&M	FIXO&M	FIXO&M	FIXO&M	FIXO&M
0	0	0	0	0	0	0	0

THERMAL UNIT	170	171	172	173	174	175	176
AIR BASIN POINTER							
BID PRICE ACCOUNTING FLAG							
BID PRICE OPTION							
COMMISSION MONTH	MONTH						
COMMISSION YEAR	YEAR						
DEFERRAL PRIORITY							
DISPATCH LAMBDA OPTION							
EFFICIENT HEAT RATE OPTION							
ESCALATION ANCILLARY REVENUE							
ESCALATION BID PRICE AT INCREMENT							
ESCALATION BID PRICE AT MINIMUM							
ESCALATION CAPACITY REVENUE							
ESCALATION CAPITAL COSTS							
ESCALATION FIXED ANNUAL RATE							
ESCALATION FIXED COSTS							
ESCALATION FIXED SEASONAL RATE							
ESCALATION VARIABLE COSTS							
ESCALATION FORCED OUTAGE RATE							
IMMATURE PERIOD							
MATURITY YEAR							
PURCHASE UNIT FLAG							
RESERVE OF TOTAL UNIT							
RESERVE OF UPPER SEGMENT							
RESOURCE TYPE							
RETIREMENT MONTH	MONTH						
RETIREMENT YEAR	YEAR						
SOURCE INDEX NUMBER							
THERMAL UNIT TYPE							
VARO&M	VARO&M	VARO&M	VARO&M	VARO&M	VARO&M	VARO&M	VARO&M
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0	0	0	0	0
1900	2100	2100	1900	2100	2100	2100	1900
0	0	0	0	0	0	0	0
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C	C	C	C	C	C	C	C
12	12	12	12	12	12	12	12
2100	2100	2100	2100	2100	2100	2100	2100
0	0	0	0	0	0	0	0
FIXO&M	FIXO&M	FIXO&M	FIXO&M	FIXO&M	FIXO&M	FIXO&M	FIXO&M
0	0	0	0	0	0	0	0

THERMAL UNIT	177	178	179	181	182	183	184
AIR BASIN POINTER							
BID PRICE ACCOUNTING FLAG							
BID PRICE OPTION							
COMMISSION MONTH	MONTH						
COMMISSION YEAR	YEAR						
DEFERRAL PRIORITY							
DISPATCH LAMBDA OPTION							
EFFICIENT HEAT RATE OPTION							
ESCALATION ANCILLARY REVENUE							
ESCALATION BID PRICE AT INCREMENT							
ESCALATION BID PRICE AT MINIMUM							
ESCALATION CAPACITY REVENUE							
ESCALATION CAPITAL COSTS							
ESCALATION FIXED ANNUAL RATE							
ESCALATION FIXED COSTS							
ESCALATION FIXED SEASONAL RATE							
ESCALATION VARIABLE COSTS							
ESCALATION FORCED OUTAGE RATE							
IMMATURE PERIOD							
MATURITY YEAR							
PURCHASE UNIT FLAG							
RESERVE OF TOTAL UNIT							
RESERVE OF UPPER SEGMENT							
RESOURCE TYPE							
RETIREMENT MONTH	MONTH						
RETIREMENT YEAR	YEAR						
SOURCE INDEX NUMBER							
THERMAL UNIT TYPE							
VARO&M	VARO&M	VARO&M	VARO&M	VARO&M	VARO&M	VARO&M	VARO&M
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0	0	0	0	0
2100	2100	1900	2011	2011	2011	2011	2011
0	0	0	0	0	0	0	0
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	100.00	100.00	100.00	100.00	100.00
C	C	C	C	C	C	C	C
12	12	12	12	12	12	12	12
2100	2100	2100	2100	2100	2100	2100	2100
0	0	0	0	0	0	0	0
FIXO&M	FIXO&M	FIXO&M	FIXO&M	FIXO&M	FIXO&M	FIXO&M	FIXO&M
0	0	0	0	0	0	0	0

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SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							
THERMAL UNIT							
AIR BASIN POINTER	186	187	188	189	190	191	223
BID PRICE ACCOUNTING FLAG	RP1TR_1M	RP2TR_1M	RP1TR_KP	RP2TR_KP	T4_TRONA	T4_TRCCR	MR_STKR1
BID PRICE OPTION	1	2	1	2	4	4	1
COMMISSION MONTH	1	1	1	1	1	1	1
COMMISSION YEAR	2100	2100	2100	2100	2100	2100	2100
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCIILARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMEN	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0	0
	FIXOQM	FIXOQM	FIXOQM	FIXOQM			

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		186		187		188		189		190		191		223	
		RP1TR_1M	RP2TR_1M	RP1TR_1M	RP2TR_1M	RP1TR_KP	RP2TR_KP	T4_TROWA	T4_TRCRA	T4_TROWA	T4_TRCRA	MR_STKR1	MR_STKR1	MR_STKR1	MR_STKR1
		1	2	1	2	1	2	4	4	4	4	1	1	1	1
ESCALATION FIXED SEASONAL RATE		VARO&M	VARO&M	VARO&M	VARO&M	VARO&M	VARO&M	VARO&M	VARO&M	VARO&M	VARO&M	VARO&M	VARO&M	VARO&M	VARO&M
ESCALATION VARIABLE COSTS		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ESCALATION FORCED OUTAGE RATE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IMMATURE PERIOD		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MATURE YEAR		2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	1999
PURCHASE UNIT FLAG		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF TOTAL UNIT		100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESERVE OF UPPER SEGMENT		C	C	C	C	C	C	C	C	C	C	C	C	C	C
RESOURCE TYPE		12	12	12	12	12	12	12	12	12	12	12	12	12	12
RETIREMENT MONTH		2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100
RETIREMENT YEAR		0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOURCE INDEX NUMBER															
THERMAL UNIT TYPE															

THERMAL UNIT		224		227		228		229		230		231		232	
		MR_STKR2	AMS3_SI	BS2_SI	MRS_CF	MRS_SI	MRS_SI	RP1_CF	RP1_CF	RP1_CF	RP1_CF	RP1_CF	RP1_CF	RP1_CF	RP1_CF
		1	3	2	5	5	5	1	1	1	1	1	1	1	1
AIR BASIN POINTER		1	1	1	1	1	1	1	1	1	1	1	1	1	1
BID PRICE ACCOUNTING FLAG		0	0	0	0	0	0	0	0	0	0	0	0	0	0
BID PRICE OPTION		0	0	0	0	0	0	0	0	0	0	0	0	0	0
COMMISSION MONTH		1	1	1	1	1	1	1	1	1	1	1	1	1	1
COMMISSION YEAR		2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100
DEFERRAL PRIORITY		0	0	0	0	0	0	0	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION		0	0	0	0	0	0	0	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION		0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESCALATION ANCILLARY REVENUE															
ESCALATION BID PRICE AT INCREMENT															
ESCALATION BID PRICE AT MINIMUM															
ESCALATION CAPACITY REVENUE															
ESCALATION CAPITAL COSTS															
ESCALATION FIXED ANNUAL RATE															
ESCALATION FIXED COSTS															
ESCALATION VARIABLE COSTS															
ESCALATION FORCED OUTAGE RATE															
IMMATURE PERIOD															
MATURE YEAR															
PURCHASE UNIT FLAG															
RESERVE OF TOTAL UNIT															
RESERVE OF UPPER SEGMENT															
RESOURCE TYPE															
RETIREMENT MONTH															
RETIREMENT YEAR															
SOURCE INDEX NUMBER															
THERMAL UNIT TYPE															

THERMAL UNIT		233		234		235		236		237		238		239	
		RP1_CF	RP1_SI	RP2_SI	RP2_SI	RP1_SI	RP2_SI	RP1_SI	RP2_SI	RP1_SI	RP2_SI	RP1_SI	RP2_SI	RP1_SI	RP2_SI
		2	1	2	2	1	2	0	0	0	0	0	0	0	0
AIR BASIN POINTER		1	1	1	1	1	1	1	1	1	1	1	1	1	1
BID PRICE ACCOUNTING FLAG		0	0	0	0	0	0	0	0	0	0	0	0	0	0
BID PRICE OPTION		0	0	0	0	0	0	0	0	0	0	0	0	0	0
COMMISSION MONTH		0	0	0	0	0	0	0	0	0	0	0	0	0	0
COMMISSION YEAR		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEFERRAL PRIORITY		0	0	0	0	0	0	0	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION		0	0	0	0	0	0	0	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION															
ESCALATION ANCILLARY REVENUE															
ESCALATION BID PRICE AT INCREMENT															
ESCALATION BID PRICE AT MINIMUM															
ESCALATION CAPACITY REVENUE															
ESCALATION CAPITAL COSTS															
ESCALATION FIXED ANNUAL RATE															
ESCALATION FIXED COSTS															
ESCALATION VARIABLE COSTS															
ESCALATION FORCED OUTAGE RATE															
IMMATURE PERIOD															
MATURE YEAR															
PURCHASE UNIT FLAG															
RESERVE OF TOTAL UNIT															
RESERVE OF UPPER SEGMENT															
RESOURCE TYPE															
RETIREMENT MONTH															
RETIREMENT YEAR															
SOURCE INDEX NUMBER															
THERMAL UNIT TYPE															

THERMAL UNIT		240		241		242		243		244		245		246	
AIR BASIN POINTER		1	1	1	1	1	1	1	1	1	1	1	1	1	1
BID PRICE ACCOUNTING FLAG		0	0	0	0	0	0	0	0	0	0	0	0	0	0
BID PRICE OPTION		0	0	0	0	0	0	0	0	0	0	0	0	0	0
COMMISSION MONTH		1	1	1	1	1	1	1	1	1	1	1	1	1	1
COMMISSION YEAR		2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100
DEFERRAL PRIORITY		0	0	0	0	0	0	0	0	0	0	0	0	0	0

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DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0	0
ESCALATION ANCIILLARY REVENUE								
ESCALATION BID PRICE AT INCREMENT								
ESCALATION BID PRICE AT MINIMUM								
ESCALATION CAPACITY REVENUE								
ESCALATION CAPITAL COSTS								
ESCALATION FIXED ANNUAL RATE								
ESCALATION FIXED SEASONAL RATE								
ESCALATION VARIABLE COSTS								
IMMATURE FORCED OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IMMATURE PERIOD	0	0	0	0	0	0	0	0
MATURITY YEAR	1900	1900	1900	1900	1900	1900	1900	1900
PURCHASE UNIT FLAG	0	0	0	0	0	0	0	0
RESERVE OF TOTAL UNIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF UPPER SEGMENT	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESOURCE TYPE	C	C	C	C	C	C	C	C
RETIREMENT MONTH	12	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2100	2100	2100	2100	2100	2100	2100
SOURCE INDEX NUMBER	0	0	0	0	0	0	0	0
THERMAL UNIT TYPE								

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

DESCRIPTION	247	248	249	250	251	252	253
THERMAL UNIT	1	1	1	0	1	1	1
AIR BASIN POINTER	1	1	1	1	1	1	1
BID PRICE ACCOUNTING FLAG	0	0	0	0	0	0	0
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	1	1	1	6	5	6
COMMISSION YEAR	2100	2100	2100	2100	2100	2100	2100
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCILLARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMENT	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0	0
ESCALATION FIXED COSTS	0	0	0	0	0	0	0
ESCALATION FIXED SEASONAL RATE	0	0	0	0	0	0	0
ESCALATION VARIABLE COSTS	0	0	0	0	0	0	0
IMMATURE FORCED OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IMMATURE PERIOD	0	0	0	0	0	0	0
MATURITY YEAR	1900	1900	1900	1900	2010	2010	2010
PURCHASE UNIT FLAG	0	0	0	0	0	0	0
RESERVE OF UPPER SEGMENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESOURCE TYPE	C	C	C	C	C	C	C
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2100	2100	2100	2100	2100	2100
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

DESCRIPTION	254	255	256	257	258	259	260
THERMAL UNIT	1	1	0	2	2	2	2
AIR BASIN POINTER	1	1	1	1	1	1	1
BID PRICE ACCOUNTING FLAG	0	0	0	0	0	0	0
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	6	6	1	5	6	6	6
COMMISSION YEAR	2100	2100	2100	2100	2100	2100	2100
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCILLARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMENT	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0	0
ESCALATION FIXED COSTS	0	0	0	0	0	0	0
ESCALATION VARIABLE COSTS	0	0	0	0	0	0	0
IMMATURE FORCED OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IMMATURE PERIOD	0	0	0	0	0	0	0
MATURITY YEAR	2010	2010	1900	2010	2010	2010	2010
PURCHASE UNIT FLAG	0	0	0	0	0	0	0
RESERVE OF TOTAL UNIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF UPPER SEGMENT	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESOURCE TYPE	C	C	C	C	C	C	C
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2100	2100	2100	2100	2100	2100
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

DESCRIPTION	261	262	263	264	265	266	267
THERMAL UNIT	0	0	0	1	1	0	0
AIR BASIN POINTER	1	1	1	1	1	1	1
BID PRICE ACCOUNTING FLAG	0	0	0	0	0	0	0
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	1	1	1	1	1	1
COMMISSION YEAR	2100	2100	2100	2100	2100	2100	2100
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCILLARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMENT	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0	0
ESCALATION FIXED COSTS	0	0	0	0	0	0	0
ESCALATION FIXED SEASONAL RATE	0	0	0	0	0	0	0
ESCALATION VARIABLE COSTS	0	0	0	0	0	0	0
IMMATURE FORCED OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IMMATURE PERIOD	0	0	0	0	0	0	0
MATURITY YEAR	1900	1900	1900	1900	1900	1900	1900
PURCHASE UNIT FLAG	0	0	0	0	0	0	0
RESERVE OF TOTAL UNIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF UPPER SEGMENT	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESOURCE TYPE	C	C	C	C	C	C	C
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2100	2100	2100	2100	2100	2100
THERMAL UNIT TYPE							

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SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							
THERMAL UNIT							
AIR BASIN POINTNER	268	269	270	271	272	273	274
BID PRICE ACCOUNTING FLAG	1	1	1	1	1	1	2
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	0	1	1	0	1	0
COMMISSION YEAR	2100	2100	2100	2100	2100	2100	2100
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCIARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMEN	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0	0
	FIX06M	FIX06M	FIX06M	FIX06M	FIX06M	FIX06M	FIX06M

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT		268		269		270		271		272		273		274	
		BIGSD_15		BIGSD_1		BIGSD_GP		CLN_Q_HM		CLN_Q_15		CLN_Q_HM		CLN_Q_15	
ESCALATION FIXED SEASONAL COSTS	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ESCALATION VARIABLE COSTS	YEARS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IMMATURE FORCED OUTAGE RATE	YEAR	1900	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010
MATURITY YEAR		0	0	0	0	0	0	0	0	0	0	0	0	0	0
PURCHASE UNIT FLAG		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF TOTAL UNIT	%	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESOURCE TYPE		C	C	C	C	C	C	C	C	C	C	C	C	C	C
RETIREMENT MONTH	MONTH	12	6	6	6	6	6	6	6	6	6	6	6	6	6
RETIREMENT YEAR	YEAR	2100	2015	2015	2025	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015
SOURCE INDEX NUMBER		0	0	0	0	0	0	0	0	0	0	0	0	0	0
THERMAL UNIT TYPE															

THERMAL UNIT		275		276		277		278		279		280		281	
		CLN_Q_HM		CLN_Q_15		CVL_3_HM		CVL_3_10		CLN_5_HM		GIN_5_15		GIN_6_HM	
AIR BASIN POINTER		1	1	1	1	1	1	1	1	1	1	1	1	1	1
BID PRICE ACCOUNTING FLAG		0	0	0	0	0	0	0	0	0	0	0	0	0	0
BID PRICE OPTION		0	0	0	0	0	0	0	0	0	0	0	0	0	0
COMMISSION MONTH	MONTH	1	1	1	1	1	1	1	1	1	1	1	1	1	1
COMMISSION YEAR	YEAR	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100
DEFERRAL PRIORITY		0	0	0	0	0	0	0	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION		0	0	0	0	0	0	0	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION		0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESCALATION ANCILLARY REVENUE		0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMEN		0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM		0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE		0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS		0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE		0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESCALATION FIXED SEASONAL COSTS		0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESCALATION VARIABLE COSTS		0	0	0	0	0	0	0	0	0	0	0	0	0	0
IMMATURE FORCED OUTAGE RATE		0	0	0	0	0	0	0	0	0	0	0	0	0	0
MATURITY YEAR	YEARS	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010
PURCHASE UNIT FLAG		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF TOTAL UNIT	%	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESOURCE TYPE		C	C	C	C	C	C	C	C	C	C	C	C	C	C
RETIREMENT MONTH	MONTH	6	6	6	6	6	6	6	6	6	6	6	6	6	6
RETIREMENT YEAR	YEAR	2025	2015	2015	2012	2010	2010	2025	2015	2015	2015	2015	2015	2025	2025
SOURCE INDEX NUMBER		0	0	0	0	0	0	0	0	0	0	0	0	0	0
THERMAL UNIT TYPE															

THERMAL UNIT		282		283		284		285		286		287		288	
		GLN_6_15		KMR_F_HM		KMR_F_GP		KMR_F_HM		KMR_F_GP		KMR_F_HM		KMR_F_GP	
AIR BASIN POINTER		1	1	1	1	1	1	1	1	1	1	1	1	1	1
BID PRICE ACCOUNTING FLAG		0	0	0	0	0	0	0	0	0	0	0	0	0	0
BID PRICE OPTION		0	0	0	0	0	0	0	0	0	0	0	0	0	0
COMMISSION MONTH	MONTH	1	1	1	1	1	1	1	1	1	1	1	1	1	1
COMMISSION YEAR	YEAR	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100
DEFERRAL PRIORITY		0	0	0	0	0	0	0	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION		0	0	0	0	0	0	0	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION		0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESCALATION ANCILLARY REVENUE		0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMEN		0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM		0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE		0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS		0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE		0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESCALATION FIXED SEASONAL COSTS		0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESCALATION VARIABLE COSTS		0	0	0	0	0	0	0	0	0	0	0	0	0	0
IMMATURE FORCED OUTAGE RATE		0	0	0	0	0	0	0	0	0	0	0	0	0	0
MATURITY YEAR	YEARS	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010
PURCHASE UNIT FLAG		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF TOTAL UNIT	%	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESOURCE TYPE		C	C	C	C	C	C	C	C	C	C	C	C	C	C
RETIREMENT MONTH	MONTH	6	6	6	6	6	6	6	6	6	6	6	6	6	6
RETIREMENT YEAR	YEAR	2015	2025	2025	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015
SOURCE INDEX NUMBER		0	0	0	0	0	0	0	0	0	0	0	0	0	0
THERMAL UNIT TYPE															

THERMAL UNIT		289		290		291		292		293		294		295	
		KWA_1_HM		KWA_1_15		KWA_2_HM		KWA_2_15		MSKRL_HM		MSKRL_12		MSKRZ_HM	
AIR BASIN POINTER		1	1	1	1	1	1	1	1	1	1	1	1	1	1
BID PRICE ACCOUNTING FLAG		0	0	0	0	0	0	0	0	0	0	0	0	0	0
BID PRICE OPTION		0	0	0	0	0	0	0	0	0	0	0	0	0	0
COMMISSION MONTH	MONTH	1	1	1	1	1	1	1	1	1	1	1	1	1	1
COMMISSION YEAR	YEAR	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100
DEFERRAL PRIORITY		0	0	0	0	0	0	0	0	0	0	0	0	0	0

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GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

DESCRIPTION	296	297	298	299	300	301	302
THERMAL UNIT							
AIR BASIN POINTER	MSKR2_12	MSKR3_GP	MR3HW_12	MSKR4_GP	M4HM_12	PICWY_HM	PICWY_GP
BID PRICE ACCOUNTING FLAG	2	3	3	4	4	5	5
BID PRICE OPTION	0	1	1	1	1	1	1
COMMISSION MONTH	0	0	0	0	0	0	0
COMMISSION YEAR	1	1	1	1	1	1	1
DEFERRAL PRIORITY	2100	2100	2100	2100	2100	2100	2100
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCILLARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMENT	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0	0
ESCALATION FIXED SEASONAL RATE	0	0	0	0	0	0	0
ESCALATION VARIABLE COSTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ESCALATION FORCED OUTAGE RATE	0	0	0	0	0	0	0
MATURITY PERIOD	0	0	0	0	0	0	0
MATURITY YEAR	0	0	0	0	0	0	0
PURCHASE UNIT FLAG	2010	2010	2010	2010	2010	2010	2010
RESERVE OF TOTAL UNIT	0	0	0	0	0	0	0
RESERVE OF UPPER SEGMENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESOURCE TYPE	C	C	C	C	C	C	C
RETIREMENT MONTH	6	6	6	6	6	6	6
RETIREMENT YEAR	2012	2015	2012	2015	2012	2025	2015
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

DESCRIPTION	303	304	305	306	307	308	309
THERMAL UNIT							
AIR BASIN POINTER	SP1_F_HM	SP1_F_15	SP2_F_HM	SP2_F_15	SP3_Q_HM	SP3_Q_15	SP4_Q_HM
BID PRICE ACCOUNTING FLAG	1	1	1	2	3	3	4
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	0	0	0	0	0	0	0
COMMISSION YEAR	1	1	1	1	1	1	1
DEFERRAL PRIORITY	2100	2100	2100	2100	2100	2100	2100
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCILLARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMENT	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0	0
ESCALATION FIXED SEASONAL RATE	0	0	0	0	0	0	0
ESCALATION VARIABLE COSTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ESCALATION FORCED OUTAGE RATE	0	0	0	0	0	0	0
MATURITY PERIOD	0	0	0	0	0	0	0
MATURITY YEAR	0	0	0	0	0	0	0
PURCHASE UNIT FLAG	2010	2010	2010	2010	2010	2010	2010
RESERVE OF TOTAL UNIT	0	0	0	0	0	0	0
RESERVE OF UPPER SEGMENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESOURCE TYPE	C	C	C	C	C	C	C
RETIREMENT MONTH	6	6	6	6	6	6	6
RETIREMENT YEAR	2025	2015	2025	2015	2025	2015	2025
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

DESCRIPTION	310	311	312	313	314	315	316
THERMAL UNIT							
AIR BASIN POINTER	SP4_Q_15	SP5_HM	SP5_15	TNR_F_HM	TNR_F_15	TNR_F_HM	TNR_F_15
BID PRICE ACCOUNTING FLAG	4	5	5	1	1	2	2
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	0	0	0	0	0	0	0
COMMISSION YEAR	1	1	1	1	1	1	1
DEFERRAL PRIORITY	2100	2100	2100	2100	2100	2100	2100
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCILLARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMENT	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0	0
ESCALATION FIXED SEASONAL RATE	0	0	0	0	0	0	0
ESCALATION VARIABLE COSTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ESCALATION FORCED OUTAGE RATE	0	0	0	0	0	0	0
MATURITY PERIOD	0	0	0	0	0	0	0
MATURITY YEAR	0	0	0	0	0	0	0
PURCHASE UNIT FLAG	2010	2010	2010	2010	2010	2010	2010
RESERVE OF TOTAL UNIT	0	0	0	0	0	0	0
RESERVE OF UPPER SEGMENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESOURCE TYPE	C	C	C	C	C	C	C
RETIREMENT MONTH	6	6	6	6	6	6	6
RETIREMENT YEAR	2015	2013	2010	2025	2015	2025	2015
THERMAL UNIT TYPE							

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SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							
THERMAL UNIT							
317	TNR_F_317	318	319	320	322	323	324
3	TNR_F_3	3	5	1	0	0	0
AIR BASIN POINTER	1	1	1	1	1	1	1
BID PRICE ACCOUNTING FLAG	0	0	0	0	0	0	0
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	1	1	1	1	1	1
COMMISSION YEAR	2100	2100	2100	2100	2100	2100	2100
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCILLARY REVENUE							
ESCALATION BID PRICE AT INCREMENT							
ESCALATION BID PRICE AT MINIMUM							
ESCALATION CAPACITY REVENUE							
ESCALATION CAPITAL COSTS							
ESCALATION FIXED ANNUAL RATE	FIX06M	FIX06M		FIX06M			

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GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT	317	318	319	320	322	323	324
	TNR_F_HM 3	TNR_F_15 3	PW_GP_15 5	RH111s 1			
ESCALATION FIXED SEASONAL RATE							
ESCALATION VARIABLE COSTS							
IMMATURE FORCED OUTAGE RATE							
MATURITY PERIOD							
PURCHASE UNIT FLAG							
RESERVE OF TOTAL UNIT							
RESERVE OF UPPER SEGMENT							
RESOURCE TYPE							
RETIREMENT MONTH							
RETIREMENT YEAR							
SOURCE INDEX NUMBER							
THERMAL UNIT TYPE							
	VAR04M	VAR04M	VAR04M	VAR04M			
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0	0	0	0	0
	2010	2010	2010	2010	1900	1900	1900
	0	0	0	0	0	0	0
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	100.00	100.00	100.00	0.00	100.00	100.00	100.00
	C	C	C	C	C	C	C
	6	6	6	12	12	12	12
	2025	2015	2015	2100	9999	9999	9999
	0	0	0	0	0	0	0

THERMAL UNIT	325	326	327	328	329	330	331
AIR BASIN POINTER	1	1	1	1	1	1	1
BID PRICE ACCOUNTING FLAG	0	0	0	0	0	0	0
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	1	1	1	1	1	1
COMMISSION YEAR	2100	2100	2100	2100	2100	2100	2100
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCILLARY REVENUE							
ESCALATION BID PRICE AT INCREMEN							
ESCALATION BID PRICE AT MINIMUM							
ESCALATION CAPACITY REVENUE							
ESCALATION CAPITAL COSTS							
ESCALATION FIXED ANNUAL RATE							
ESCALATION FIXED COSTS							
ESCALATION VARIABLE COSTS							
ESCALATION FORCED OUTAGE RATE							
IMMATURE PERIOD							
PURCHASE UNIT FLAG							
RESERVE OF TOTAL UNIT							
RESERVE OF UPPER SEGMENT							
RESOURCE TYPE							
RETIREMENT MONTH							
RETIREMENT YEAR							
SOURCE INDEX NUMBER							
THERMAL UNIT TYPE							
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0	0	0	0	0
	1900	1900	1900	1900	1900	1900	1900
	0	0	0	0	0	0	0
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00
	C	C	C	C	C	C	C
	12	12	12	12	12	12	12
	9999	9999	9999	9999	9999	9999	9999
	0	0	0	0	0	0	0

THERMAL UNIT	332	333	335	336	337	338	339
AIR BASIN POINTER	1	1	1	1	1	1	1
BID PRICE ACCOUNTING FLAG	0	0	0	0	0	0	0
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	1	1	1	1	1	1
COMMISSION YEAR	2100	2100	2100	2100	2100	2100	2100
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCILLARY REVENUE							
ESCALATION BID PRICE AT INCREMEN							
ESCALATION BID PRICE AT MINIMUM							
ESCALATION CAPACITY REVENUE							
ESCALATION CAPITAL COSTS							
ESCALATION FIXED ANNUAL RATE							
ESCALATION FIXED COSTS							
ESCALATION VARIABLE COSTS							
ESCALATION FORCED OUTAGE RATE							
IMMATURE PERIOD							
PURCHASE UNIT FLAG							
RESERVE OF TOTAL UNIT							
RESERVE OF UPPER SEGMENT							
RESOURCE TYPE							
RETIREMENT MONTH							
RETIREMENT YEAR							
SOURCE INDEX NUMBER							
THERMAL UNIT TYPE							
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0	0	0	0	0
	1900	1900	1900	1900	1900	1900	1900
	0	0	0	0	0	0	0
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00
	C	C	C	C	C	C	C
	12	12	12	12	12	12	12
	9999	9999	9999	9999	9999	9999	9999
	0	0	0	0	0	0	0

THERMAL UNIT	340	341	342	343	344	345	346
AIR BASIN POINTER	1	1	1	1	1	1	1
BID PRICE ACCOUNTING FLAG	0	0	0	0	0	0	0
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	1	1	1	1	1	1
COMMISSION YEAR	2100	2100	2100	2100	2100	2100	2100
DEFERRAL PRIORITY	0	0	0	0	0	0	0

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DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0	0
ESCALATION ANCIILARY REVENUE								
ESCALATION BID PRICE AT INCREMENT								
ESCALATION BID PRICE AT MINIMUM								
ESCALATION CAPACITY REVENUE								
ESCALATION CAPITAL COSTS								
ESCALATION FIXED ANNUAL RATE								
ESCALATION FIXED SEASONAL RATE								
ESCALATION VARIABLE COSTS								
ESCALATION FORCED OUTAGE RATE								
IMMATURETY PERIOD	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MATURITY YEAR	YEARS	0	0	0	0	0	0	0
PURCHASE UNIT FLAG	YEAR	1900	1900	1900	1900	1900	1900	1900
RESERVE OF TOTAL UNIT		0	0	0	0	0	0	0
RESERVE OF UPPER SEGMENT	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESOURCE TYPE		100.00	100.00	100.00	100.00	100.00	100.00	100.00
RETIREMENT MONTH	MONTH	C	C	C	C	C	C	C
RETIREMENT YEAR	YEAR	12	12	12	12	12	12	12
SOURCE INDEX NUMBER		9999	9999	9999	9999	9999	9999	9999
THERMAL UNIT TYPE		0	0	0	0	0	0	0

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

QUALIFIER	347	348	349	350	351	352	353
THERMAL UNIT	0	0	0	0	0	0	0
AIR BASIN POINTER	1	1	1	1	1	1	1
BID PRICE ACCOUNTING FLAG	0	0	0	0	0	0	0
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	1	1	1	1	1	1
COMMISSION YEAR	2100	2100	2100	2100	2100	2100	2100
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANGLIARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMENT	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0	0
ESCALATION FIXED SEASONAL RATE	0	0	0	0	0	0	0
ESCALATION VARIABLE COSTS	0	0	0	0	0	0	0
IMMATURE FORCED OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IMMATURE PERIOD	0	0	0	0	0	0	0
MATURITY YEAR	1900	1900	1900	1900	1900	1900	1900
PURCHASE UNIT FLAG	0	0	0	0	0	0	0
RESERVE OF TOTAL UNIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF UPPER SEGMENT	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESOURCE TYPE	C	C	C	C	C	C	C
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	9999	9999	9999	2100	2100	2100	2100
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

QUALIFIER	354	355	356	357	358	359	360
THERMAL UNIT	0	0	0	0	0	0	0
AIR BASIN POINTER	1	1	1	1	1	1	1
BID PRICE ACCOUNTING FLAG	0	0	0	0	0	0	0
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	1	1	1	1	1	1
COMMISSION YEAR	2100	2100	2100	2100	2100	2100	2100
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANGLIARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMENT	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0	0
ESCALATION FIXED SEASONAL RATE	0	0	0	0	0	0	0
ESCALATION VARIABLE COSTS	0	0	0	0	0	0	0
IMMATURE FORCED OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IMMATURE PERIOD	0	0	0	0	0	0	0
MATURITY YEAR	1900	1900	1900	1900	1900	1900	1900
PURCHASE UNIT FLAG	0	0	0	0	0	0	0
RESERVE OF TOTAL UNIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF UPPER SEGMENT	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESOURCE TYPE	C	C	C	C	C	C	C
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2100	2100	2100	2100	2100	2100
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

QUALIFIER	361	362	363	364	365	366	367
THERMAL UNIT	0	0	0	0	0	0	0
AIR BASIN POINTER	1	1	1	1	1	1	1
BID PRICE ACCOUNTING FLAG	0	0	0	0	0	0	0
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	1	1	1	1	1	1
COMMISSION YEAR	2100	2100	2100	2100	2100	2100	2100
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANGLIARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMENT	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0	0
ESCALATION FIXED SEASONAL RATE	0	0	0	0	0	0	0
ESCALATION VARIABLE COSTS	0	0	0	0	0	0	0
ESCALATION VARIABLE COSTS	0	0	0	0	0	0	0
IMMATURE FORCED OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IMMATURE PERIOD	0	0	0	0	0	0	0
MATURITY YEAR	1900	1900	1900	1900	1900	1900	1900
PURCHASE UNIT FLAG	0	0	0	0	0	0	0
RESERVE OF TOTAL UNIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF UPPER SEGMENT	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESOURCE TYPE	C	C	C	C	C	C	C
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2100	2100	2100	2100	2100	2100

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SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							
THERMAL UNIT	368	369	370	371	372	373	374
AIR BASIN POINTER	0	0	0	0	0	0	0
BID PRICE ACCOUNTING FLAG	1	1	1	1	1	1	1
BID PRICE OPTION	0	0	0	0	0	0	0
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	1	1	1	1	1	1
COMMISSION YEAR	2100	2100	2100	2100	2100	2100	2100
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANGLIARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMEN	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0	0

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	368	369	370	371	372	373	374
ESCALATION FIXED COSTS	0	0	0	0	0	0	0
ESCALATION VARIABLE COSTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IMMATURE FORCED OUTAGE RATE	0	0	0	0	0	0	0
IMMATURE PERIOD	0	0	0	0	0	0	0
MATURITY YEAR	1900	1900	1900	1900	1900	1900	1900
PURCHASE UNIT FLAG	0	0	0	0	0	0	0
RESERVE OF TOTAL UNIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF UPPER SEGMENT	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESOURCE TYPE	C	C	C	C	C	C	C
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2100	2100	2100	2100	2100	2100
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

THERMAL UNIT	375	376	377	378	379	380	381
AIR BASIN POINTER	0	0	0	0	0	0	0
BID PRICE ACCOUNTING FLAG	1	1	1	1	1	1	1
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	0	0	0	0	0	0	0
COMMISSION YEAR	1	1	1	1	1	1	1
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCILLARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMENT	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0	0
ESCALATION FIXED COSTS	0	0	0	0	0	0	0
ESCALATION VARIABLE COSTS	0	0	0	0	0	0	0
IMMATURE FORCED OUTAGE RATE	0	0	0	0	0	0	0
IMMATURE PERIOD	0	0	0	0	0	0	0
MATURITY YEAR	1900	1900	1900	1900	1900	1900	1900
PURCHASE UNIT FLAG	0	0	0	0	0	0	0
RESERVE OF TOTAL UNIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF UPPER SEGMENT	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESOURCE TYPE	C	C	C	C	C	C	C
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2100	2100	2100	2100	2100	2100
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

THERMAL UNIT	382	383	384	385	390	391	392
AIR BASIN POINTER	0	0	0	0	0	0	0
BID PRICE ACCOUNTING FLAG	1	1	1	1	1	1	1
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	0	0	0	0	0	0	0
COMMISSION YEAR	1	1	1	1	1	1	1
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCILLARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMENT	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0	0
ESCALATION FIXED COSTS	0	0	0	0	0	0	0
ESCALATION VARIABLE COSTS	0	0	0	0	0	0	0
IMMATURE FORCED OUTAGE RATE	0	0	0	0	0	0	0
IMMATURE PERIOD	0	0	0	0	0	0	0
MATURITY YEAR	1900	1900	1900	1900	1900	1900	1900
PURCHASE UNIT FLAG	0	0	0	0	0	0	0
RESERVE OF TOTAL UNIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF UPPER SEGMENT	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESOURCE TYPE	C	C	C	C	C	C	C
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2100	2100	2100	2100	2100	2100
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

THERMAL UNIT	393	394	395	396	397	398	399
AIR BASIN POINTER	0	0	0	0	0	0	0
BID PRICE ACCOUNTING FLAG	1	1	1	1	1	1	1
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	0	0	0	0	0	0	0
COMMISSION YEAR	1	1	1	1	1	1	1
DEFERRAL PRIORITY	0	0	0	0	0	0	0

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DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0	0
ESCALATION ANCIILARY REVENUE								
ESCALATION BID PRICE AT INCREMEN								
ESCALATION BID PRICE AT MINIMUM								
ESCALATION CAPACITY REVENUE								
ESCALATION CAPITAL COSTS								
ESCALATION FIXED ANNUAL RATE								
ESCALATION FIXED SEASONAL RATE								
ESCALATION VARIABLE COSTS								
IMMATURE FORCED OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IMMATURETY PERIOD	0	0	0	0	0	0	0	0
MATURITY YEAR	1900	1900	1900	1900	1900	1900	1900	1900
PURCHASE UNIT FLAG	0	0	0	0	0	0	0	0
RESERVE OF TOTAL UNIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF UPPER SEGMENT	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESOURCE TYPE	C	C	C	C	C	C	C	C
RETIREMENT MONTH	12	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2100	2100	2100	2100	2100	2100	2100
SOURCE INDEX NUMBER	0	0	0	0	0	0	0	0
THERMAL UNIT TYPE								

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

DESCRIPTION	400	401	402	403	404	405	406
THERMAL UNIT	400	401	402	403	404	405	406
AIR BASIN POINTER	0	0	0	0	0	0	0
BID PRICE ACCOUNTING FLAG	1	1	1	1	1	1	1
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	0	0	0	0	0	0	0
COMMISSION YEAR	1	1	1	1	1	1	1
DEFERRAL PRIORITY	2100	2100	2100	2100	2100	2100	2100
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCIILARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMEN	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0	0
ESCALATION FIXED SEASONAL RATE	0	0	0	0	0	0	0
ESCALATION VARIABLE COSTS	0	0	0	0	0	0	0
ESCALATION FORCED OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IMMATURE PERIOD	0	0	0	0	0	0	0
MATURITY YEAR	0	0	0	0	0	0	0
PURCHASE UNIT FLAG	1900	1900	1900	1900	1900	1900	1900
RESERVE OF TOTAL UNIT	0	0	0	0	0	0	0
RESERVE OF UPPER SEGMENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESOURCE TYPE	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2100	2100	2100	2100	2100	2100
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

DESCRIPTION	407	408	409	410	411	412	413
THERMAL UNIT	407	408	409	410	411	412	413
AIR BASIN POINTER	0	0	0	0	0	0	0
BID PRICE ACCOUNTING FLAG	1	1	1	1	1	1	1
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	0	0	0	0	0	0	0
COMMISSION YEAR	1	1	1	1	1	1	1
DEFERRAL PRIORITY	2100	2100	2100	2100	2100	2100	2100
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCIILARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMEN	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0	0
ESCALATION FIXED SEASONAL RATE	0	0	0	0	0	0	0
ESCALATION VARIABLE COSTS	0	0	0	0	0	0	0
ESCALATION FORCED OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IMMATURE PERIOD	0	0	0	0	0	0	0
MATURITY YEAR	1900	1900	1900	1900	1900	1900	1900
PURCHASE UNIT FLAG	0	0	0	0	0	0	0
RESERVE OF TOTAL UNIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF UPPER SEGMENT	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESOURCE TYPE	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2100	2100	2100	2100	2100	2100
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

DESCRIPTION	414	415	416	417	418	419	420
THERMAL UNIT	414	415	416	417	418	419	420
AIR BASIN POINTER	0	0	0	0	0	0	0
BID PRICE ACCOUNTING FLAG	1	1	1	1	1	1	1
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	0	0	0	0	0	0	0
COMMISSION YEAR	1	1	1	1	1	1	1
DEFERRAL PRIORITY	2100	2100	2100	2100	2100	2100	2100
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCIILARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMEN	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0	0
ESCALATION FIXED SEASONAL RATE	0	0	0	0	0	0	0
ESCALATION VARIABLE COSTS	0	0	0	0	0	0	0
ESCALATION FORCED OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IMMATURE PERIOD	0	0	0	0	0	0	0
MATURITY YEAR	0	0	0	0	0	0	0
PURCHASE UNIT FLAG	1900	1900	1900	1900	1900	1900	1900
RESERVE OF TOTAL UNIT	0	0	0	0	0	0	0
RESERVE OF UPPER SEGMENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESOURCE TYPE	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2100	2100	2100	2100	2100	2100

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SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							
THERMAL UNIT	421	422	423	424	425	426	427
AIR BASIN POINTER	0	0	0	0	0	0	0
BID PRICE ACCOUNTING FLAG	1	1	1	1	1	1	1
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	1	1	1	1	1	1
COMMISSION YEAR	2100	2100	2100	2100	2100	2100	2100
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCILLARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMEN	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0	0

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	421	422	423	424	425	426	427
ESCALATION FIXED COSTS	0	0	0	0	0	0	0
ESCALATION FIXED SEASONAL RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ESCALATION VARIABLE COSTS	0	0	0	0	0	0	0
IMMATURE FORCED OUTAGE RATE	1900	1900	1900	1900	1900	1900	1900
MATURITY PERIOD	0	0	0	0	0	0	0
MATURITY YEAR	0	0	0	0	0	0	0
PURCHASE UNIT FLAG	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF TOTAL UNIT	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESERVE OF UPPER SEGMENT	C	C	C	C	C	C	C
RESOURCE TYPE	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2100	2100	2100	2100	2100	2100
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

THERMAL UNIT	428	429	430	431	432	433	435
AIR BASIN POINTER	0	0	0	0	0	0	0
BID PRICE ACCOUNTING FLAG	1	1	1	1	1	1	1
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	1	1	1	1	1	1
COMMISSION YEAR	2100	2100	2100	2100	2100	2100	2100
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCIILARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMENT	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ESCALATION FIXED COSTS	0	0	0	0	0	0	0
ESCALATION FIXED SEASONAL RATE	1900	1900	1900	1900	1900	1900	1900
ESCALATION VARIABLE COSTS	0	0	0	0	0	0	0
IMMATURE FORCED OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MATURITY PERIOD	0	0	0	0	0	0	0
MATURITY YEAR	1900	1900	1900	1900	1900	1900	1900
PURCHASE UNIT FLAG	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF TOTAL UNIT	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESERVE OF UPPER SEGMENT	C	C	C	C	C	C	C
RESOURCE TYPE	12	12	12	12	12	12	12
RETIREMENT MONTH	2100	2100	2100	2100	2100	2100	2100
RETIREMENT YEAR	0	0	0	0	0	0	0
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

THERMAL UNIT	436	437	438	440	441	442	443
AIR BASIN POINTER	0	0	0	0	0	0	0
BID PRICE ACCOUNTING FLAG	1	1	1	1	1	1	1
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	1	1	1	1	1	1
COMMISSION YEAR	2100	2100	2100	2100	2100	2100	2100
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCIILARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMENT	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ESCALATION FIXED COSTS	0	0	0	0	0	0	0
ESCALATION FIXED SEASONAL RATE	1900	1900	1900	1900	1900	1900	1900
ESCALATION VARIABLE COSTS	0	0	0	0	0	0	0
IMMATURE FORCED OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MATURITY PERIOD	0	0	0	0	0	0	0
MATURITY YEAR	1900	1900	1900	1900	1900	1900	1900
PURCHASE UNIT FLAG	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF TOTAL UNIT	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESERVE OF UPPER SEGMENT	C	C	C	C	C	C	C
RESOURCE TYPE	12	12	12	12	12	12	12
RETIREMENT MONTH	2100	2100	2100	2100	2100	2100	2100
RETIREMENT YEAR	0	0	0	0	0	0	0
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

THERMAL UNIT	444	445	447	449	450	451	452
AIR BASIN POINTER	0	0	0	0	0	0	0
BID PRICE ACCOUNTING FLAG	1	1	1	1	1	1	1
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	1	1	1	1	1	1
COMMISSION YEAR	2100	2100	2100	2100	2100	2100	2100
DEFERRAL PRIORITY	0	0	0	0	0	0	0

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DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0	0
ESCALATION ANCIILIARY REVENUE								
ESCALATION BID PRICE AT INCREMEN								
ESCALATION BID PRICE AT MINIMUM								
ESCALATION CAPACITY REVENUE								
ESCALATION CAPITAL COSTS								
ESCALATION FIXED ANNUAL RATE								
ESCALATION FIXED SEASONAL RATE								
ESCALATION VARIABLE COSTS								
EMATURED FORCED OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMATURED PERIOD	0	0	0	0	0	0	0	0
MATURED YEAR	1900	1900	1900	1900	1900	1900	1900	1900
PURCHASE UNIT FLAG	0	0	0	0	0	0	0	0
RESERVE OF TOTAL UNIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF UPPER SEGMENT	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESOURCE TYPE	C	C	C	C	C	C	C	C
RETIREMENT MONTH	12	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2100	2100	2100	2100	2100	2100	2100
SOURCE INDEX NUMBER	0	0	0	0	0	0	0	0
THERMAL UNIT TYPE								

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER - GAF.INPUT.THERMAL UNIT.

UNIT	453	454	455	456	457	460	461
THERMAL UNIT	0	0	0	0	0	0	0
AIR BASIN POINTER	1	1	1	1	1	1	1
BID PRICE ACCOUNTING FLAG	0	0	0	0	0	0	0
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	1	1	1	1	1	1
COMMISSION YEAR	2100	2100	2100	2100	2100	2100	2100
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCIILARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMEN	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0	0
ESCALATION FIXED SEASONAL RATE	0	0	0	0	0	0	0
ESCALATION VARIABLE COSTS	0	0	0	0	0	0	0
IMMATURE FORCED OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IMMATURE PERIOD	0	0	0	0	0	0	0
MATURITY YEAR	1900	1900	1900	1900	1900	1900	1900
PURCHASE UNIT FLAG	0	0	0	0	0	0	0
RESERVE OF TOTAL UNIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF UPPER SEGMENT	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESOURCE TYPE	C	C	C	C	C	C	C
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2100	2100	2100	2100	2100	2100
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

UNIT	462	463	465	466	467	468	469
THERMAL UNIT	0	0	0	0	0	0	0
AIR BASIN POINTER	1	1	1	1	1	1	1
BID PRICE ACCOUNTING FLAG	0	0	0	0	0	0	0
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	1	1	1	1	1	1
COMMISSION YEAR	2100	2100	2100	2100	2100	2100	2100
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCIILARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMEN	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0	0
ESCALATION FIXED SEASONAL RATE	0	0	0	0	0	0	0
ESCALATION VARIABLE COSTS	0	0	0	0	0	0	0
IMMATURE FORCED OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IMMATURE PERIOD	0	0	0	0	0	0	0
MATURITY YEAR	1900	1900	1900	1900	1900	1900	1900
PURCHASE UNIT FLAG	0	0	0	0	0	0	0
RESERVE OF TOTAL UNIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF UPPER SEGMENT	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESOURCE TYPE	C	C	C	C	C	C	C
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2100	2100	2100	2100	2100	2100
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

UNIT	470	472	474	475	476	477	478
THERMAL UNIT	0	0	0	0	0	0	0
AIR BASIN POINTER	1	1	1	1	1	1	1
BID PRICE ACCOUNTING FLAG	0	0	0	0	0	0	0
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	1	1	1	1	1	1
COMMISSION YEAR	2100	2100	2100	2100	2100	2100	2100
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCIILARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMEN	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0	0
ESCALATION FIXED SEASONAL RATE	0	0	0	0	0	0	0
ESCALATION VARIABLE COSTS	0	0	0	0	0	0	0
IMMATURE FORCED OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IMMATURE PERIOD	0	0	0	0	0	0	0
MATURITY YEAR	1900	1900	1900	1900	1900	1900	1900
PURCHASE UNIT FLAG	0	0	0	0	0	0	0
RESERVE OF TOTAL UNIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF UPPER SEGMENT	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESOURCE TYPE	C	C	C	C	C	C	C
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2100	2100	2100	2100	2100	2100

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SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE	0	0	0	0	0	0	0
THERMAL UNIT	479	480	481	482	484	485	486
AIR BASIN POINTER	0	0	0	0	0	0	0
BID PRICE ACCOUNTING FLAG	1	1	1	1	1	1	1
BID PRICE OPTION	0	0	0	0	0	0	0
BID PRICE OPTION	1	1	1	1	1	1	1
COMMISSION MONTH	2100	2100	2100	2100	2100	2100	2100
COMMISSION YEAR	0	0	0	0	0	0	0
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANGLIARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMEN	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0	0

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT	479	480	481	482	484	485	486
ESCALATION FIXED SEASONAL COSTS	0	0	0	0	0	0	0
ESCALATION VARIABLE COSTS	0	0	0	0	0	0	0
IMMATURE FORCED OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IMMATURE PERIOD	0	0	0	0	0	0	0
PURCHASE UNIT FLAG	1900	1900	1900	1900	1900	1900	1900
MATURITY YEAR	0	0	0	0	0	0	0
RESERVE OF TOTAL UNIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF UPPER SEGMENT	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESOURCE TYPE	C	C	C	C	C	C	C
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2100	2100	2100	2100	2100	2100
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

THERMAL UNIT	487	488	490	491	493	494	495
AIR BASIN POINTER	0	0	0	0	0	0	0
BID PRICE ACCOUNTING FLAG	1	1	1	1	1	1	1
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	1	1	1	1	1	1
COMMISSION YEAR	2100	2100	2100	2100	2100	2100	2100
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCIILARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMENT	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0	0
ESCALATION FIXED SEASONAL RATE	0	0	0	0	0	0	0
ESCALATION VARIABLE COSTS	0	0	0	0	0	0	0
IMMATURE FORCED OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IMMATURE PERIOD	0	0	0	0	0	0	0
MATURITY YEAR	1900	1900	1900	1900	1900	1900	1900
PURCHASE UNIT FLAG	0	0	0	0	0	0	0
RESERVE OF TOTAL UNIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF UPPER SEGMENT	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESOURCE TYPE	C	C	C	C	C	C	C
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2100	2100	2100	2100	2100	2100
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

THERMAL UNIT	496	497	500	501	502	503	958
AIR BASIN POINTER	0	0	0	0	0	0	958
BID PRICE ACCOUNTING FLAG	1	1	1	1	1	1	1
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	1	6	6	1	6	1
COMMISSION YEAR	2100	2100	2100	2100	2100	2100	2025
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCIILARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMENT	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0	0
ESCALATION FIXED SEASONAL RATE	0	0	0	0	0	0	0
ESCALATION VARIABLE COSTS	0	0	0	0	0	0	0
IMMATURE FORCED OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IMMATURE PERIOD	0	0	0	0	0	0	0
MATURITY YEAR	1900	1900	1900	1900	1900	1900	2025
PURCHASE UNIT FLAG	0	0	0	0	0	0	0
RESERVE OF TOTAL UNIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF UPPER SEGMENT	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESOURCE TYPE	C	C	C	C	C	C	C
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	2100	2100	2100	2100	2100	2100	2054
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

FIX06M

VAR06M

THERMAL UNIT	959	960	961	962	963	964	965
AIR BASIN POINTER	0	0	0	0	0	0	0
BID PRICE ACCOUNTING FLAG	1	1	1	1	1	1	1
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	1	1	1	1	1	1
COMMISSION YEAR	2020	2020	2020	2020	2018	2016	2016
DEFERRAL PRIORITY	0	0	0	0	0	0	0

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DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0	0
ESCALATION ANCIILARY REVENUE								
ESCALATION BID PRICE AT INCREMENT								
ESCALATION BID PRICE AT MINIMUM								
ESCALATION CAPACITY REVENUE								
ESCALATION CAPITAL COSTS								
ESCALATION FIXED ANNUAL RATE								
ESCALATION FIXED COSTS								
ESCALATION FIXED SEASONAL RATE								
ESCALATION VARIABLE COSTS								
IMMATURE FORCED OUTAGE RATE								
IMMATURE PERIOD								
MATURITY YEAR	0	0	0	0	0	0	0	0
PURCHASE UNIT FLAG	2020	2020	2020	2018	2016	2016	2016	2016
RESERVE OF TOTAL UNIT	0	0	0	0	0	0	0	0
RESERVE OF UPPER SEGMENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESOURCE TYPE	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RETIREMENT MONTH	C	C	C	C	C	C	C	C
RETIREMENT YEAR	12	12	12	12	12	12	12	12
SOURCE INDEX NUMBER	2049	2049	2049	2018	2016	2045	2045	2045
THERMAL UNIT TYPE	0	0	0	0	0	0	0	0

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP_INPUT.THERMAL UNIT.

DESCRIPTION	966	967	968	969	970	971	972
THERMAL UNIT							
AIR BASIN POINTER							
BID PRICE ACCOUNTING FLAG							
BID PRICE OPTION							
COMMISSION MONTH	1	0	0	0	0	0	0
COMMISSION YEAR	2015	2016	2015	2015	2015	2015	2015
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCIILLARY REVENUE							
ESCALATION BID PRICE AT INCREMEN							
ESCALATION BID PRICE AT MINIMUM							
ESCALATION CAPACITY REVENUE							
ESCALATION CAPITAL COSTS							
ESCALATION FIXED ANNUAL RATE							
ESCALATION FIXED SEASONAL RATE							
ESCALATION VARIABLE COSTS							
IMMATURE FORCED OUTAGE RATE							
IMMATURE PERIOD							
MATURITY YEAR							
PURCHASE UNIT FLAG							
RESERVE OF TOTAL UNIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF UPPER SEGMENT	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESOURCE TYPE	C	C	C	C	C	C	C
RETIREMENT MONTH	12	5	12	12	12	5	12
RETIREMENT YEAR	2045	2046	2044	2044	2044	2016	2015
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

DESCRIPTION	973	974	975	976	977	978	979
THERMAL UNIT							
AIR BASIN POINTER							
BID PRICE ACCOUNTING FLAG							
BID PRICE OPTION							
COMMISSION MONTH	1	0	0	0	0	0	0
COMMISSION YEAR	2015	2015	2015	2015	2015	2015	2015
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCIILLARY REVENUE							
ESCALATION BID PRICE AT INCREMEN							
ESCALATION BID PRICE AT MINIMUM							
ESCALATION CAPACITY REVENUE							
ESCALATION CAPITAL COSTS							
ESCALATION FIXED ANNUAL RATE							
ESCALATION FIXED SEASONAL RATE							
ESCALATION VARIABLE COSTS							
IMMATURE FORCED OUTAGE RATE							
IMMATURE PERIOD							
MATURITY YEAR							
PURCHASE UNIT FLAG							
RESERVE OF TOTAL UNIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF UPPER SEGMENT	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESOURCE TYPE	C	C	C	C	C	C	C
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	2015	2015	2015	2015	2015	2015	2015
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

DESCRIPTION	980	981	982	983	984	985	986
THERMAL UNIT							
AIR BASIN POINTER							
BID PRICE ACCOUNTING FLAG							
BID PRICE OPTION							
COMMISSION MONTH	1	0	0	0	0	0	0
COMMISSION YEAR	2015	2015	2015	2015	2015	2015	2015
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANCIILLARY REVENUE							
ESCALATION BID PRICE AT INCREMEN							
ESCALATION BID PRICE AT MINIMUM							
ESCALATION CAPACITY REVENUE							
ESCALATION CAPITAL COSTS							
ESCALATION FIXED ANNUAL RATE							
ESCALATION FIXED SEASONAL RATE							
ESCALATION VARIABLE COSTS							
IMMATURE FORCED OUTAGE RATE							
IMMATURE PERIOD							
MATURITY YEAR							
PURCHASE UNIT FLAG							
RESERVE OF TOTAL UNIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RESERVE OF UPPER SEGMENT	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RESOURCE TYPE	C	C	C	C	C	C	C
RETIREMENT MONTH	12	12	12	12	12	12	12
RETIREMENT YEAR	2015	2015	2015	2015	2015	2015	2015
SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							

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SOURCE INDEX NUMBER	0	0	0	0	0	0	0
THERMAL UNIT TYPE							
THERMAL UNIT							
AIR BASIN POINTER	987	988	989	990	991	992	993
BID PRICE ACCOUNTING FLAG	DUMMY OP 987	DUMMY OP 988	DUMMY OP 989	DUMMY OP 990	DUMMY OP 991	DUMMY OP 992	DUMMY OP 993
BID PRICE OPTION	0	0	0	0	0	0	0
COMMISSION MONTH	1	1	1	1	1	1	1
COMMISSION YEAR	2015	2015	2015	2015	2015	2015	2015
DEFERRAL PRIORITY	0	0	0	0	0	0	0
DISPATCH LAMBDA OPTION	0	0	0	0	0	0	0
EFFICIENT HEAT RATE OPTION	0	0	0	0	0	0	0
ESCALATION ANGLIARY REVENUE	0	0	0	0	0	0	0
ESCALATION BID PRICE AT INCREMENT	0	0	0	0	0	0	0
ESCALATION BID PRICE AT MINIMUM	0	0	0	0	0	0	0
ESCALATION CAPACITY REVENUE	0	0	0	0	0	0	0
ESCALATION CAPITAL COSTS	0	0	0	0	0	0	0
ESCALATION FIXED ANNUAL RATE	0	0	0	0	0	0	0

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		ESCALATION FIXED SEASONAL RATE											
		ESCALATION FIXED SEASONAL RATE											
		ESCALATION VARIABLE COSTS											
		IMMATURE FORCED OUTAGE RATE											
		IMMATURE PERIOD											
		Maturity Year											
		Purchase Unit Flag											
		Reserve of Total Unit											
		Reserve of Upper Segment											
		Resource Type											
		Retirement Month											
		Retirement Year											
		Source Index Number											
		Thermal Unit Type											
THERMAL UNIT		994	995	996	997	998	999						
AIR BASIN POINTER		DUMMY_OP	DUMMY_OP	T4_THROWA	RP2TR_KP	RP2TR_TM	DUMMY_OP						
BID PRICE ACCOUNTING FLAG		994	995	996	997	998	999						
BID PRICE OPTION		994	995	996	997	998	999						
COMMISSION MONTH													
COMMISSION YEAR													
DEFERRAL PRIORITY													
DISPATCH LAMBDA OPTION													
EFFICIENT HEAT RATE OPTION													
ESCALATION ANGLIARY REVENUE													
ESCALATION BID PRICE AT INCREMEN													
ESCALATION BID PRICE AT MINIMUM													
ESCALATION CAPACITY REVENUE													
ESCALATION CAPITAL COSTS													
ESCALATION FIXED ANNUAL RATE													
ESCALATION FIXED COSTS													
ESCALATION FIXED SEASONAL RATE													
ESCALATION VARIABLE COSTS													
IMMATURE FORCED OUTAGE RATE													
IMMATURE PERIOD													
Maturity Year													
Purchase Unit Flag													
Reserve of Total Unit													
Reserve of Upper Segment													
Resource Type													
Retirement Month													
Retirement Year													
Source Index Number													
Thermal Unit Type													
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		0	0	0	0	0	0	0	0	0	0	0	0
		2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015
		0	0	0	0	0	0	0	0	0	0	0	0
		100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
		C	C	C	C	C	C	C	C	C	C	C	C
		12	12	12	12	12	12	12	12	12	12	12	12
		2015	2015	2017	2019	2019	2013	2013	2015	2015	2015	2015	2015
		0	0	0	0	0	0	0	0	0	0	0	0
VARO&M		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXO&M		0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0
		2014	2014	2014	2014	2014	2014	2014	2014	2014	2014	2014	2013
		0	0	0	0	0	0	0	0	0	0	0	0
		100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
		C	C	C	C	C	C	C	C	C	C	C	C
		12	12	12	12	12	12	12	12	12	12	12	12
		2015	2015	2017	2019	2019	2013	2013	2015	2015	2015	2015	2013
		0	0	0	0	0	0	0	0	0	0	0	0

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT
QUALIFIER = GAF.INPUT.THERMAL UNIT.

SEGMENT EMISSIONS LIBRARY	1	2	3	4	5	6	7
EMISSIONS DATA METHOD	AMOS1_11	AMOS2_11	AMOS3_11	BRCK_11	BIG_1_11	BIG_2_11	BIG_2_11
1	1	1	1	1	1	1	1
SEGMENT EMISSIONS LIBRARY	8	9	10	11	12	13	14
EMISSIONS DATA METHOD	CARD1_11	CARD2_11	CARD3_11	CLNR1_11	CLNR2_11	CLNR3_11	CSV13_11
1	1	1	1	1	1	1	1
SEGMENT EMISSIONS LIBRARY	15	16	17	18	19	20	21
EMISSIONS DATA METHOD	CSV14_11	CSV15_11	CSV16_11	GAV1_11	GAV2_11	GLN5_11	GLN6_11
1	1	1	1	1	1	1	1
SEGMENT EMISSIONS LIBRARY	22	23	24	25	26	27	28
EMISSIONS DATA METHOD	KMR1_11	KMR2_11	KMR3_11	KRW1_11	KRW2_11	SP3_SNCR	MTN_18%
1	1	1	1	1	1	1	1
SEGMENT EMISSIONS LIBRARY	29	30	31	32	33	34	35
EMISSIONS DATA METHOD	MTN_90%	MTC1_11	MTC2_11	MNTR_11	MTRR_1	MR1_11	MR2_11
1	1	1	1	1	1	1	1
SEGMENT EMISSIONS LIBRARY	36	37	38	39	40	41	42
EMISSIONS DATA METHOD	MR3_11	MR4_11	MR5_11	SPRN1_11	SPRN2_11	SPRN3_11	SPRN4_11
1	1	1	1	1	1	1	1
SEGMENT EMISSIONS LIBRARY	43	44	45	46	47	48	49
EMISSIONS DATA METHOD	SPRN5_11	RCWY_11	ROCK1_11	ROCK2_11	TNRC1_11	TNRC2_11	TNRC3_11
1	1	1	1	1	1	1	1
SEGMENT EMISSIONS LIBRARY	50	51	52	53	54	55	56
EMISSIONS DATA METHOD	BS2_FGD	TNRC4_11	CD3_11	AM1_FGD	AM2_FGD	AM3_FGD	BS1_SNCR
1	1	1	1	1	1	1	1
SEGMENT EMISSIONS LIBRARY	57	58	59	60	61	62	63
EMISSIONS DATA METHOD	BS2_FGD	CSV4_FGD	SP4_SNCR	CSV5_SCR	CSV6_SCR	GAV1_CCS	GAV2_FUP
1	1	1	1	1	1	1	1
SEGMENT EMISSIONS LIBRARY	64	65	66	67	68	69	70
EMISSIONS DATA METHOD	GAV2_FUP	MRS_FGD	RPL_FGSC	RP2_FGSC	TC1_SNCR	TC2_SNCR	TC3_SNCR
1	1	1	1	1	1	1	1

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT
QUALIFIER = GAF.INPUT.THERMAL UNIT.

SEGMENT HEAT RATE LIBRARY	AMS_ID	1	AMS_2D	2	AMOS_3	3	BECK_6	4	BIGS_1	5	BIGS_2	6	CARD_1	7
HEAT RATE METHOD		3		3		2		3		3		3		3
SEGMENT HEAT RATE LIBRARY	CARD_2	8	CARD_3	9	CLIF_1	10	CLIF_2	11	CLIF_3	12	CLIF_4	13	CLIF_5	14
HEAT RATE METHOD		3		3		3		3		3		3		3
SEGMENT HEAT RATE LIBRARY	CLIF_6	15	CLIN_1	16	CLIN_2	17	CLIN_3	18	GAV2_11	19	AM3_AP	20	CSVL_3	21
HEAT RATE METHOD		3		3		3		3		3		2		3
SEGMENT HEAT RATE LIBRARY	CSVL_4	22	CSVL_5	23	CSVL_6	24	COOK_1	25	COOK_2	26	GAVT_1	27	GAVT_2	28
HEAT RATE METHOD		3		3		3		1		1		3		3
SEGMENT HEAT RATE LIBRARY	GLEN_5	29	GLEN_6	30	IGCC_1	31	NUCLEAR	32	KAMM_1	33	KAMM_2	34	KAMM_3	35
HEAT RATE METHOD		3		3		3		2		3		3		3
SEGMENT HEAT RATE LIBRARY	KANA_1	36	KANA_2	37	KYGE_1	38	KYGE_2	39	KYGE_3	40	KYGE_4	41	KYGE_5	42
HEAT RATE METHOD		3		3		3		3		3		3		3
SEGMENT HEAT RATE LIBRARY	MITC_1	43	MITC_2	44	MODN_1	45	MUSK_1	46	MUSK_2	47	MUSK_3	48	MUSK_4	49
HEAT RATE METHOD		3		3		3		3		3		3		3
SEGMENT HEAT RATE LIBRARY	MUSK_5	50	PSPN_1	51	PSPN_2	52	PSPN_3	53	PSPN_4	54	PSPN_5	55	PTCW_5	56
HEAT RATE METHOD		3		3		3		3		3		3		3
SEGMENT HEAT RATE LIBRARY	ROCK_1IM	58	ROCK_2IM	59	MRS_SI	60	STVA_1	61	STVA_2	62	STVA_3	63	STVA_4	64
HEAT RATE METHOD		2		2		3		3		3		3		3
SEGMENT HEAT RATE LIBRARY	TANN_1	65	TANN_1	66	TANN_2	67	TANN_3	68	TANN_4	69	ZTMM_1	70	AM1SI	71
HEAT RATE METHOD		3		3		3		3		3		3		3
SEGMENT HEAT RATE LIBRARY	BS2SI	72	TN4SI	73	ST1SI	74	ST2SI	75	ST3SI	76	ST4SI	77	MTRSI	78
HEAT RATE METHOD		3		3		3		3		3		3		3
SEGMENT HEAT RATE LIBRARY	RK1BIO	79	RK2BIO_L	80	IGCC_CCS	81	RK2BIO_F	82	PC_CCS	83	KM8_2_1	84	KM8_2_2	85
HEAT RATE METHOD		3		3		2		3		3		1		1
SEGMENT HEAT RATE LIBRARY	KM8_2_3	86	CL1_P	87	CL2_P	88	CL3_P	89	Tan4_Q	90	CERED01	91	CERED02	92
HEAT RATE METHOD		1		3		3		3		3		3		3
SEGMENT HEAT RATE LIBRARY	CERED03	93	CERED04	94	CERED05	95	CERED06	96	RK1_CF	97	RK2_CF	98	TCL_SNCR	99
HEAT RATE METHOD		3		3		3		3		3		3		3
SEGMENT HEAT RATE LIBRARY	TC2_SNCR	100	TC3_SNCR	101	USCPC	102	PC_R_CCS	103	PC_N_CCS	104		105	IGCC	106
HEAT RATE METHOD		3		3		2		2		2		3		2
SEGMENT HEAT RATE LIBRARY	IGC_RCCS	107	IGC_NCCS	108	MRS_SI	109	MRS_CF	110	SP_3SNCR	111	SP_4SNCR	112	CARD1_3	115
HEAT RATE METHOD		2		2		3		3		3		3		3
SEGMENT HEAT RATE LIBRARY	MITC1_2	116	MITC2_4	117	MOUN1_6	118	IMBG_CC	122	KRREPOW1	123	KRREPOW2	124	KRREPOW3	125
HEAT RATE METHOD		2		2		3		3		3		3		3

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HEAT RATE METHOD	3	3	3	1	3	3	3	3
SEGMENT HEAT RATE LIBRARY	126	127	128	129	130	131	132	
HEAT RATE METHOD	1	2	2	2	1	2	3	
SEGMENT HEAT RATE LIBRARY	E_PC_S0B	P_LAMWN	E_PC_S0P	2x1GE7FA	1x1GE7H	2x2GE7H	BS1_P	
HEAT RATE METHOD	2	2	2	2	2	2	3	
SEGMENT HEAT RATE LIBRARY	BS1CCADJ	AM3SI	BS2_D	CD3_D	CD2_D	TN4_FGD	M01_D	
HEAT RATE METHOD	2	3	3	3	3	3	3	
SEGMENT HEAT RATE LIBRARY	M02_D	MN1_10	MRS_D	RP1_F	RP2_F	ST1_D	ST2_D	
HEAT RATE METHOD	3	3	3	3	3	3	3	
SEGMENT HEAT RATE LIBRARY	ST3_D	ST4_D	BS2SI	KN1_A	KN2_A	MONESU20	MONESUMR	
HEAT RATE METHOD	3	3	3	3	3	3	3	
SEGMENT HEAT RATE LIBRARY	MONEM120	MONEMINT	ROCK1_10	ROCK2_11	ROCK1_D	ROCK2_D	AM3_CF	
HEAT RATE METHOD	3	3	3	3	2	2	3	
SEGMENT HEAT RATE LIBRARY	RK1_SI	RK2_SI	AM3_90%	MTN_90%	RP1_90%	RP2_90%	GVID_90%	
HEAT RATE METHOD	3	3	3	3	3	3	3	
SEGMENT HEAT RATE LIBRARY	GYZ_90%	MTN_1.2%	MTN_18%	BSCCSMR	BSCCWIN	CR1_NGCC	CR2_NGCC	
HEAT RATE METHOD	3	3	3	2	2	3	3	
SEGMENT HEAT RATE LIBRARY	MRS_NGCC							
HEAT RATE METHOD	3							

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT	AMOS 1	AMOS 2	AMOS_OP 3	BECKJORD 4	BIG SAND 5	BIG SAND 6	CARD 1+2 7
----- YEAR 2011 -----							
ANCILLARY REVENUE RATE							
AVERAGE HEAT RATE AT MAXIMUM	\$/MMH 0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MINIMUM	MBTU/MMH 0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG HEAT RATE MAXIMUM SEASONAL P	0	0	0	0	0	0	0
AVG HEAT RATE MINIMUM SEASONAL P	0	0	0	0	0	0	0
BID PRICE AT INCREMENTAL	\$/MMH 0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM	\$/MMH 0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR	% 0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR	% 0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL P	0	0	0	0	0	0	0
BID PRICE MINIMUM SEASONAL POINT	0	0	0	0	0	0	0
CAPACITY REVENUE PROFILE	\$/KW 0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY REVENUE RATE	\$/KW 0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY SEGMENT PROFILE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPITAL COSTS	\$000 0.00	0.00	0.00	0.00	0.00	0.00	0.00
DERATION LIBRARY POINTER	1	2	3	4	5	6	7
DISPATCH PENALTY AT MAXIMUM	1.00	1.00	1.00	1.00	1.00	1.00	1.00
DISPATCH PENALTY AT MINIMUM	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ENERGY MARGIN CAPACITY FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED ANNUAL CAPACITY RATE	\$/KW/YR 5009.72	-2953.73	15815.54	579.44	2157.69	31369.00	8767.37
FIXED SEASONAL CAPACITY RATE	\$/KW/SBA 0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL RATE PROFIT	1	2	3	4	5	6	7
HEAT RATE PROFIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAINTENANCE REQUIREMENT	1	1	1	1	1	1	1
MAINTENANCE SEASONAL METHOD	1	1	1	1	1	1	1
MAINTENANCE SEASONAL POINT	1	1	1	1	1	1	1
MATURE FORCED OUTAGE RATE	5.84	7.49	4.76	4.59	7.39	7.50	10.25
MATURE OUTAGE RATE SEASONAL PROF	% 0.00	0.26	0	0	0	0	0.248
MAXIMUM CAPACITY	MM 790.00	790.00	858.00	53.00	278.00	800.00	595.00
MINIMUM CAPACITY	MM 350.00	350.00	462.00	20.00	100.00	500.00	325.00
MUST RUN INDICATOR	1	1	1	1	0	0	1
PARTIAL OUTAGE RATE	% 0.00	0.00	0.00	0.00	0.00	0.00	0.00
PARTIAL OUTAGE RATE SEASONAL PROF	% 94.16	92.51	95.24	95.41	92.61	92.50	89.75
RENEWABLE ENERGY CREDIT	RATIO 0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEASONAL VARIABLE COST PROFIT	\$/MMH 1.84	1.84	1.84	2.98	1.34	0.97	2.21
----- YEAR 2012 -----							
FIXED COSTS	\$000/YR 7647.04	12844.91	12196.69	849.65	3310.20	21595.00	4231.07
MATURE OUTAGE RATE SEASONAL PROF	% 0	0	0	0	0	0	0
PERCENT FIRM	93.25	92.79	95.42	95.97	92.72	94.00	85.48
----- YEAR 2013 -----							
FIXED COSTS	\$000/YR 17002.88	12257.52	21432.37	931.76	4028.55	30281.00	-1078.63
PERCENT FIRM	94.89	93.55	95.45	96.10	92.36	93.00	83.26
----- YEAR 2014 -----							
FIXED COSTS	\$000/YR 10251.86	17303.69	19567.19	2891.79	9587.05	30317.00	6290.73
PERCENT FIRM	94.89	93.55	95.45	96.10	92.36	94.50	83.26
----- YEAR 2015 -----							
FIXED COSTS	\$000/YR 22825.56	25468.03	26103.08	0.00	43906.56	171715.00	9989.05
PERCENT FIRM	94.89	93.55	95.45	0.00	92.36	94.00	83.26
----- YEAR 2016 -----							
FIXED COSTS	\$000/YR 34622.92	27299.03	33387.89	0.00	0.00	0.00	16484.25
PERCENT FIRM	94.89	93.55	95.45	0.00	0.00	0.00	83.26
----- YEAR 2017 -----							
FIXED COSTS	\$000/YR 32931.94	29688.28	40702.05	0.00	0.00	0.00	23447.12
----- YEAR 2018 -----							
FIXED COSTS	\$000/YR 29150.14	26876.46	38264.98	0.00	0.00	0.00	21804.57
----- YEAR 2019 -----							
FIXED COSTS	\$000/YR 28956.36	37974.04	41682.87	0.00	0.00	0.00	20914.02
----- YEAR 2020 -----							
FIXED COSTS	\$000/YR 37041.15	30832.86	37986.84	0.00	0.00	0.00	30062.17
----- YEAR 2021 -----							
FIXED COSTS	\$000/YR 36319.89	37324.88	43775.85	0.00	0.00	0.00	117457.37
----- YEAR 2022 -----							
FIXED COSTS	\$000/YR 36526.60	38389.57	45880.61	0.00	0.00	0.00	62292.65
----- YEAR 2023 -----							
FIXED COSTS	\$000/YR 37453.33	41625.83	47328.14	0.00	0.00	0.00	74140.11
----- YEAR 2024 -----							
FIXED COSTS	\$000/YR 41581.46	43405.13	49873.90	0.00	0.00	0.00	91532.98
----- YEAR 2025 -----							
FIXED COSTS	\$000/YR 41785.27	44832.35	11659.01	0.00	0.00	0.00	80025.04
----- YEAR 2026 -----							

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FIXED COSTS		\$000/YR	44521.11	47694.77	12781.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86701.22
-----	YEAR 2027	-----														
FIXED COSTS		\$000/YR	44557.09	50028.09	20250.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91610.57
-----	YEAR 2028	-----														
FIXED COSTS		\$000/YR	46044.63	53971.09	21291.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93799.21
-----	YEAR 2029	-----														
FIXED COSTS		\$000/YR	50518.55	55120.95	22774.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95835.16
-----	YEAR 2030	-----														
FIXED COSTS		\$000/YR	46689.95	57290.29	17458.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	101129.12
-----	YEAR 2031	-----														
FIXED COSTS		\$000/YR	48793.35	57349.18	14658.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99221.07
-----	YEAR 2032	-----														
FIXED COSTS		\$000/YR	47148.31	55336.30	21706.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	104423.40
-----	YEAR 2033	-----														
FIXED COSTS		\$000/YR	45519.42	57480.48	17021.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	104332.77
-----	YEAR 2034	-----														
FIXED COSTS		\$000/YR	46378.75	52729.99	15062.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107000.86
-----	YEAR 2035	-----														
FIXED COSTS		\$000/YR	39685.50	50490.45	5479.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	101648.39
-----	YEAR 2036	-----														
FIXED COSTS		\$000/YR	33709.79	51696.37	272.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99123.01
-----	YEAR 2037	-----														
FIXED COSTS		\$000/YR	33128.16	52914.62	8997.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97836.10
-----	YEAR 2038	-----														
FIXED COSTS		\$000/YR	33601.97	52821.13	1271.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	102908.71
-----	YEAR 2039	-----														
FIXED COSTS		\$000/YR	35472.83	53882.12	8536.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	105569.01
-----	YEAR 2040	-----														
FIXED COSTS		\$000/YR	257312.59	366185.16	254527.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	359746.94
-----	YEAR 2011	-----														
-----	YEAR 2011	-----														
ANCILLARY REVENUE RATE		\$/MMH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MAXIMUM		MBTU/MMH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MINIMUM		MBTU/MMH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG HEAT RATE MAXIMUM SEASONAL P		\$/MMH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVG HEAT RATE MINIMUM SEASONAL P		\$/MMH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BID PRICE AT INCREMENTAL		\$/MMH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM		\$/MMH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR		%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR		%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL P		%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BID PRICE MINIMUM SEASONAL POINT		%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAPACITY REVENUE PROFILE		\$/KW	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAPACITY REVENUE RATE		\$/KW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		QUALIFIER = GAF.INPUT.THERMAL UNIT.													
----- YEAR 2011 -----		----- YEAR 2012 -----													
CAPACITY SEGMENT PROFILE		CARD 1+2	CARD 3	CLIFFY 1	CLIFFY 2	CLIFFY 3	CLIFFY 4	CLIFFY 5	CARD 1+2	CARD 3	CLIFFY 1	CLIFFY 2	CLIFFY 3	CLIFFY 4	CLIFFY 5
CAPITAL COSTS	\$000	130	9	10	11	12	13	14	130	76	10	11	12	13	14
DERATION LIBRARY POINTER		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-7188.45	0.00	0.00	0.00	0.00	0.00
DISPATCH PENALTY AT MAXIMUM		8	9	10	11	12	13	14	8	145	10	11	12	13	14
DISPATCH PENALTY AT MINIMUM		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	325.00	37.00	37.00	37.00	37.00	37.00
ENERGY MARGIN CAPACITY FACTOR		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0	0	0	0	0
FIXED ANNUAL CAPACITY RATE	\$/RM/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	\$/RM/YR	-8578.68	-865.15	0.00	0.00	0.00	0.00	0.00	0.00	82.49	93.11	92.77	93.96	94.38	94.98
FIXED SEASONAL CAPACITY RATE	\$/RM/SEA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HEAT RATE PROFILE	WKS/YEAR	0	0	0	0	0	0	0	0	8	10	11	12	13	14
MAINTENANCE REQUIREMENT		8	9	10	11	12	13	14	8	10	11	12	13	14	14
MAINTENANCE SEASONAL METHOD		1	1	1	1	1	1	1	1	1	1	1	1	1	1
MAINTENANCE SEASONAL POINTER		0	0	0	0	0	0	0	0	0	0	0	0	0	0
NATURE OUTAGE RATE SEASONAL PROF		0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM CAPACITY	MM	595.00	630.00	87.00	87.00	87.00	87.00	87.00	595.00	37.00	37.00	37.00	37.00	37.00	37.00
MINIMUM CAPACITY	MM	325.00	325.00	37.00	37.00	37.00	37.00	37.00	325.00	1	0	0	0	0	0
MUST RUN INDICATOR		1	1	0	0	0	0	0	1	0	0	0	0	0	0
PARTIAL OUTAGE RATE	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PARTIAL OUTAGE RATE SEASONAL PRO	%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT FIRM	%	93.79	82.49	93.11	92.77	93.96	94.38	94.98	93.79	0.00	0.00	0.00	0.00	0.00	0.00
RENEWABLE ENERGY CREDIT	RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.21	2.21	2.21	2.21	2.21	2.21
SEASONAL VARIABLE COST PROFILE	\$/MWH	0	0	0	0	0	0	0	0	2.21	2.21	2.21	2.21	2.21	2.21
VARIABLE O AND M COSTS	\$/MWH	2.21	2.21	0.00	0.00	0.00	0.00	0.00	2.21	2.21	0.00	0.00	0.00	0.00	0.00
----- YEAR 2012 -----		----- YEAR 2013 -----													
CAPACITY SEGMENT PROFILE		130	76	10	11	12	13	14	130	76	10	11	12	13	14
FIXED COSTS	\$000/YR	-6165.73	-7188.45	0.00	0.00	0.00	0.00	0.00	-6165.73	-7188.45	0.00	0.00	0.00	0.00	0.00
HEAT RATE PROFILE		8	145	10	11	12	13	14	8	145	10	11	12	13	14
MAXIMUM CAPACITY	MM	595.00	620.00	87.00	87.00	87.00	87.00	87.00	595.00	620.00	87.00	87.00	87.00	87.00	87.00
PERCENT FIRM	%	94.01	88.71	93.11	92.77	93.96	94.39	94.98	94.01	88.71	93.11	92.77	93.96	94.39	94.98
FIXED COSTS	\$000/YR	-4599.09	-3529.31	0.00	0.00	0.00	0.00	0.00	-4599.09	-3529.31	0.00	0.00	0.00	0.00	0.00
PERCENT FIRM	%	93.46	91.23	93.11	92.77	93.96	94.39	94.98	93.46	91.23	93.11	92.77	93.96	94.39	94.98
----- YEAR 2013 -----		----- YEAR 2014 -----													
FIXED COSTS	\$000/YR	-8817.18	-4421.98	0.00	0.00	0.00	0.00	0.00	-8817.18	-4421.98	0.00	0.00	0.00	0.00	0.00
----- YEAR 2014 -----		----- YEAR 2015 -----													
FIXED COSTS	\$000/YR	-6363.41	-6141.78	0.00	0.00	0.00	0.00	0.00	-6363.41	-6141.78	0.00	0.00	0.00	0.00	0.00
----- YEAR 2015 -----		----- YEAR 2016 -----													
FIXED COSTS	\$000/YR	-2664.25	-2264.24	0.00	0.00	0.00	0.00	0.00	-2664.25	-2264.24	0.00	0.00	0.00	0.00	0.00
----- YEAR 2016 -----		----- YEAR 2017 -----													
FIXED COSTS	\$000/YR	-8019.48	-3174.45	0.00	0.00	0.00	0.00	0.00	-8019.48	-3174.45	0.00	0.00	0.00	0.00	0.00
----- YEAR 2017 -----		----- YEAR 2018 -----													
FIXED COSTS	\$000/YR	-5397.14	-5312.55	0.00	0.00	0.00	0.00	0.00	-5397.14	-5312.55	0.00	0.00	0.00	0.00	0.00
----- YEAR 2018 -----		----- YEAR 2019 -----													
FIXED COSTS	\$000/YR	-1890.83	287.10	0.00	0.00	0.00	0.00	0.00	-1890.83	287.10	0.00	0.00	0.00	0.00	0.00
----- YEAR 2019 -----		----- YEAR 2020 -----													
FIXED COSTS	\$000/YR	-7643.36	-2310.66	0.00	0.00	0.00	0.00	0.00	-7643.36	-2310.66	0.00	0.00	0.00	0.00	0.00
----- YEAR 2020 -----		----- YEAR 2021 -----													
FIXED COSTS	\$000/YR	56555.04	60594.20	0.00	0.00	0.00	0.00	0.00	56555.04	60594.20	0.00	0.00	0.00	0.00	0.00
----- YEAR 2021 -----		----- YEAR 2022 -----													
FIXED COSTS	\$000/YR	18195.68	18580.21	0.00	0.00	0.00	0.00	0.00	18195.68	18580.21	0.00	0.00	0.00	0.00	0.00
----- YEAR 2022 -----		----- YEAR 2023 -----													
FIXED COSTS	\$000/YR	22459.94	25732.19	0.00	0.00	0.00	0.00	0.00	22459.94	25732.19	0.00	0.00	0.00	0.00	0.00
----- YEAR 2023 -----		----- YEAR 2024 -----													
FIXED COSTS	\$000/YR	34030.27	39058.11	0.00	0.00	0.00	0.00	0.00	34030.27	39058.11	0.00	0.00	0.00	0.00	0.00
----- YEAR 2024 -----		----- YEAR 2025 -----													
FIXED COSTS	\$000/YR	27965.17	29470.36	0.00	0.00	0.00	0.00	0.00	27965.17	29470.36	0.00	0.00	0.00	0.00	0.00
----- YEAR 2025 -----		----- YEAR 2026 -----													
FIXED COSTS	\$000/YR	63031.98	67937.72	0.00	0.00	0.00	0.00	0.00	63031.98	67937.72	0.00	0.00	0.00	0.00	0.00
----- YEAR 2026 -----		----- YEAR 2027 -----													
PERCENT FIRM	%	0.00	0.00	93.11	92.77	93.96	94.39	94.98	0.00	0.00	93.11	92.77	93.96	94.39	94.98
----- YEAR 2027 -----		----- YEAR 2028 -----													
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
----- YEAR 2028 -----		----- YEAR 2029 -----													
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
----- YEAR 2029 -----		----- YEAR 2030 -----													
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
----- YEAR 2030 -----		----- YEAR 2031 -----													
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
----- YEAR 2031 -----		----- YEAR 2032 -----													
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
----- YEAR 2032 -----		----- YEAR 2033 -----													
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040	THEIRML UNIT
-----	YEAR 2011							
ANCILLARY REVENUE RATE								
AVG HEAT RATE MAXIMUM SEASONAL P	\$/MMH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT INCREMENTAL	\$/MMH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM	\$/MMH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL P		0	0	0	0	0	0	0
BID PRICE MINIMUM SEASONAL POINT		0	0	0	0	0	0	0
CAPACITY REVENUE PROFILE	\$/KW	0	0	0	0	0	0	0
CAPACITY REVENUE RATE	\$/KW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY SEGMENT PROFILE	\$/000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPITAL COSTS	\$/000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DERATION LIBRARY POINTER		15	16	17	18	19	20	21
DISPATCH PENALTY AT MAXIMUM	FRACCTION	1.00	1.00	1.00	1.00	1.00	1.00	1.00
DISPATCH PENALTY AT MINIMUM	\$/KW/YR	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ENERGY MARGIN CAPACITY FACTOR	\$/000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED ANNUAL CAPACITY RATE	\$/KW/SEA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS		5368.07	2450.71	4149.57	4490.00	808.00	-504.54	0.00
FIXED SEASONAL CAPACITY RATE	\$/KW/SEA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HEAT RATE PROFILE	WKS/YEAR	15	16	17	18	0	0	21
MAINTENANCE REQUIREMENT		0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAINTENANCE SEASONAL METHOD		1	1	1	1	1	1	1
MAINTENANCE SEASONAL POINTER		0	0	0	0	0	0	0
NATURE OUTAGE RATE SEASONAL PROF	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAXIMUM CAPACITY	MW	87.00	235.00	235.00	235.00	195.00	195.00	165.00
MINIMUM CAPACITY	MW	23.00	60.00	60.00	60.00	195.00	195.00	40.00
MUST RUN INDICATOR	%	0	0	0	0	0	0	1
PARTIAL OUTAGE RATE SEASONAL PRO	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PERCENT FIRM	%	94.64	83.77	84.02	89.69	93.26	93.69	0.00
RENEWABLE ENERGY CREDIT	RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEASONAL VARIABLE COST PROFILE	\$/MMH	0	2.38	2.38	2.38	0.99	0.69	2.24
VARIABLE O AND M COSTS		0.00	2.38	2.38	2.38	0.99	0.69	2.24
-----	YEAR 2012							
FIXED COSTS	\$/000/YR	0.00	2502.41	6541.13	4470.74	2844.00	3006.00	114.83

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

4-Company East Optimization

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THEMAL UNIT	15	16	17	18	19	20	21
	CLIFFY 6	CLINCH R 1	CLINCH R 2	CLINCH R 3	ROCKP_KP 1	ROCKP_KP 2	CSVL 1-4 3
PERCENT FIRM	94.64	82.83	83.43	85.83	93.08	93.23	0.00
YEAR 2012							
FIXED COSTS	\$000/YR	2429.40	2578.37	7910.60	3666.00	1548.00	0.00
PERCENT FIRM	%	94.64	81.38	83.00	83.25	93.23	92.76
YEAR 2013							
FIXED COSTS	\$000/YR	0.00	5692.62	2427.14	3662.39	3422.00	3215.00
PERCENT FIRM	%	0.00	1953.01	4781.58	3768.79	6260.00	2123.00
YEAR 2014							
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	0.00
PERCENT FIRM	%	94.64	0.00	0.00	0.00	0.00	0.00
YEAR 2015							
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	0.00
PERCENT FIRM	%	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2016							
FIXED COSTS	\$000/YR	0.00	8957.52	43740.34	17632.00	0.00	3475.00
PERCENT FIRM	%	0.00	0.00	0.00	0.00	0.00	92.76
YEAR 2017							
DEPARTION LIBRARY POINTER		15	16	17	18	59	59
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	3287.00
PERCENT FIRM	%	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2018							
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	0.00
PERCENT FIRM	%	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2019							
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	0.00
PERCENT FIRM	%	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2020							
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	0.00
PERCENT FIRM	%	94.64	0.00	0.00	0.00	0.00	0.00
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
MUST RUN INDICATOR	0	0	0	0	0	0	0
YEAR 2038							
YEAR 2039							
YEAR 2040							
THEMAL UNIT							
YEAR 2011							
ANCILLARY REVENUE RATE	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
AVG HEAT RATE MAXIMUM SEASONAL P		0	0	0	0	0	0
AVG HEAT RATE MINIMUM SEASONAL P		0	0	0	0	0	0
BID PRICE AT INCREMENTAL	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR	%	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR	%	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL P		0	0	0	0	0	0
BID PRICE MINIMUM SEASONAL POINT		0	0	0	0	0	0
CAPACITY REVENUE PROFILE	\$/KW	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY REVENUE RATE		0.00	0.00	0.00	0.00	0.00	0.00

CSVL 1-4 22 23 24 25 26 27 28
4 5 6 1 2 1 2

CAPACITY SEGMENT PROFILE																						
CAPITAL COSTS	\$000	22	23	24	25	92	27	28														
DERATION LIBRARY POINTER		0.00	0.00	0.00	0.00	0.00	0.00	0.00														
DISPATCH PENALTY AT MAXIMUM		22	23	24	25	107	27	28														
DISPATCH PENALTY AT MINIMUM		1.00	1.00	1.00	1.00	1.00	1.00	1.00														
ENERGY MARGIN CAPACITY FACTOR		1.00	1.00	1.00	1.00	1.00	1.00	1.00														
FIXED ANNUAL CAPACITY RATE	\$/MW/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00														
FIXED COSTS	\$000/YR	6062.75	6519.00	4703.00	94385.42	88582.12	8764.71	17493.44														
FIXED SEASONAL CAPACITY RATE	\$/KW/SEA	0.00	0.00	0.00	0.00	0.00	0.00	0.00														
HEAT RATE PROFILE		22	23	24	25	0	27	28														
HEAT RATE REQUIREMENT	WKS/YEAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00														
MAINTENANCE SEASONAL METHOD		1	1	1	1	1	1	1														
MAINTENANCE SEASONAL POINTER		0	0	0	0	0	0	0														
MATURE OUTAGE RATE SEASONAL PROF		0	0	0	0	0	0	0														
MAXIMUM CAPACITY	MW	337.00	400.00	400.00	1084.00	1107.00	1320.00	1320.00														
MINIMUM CAPACITY	MW	141.00	130.00	130.00	1082.00	1105.00	900.00	950.00														
MOST RUN INDICATOR		1	1	1	1	1	1	1														
PARTIAL OUTAGE RATE	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00														
PARTIAL OUTAGE RATE SEASONAL PRO	%	0	0	0	0	0	0	0														
PERCENT ETRM	%	94.07	95.05	92.31	100.00	100.00	94.10	95.60														
RENEWABLE ENERGY CREDIT	RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00														
SEASONAL VARIABLE COST PROFILE	\$/MMH	2.24	2.24	2.24	4.69	4.69	0.98	0.98														
VARIABLE O AND M COSTS																						
----- YEAR 2012 -----																						
FIXED COSTS	\$000/YR	17379.32	19856.00	9303.00	101139.20	103767.67	15440.11	12326.42														
HEAT RATE PROFILE		22	23	24	25	0	27	28														
PERCENT FIRM	%	95.61	95.05	91.57	100.00	100.00	93.18	94.91														
----- YEAR 2013 -----																						
DERATION LIBRARY POINTER																						
FIXED COSTS	\$000/YR	11037.77	9843.00	19603.00	117673.31	117025.41	14326.69	22931.10														
PERCENT FIRM	%	96.13	95.05	91.57	100.00	100.00	92.26	94.95														
----- YEAR 2014 -----																						
DERATION LIBRARY POINTER																						
FIXED COSTS	\$000/YR	11338.75	11524.00	12194.00	130557.72	125665.18	34782.15	25911.62														
PERCENT FIRM	%	96.90	96.11	95.09	100.00	100.00	92.26	94.95														
----- YEAR 2015 -----																						
FIXED COSTS	\$000/YR	20413.85	24243.00	15054.00	139847.36	143129.27	30441.83	48671.82														
PERCENT FIRM	%	97.16	95.76	94.68	100.00	100.00	92.26	94.95														
----- YEAR 2016 -----																						
FIXED COSTS	\$000/YR	21443.51	23147.00	34508.00	157399.56	156668.94	54365.89	41293.61														
PERCENT FIRM	%	97.42	96.11	95.50	100.00	100.00	92.26	94.95														
----- YEAR 2017 -----																						
FIXED COSTS	\$000/YR	21487.24	27588.00	27065.00	171559.28	166668.16	45707.44	62263.37														
PERCENT FIRM	%	97.16	95.76	95.91	100.00	100.00	92.26	94.95														
----- YEAR 2018 -----																						
FIXED COSTS	\$000/YR	35510.53	43594.00	35114.00	181841.05	185885.00	54842.56	49194.93														

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

QUALIFIER = GAF.INPUT.THERMAL UNIT.

PERCENT FIRM	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
PERCENT FIRM	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
FIXED COSTS	30348.22	349497.00	375849.00	202032.41	201680.08	49729.78																	
PERCENT FIRM	97.16	96.11	95.50	100.00	100.00	92.26																	
FIXED COSTS	29112.49	0.00	0.00	215596.77	210701.50	57120.38	69019.08																
FIXED COSTS	31348.53	0.00	0.00	225172.30	230030.53	59254.23	70807.57																
FIXED COSTS	33901.05	0.00	0.00	244482.31	244548.12	62912.33	74473.06																
FIXED COSTS	38283.74	0.00	0.00	260279.31	254030.77	1975.62	80671.25																
FIXED COSTS	38512.50	0.00	0.00	268485.34	274205.44	10272.09	82696.28																
FIXED COSTS	40745.07	0.00	0.00	289181.19	289698.94	5499.72	92703.41																
FIXED COSTS	44073.09	0.00	0.00	304436.03	299489.50	13096.68	92387.73																
FIXED COSTS	45873.56	0.00	0.00	314489.69	321182.62	9780.18	98347.13																
FIXED COSTS	48301.57	0.00	0.00	336182.84	337069.75	19118.17	101773.12																
FIXED COSTS	51332.26	0.00	0.00	352363.44	347402.22	13957.95	108559.67																
FIXED COSTS	53125.39	0.00	0.00	362786.16	370470.50	22009.21	111423.61																
FIXED COSTS	54134.95	0.00	0.00	375509.59	376835.16	16807.61	117428.42																
FIXED COSTS	54641.44	0.00	0.00	379412.38	374030.50	23394.33	117896.07																
FIXED COSTS	54299.46	0.00	0.00	377499.22	385880.62	17259.00	119294.86																
FIXED COSTS	53824.80	0.00	0.00	388787.25	390062.84	21098.00	117682.14																
FIXED COSTS	53104.32	0.00	0.00	243432.50	311112.03	7295.00	119585.25																
FIXED COSTS	51762.32	0.00	0.00	313744.19	5614.73	110701.08																	
FIXED COSTS	53953.67	0.00	0.00	0.00	0.00	-649.82	111521.00																
FIXED COSTS	51994.77	0.00	0.00	0.00	0.00	6609.94	113416.47																
FIXED COSTS	52876.13	0.00	0.00	0.00	0.00	-2273.19	116537.11																
FIXED COSTS	359757.72	0.00	0.00	0.00	0.00	429776.09	670077.81																
FIXED COSTS		29	30	33	34	35	36	37															
FIXED COSTS		GLEN IYN	GLEN IYN	KAWMER	KAWMER	KAWMER	KANAWHA	KANAWHA															
FIXED COSTS		5	6	1	2	3	1	2															

YEAR 2011

ANCILLARY REVENUE RATE	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MAXIMUM	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MINIMUM	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG HEAT RATE MAXIMUM SEASONAL P	\$/MWH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVG HEAT RATE MINIMUM SEASONAL P	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT INCREMENTAL	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR	%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BID PRICE INCREMENTAL SEASONAL P	\$/MWH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BID PRICE MINIMUM SEASONAL POINT	\$/MWH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAPACITY REVENUE PROFILE	\$/KW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAPACITY SEGMENT RATE	\$/KW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPITAL COSTS	\$/KW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEBATION LIBRARY POTNTER		29	30	33	34	35	36	37														
DISPATCH PENALTY AT MAXIMUM																						
DISPATCH PENALTY AT MINIMUM																						

ENERGY MARGIN CAPACITY FACTOR	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED ANNUAL CAPACITY RATE	\$/KW/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	\$/000/YR	2141.95	2787.92	-2003.94	-1751.55	-390.47	2716.23	2358.20	0.00	0.00	0.00	0.00
FIXED SEASONAL CAPACITY RATE	\$/KW/SEA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL RATE PROFILE		0	0	0	0	0	0	0	0	0	0	0
HEAT RATE PROFILE	WKS/YEAR	29	30	33	34	35	36	37	0.00	0.00	0.00	0.00
MAINTENANCE REQUIREMENT		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAINTENANCE SEASONAL METHOD		1	1	1	1	1	1	1	1	1	1	1
MAINTENANCE SEASONAL POINTS		0	0	0	0	0	0	0	0	0	0	0
MATURE OUTAGE RATE SEASONAL PROF		0	0	0	0	0	0	0	0	0	0	0
MAXIMUM CAPACITY	KW	95.00	240.00	0	210.00	0	210.00	0	200.00	0	200.00	0
MINIMUM CAPACITY	KW	25.00	75.00	0	70.00	0	70.00	0	50.00	0	50.00	0
MUST RUN INDICATOR		0	0	0	1	1	0	0	0	0	0	0
PARTIAL OUTAGE RATE	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PARTIAL OUTAGE RATE SEASONAL PRO	%	0	0	0	0	0	0	0	0	0	0	0
PERCENT FIRM		70.30	68.50	93.93	93.93	93.57	87.58	88.82	0.00	0.00	0.00	0.00
RENEWABLE ENERGY CREDIT	RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEASONAL VARIABLE COST PROFILE	\$/MMH	3.69	3.69	3.00	3.00	3.00	3.22	3.22	0	0	0	0
VARIABLE O AND M COSTS		0	0	0	0	0	0	0	0	0	0	0
----- YEAR 2012 -----												
FIXED COSTS	\$/000/YR	3197.85	3801.28	-3673.11	-2480.97	-1248.74	268.49	-414.80				
PERCENT FIRM	%	65.80	65.80	94.35	94.35	94.01	88.02	89.11				
----- YEAR 2013 -----												
FIXED COSTS	\$/000/YR	2716.74	2538.20	-3601.48	-3242.58	2649.01	1609.32	1275.99				
PERCENT FIRM	%	61.30	63.10	93.86	93.87	93.50	87.36	86.31				
----- YEAR 2014 -----												
FIXED COSTS	\$/000/YR	460.27	195.80	3045.55	2978.62	4477.09	5507.67	442.43				
----- YEAR 2015 -----												
FIXED COSTS	\$/000/YR	2501.69	5483.80	0.00	0.00	0.00	0.00	0.00				
PERCENT FIRM	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
----- YEAR 2016 -----												
FIXED COSTS	\$/000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
PERCENT FIRM	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
----- YEAR 2017 -----												
FIXED COSTS	\$/000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
PERCENT FIRM	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
----- YEAR 2018 -----												
FIXED COSTS	\$/000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
PERCENT FIRM	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
----- YEAR 2019 -----												
FIXED COSTS	\$/000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
PERCENT FIRM	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
----- YEAR 2020 -----												
FIXED COSTS	\$/000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
PERCENT FIRM	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
----- YEAR 2021 -----												
FIXED COSTS	\$/000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
PERCENT FIRM	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
----- YEAR 2022 -----												
FIXED COSTS	\$/000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
PERCENT FIRM	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
----- YEAR 2023 -----												
FIXED COSTS	\$/000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
PERCENT FIRM	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
----- YEAR 2024 -----												
FIXED COSTS	\$/000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
PERCENT FIRM	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
----- YEAR 2025 -----												
FIXED COSTS	\$/000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
PERCENT FIRM	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
----- YEAR 2026 -----												
FIXED COSTS	\$/000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
PERCENT FIRM	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = CAP.INPUT.THERMAL UNIT.

THEMAL UNIT	29 GLEN LYN 5	30 GLEN LYN 6	33 KAWWER 1	34 KAWWER 2	35 KAWWER 3	36 KANAMHA 1	37 KANAMHA 2
YEAR 2027	0	0	0	0	0	0	0
YEAR 2028	0	0	0	0	0	0	0
YEAR 2029	0	0	0	0	0	0	0
YEAR 2030	0	0	0	0	0	0	0
YEAR 2031	0	0	0	0	0	0	0
YEAR 2032	0	0	0	0	0	0	0
YEAR 2033	0	0	0	0	0	0	0
YEAR 2034	0	0	0	0	0	0	0
YEAR 2035	0	0	0	0	0	0	0
YEAR 2036	0	0	0	0	0	0	0
YEAR 2037	0	0	0	0	0	0	0
MOST RUN INDICATOR	0	0	0	0	0	0	0
YEAR 2038	0	0	0	0	0	0	0
YEAR 2039	0	0	0	0	0	0	0
YEAR 2040	0	0	0	0	0	0	0
THEMAL UNIT	KYGER 1	KYGER 2	KYGER 3	KYGER 4	KYGER 5	MITCHELL 1	MITCHELL 2
YEAR 2011	38	39	40	41	42	43	44
ANCILLARY REVENUE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG HEAT RATE MAXIMUM SEASONAL P	0	0	0	0	0	0	0
AVG HEAT RATE MINIMUM SEASONAL P	0	0	0	0	0	0	0
BID PRICE AT INCREMENTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL P	0	0	0	0	0	0	0
BID PRICE MINIMUM SEASONAL POINT	0	0	0	0	0	0	0
CAPACITY REVENUE PROFILE	0	0	0	0	0	0	0
CAPACITY REVENUE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY SEGMENT PROFILE	40	40	40	40	40	43	44
CAPITAL COSTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEPARTION LIBRARY POINTER	38	39	40	41	42	43	44
DISPATCH PENALTY AT MAXIMUM	1.00	1.00	1.00	1.00	1.00	1.00	1.00
DISPATCH PENALTY AT MINIMUM	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ENERGY MARGIN CAPACITY FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED ANNUAL CAPACITY RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	0.00	0.00	0.00	0.00	0.00	15507.71	9509.78
FIXED SEASONAL CAPACITY RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL RATE PROFILE	0	0	0	0	0	0	0
HEAT RATE PROFILE	38	39	40	41	42	43	44
MAINTENANCE REQUIREMENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAINTENANCE SEASONAL METHOD	1	1	1	1	1	1	1
MAINTENANCE SEASONAL POINTER	0	0	0	0	0	0	0
MATURE OUTAGE RATE SEASONAL PROF	0	0	0	0	0	0	0
MAXIMUM CAPACITY	85.00	85.00	85.00	85.00	85.00	770.00	790.00
MINIMUM CAPACITY	65.00	65.00	65.00	65.00	65.00	400.00	450.00
MOST RUN INDICATOR	0	0	0	0	0	1	1
PARTIAL OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PARTIAL OUTAGE RATE SEASONAL PRO	0	0	0	0	0	0	0
PERCENT FIRM	95.58	96.34	93.79	96.17	97.02	95.51	93.40
RENEWABLE ENERGY CREDIT	0	0	0	0	0	0	0
SEASONAL VARIABLE COST PROFILE	0	0	0	0	0	250	250
VARIABLE O AND M COSTS	3.04	4.75	4.75	4.76	4.75	0.99	0.99
YEAR 2012	0.00	0.00	0.00	0.00	0.00	14689.20	20115.49
PERCENT FIRM	95.58	96.34	93.79	96.17	97.02	95.67	92.36
YEAR 2013	0.00	0.00	0.00	0.00	0.00	28491.47	19948.78
PERCENT FIRM	95.58	96.34	93.79	96.17	97.02	94.84	93.68
YEAR 2014	0.00	0.00	0.00	0.00	0.00	33085.17	32436.88
YEAR 2015	0.00	0.00	0.00	0.00	0.00	44301.90	54294.52
YEAR 2016	0.00	0.00	0.00	0.00	0.00	62727.03	53382.62
YEAR 2017	0.00	0.00	0.00	0.00	0.00	54048.07	53012.82

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THermal UNIT	38	39	40	41	42	43	44
	KYGER 1	KYGER 2	KYGER 3	KYGER 4	KYGER 5	MITCHELL 1	MITCHELL 2
----- YEAR 2038 -----							
FIXED COSTS	0.00	0.00	0.00	0.00	0.00	122697.82	66401.21
----- YEAR 2039 -----							
FIXED COSTS	0.00	0.00	0.00	0.00	0.00	122223.04	66930.04
----- YEAR 2040 -----							
FIXED COSTS	0.00	0.00	0.00	0.00	0.00	625039.19	294141.62
----- YEAR 2011 -----							
THermal UNIT	MOUNT ER 1	MUSK RVR 1	MUSK RVR 2	MUSK RVR 3	MUSK RVR 4	MUSK RVR 5	P SPOBN 1
ANCILLARY REVENUE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG HEAT RATE MAXIMUM SEASONAL P	0	0	0	0	0	0	0
AVG HEAT RATE MINIMUM SEASONAL P	0	0	0	0	0	0	0
BID PRICE AT INCREMENTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL P	0	0	0	0	0	0	0
BID PRICE MINIMUM SEASONAL POINT	0	0	0	0	0	0	0
CAPACITY REVENUE PROFIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY REVENUE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY SEGMENT PROFIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPITAL COSTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEPARTION LIBRARY POINTER	45	46	47	48	49	50	51
DISPATCH PENALTY AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISPATCH PENALTY AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENERGY MARGIN CAPACITY FACTOR	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ENERGY MARGIN CAPACITY RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	13534.59	-645.88	-753.76	-702.22	991.54	18686.00	-683.43
FIXED SEASONAL CAPACITY RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL RATE PROFIT	0	0	0	0	0	0	0
HEAT RATE PROFIT	45	46	47	48	49	50	51
HEAT RATE REQUIREMENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAINTENANCE REQUIREMENT	1	1	1	1	1	1	1
MAINTENANCE SEASONAL METHOD	0	0	0	0	0	0	0
MAINTENANCE SEASONAL POINTER	0	0	0	0	0	0	0
MATURE OUTAGE RATE SEASONAL PROF	0	0	0	0	0	0	0
MAXIMUM CAPACITY	1314.00	205.00	205.00	215.00	215.00	600.00	150.00
MINIMUM CAPACITY	600.00	60.00	60.00	60.00	60.00	450.00	35.00
MUST RUN INDICATOR	1	0	0	0	0	1	0
PARTIAL OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PARTIAL OUTAGE RATE SEASONAL PRO	0	0	0	0	0	0	0
PERCENT FIRM	94.78	85.15	82.59	80.28	90.79	78.10	68.95
RENEWABLE ENERGY CREDIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEASONAL VARIABLE COST PROFIT	230	0	0	0	0	0	0
VARIABLE O AND W COSTS	2.68	1.82	1.82	1.82	1.82	1.82	2.78
----- YEAR 2012 -----							
FIXED COSTS	29605.59	531.26	1513.21	223.70	2279.04	24101.00	-387.05
PERCENT FIRM	94.97	85.53	83.04	80.79	87.44	85.73	67.33
----- YEAR 2013 -----							
FIXED COSTS	35115.84	490.60	31.95	384.69	986.84	19057.00	-416.06
PERCENT FIRM	95.01	86.01	83.04	81.42	87.44	87.95	65.25
----- YEAR 2014 -----							
FIXED COSTS	53294.17	5438.13	-1378.51	10953.20	-73.60	18096.00	1109.54
----- YEAR 2015 -----							
FIXED COSTS	45879.80	0.00	0.00	0.00	0.00	62139.00	0.00
PERCENT FIRM	95.01	0.00	0.00	0.00	0.00	0.00	0.00
----- YEAR 2016 -----							
FIXED COSTS	86618.34	0.00	0.00	0.00	0.00	0.00	0.00
----- YEAR 2017 -----							
FIXED COSTS	73117.19	0.00	0.00	0.00	0.00	0.00	0.00
----- YEAR 2018 -----							
FIXED COSTS	87219.08	0.00	0.00	0.00	0.00	0.00	0.00
----- YEAR 2019 -----							
FIXED COSTS	80550.57	0.00	0.00	0.00	0.00	0.00	0.00
----- YEAR 2020 -----							
FIXED COSTS	86465.66	0.00	0.00	0.00	0.00	0.00	0.00
----- YEAR 2021 -----							
FIXED COSTS	91550.24	0.00	0.00	0.00	0.00	0.00	0.00
----- YEAR 2022 -----							
FIXED COSTS	63191.60	0.00	0.00	0.00	0.00	0.00	0.00
----- YEAR 2023 -----							

4-Company East Optimization

FIXED COSTS	YEAR 2024	\$000/YR	63474.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2024	\$000/YR	71955.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2025	\$000/YR	69202.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2026	\$000/YR	91234.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2027	\$000/YR	73539.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2028	\$000/YR	81342.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2029	\$000/YR	79760.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2030	\$000/YR	88078.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2031	\$000/YR	80023.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2032	\$000/YR	76195.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2033	\$000/YR	67427.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2034	\$000/YR	68825.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2035	\$000/YR	61143.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2036	\$000/YR	83592.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2037	\$000/YR	59044.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2038	\$000/YR	65166.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2039	\$000/YR	61218.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2040	\$000/YR	511774.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HEAT UNIT																			
YEAR 2011				52	53	54	55	56	57	58									
ANCILLARY REVENUE RATE		\$/MMH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00									
AVERAGE HEAT RATE AT MAXIMUM		MBTU/MMH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00									
AVERAGE HEAT RATE AT MINIMUM		MBTU/MMH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00									
AVG HEAT RATE MAXIMUM SEASONAL		P	0	0	0	0	0	0	0	0									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

YEAR 2011	52	53	54	55	56	57	58
	P SPORN 2	P SPORN 3	P SPORN 4	P SPORN 5	PICWAY 5	RRPT_IM 1	RRUN_IM 1
AVG HEAT RATE MINIMUM SEASONAL P	0	0	0	0	0	0	0
BID PRICE AT INCREMENTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL P	0	0	0	0	0	0	0
BID PRICE MINIMUM SEASONAL POINT	0	0	0	0	0	0	0
CAPACITY REVENUE PROFILE	0	0	0	0	0	0	0
CAPACITY REVENUE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY SEGMENT PROFILE	52	53	54	55	56	58	58
CAPITAL COSTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DERATION LIBRARY POINTER	52	53	54	55	56	58	58
DISPATCH PENALTY AT MAXIMUM	1.00	1.00	1.00	1.00	1.00	1.00	1.00
DISPATCH PENALTY AT MINIMUM	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ENERGY MARGIN CAPACITY FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED ANNUAL CAPACITY RATE	5229.59	3439.02	6772.53	0.00	2127.00	25550.00	25686.00
FIXED SEASONAL CAPACITY RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL RATE PROFILE	0	0	0	0	0	0	0
HEAT RATE PROFILE	52	53	54	55	56	58	58
MAINTENANCE REQUIREMENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAINTENANCE SEASONAL METHOD	1	1	1	1	1	1	1
MAINTENANCE SEASONAL POINTER	0	0	0	0	0	0	0
NATURE OUTAGE RATE SEASONAL PROF	0	0	0	0	0	0	0
MAXIMUM CAPACITY	150.00	150.00	150.00	450.00	100.00	1105.00	1105.00
MINIMUM CAPACITY	35.00	35.00	35.00	270.00	10.00	370.00	370.00
MOST RUN INDICATOR	0	0	0	1	0	0	0
PARTIAL OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PARTIAL OUTAGE RATE SEASONAL PRO	0	0	0	0	0	0	0
PERCENT FIRM	68.95	75.70	75.70	0.00	92.69	92.00	92.00
RENEWABLE ENERGY COST	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEASONAL VARIABLE COST PROFILE	3.39	2.78	3.39	3.39	6.64	0.99	0.99
VARIABLE O AND M COSTS	\$/MWH						
YEAR 2012							
FIXED COSTS	\$000/YR	6071.18	789.05	7579.46	0.00	1771.98	16062.00
HEAT RATE PROFILE		52	111	112	95	56	58
PERCENT FIRM	%	67.33	72.10	72.10	0.00	92.35	92.90
YEAR 2013							
FIXED COSTS	\$000/YR	7969.36	1049.08	7368.90	0.00	2520.73	18706.00
PERCENT FIRM	%	65.25	68.50	68.50	0.00	91.84	93.00
YEAR 2014							
FIXED COSTS	\$000/YR	9693.78	3490.42	9414.73	0.00	1449.62	17868.00
YEAR 2015							
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	22950.00
PERCENT FIRM	%	0.00	0.00	0.00	0.00	0.00	93.00
YEAR 2016							
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	37160.00
PERCENT FIRM	%	0.00	0.00	0.00	0.00	0.00	93.00
DERATION LIBRARY POINTER		52	53	54	55	56	59
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							

	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040	
THERMAL UNIT								
ANCILLARY REVENUE RATE								
AVERAGE HEAT RATE AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG HEAT RATE MAXIMUM SEASONAL P	0	0	0	0	0	0	0	0
AVG HEAT RATE MINIMUM SEASONAL P	0	0	0	0	0	0	0	0
BID PRICE AT INCREMENTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL P	0	0	0	0	0	0	0	0
BID PRICE MINIMUM SEASONAL POINT	0	0	0	0	0	0	0	0
CAPACITY REVENUE PROFILE								
CAPACITY REVENUE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY SEGMENT PROFILE	59	61	62	63	64	65	66	
CAPITAL COSTS	59	61	62	63	64	65	66	
DERATION LIBRARY POINTER	59	61	62	63	64	65	66	
DISPATCH PENALTY AT MAXIMUM	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
DISPATCH PENALTY AT MINIMUM	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ENERGY MARGIN CAPACITY FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED ANNUAL CAPACITY RATE	4695.00	5515.56	5944.26	5962.41	5690.38	37159.33	1620.81	0
FIXED COSTS	0	0	0	0	0	0	0	0
FIXED SEASONAL CAPACITY RATE	0	0	0	0	0	0	0	0
HEAT RATE PROFILE	59	61	62	63	64	65	66	
MAINTENANCE REQUIREMENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAINTENANCE SEASONAL METHOD	1	1	1	1	1	1	1	1
MAINTENANCE SEASONAL POINTER	1	1	1	1	1	1	1	1
MATURE OUTAGE RATE SEASONAL PROF	0	0	0	0	0	0	0	0
MAXIMUM CAPACITY	1105.00	150.00	150.00	150.00	150.00	429.00	145.00	0
MINIMUM CAPACITY	305.00	104.00	104.00	104.00	104.00	231.00	50.00	0
MOST RUN INDICATOR	0	1	1	1	1	1	0	0
PARTIAL OUTAGE RATE SEASONAL PRO	0	0	0	0	0	0	0	0
PERCENT FIRM	93.69	91.61	91.11	91.91	91.50	95.24	84.00	0
RENEWABLE ENERGY CREDIT	0	0.00	0.00	0.00	0.00	0.00	0.00	0
SEASONAL VARIABLE COST PROFILE	0	250	250	250	250	250	0	0
VARIABLE O AND M COSTS	0.69	1.97	1.97	1.97	1.97	1.84	3.25	
YEAR 2012	17642.00	5955.74	5919.04	5978.96	5959.61	43716.21	1653.24	
FIXED COSTS								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT
QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		59	61	62	63	64	65	66
		ROCKE_IM	STUART	STUART	STUART	STUART	AMOS_AP	TANN
		2	1	2	3	4	3	1-3
		2	1	2	3	4	3	1
YEAR 2012	HEAT RATE PROFILE	59	61	62	63	64	20	99
PERCENT FIRM		93.23	90.84	90.30	91.18	90.72	95.42	80.00
YEAR 2013	FIXED COSTS	\$000/YR	9555.00	7262.81	7062.07	7110.81	7093.72	53622.27
PERCENT FIRM		92.76	90.08	89.50	90.44	89.95	95.45	78.00
YEAR 2014	FIXED COSTS	\$000/YR	19368.00	9037.65	9201.00	9231.32	9486.67	46278.29
YEAR 2015	FIXED COSTS	\$000/YR	13262.00	9865.47	9846.30	9874.97	9866.69	57362.63
PERCENT FIRM		92.76	90.08	89.50	90.44	89.95	95.45	0.00
YEAR 2016	FIXED COSTS	\$000/YR	21073.00	11460.29	10974.28	11011.10	10999.26	67579.17
YEAR 2017	FIXED COSTS	\$000/YR	20184.00	11827.66	11955.97	12028.41	12019.51	68323.79
YEAR 2018	FIXED COSTS	\$000/YR	23459.00	12930.69	12879.30	12981.66	12954.39	57186.02
YEAR 2019	FIXED COSTS	\$000/YR	27041.00	12821.91	12563.08	12705.35	12651.45	68800.85
YEAR 2020	FIXED COSTS	\$000/YR	0.00	13035.51	13141.24	13304.03	13252.75	64944.07
PERCENT FIRM		0.00	90.08	89.50	90.44	89.95	95.45	0.00
YEAR 2021	FIXED COSTS	\$000/YR	0.00	14555.25	14454.39	14644.21	14566.40	68606.87
YEAR 2022	FIXED COSTS	\$000/YR	0.00	15265.31	14937.31	15138.02	15062.45	72604.18
YEAR 2023	FIXED COSTS	\$000/YR	0.00	15713.64	15820.87	16026.94	16281.04	73819.76
YEAR 2024	FIXED COSTS	\$000/YR	0.00	16553.55	16438.04	16655.13	16569.63	76601.47
YEAR 2025	FIXED COSTS	\$000/YR	0.00	17700.64	17025.17	17218.04	17137.65	88626.22
YEAR 2026	FIXED COSTS	\$000/YR	0.00	17996.40	18129.19	18324.12	18240.01	91235.02
YEAR 2027	FIXED COSTS	\$000/YR	0.00	18993.81	18885.88	19076.76	19007.23	94153.86
YEAR 2028	FIXED COSTS	\$000/YR	0.00	19793.28	19404.10	19629.13	19567.48	97079.59
YEAR 2029	FIXED COSTS	\$000/YR	0.00	20365.08	20476.53	20700.85	20630.38	100016.08
YEAR 2030	FIXED COSTS	\$000/YR	0.00	21474.46	21324.29	21559.76	21491.09	103067.47
YEAR 2031	FIXED COSTS	\$000/YR	0.00	21288.34	20862.72	21119.03	21041.73	103194.00
YEAR 2032	FIXED COSTS	\$000/YR	0.00	21114.10	21230.31	21472.09	21796.99	104880.97
YEAR 2033	FIXED COSTS	\$000/YR	0.00	21438.10	21288.69	21543.42	21463.11	104972.18
YEAR 2034	FIXED COSTS	\$000/YR	0.00	21707.67	20848.49	21112.83	21034.38	106253.63
YEAR 2035	FIXED COSTS	\$000/YR	0.00	20734.16	20872.92	21125.94	21056.32	107510.37
YEAR 2036	FIXED COSTS	\$000/YR	0.00	20867.78	20716.23	21014.19	20890.90	107532.63
YEAR 2037	FIXED COSTS	\$000/YR	0.00	20663.74	20209.50	20496.03	20380.10	110065.30
YEAR 2038	FIXED COSTS	\$000/YR	0.00	20855.71	21005.35	21275.72	21174.55	112670.43
YEAR 2039	FIXED COSTS	\$000/YR	0.00	21722.25	21564.56	21859.23	21737.52	114701.17
YEAR 2040	FIXED COSTS	\$000/YR	0.00	113179.22	112714.05	113037.29	112912.03	330344.00

		----- YEAR 2011 -----										
		67	68	69	70	71	72	73				
		TANN 1-3	TANN 1-3	TANN 4	ZIMMER	ROBTOWNE	ROBTOWNE	ROBTOWNE				
		2	3	4	1	1	2	3				
THERMAL UNIT												
ANCILLARY REVENUE RATE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MAXIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MINIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG HEAT RATE MAXIMUM SEASONAL P		0	0	0	0	0	0	0	0	0	0	0
AVG HEAT RATE MINIMUM SEASONAL P		0	0	0	0	0	0	0	0	0	0	0
BID PRICE AT INCREMENTAL		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL P		0	0	0	0	0	0	0	0	0	0	0
BID PRICE MINIMUM SEASONAL POINT		0	0	0	0	0	0	0	0	0	0	0
CAPACITY REVENUE PROFILE		0	0	0	0	0	0	0	0	0	0	0
CAPACITY REVENUE RATE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY SEGMENT PROFILE		67	68	69	70	71	72	73				
CAPITAL COSTS		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPTION LIBRARY POINTER		67	68	69	70	71	72	73				
DISPATCH PENALTY AT MAXIMUM		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
DISPATCH PENALTY AT MINIMUM		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ENERGY MARGIN CAPACITY FACTOR		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED ANNUAL CAPACITY RATE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS		1618.98	5250.53	-1827.00	6217.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL CAPACITY RATE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL RATE PROFILE		0	0	0	0	0	0	0	0	0	0	0
HEAT RATE PROFILE		67	68	69	70	71	72	73				
HEAT RATE SEASONAL METHOD		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAINTENANCE REQUIREMENT		1	1	1	1	1	1	1	1	1	1	1
MAINTENANCE SEASONAL POINT		0	0	0	0	0	0	0	0	0	0	0
MAINTENANCE SEASONAL POINTER		0	0	0	0	0	0	0	0	0	0	0
MATERIALS FORCED OUTAGE RATE		9.00	14.00	16.00	7.58	2.00	2.00	2.00	2.00	2.00	2.00	2.00
MATERIALS FORCED OUTAGE RATE PROF		0	0	0	0	0	0	0	0	0	0	0
MATERIALS FORCED OUTAGE RATE		145.00	205.00	500.00	330.00	175.00	175.00	175.00	175.00	175.00	175.00	175.00
MAXIMUM CAPACITY		50.00	65.00	200.00	165.00	173.00	173.00	173.00	173.00	173.00	173.00	173.00
MINIMUM CAPACITY		0	0	0	0	0	0	0	0	0	0	0
MUST RUN INDICATOR		0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
PARTIAL OUTAGE RATE		0	0	0	0	0	0	0	0	0	0	0
PARTIAL OUTAGE RATE SEASONAL PRO		0	0	0	0	0	0	0	0	0	0	0
PERCENT FIRM		91.00	86.00	84.00	92.42	98.00	98.00	98.00	98.00	98.00	98.00	98.00
RENEWABLE ENERGY CREDIT		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEASONAL VARIABLE COST PROFILE		0	0	0	0	0	0	0	0	0	0	0
VARIABLE O AND M COSTS		3.25	3.25	3.25	1.97	11.86	11.86	11.86	11.86	11.86	11.86	11.86
----- YEAR 2012 -----												
FIXED COSTS		1739.59	-2032.03	2827.00	19337.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HEAT RATE PROFILE		100	101	69	70	0	0	0	0	0	0	0
MATERIALS FORCED OUTAGE RATE		14.00	14.00	17.00	7.58	2.00	2.00	2.00	2.00	2.00	2.00	2.00
MATERIALS FORCED OUTAGE RATE		87.00	86.00	83.00	92.42	98.00	98.00	98.00	98.00	98.00	98.00	98.00
----- YEAR 2013 -----												
FIXED COSTS		2022.52	-804.10	15698.00	8278.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HEAT RATE PROFILE		17.00	22.00	20.00	7.58	2.00	2.00	2.00	2.00	2.00	2.00	2.00
MATERIALS FORCED OUTAGE RATE		83.00	79.00	80.00	92.42	98.00	98.00	98.00	98.00	98.00	98.00	98.00
PERCENT FIRM												
----- YEAR 2014 -----												
FIXED COSTS		1574.83	9389.14	0.00	9666.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
----- YEAR 2015 -----												
FIXED COSTS		0.00	0.00	0.00	18646.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MATERIALS FORCED OUTAGE RATE		100.00	100.00	20.00	7.58	2.00	2.00	2.00	2.00	2.00	2.00	2.00

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	67	68	69	70	71	72	73
	TANN 1-3 2	TANN 1-3 3	TANN 4 4	ZIMMER 1	ROBTWONE 1	ROBTWONE 2	ROBTWONE 3
PERCENT FIRM	0.00	0.00	80.00	92.42	98.00	98.00	98.00
FIXED COSTS	\$000/YR	0.00	0.00	20673.88	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	27677.58	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	27623.17	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	26439.90	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	27045.17	0.00	0.00	0.00
NATURE FORCED OUTAGE RATE	100.00	100.00	100.00	75.58	2.00	2.00	2.00
PERCENT FIRM	0.00	0.00	0.00	92.42	98.00	98.00	98.00
FIXED COSTS	\$000/YR	0.00	0.00	31986.48	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	32708.40	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	33694.63	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	36097.59	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	37151.57	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	39277.87	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	42571.22	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	42810.20	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	44705.30	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	47806.64	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	46388.62	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	45161.65	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	47642.45	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	46539.52	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	46292.60	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	48925.32	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	48310.54	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	47564.16	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	50889.60	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	268942.22	0.00	0.00	0.00
THERMAL UNIT	74	75	76	77	78	79	80
	CEREDO	CEREDO	CEREDO	CEREDO	CEREDO	CEREDO	CEREDO
YEAR 2011	0	1	2	3	4	5	6
ANCILLARY REVENUE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG HEAT RATE MAXIMUM SEASONAL P	0	0	0	0	0	0	0
AVG HEAT RATE MINIMUM SEASONAL P	0	0	0	0	0	0	0
BID PRICE AT INCREMENTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP, INPUT, THERMAL UNIT.

THEMAL UNIT	74	75	76	77	78	79	80
YEAR 2023	0.00	1107.10	395.20	469.91	334.92	438.99	502.71
YEAR 2024	0.00	1212.63	469.09	539.39	368.79	486.15	572.83
YEAR 2025	0.00	1164.61	454.60	533.17	383.71	503.68	570.23
YEAR 2026	0.00	1230.84	524.59	607.22	449.65	576.25	645.02
YEAR 2027	0.00	1196.58	489.56	576.20	408.53	540.17	609.24
YEAR 2028	0.00	1230.81	525.26	612.16	444.68	579.50	653.35
YEAR 2029	0.00	1255.60	552.70	640.71	550.13	608.74	724.26
YEAR 2030	0.00	1344.22	631.78	729.39	496.22	678.26	695.31
YEAR 2031	0.00	1280.14	571.28	655.77	499.33	624.56	698.29
YEAR 2032	0.00	1219.16	512.95	601.44	576.46	568.71	642.72
YEAR 2033	0.00	1237.30	533.51	625.01	448.02	587.51	725.01
YEAR 2034	0.00	1230.57	531.60	629.16	463.80	639.49	675.58
YEAR 2035	0.00	553.96	545.29	685.51	425.52	566.71	643.46
YEAR 2036	0.00	476.63	545.14	649.48	432.96	610.63	687.45
YEAR 2037	0.00	447.96	493.19	588.45	416.70	555.03	636.87
YEAR 2038	0.00	449.93	496.33	593.63	414.56	560.49	685.49
YEAR 2039	0.00	440.84	488.66	589.53	405.95	555.83	639.16
YEAR 2040	0.00	3915.90	3959.60	4153.10	3902.01	3942.14	4031.82
THEMAL UNIT	DARBY 1	DARBY 2	DARBY 3	DARBY 4	DARBY 5	DARBY 6	LMBG WIN 1
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ANCILLARY REVENUE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	8.00
AVG HEAT RATE MAXIMUM SEASONAL P	0	0	0	0	0	0	0
AVG HEAT RATE MINIMUM SEASONAL P	0	0	0	0	0	0	0
BID PRICE AT INCREMENTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL P	0	0	0	0	0	0	0
BID PRICE MINIMUM SEASONAL POINT	0	0	0	0	0	0	0
CAPACITY REVENUE PROFILE	0	0	0	0	0	0	0
CAPACITY SEGMENT PROFILE	0	0	0	0	0	0	0
CAPITAL COSTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEBATION LIBRARY POINTNER	97	97	97	97	97	97	153
DISPATCH PENALTY AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISPATCH PENALTY AT MINIMUM	116	116	116	136	136	136	138
ENERGY MARGIN CAPACITY FACTOR	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FIXED ANNUAL CAPACITY RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL CAPACITY RATE	10.49	36.33	59.41	82.07	102.49	121.80	0.00
FIXED SEASONAL RATE PROFILE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HEAT RATE PROFILE	91	91	91	91	91	91	122
MAINTENANCE REQUIREMENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAINTENANCE SEASONAL METHOD	1	1	1	1	1	1	1
MAINTENANCE SEASONAL POINTNER	0	0	0	0	0	0	0
MATURE OUTAGE RATE	2.00	2.00	2.00	2.00	2.00	2.00	1.78
MINIMUM CAPACITY	0	0	0	0	0	0	0
MINIMUM CAPACITY	85.00	85.00	85.00	85.00	85.00	85.00	593.00
MUST RUN INDICATOR	0	0	0	0	0	0	0
PARTIAL OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PARTIAL OUTAGE RATE SEASONAL PRO	0	0	0	0	0	0	0
PERCENT FIRM	98.00	98.00	98.00	98.00	98.00	98.00	0.00

4-Company East Optimization

RENEWABLE ENERGY CREDIT SEASONAL VARIABLE COST PROFILE VARIABLE O AND M COSTS	RATIO \$/MWH	0.00 0 5.34	0.00 0 5.34	0.00 0 5.34	0.00 0 5.34	0.00 0 5.34	0.00 0 5.34	0.00 0 5.34	0.00 0 5.34
FIXED COSTS		232.30	247.44	259.59	272.59	284.34	294.92	0.00	0.00
----- YEAR 2012 -----									
FIXED COSTS		116.99	135.44	152.90	169.19	184.47	198.93	0.00	0.00
----- YEAR 2013 -----									
FIXED COSTS		120.08	139.04	156.86	194.75	204.64	218.66	0.00	0.00
----- YEAR 2014 -----									
FIXED COSTS		206.08	209.68	231.70	223.07	239.97	255.43	0.00	0.00
----- YEAR 2015 -----									
FIXED COSTS		400.51	418.76	435.19	450.25	464.58	477.79	0.00	0.00
----- YEAR 2016 -----									
FIXED COSTS		414.33	436.11	456.04	474.76	491.82	507.23	0.00	0.00
----- YEAR 2017 -----									
FIXED COSTS		247.13	269.84	291.93	311.80	331.07	348.40	0.00	0.00
----- YEAR 2018 -----									
FIXED COSTS		261.19	284.79	306.90	327.13	346.19	364.32	0.00	0.00
----- YEAR 2019 -----									
FIXED COSTS		208.69	230.58	252.34	270.92	319.06	334.61	0.00	0.00
----- YEAR 2020 -----									
FIXED COSTS		317.42	344.05	368.00	390.77	412.17	455.77	0.00	0.00
----- YEAR 2021 -----									
FIXED COSTS		243.94	274.54	296.78	321.17	347.61	406.03	0.00	0.00
----- YEAR 2022 -----									
FIXED COSTS		238.69	271.02	301.18	329.28	355.57	410.75	0.00	0.00
----- YEAR 2023 -----									
FIXED COSTS		286.08	316.37	344.75	402.21	412.96	445.27	0.00	0.00
----- YEAR 2024 -----									
FIXED COSTS		334.67	347.12	392.75	369.30	396.75	451.21	0.00	0.00
----- YEAR 2025 -----									
FIXED COSTS		355.54	387.06	417.73	445.51	471.83	526.45	0.00	0.00
----- YEAR 2026 -----									
FIXED COSTS		365.27	399.43	431.04	459.46	487.07	536.20	0.00	0.00
----- YEAR 2027 -----									
FIXED COSTS		352.00	386.27	420.03	451.02	479.53	533.95	0.00	0.00
----- YEAR 2028 -----									
FIXED COSTS		426.82	460.29	491.53	520.31	547.32	594.27	0.00	0.00
----- YEAR 2029 -----									
FIXED COSTS		419.82	445.86	476.77	505.05	574.45	597.04	0.00	0.00
----- YEAR 2030 -----									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT	DARBY 81	DARBY 82	DARBY 83	DARBY 84	DARBY 85	DARBY 86	DARBY 87
FIXED COSTS	480.50	513.33	545.45	574.10	601.90	647.81	0.00
YEAR 2031							
FIXED COSTS	434.61	471.24	498.70	528.69	561.15	618.34	0.00
YEAR 2032							
FIXED COSTS	437.08	477.84	515.85	551.36	584.31	639.92	0.00
YEAR 2033							
FIXED COSTS	446.69	487.98	526.59	599.88	612.33	651.77	0.00
YEAR 2034							
FIXED COSTS	515.84	522.11	603.51	563.73	599.84	659.86	0.00
YEAR 2035							
FIXED COSTS	455.92	500.45	541.93	580.87	617.65	681.72	0.00
YEAR 2036							
FIXED COSTS	488.01	525.61	564.88	597.22	631.12	681.73	0.00
YEAR 2037							
FIXED COSTS	439.62	481.87	519.17	558.82	592.25	650.08	0.00
YEAR 2038							
FIXED COSTS	490.31	531.92	571.12	608.06	642.70	697.25	0.00
YEAR 2039							
FIXED COSTS	2579.29	2613.71	2651.82	2689.87	2760.77	2791.09	0.00
YEAR 2040							
FIXED COSTS							
YEAR 2011							
ANCILLARY REVENUE RATE	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MAXIMUM	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MINIMUM	MBTU/MWH	8.00	8.00	8.00	8.00	8.00	8.00
AVERAGE HEAT RATE AT MINIMUM	MBTU/MWH	8.00	8.00	8.00	8.00	8.00	8.00
AVG HEAT RATE MAXIMUM SEASONAL P	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
AVG HEAT RATE MINIMUM SEASONAL P	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT INCREMENTAL	%	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM	%	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR	%	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR	%	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL P	%	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE MINIMUM SEASONAL POINT	%	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY REVENUE PROFILE	\$/KW	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY REVENUE RATE	\$/KW	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY SEGMENT PROFILE	\$/KW	153	153	153	109	162	162
CAPITAL COSTS	\$/KW	0.00	0.00	0.00	0.00	0.00	0.00
DEBITION LIBRARY POINTER		138	138	138	74	114	114
DISPATCH PENALTY AT MAXIMUM	FRACTION	1.00	1.00	1.00	1.00	1.00	1.00
DISPATCH PENALTY AT MINIMUM	FRACTION	1.00	1.00	1.00	1.00	1.00	1.00
ENERGY MARGIN CAPACITY FACTOR	\$/KW/YR	0.00	0.00	0.00	0.00	0.00	0.00
FIXED ANNUAL CAPACITY RATE	\$/KW/YR	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	\$/KW/YR	-640.78	-822.76	-822.76	-547.28	210.70	0.00
FIXED SEASONAL CAPACITY RATE	\$/KW/YR	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL RATE PROFILE	\$/KW/YR	0.00	0.00	0.00	0.00	0.00	0.00
HEAT RATE PROFILE	MKS/YEAR	122	122	122	126	126	130
MAINTENANCE REQUIREMENT	MKS/YEAR	0.00	0.00	0.00	0.00	0.00	0.00
MAINTENANCE SEASONAL METHOD		1	1	1	1	1	1
MAINTENANCE SEASONAL POINTER		0	0	0	0	0	0
MAXIMUM SEASONAL PROF	\$	1378	1378	1378	1378	1378	1378
MAXIMUM CAPACITY	MW	593.00	593.00	593.00	840.00	840.00	625.00
MINIMUM CAPACITY	MW	140.00	140.00	140.00	140.00	140.00	273.00
MUST RUN INDICATOR	%	0.00	0.00	0.00	0.00	0.00	0.00
PARTIAL OUTAGE RATE	%	0.00	0.00	0.00	0.00	0.00	0.00
PARTIAL OUTAGE RATE SEASONAL PRO	%	0.00	0.00	0.00	0.00	0.00	0.00
PERCENT FIRM	RATIO	0.00	98.22	98.22	98.22	0.00	98.22
RENEWABLE ENERGY CREDIT	RATIO	0.00	0.00	0.00	0.00	0.00	0.00
SEASONAL VARIABLE COST PROFILE	\$/MWH	3.69	3.82	3.69	3.65	3.65	2.60
VARIABLE O AND M COSTS	\$/MWH	3.69	3.82	3.69	3.65	3.65	2.60
YEAR 2012							
FIXED COSTS	\$/MWH	0.00	-636.77	-866.83	-1437.84	-1723.85	0.00
YEAR 2013							
FIXED COSTS	\$/MWH	0.00	-607.53	-782.12	-2284.44	-1776.47	0.00
YEAR 2014							
FIXED COSTS	\$/MWH	0.00	-705.54	-864.76	-2314.78	-1734.33	0.00
YEAR 2015							
FIXED COSTS	\$/MWH	0.00	-720.25	-928.24	3763.22	4115.30	0.00
YEAR 2016							
FIXED COSTS	\$/MWH	0.00	-657.08	-859.24	1494.37	1595.75	0.00
YEAR 2017							
FIXED COSTS	\$/MWH	0.00	-830.58	-1043.35	-1823.50	-1519.47	0.00
YEAR 2018							
FIXED COSTS	\$/MWH	0.00	-659.11	-866.60	-1270.08	-425.54	0.00

4-Company East Optimization

-----	YEAR 2019	-----								
-----	FIXED COSTS	-----	\$000/YR	0.00	-813.69	-1026.57	-1662.69	-969.56	0.00	0.00
-----	YEAR 2020	-----								
-----	FIXED COSTS	-----	\$000/YR	0.00	-933.93	-1153.61	-1939.10	-1535.67	0.00	0.00
-----	YEAR 2021	-----								
-----	FIXED COSTS	-----	\$000/YR	0.00	-1057.45	-1273.94	-968.78	-697.92	0.00	0.00
-----	YEAR 2022	-----								
-----	FIXED COSTS	-----	\$000/YR	0.00	-1144.01	-1371.23	-1671.57	-1169.79	0.00	0.00
-----	YEAR 2023	-----								
-----	FIXED COSTS	-----	\$000/YR	0.00	-1214.54	-1452.18	-1400.94	-1093.71	0.00	0.00
-----	YEAR 2024	-----								
-----	FIXED COSTS	-----	\$000/YR	0.00	-1240.02	-1509.88	-1195.15	-1073.83	0.00	0.00
-----	YEAR 2025	-----								
-----	FIXED COSTS	-----	\$000/YR	0.00	-1251.43	-1526.13	-1400.21	-1006.38	0.00	0.00
-----	YEAR 2026	-----								
-----	FIXED COSTS	-----	\$000/YR	0.00	-1194.84	-1499.46	-1017.83	-706.76	0.00	0.00
-----	YEAR 2027	-----								
-----	FIXED COSTS	-----	\$000/YR	0.00	-1477.64	-1788.09	-1137.70	-1069.54	0.00	0.00
-----	YEAR 2028	-----								
-----	FIXED COSTS	-----	\$000/YR	0.00	-1557.87	-1878.03	-948.35	-1067.40	0.00	0.00
-----	YEAR 2029	-----								
-----	FIXED COSTS	-----	\$000/YR	0.00	-1498.27	-1850.34	-1013.76	-868.19	0.00	0.00
-----	YEAR 2030	-----								
-----	FIXED COSTS	-----	\$000/YR	0.00	-1536.80	-1893.11	-1082.95	-812.66	0.00	0.00
-----	YEAR 2031	-----								
-----	FIXED COSTS	-----	\$000/YR	0.00	-1629.79	-1996.54	-1245.04	-971.57	0.00	0.00
-----	YEAR 2032	-----								
-----	FIXED COSTS	-----	\$000/YR	0.00	-1669.45	-2046.17	-1260.17	-956.37	0.00	0.00
-----	YEAR 2033	-----								
-----	FIXED COSTS	-----	\$000/YR	0.00	-1701.65	-2092.96	-1324.30*	-909.90	0.00	0.00
-----	YEAR 2034	-----								
-----	FIXED COSTS	-----	\$000/YR	0.00	-1760.01	-2161.96	-1480.83	-902.14	0.00	0.00
-----	YEAR 2035	-----								
-----	FIXED COSTS	-----	\$000/YR	0.00	-1818.44	-2232.32	-1915.75	-1277.11	0.00	0.00
-----	YEAR 2036	-----								
-----	FIXED COSTS	-----	\$000/YR	0.00	-1866.59	-2293.58	-2233.60	-1453.57	0.00	0.00
-----	YEAR 2037	-----								
-----	FIXED COSTS	-----	\$000/YR	0.00	-2177.28	-2525.00	-1621.16	-1235.46	0.00	0.00
-----	YEAR 2038	-----								
-----	FIXED COSTS	-----	\$000/YR	0.00	-2238.95	-2594.78	-2055.26	-1304.89	0.00	0.00

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		88	89	90	91	92	93	94
		IMBG WIN 2	IMBG SWR 1	IMBG SWR 2	WATR CC 1	WATR2 1	DRESDEN 1	DRES2 1
YEAR 2039	FIXED COSTS	0.00	-2299.04	-2668.29	-2224.60	-1348.62	0.00	0.00
YEAR 2040	FIXED COSTS	0.00	-2072.94	-2450.30	11769.22	12854.77	0.00	0.00
THERMAL UNIT		95	96	97	98	99	100	101
		0	0	0	0	0	0	NUCLEAR 1
YEAR 2011								
ANCILLARY REVENUE RATE		\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MAXIMUM		BHP/1000 LBHR/1000	0.00	0.00	0.00	0.00	0.00	10.50
AVERAGE HEAT RATE AT MINIMUM			0.00	0.00	0.00	0.00	0.00	10.50
AVG HEAT RATE MAXIMUM SEASONAL			0	0	0	0	0	0
AVG HEAT RATE MINIMUM SEASONAL			0	0	0	0	0	0
BID PRICE AT INCREMENTAL		\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM		\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR		%	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR		%	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL			0	0	0	0	0	0
BID PRICE MINIMUM SEASONAL POINT			0	0	0	0	0	0
CAPACITY REVENUE PROFILE			0	0	0	0	0	0
CAPACITY REVENUE RATE		\$/KW	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY SEGMENT PROFILE			0	0	0	0	0	0
CAPITAL COSTS		\$000	0.00	0.00	0.00	0.00	0.00	0.00
DERATION LIBRARY POINTER			0	0	0	0	0	124
DISPATCH PENALTY AT MAXIMUM			1.00	1.00	1.00	1.00	1.00	1.00
DISPATCH PENALTY AT MINIMUM			1.00	1.00	1.00	1.00	1.00	1.00
ENERGY MARGIN CAPACITY FACTOR		FRACTION	0.00	0.00	0.00	0.00	0.00	0.00
FIXED ANNUAL CAPACITY RATE		\$/KW/YR	0.00	0.00	0.00	0.00	0.00	69.05
FIXED COSTS		\$000/YR	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL CAPACITY RATE		\$/KW/SEA	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL RATE PROFILE			0	0	0	0	0	0
HEAT RATE PROFILE			0	0	0	0	0	0
MAINTENANCE REQUIREMENT		MKS/YEAR	0.00	0.00	0.00	0.00	0.00	0.00
MAINTENANCE SEASONAL POINT			1	1	1	1	1	1
MAINTENANCE SEASONAL METHOD			0	0	0	0	0	0
MAINTENANCE SEASONAL POINTER			0	0	0	0	0	0
MAINTENANCE SEASONAL PROF		%	0.00	0.00	0.00	0.00	0.00	1.00
MATURE OUTAGE RATE SEASONAL PROF			0	0	0	0	0	0
MAXIMUM CAPACITY		MW	0.00	0.00	0.00	0.00	0.00	800.00
MINIMUM CAPACITY		MW	0.00	0.00	0.00	0.00	0.00	800.00
MUST RUN INDICATOR			0	0	0	0	0	0
PARTIAL OUTAGE RATE		%	0.00	0.00	0.00	0.00	0.00	0.00
PARTIAL OUTAGE RATE SEASONAL PROF		%	0	0	0	0	0	0
PERCENT FIRM		%	0.00	0.00	0.00	0.00	0.00	99.00
RENEWABLE ENERGY CREDIT		RATIO	0.00	0.00	0.00	0.00	0.00	0.00
SEASONAL VARIABLE COST PROFILE		\$/MWH	0	0	0	0	0	5.73
VARIABLE O AND M COSTS			0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012	YEAR 2012							
YEAR 2013	YEAR 2013							
YEAR 2014	YEAR 2014							
YEAR 2015	YEAR 2015							
YEAR 2016	YEAR 2016							
YEAR 2017	YEAR 2017							
YEAR 2018	YEAR 2018							
YEAR 2019	YEAR 2019							
YEAR 2020	YEAR 2020							
YEAR 2021	YEAR 2021							
YEAR 2022	YEAR 2022							
YEAR 2023	YEAR 2023							
YEAR 2024	YEAR 2024							
YEAR 2025	YEAR 2025							
YEAR 2026	YEAR 2026							
YEAR 2027	YEAR 2027							
YEAR 2028	YEAR 2028							
YEAR 2029	YEAR 2029							
YEAR 2030	YEAR 2030							
YEAR 2031	YEAR 2031							
YEAR 2032	YEAR 2032							
YEAR 2033	YEAR 2033							

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THEMAL UNIT	102	103	104	105	106	107	108
	UPC_NCCS 1	FC_UH_SU 1	UPC_RCCS 1	IGC_NCCS 1	IGCC_GE 1	IGC_RCCS 1	CC_2X1FB 1
YEAR 2013	7.01	3.57	3.71	6.15	4.16	4.09	2.67
VARIABLE O AND M COSTS							
YEAR 2014	7.01	3.57	3.78	6.15	4.16	4.17	2.67
VARIABLE O AND M COSTS							
YEAR 2015	7.01	3.57	3.86	6.15	4.16	4.25	2.67
VARIABLE O AND M COSTS							
YEAR 2016	7.01	3.57	3.95	6.15	4.16	4.35	2.67
VARIABLE O AND M COSTS							
YEAR 2017	7.01	3.57	4.03	6.15	4.16	4.45	2.67
VARIABLE O AND M COSTS							
YEAR 2018	7.01	3.57	4.12	6.15	4.16	4.55	2.67
VARIABLE O AND M COSTS							
YEAR 2019	7.01	3.57	4.21	6.15	4.16	4.64	2.67
VARIABLE O AND M COSTS							
YEAR 2020	10.25	8.71	10.25	7.57	8.71	10.27	7.54
AVERAGE HEAT RATE AT MAXIMUM CAPACITY	10.25	8.71	10.25	7.57	8.71	10.27	7.54
AVERAGE HEAT RATE AT MINIMUM CAPACITY	10.97	9.32	10.97	8.24	9.32	10.99	7.25
HEAT RATE PROFILE	104	102	103	108	106	107	163
MAXIMUM CAPACITY	531.00	624.00	531.00	784.00	637.00	541.00	672.00
MINIMUM CAPACITY	265.00	312.00	266.00	392.00	319.00	270.00	336.00
VARIABLE O AND M COSTS	7.01	3.57	4.31	6.15	4.16	4.76	2.67
YEAR 2021	7.01	3.57	8.69	6.15	4.16	8.67	2.67
VARIABLE O AND M COSTS							
YEAR 2022	7.01	3.57	8.89	6.15	4.16	8.88	2.67
VARIABLE O AND M COSTS							
YEAR 2023	7.01	3.57	9.11	6.15	4.16	9.10	2.67
VARIABLE O AND M COSTS							
YEAR 2024	7.01	3.57	9.33	6.15	4.16	9.31	2.67
VARIABLE O AND M COSTS							
YEAR 2025	7.01	3.57	9.55	6.15	4.16	9.54	2.67
VARIABLE O AND M COSTS							
YEAR 2026	7.01	3.57	9.77	6.15	4.16	9.75	2.67
VARIABLE O AND M COSTS							
YEAR 2027	7.01	3.57	9.98	6.15	4.16	9.97	2.67
VARIABLE O AND M COSTS							
YEAR 2028	7.01	3.57	10.21	6.15	4.16	10.20	2.67
VARIABLE O AND M COSTS							
YEAR 2029	7.01	3.57	10.44	6.15	4.16	10.42	2.67
VARIABLE O AND M COSTS							
YEAR 2030	7.01	3.57	10.67	6.15	4.16	10.66	2.67
VARIABLE O AND M COSTS							
YEAR 2031	7.01	3.57	10.90	6.15	4.16	10.89	2.67
VARIABLE O AND M COSTS							
YEAR 2032	7.01	3.57	11.14	6.15	4.16	11.13	2.67
VARIABLE O AND M COSTS							
YEAR 2033	7.01	3.57	11.38	6.15	4.16	11.36	2.67
VARIABLE O AND M COSTS							
YEAR 2034	7.01	3.57	11.63	6.15	4.16	11.61	2.67
VARIABLE O AND M COSTS							
YEAR 2035	7.01	3.57	11.88	6.15	4.16	11.86	2.67
VARIABLE O AND M COSTS							
YEAR 2036	7.01	3.57	12.14	6.15	4.16	12.12	2.67
VARIABLE O AND M COSTS							
YEAR 2037	7.01	3.57	12.40	6.15	4.16	12.38	2.67
VARIABLE O AND M COSTS							
YEAR 2038	7.01	3.57	3.56	6.15	4.16	4.16	2.67
VARIABLE O AND M COSTS							
YEAR 2039							
YEAR 2040							
THEMAL UNIT	109	110	111	112	113	114	115
	CC_2X1FA 1	CC_1X17H 1	BS2_CC 1	0	0	CT_GETFA 1	CT_GETFA 1
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ANCILLARY REVENUE RATE							

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP_INPRT.THERMAL UNIT.

THERMAL UNIT	109	110	111	112	113	114	115
YEAR 2019	CC 2X1FA 1	CC 1X1/H 1	BS2_CC 1				
FIXED ANNUAL CAPACITY RATE	\$/KW/YR 9.51	15.01	21.30	0.00	0.00	5.17	8.28
VARIABLE O AND M COSTS	\$/MWH 3.49	3.64	3.58	0.00	0.00	3.07	9.03
YEAR 2020							
FIXED ANNUAL CAPACITY RATE	\$/KW/YR 9.51	15.01	21.89	0.00	0.00	5.17	8.28
VARIABLE O AND M COSTS	\$/MWH 3.49	3.64	3.67	0.00	0.00	3.07	9.03
YEAR 2021							
FIXED ANNUAL CAPACITY RATE	\$/KW/YR 9.51	15.01	22.50	0.00	0.00	5.17	8.28
VARIABLE O AND M COSTS	\$/MWH 3.49	3.64	3.76	0.00	0.00	3.07	9.03
YEAR 2022							
FIXED ANNUAL CAPACITY RATE	\$/KW/YR 9.51	15.01	23.12	0.00	0.00	5.17	8.28
VARIABLE O AND M COSTS	\$/MWH 3.49	3.64	3.86	0.00	0.00	3.07	9.03
YEAR 2023							
FIXED ANNUAL CAPACITY RATE	\$/KW/YR 9.51	15.01	23.76	0.00	0.00	5.17	8.28
VARIABLE O AND M COSTS	\$/MWH 3.49	3.64	3.95	0.00	0.00	3.07	9.03
YEAR 2024							
FIXED ANNUAL CAPACITY RATE	\$/KW/YR 9.51	15.01	24.43	0.00	0.00	5.17	8.28
VARIABLE O AND M COSTS	\$/MWH 3.49	3.64	4.04	0.00	0.00	3.07	9.03
YEAR 2025							
FIXED ANNUAL CAPACITY RATE	\$/KW/YR 9.51	15.01	25.11	0.00	0.00	5.17	8.28
VARIABLE O AND M COSTS	\$/MWH 3.49	3.64	4.14	0.00	0.00	3.07	9.03
YEAR 2026							
FIXED ANNUAL CAPACITY RATE	\$/KW/YR 9.51	15.01	25.82	0.00	0.00	5.17	8.28
VARIABLE O AND M COSTS	\$/MWH 3.49	3.64	4.23	0.00	0.00	3.07	9.03
YEAR 2027							
FIXED ANNUAL CAPACITY RATE	\$/KW/YR 9.51	15.01	26.54	0.00	0.00	5.17	8.28
VARIABLE O AND M COSTS	\$/MWH 3.49	3.64	4.33	0.00	0.00	3.07	9.03
YEAR 2028							
FIXED ANNUAL CAPACITY RATE	\$/KW/YR 9.51	15.01	27.27	0.00	0.00	5.17	8.28
VARIABLE O AND M COSTS	\$/MWH 3.49	3.64	4.43	0.00	0.00	3.07	9.03
YEAR 2029							
FIXED ANNUAL CAPACITY RATE	\$/KW/YR 9.51	15.01	28.03	0.00	0.00	5.17	8.28
VARIABLE O AND M COSTS	\$/MWH 3.49	3.64	4.53	0.00	0.00	3.07	9.03
YEAR 2030							
FIXED ANNUAL CAPACITY RATE	\$/KW/YR 9.51	15.01	28.81	0.00	0.00	5.17	8.28
VARIABLE O AND M COSTS	\$/MWH 3.49	3.64	4.63	0.00	0.00	3.07	9.03
YEAR 2031							
FIXED ANNUAL CAPACITY RATE	\$/KW/YR 9.51	15.01	29.61	0.00	0.00	5.17	8.28
VARIABLE O AND M COSTS	\$/MWH 3.49	3.64	4.73	0.00	0.00	3.07	9.03
YEAR 2032							
FIXED ANNUAL CAPACITY RATE	\$/KW/YR 9.51	15.01	30.45	0.00	0.00	5.17	8.28
VARIABLE O AND M COSTS	\$/MWH 3.49	3.64	4.83	0.00	0.00	3.07	9.03
YEAR 2033							
FIXED ANNUAL CAPACITY RATE	\$/KW/YR 9.51	15.01	31.31	0.00	0.00	5.17	8.28
VARIABLE O AND M COSTS	\$/MWH 3.49	3.64	4.93	0.00	0.00	3.07	9.03
YEAR 2034							
FIXED ANNUAL CAPACITY RATE	\$/KW/YR 9.51	15.01	32.22	0.00	0.00	5.17	8.28
VARIABLE O AND M COSTS	\$/MWH 3.49	3.64	5.04	0.00	0.00	3.07	9.03
YEAR 2035							
FIXED ANNUAL CAPACITY RATE	\$/KW/YR 9.51	15.01	33.15	0.00	0.00	5.17	8.28
VARIABLE O AND M COSTS	\$/MWH 3.49	3.64	5.15	0.00	0.00	3.07	9.03
YEAR 2036							
FIXED ANNUAL CAPACITY RATE	\$/KW/YR 9.51	15.01	34.10	0.00	0.00	5.17	8.28
VARIABLE O AND M COSTS	\$/MWH 3.49	3.64	5.26	0.00	0.00	3.07	9.03
YEAR 2037							
FIXED ANNUAL CAPACITY RATE	\$/KW/YR 9.51	15.01	35.08	0.00	0.00	5.17	8.28
VARIABLE O AND M COSTS	\$/MWH 3.49	3.64	5.38	0.00	0.00	3.07	9.03
YEAR 2038							
FIXED ANNUAL CAPACITY RATE	\$/KW/YR 9.51	15.01	36.11	0.00	0.00	5.17	8.28
VARIABLE O AND M COSTS	\$/MWH 3.49	3.64	5.49	0.00	0.00	3.07	9.03
YEAR 2039							
FIXED ANNUAL CAPACITY RATE	\$/KW/YR 9.51	15.01	37.16	0.00	0.00	5.17	8.28
VARIABLE O AND M COSTS	\$/MWH 3.49	3.64	5.61	0.00	0.00	3.07	9.03
YEAR 2040							
FIXED ANNUAL CAPACITY RATE	\$/KW/YR 9.51	15.01	38.25	0.00	0.00	5.17	8.28
VARIABLE O AND M COSTS	\$/MWH 3.49	3.64	5.73	0.00	0.00	3.07	9.03
THERMAL UNIT	117	118	BS2_FGD 124 2	BS1_FGD 125 1	CSV5_SCR 126 5	CSV6_SCR 127 6	CR1_MGSC 129 1
YEAR 2011							
FIXED ANNUAL CAPACITY RATE	\$/MWH 0.00	0.00	0.00	0.00	0.00	0.00	0.00
ANCILLARY REVENUE RATE	\$/MWH 0.00	0.00	0.00	0.00	0.00	0.00	0.00

AVERAGE HEAT RATE AT MAXIMUM	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MINIMUM	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG HEAT RATE MAXIMUM SEASONAL P		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVG HEAT RATE MINIMUM SEASONAL P		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BID PRICE AT INCREMENTAL	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL P		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BID PRICE MINIMUM SEASONAL POINT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAPACITY REVENUE PROFILE	\$/KW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY REVENUE RATE	\$/KW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY SEGMENT PROFILE	\$000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPITAL COSTS		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DERATION LIBRARY POINTER		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DISPATCH PENALTY AT MAXIMUM		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
DISPATCH PENALTY AT MINIMUM		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ENERGY MARGIN CAPACITY FACTOR		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED ANNUAL CAPACITY RATE	\$/KW/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	\$/KW/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL CAPACITY RATE	\$/KW/SEA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HEAT RATE PROFILE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEAT RATE REQUIREMENT	WKS/YEAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAINTENANCE REQUIREMENT		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MAINTENANCE SEASONAL METHOD		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAINTENANCE SEASONAL POINTER		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MATURE FORCED OUTAGE RATE	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MATURE OUTAGE RATE SEASONAL PROF		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MINIMUM CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MUST RUN INDICATOR		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PARTIAL OUTAGE RATE	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PARTIAL OUTAGE RATE SEASONAL PRO		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RENEWABLE ENERGY CREDIT	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEASONAL VARIABLE COST PROFILE	RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MMH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
----- YEAR 2012 -----																
FIXED COSTS	\$/000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MATURE FORCED OUTAGE RATE	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PERCENT FIRM	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
----- YEAR 2013 -----																
FIXED COSTS	\$/000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MATURE FORCED OUTAGE RATE	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PERCENT FIRM	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
----- YEAR 2014 -----																
FIXED COSTS	\$/000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MATURE FORCED OUTAGE RATE	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PERCENT FIRM	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
----- YEAR 2015 -----																
FIXED COSTS	\$/000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MATURE FORCED OUTAGE RATE	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PERCENT FIRM	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
----- YEAR 2016 -----																
FIXED COSTS	\$/000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MATURE FORCED OUTAGE RATE	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PERCENT FIRM	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		117	118	124	125	126	127	129
		0	0	BS2_FGD 2	BS1_FGD 1	CSV5_SCR 5	CSV6_SCR 6	CRL_NGCC 1
FIXED COSTS	YEAR 2017	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR
		0.00	0.00	0.00	27956.00	0.00	0.00	0.00
		0.00	0.00	0.00	5.98	4.24	4.09	4.00
		0.00	0.00	0.00	94.02	92.36	95.76	96.00
		0.00	0.00	0.00	33693.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2018	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR
		0.00	0.00	0.00	30884.00	11112.00	12385.00	0.00
FIXED COSTS	YEAR 2019	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR
		0.00	0.00	0.00	30667.00	0.00	0.00	0.00
		0.00	0.00	0.00	5.98	4.24	4.09	4.00
		0.00	0.00	0.00	94.02	92.36	95.76	96.00
		0.00	0.00	0.00	30884.00	11112.00	12385.00	0.00
FIXED COSTS	YEAR 2020	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR
		0.00	0.00	0.00	30884.00	11112.00	12385.00	0.00
FIXED COSTS	YEAR 2021	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR
		0.00	0.00	0.00	33496.00	18177.00	22001.00	0.00
FIXED COSTS	YEAR 2022	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR
		0.00	0.00	0.00	35737.00	24582.00	26162.00	0.00
FIXED COSTS	YEAR 2023	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR
		0.00	0.00	0.00	37287.00	30330.00	34547.00	0.00
FIXED COSTS	YEAR 2024	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR
		0.00	0.00	0.00	37793.00	34769.00	40838.00	0.00
FIXED COSTS	YEAR 2025	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR
		0.00	0.00	0.00	39540.00	41866.00	47551.00	0.00
FIXED COSTS	YEAR 2026	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR
		0.00	0.00	0.00	41330.00	46268.00	52489.00	0.00
FIXED COSTS	YEAR 2027	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR
		0.00	0.00	0.00	42963.00	52157.00	59756.00	0.00
FIXED COSTS	YEAR 2028	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR
		0.00	0.00	0.00	44549.00	59322.00	68602.00	0.00
FIXED COSTS	YEAR 2029	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR
		0.00	0.00	0.00	46082.00	64141.00	73207.00	0.00
FIXED COSTS	YEAR 2030	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR
		0.00	0.00	0.00	47850.00	70806.00	79663.00	0.00
FIXED COSTS	YEAR 2031	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR
		0.00	0.00	0.00	49100.00	76807.00	87421.00	0.00
FIXED COSTS	YEAR 2032	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR
		0.00	0.00	0.00	50612.00	84015.00	96051.00	0.00
FIXED COSTS	YEAR 2033	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR
		0.00	0.00	0.00	51987.00	89978.00	102301.00	0.00
FIXED COSTS	YEAR 2034	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR
		0.00	0.00	0.00	52163.00	96560.00	112564.00	0.00
FIXED COSTS	YEAR 2035	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR
		0.00	0.00	0.00	52996.00	105877.00	118381.00	0.00
FIXED COSTS	YEAR 2036	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR
		0.00	0.00	0.00	52900.00	110462.00	126396.00	0.00
FIXED COSTS	YEAR 2037	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR
		0.00	0.00	0.00	54585.00	117439.00	133475.00	0.00
FIXED COSTS	YEAR 2038	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR
		0.00	0.00	0.00	54276.00	126202.00	143842.00	0.00
FIXED COSTS	YEAR 2039	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR
		0.00	0.00	0.00	56229.00	132072.00	150119.00	0.00
FIXED COSTS	YEAR 2040	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR
		0.00	0.00	0.00	259934.00	871608.00	988756.00	0.00
THERMAL UNIT								
		CR2_NGCC 2	MRS_NGCC 5	MRS_FGD 5	RP1D_IM 1	RP2D_IM 2	TRNA_FGD 4	RP1D_KP 1
YEAR 2011								
ANCILLARY REVENUE RATE		\$/MWH	\$/MWH	\$/MWH	\$/MWH	\$/MWH	\$/MWH	\$/MWH
AVERAGE HEAT RATE AT MAXIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MINIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG HEAT RATE MAXIMUM SEASONAL		0	0	0	0	0	0	0
AVG HEAT RATE MINIMUM SEASONAL		0	0	0	0	0	0	0
BID PRICE AT INCREMENTAL		\$/MWH	\$/MWH	\$/MWH	\$/MWH	\$/MWH	\$/MWH	\$/MWH
BID PRICE AT MINIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR		%	%	%	%	%	%	%
BID PRICE INCREMENTAL SEASONAL		0	0	0	0	0	0	0
BID PRICE MINIMUM SEASONAL		0	0	0	0	0	0	0
CAPACITY REVENUE PROFILE		\$/KW	\$/KW	\$/KW	\$/KW	\$/KW	\$/KW	\$/KW
		0.00	0.00	0.00	0.00	0.00	0.00	0.00

CAPACITY SEGMENT PROFILE																					
CAPITAL COSTS	\$000	185	186	134	146	147	175	0													
DEPARTION LIBRARY POINTER		0.00	0.00	0.00	0.00	0.00	0.00	0.00													
DISPATCH PENALTY AT MAXIMUM		1.00	1.00	1.00	1.00	1.00	1.00	1.00													
DISPATCH PENALTY AT MINIMUM		1.00	1.00	1.00	1.00	1.00	1.00	1.00													
ENERGY MARGIN CAPACITY FACTOR		0.00	0.00	0.00	0.00	0.00	0.00	0.00													
FIXED ANNUAL CAPACITY RATE	\$/MW/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00													
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00													
FIXED SEASONAL CAPACITY RATE	\$/MW/SEA	9.51	9.51	0.00	0.00	0.00	0.00	0.00													
HEAT RATE PROFILE		0	0	0	0	0	0	0													
HEAT RATE PROFILE		185	186	50	167	168	147	0													
MAINTENANCE REQUIREMENT	WKS/YEAR	4.00	4.00	4.00	0.00	0.00	0.00	0.00													
MAINTENANCE SEASONAL METHOD		1	1	1	1	1	1	1													
MAINTENANCE SEASONAL POINTER		0	0	0	0	0	0	0													
MATURE FORCED OUTAGE RATE	%	4.00	4.00	6.00	6.74	6.31	16.44	6.74													
MATURE FORCED OUTAGE RATE		0	0	0	0	0	0	0													
MAXIMUM CAPACITY	MW	212.00	510.00	591.00	1126.00	1090.00	492.00	193.00													
MINIMUM CAPACITY	MW	60.00	255.00	400.00	510.00	359.00	295.00	193.00													
MOST RUN INDICATOR		0	1	1	1	1	1	0													
PARTIAL OUTAGE RATE	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00													
PARTIAL OUTAGE RATE SEASONAL PRO	%	0	0	0	0	0	0	0													
PERCENT FIRM	%	96.00	96.00	92.50	93.26	93.69	83.56	93.26													
PERMANENT ENERGY CREDIT	PERCENT FIRM	0.00	0.00	0.00	0.00	0.00	0.00	0.00													
SEASONAL VARIABLE COST PROFILE	RATIO	0	0	0	0	0	0	0													
VARIABLE O AND M COSTS	\$/MWH	3.49	3.49	8.18	9.44	0.69	3.25	7.76													
----- YEAR 2012 -----																					
MATURE FORCED OUTAGE RATE	%	4.00	4.00	6.00	6.92	6.77	17.05	6.92													
PERCENT FIRM	%	96.00	96.00	94.00	93.08	93.23	82.95	93.08													
VARIABLE O AND M COSTS	\$/MWH	3.49	3.49	8.33	9.59	0.70	3.25	7.88													
----- YEAR 2013 -----																					
MATURE FORCED OUTAGE RATE	%	4.00	4.00	6.00	6.77	7.24	19.54	6.77													
PERCENT FIRM	%	96.00	96.00	93.00	93.23	92.76	80.46	93.23													
VARIABLE O AND M COSTS	\$/MWH	3.49	3.49	8.48	9.82	0.72	3.25	8.09													
----- YEAR 2014 -----																					
PERCENT FIRM	%	96.00	96.00	94.50	93.23	92.76	80.46	93.23													
VARIABLE O AND M COSTS	\$/MWH	3.49	3.49	8.64	10.10	0.73	3.25	8.22													
----- YEAR 2015 -----																					
PERCENT FIRM	%	96.00	96.00	94.00	93.23	92.76	80.46	93.23													
VARIABLE O AND M COSTS	\$/MWH	3.49	3.49	8.80	10.28	0.75	3.25	8.39													
----- YEAR 2016 -----																					
FIXED COSTS	\$000/YR	0.00	0.00	42601.00	12488.00	0.00	0.00	8350.00													
MATURE FORCED OUTAGE RATE	%	4.00	4.00	6.50	6.77	7.24	19.54	6.77													
PERCENT FIRM	%	96.00	96.00	93.50	93.23	92.76	80.46	93.23													
VARIABLE O AND M COSTS	\$/MWH	3.49	3.49	8.97	10.45	0.76	3.25	8.48													
----- YEAR 2017 -----																					
DEPARTION LIBRARY POINTER		121	121	50	59	59	69	59													
FIXED COSTS	\$000/YR	0.00	0.00	45867.00	32152.00	0.00	0.00	11203.00													
MATURE FORCED OUTAGE RATE	%	4.00	4.00	6.50	6.77	7.24	19.54	6.77													
PERCENT FIRM	%	96.00	96.00	94.50	93.23	92.76	80.46	93.23													
VARIABLE O AND M COSTS	\$/MWH	3.49	3.49	9.14	10.66	0.78	3.25	8.65													
----- YEAR 2018 -----																					
FIXED COSTS	\$000/YR	0.00	0.00	46810.00	32396.00	0.00	0.00	11186.00													
MATURE FORCED OUTAGE RATE	%	4.00	4.00	6.00	6.77	7.24	19.54	6.77													
PERCENT FIRM	%	96.00	96.00	94.00	93.23	92.76	80.46	93.23													
VARIABLE O AND M COSTS	\$/MWH	3.49	3.49	9.31	10.87	0.80	3.25	8.80													

NOTE: DATA DISPLAYED APRR 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAR.INPUT.THERMAL UNIT.

THEMAL UNIT	130	131	132	133	134	135	136
	CR2_NGOC 2	MRS_NGOC 5	MRS_FGD 5	RPID_TM 1	RPID_TM 2	TAN4_FGD 4	RPID_KP 1
----- YEAR 2019 -----							
FIXED COSTS	\$000/YR	0.00	48098.00	28107.00	0.00	0.00	10630.00
NATURE FORCED OUAAGE RATE	%	4.00	4.00	6.59	7.24	9.54	6.77
PERCENT FIRM	%	96.00	96.00	93.50	93.23	92.76	80.46
VARIABLE O AND M COSTS	\$/MMH	3.49	3.49	9.49	11.06	0.82	3.25
----- YEAR 2020 -----							
FIXED COSTS	\$000/YR	0.00	49427.00	34154.00	31316.00	0.00	11145.00
NATURE FORCED OUAAGE RATE	%	4.00	4.00	7.00	6.77	7.24	6.77
PERCENT FIRM	%	96.00	96.00	93.00	93.23	92.76	80.46
VARIABLE O AND M COSTS	\$/MMH	3.49	3.49	9.68	11.27	0.84	3.25
----- YEAR 2021 -----							
FIXED COSTS	\$000/YR	0.00	50237.00	38905.00	40228.00	0.86	11095.00
VARIABLE O AND M COSTS	\$/MMH	3.49	3.49	9.86	11.48	0.86	3.25
----- YEAR 2022 -----							
FIXED COSTS	\$000/YR	0.00	51000.00	43490.00	42074.00	0.88	12231.00
VARIABLE O AND M COSTS	\$/MMH	3.49	3.49	10.06	11.70	0.88	3.25
----- YEAR 2023 -----							
FIXED COSTS	\$000/YR	0.00	51794.00	48339.00	45183.00	0.90	14443.00
VARIABLE O AND M COSTS	\$/MMH	3.49	3.49	10.23	11.91	0.90	3.25
----- YEAR 2024 -----							
FIXED COSTS	\$000/YR	0.00	52614.00	46003.00	50809.00	0.92	13953.00
VARIABLE O AND M COSTS	\$/MMH	3.49	3.49	10.45	12.14	0.92	3.25
----- YEAR 2025 -----							
FIXED COSTS	\$000/YR	0.00	53437.00	50472.00	49952.00	0.94	14525.00
VARIABLE O AND M COSTS	\$/MMH	3.49	3.49	10.65	12.36	0.94	3.25
----- YEAR 2026 -----							
FIXED COSTS	\$000/YR	0.00	54281.00	52630.00	54606.00	0.96	13686.00
VARIABLE O AND M COSTS	\$/MMH	3.49	3.49	10.85	12.59	0.96	3.25
----- YEAR 2027 -----							
FIXED COSTS	\$000/YR	0.00	55142.00	56762.00	50654.00	0.99	14768.00
VARIABLE O AND M COSTS	\$/MMH	3.49	3.49	11.06	12.82	0.99	3.25
----- YEAR 2028 -----							
FIXED COSTS	\$000/YR	0.00	56018.00	58407.00	55179.00	1.01	14275.00
VARIABLE O AND M COSTS	\$/MMH	3.49	3.49	11.27	13.06	1.01	3.25
----- YEAR 2029 -----							
FIXED COSTS	\$000/YR	0.00	56911.00	66956.00	52462.00	1.03	16129.00
VARIABLE O AND M COSTS	\$/MMH	3.49	3.49	11.48	13.30	1.03	3.25
----- YEAR 2030 -----							
FIXED COSTS	\$000/YR	0.00	57822.00	66040.00	55614.00	1.05	15979.00
VARIABLE O AND M COSTS	\$/MMH	3.49	3.49	11.70	13.55	1.05	3.25
----- YEAR 2031 -----							
FIXED COSTS	\$000/YR	0.00	58750.00	67988.00	61335.00	1.08	15230.00
VARIABLE O AND M COSTS	\$/MMH	3.49	3.49	11.92	13.80	1.08	3.25
----- YEAR 2032 -----							
FIXED COSTS	\$000/YR	0.00	59697.00	72699.00	58273.00	1.10	14904.00
VARIABLE O AND M COSTS	\$/MMH	3.49	3.49	12.14	14.05	1.10	3.25
----- YEAR 2033 -----							
FIXED COSTS	\$000/YR	0.00	60662.00	74830.00	58936.00	1.12	15796.00
VARIABLE O AND M COSTS	\$/MMH	3.49	3.49	12.37	14.31	1.12	3.25
----- YEAR 2034 -----							
FIXED COSTS	\$000/YR	0.00	61645.00	79589.00	58995.00	1.15	14917.00
VARIABLE O AND M COSTS	\$/MMH	3.49	3.49	12.61	14.57	1.15	3.25
----- YEAR 2035 -----							
FIXED COSTS	\$000/YR	0.00	62647.00	87242.00	61127.00	1.17	14995.00
VARIABLE O AND M COSTS	\$/MMH	3.49	3.49	12.85	14.84	1.17	3.25
----- YEAR 2036 -----							
FIXED COSTS	\$000/YR	0.00	39025.00	72766.00	65968.00	1.20	12322.00
VARIABLE O AND M COSTS	\$/MMH	3.49	3.49	13.09	15.12	1.20	3.25
----- YEAR 2037 -----							
FIXED COSTS	\$000/YR	0.00	36875.00	70165.00	62501.00	1.22	10734.00
VARIABLE O AND M COSTS	\$/MMH	3.49	3.49	13.34	15.39	1.22	3.25
----- YEAR 2038 -----							
FIXED COSTS	\$000/YR	0.00	37585.00	70582.00	66847.00	1.25	11279.00
VARIABLE O AND M COSTS	\$/MMH	3.49	3.49	13.59	15.68	1.25	3.25
----- YEAR 2039 -----							
FIXED COSTS	\$000/YR	0.00	37670.00	75274.00	64536.00	1.28	10474.00
VARIABLE O AND M COSTS	\$/MMH	3.49	3.49	13.85	15.97	1.28	3.25
----- YEAR 2040 -----							
FIXED COSTS	\$000/YR	0.00	94557.00	445684.00	301772.00	0.00	25523.00
VARIABLE O AND M COSTS	\$/MMH	3.49	3.49	14.11	16.26	1.30	3.25
----- THERMAL UNIT -----							
	RP2D_KP	TC4_ESP	A390% AP	A390%OP	MTR_90%	RPT1_90%	RPRT2_90%
	137	144	145	146	147	148	149

YEAR 2011		YEAR 2012		YEAR 2013		YEAR 2014		YEAR 2015	
ACILIARY REVENUE RATE	\$/MMH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MAXIMUM	BTU/KWH	9.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MINIMUM	BTU/KWH	9.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG HEAT RATE MAXIMUM SEASONAL P	\$/MMH	0	0	0	0	0	0	0	0
AVG HEAT RATE MINIMUM SEASONAL P	\$/MMH	0	0	0	0	0	0	0	0
BID PRICE AT INCREMENTAL	\$/MMH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM	\$/MMH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL P		0	0	0	0	0	0	0	0
BID PRICE MINIMUM SEASONAL POINT		0	0	0	0	0	0	0	0
CAPACITY REVENUE PROFILE	\$/KW	0	0	0	0	0	0	0	0
CAPACITY REVENUE RATE	\$/KW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY SEGMENT PROFILE		0	69	0	167	0	121	0	170
CAPITAL COSTS	\$/000	0	0	0	0	0	0	0	0
DERATION LIBRARY POINTER		59	69	3	3	98	58	59	59
DISPATCH PENALTY AT MAXIMUM		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
DISPATCH PENALTY AT MINIMUM		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ENERGY MARGIN CAPACITY FACTOR	\$/KW/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED ANNUAL CAPACITY RATE	\$/000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	\$/KW/SEA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL CAPACITY RATE		0	0	0	0	0	0	0	0
HEAT RATE PROFILE		0	69	174	174	175	176	177	0
MAINTENANCE REQUIREMENT	WKS/YEAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAINTENANCE SEASONAL METHOD		1	1	1	1	1	1	1	1
MAINTENANCE SEASONAL POINT		0	0	0	0	0	0	0	0
MATURE FORCED OUTAGE RATE	%	6.31	16.74	4.76	4.76	5.22	6.74	6.31	6.31
MAXIMUM CAPACITY	MW	193.00	500.00	368.30	736.67	1125.00	1087.00	1070.00	1070.00
MINIMUM CAPACITY	MW	193.00	300.00	368.30	382.00	600.00	815.00	815.00	815.00
MIST RUN INDICATOR		0	0	1	1	1	1	1	1
PARTIAL OUTAGE RATE	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PARTIAL OUTAGE RATE SEASONAL PRO	%	0	0	0	0	0	0	0	0
PERCENT FIRM	RATIO	93.69	83.56	95.24	95.24	94.78	93.26	93.69	93.69
RENEWABLE ENERGY CREDIT		0	0	0	0	0	0	0	0
SEASONAL VARIABLE COST PROFILE	\$/MMH	0	0	0	0	0	0	0	0
VARIABLE O AND M COSTS	\$/MMH	0.69	3.25	6.64	6.64	6.64	6.19	5.89	5.89
YEAR 2012									
FIXED COSTS	\$/000/YR	0.00	0.00	43716.21	12196.69	29605.59	0.00	0.00	0.00
MATURE FORCED OUTAGE RATE	%	6.77	17.05	4.58	4.58	5.03	6.92	6.77	6.77
PERCENT FIRM	%	93.23	82.95	95.42	95.42	94.97	93.08	93.23	93.23
VARIABLE O AND M COSTS	\$/MMH	0.70	3.25	6.64	6.64	6.64	6.19	5.89	5.89
YEAR 2013									
FIXED COSTS	\$/000/YR	0.00	0.00	53622.27	21432.37	35115.84	0.00	0.00	0.00
MATURE FORCED OUTAGE RATE	%	7.24	19.94	4.59	4.59	4.99	6.77	7.24	7.24
PERCENT FIRM	%	92.76	80.46	95.45	95.45	95.01	93.23	92.76	92.76
VARIABLE O AND M COSTS	\$/MMH	0.72	3.25	6.64	6.64	6.64	6.19	5.89	5.89
YEAR 2014									
FIXED COSTS	\$/000/YR	0.00	0.00	46278.29	19567.19	53294.17	0.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MMH	0.73	3.25	6.64	6.64	6.64	6.19	5.89	5.89
YEAR 2015									
FIXED COSTS	\$/000/YR	0.00	0.00	57362.63	26103.08	45879.80	0.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MMH	0.75	3.25	6.64	6.64	6.64	6.19	5.89	5.89

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER - GAF.INPUT.THERMAL UNIT.

THEMAL UNIT	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	
FIXED COSTS	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	\$000/YR	
VARIABLE O AND M COSTS	\$/MMH	\$/MMH	\$/MMH	\$/MMH	\$/MMH	\$/MMH	\$/MMH	\$/MMH	\$/MMH	\$/MMH	\$/MMH	\$/MMH	\$/MMH	\$/MMH	\$/MMH	\$/MMH	\$/MMH	\$/MMH	\$/MMH	\$/MMH	\$/MMH	\$/MMH	\$/MMH	\$/MMH	
DERATION LIBRARY POINTER																									
FIXED COSTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
VARIABLE O AND M COSTS	0.76	0.78	0.80	0.82	0.84	0.86	0.88	0.90	0.92	0.94	0.96	0.99	1.01	1.03	1.05	1.08	1.10	1.12	1.15	1.17	1.20	1.22	1.25	1.25	
FIXED COSTS	67579.17	68323.79	57186.02	68800.85	64944.07	68606.87	72604.18	72819.76	76601.47	88626.22	91235.02	94153.86	97079.59	100016.08	103067.47	103194.00	104880.97	104972.18	106253.63	107510.37	107532.63	110065.30	112670.43	112670.43	
VARIABLE O AND M COSTS	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	
FIXED COSTS	33387.89	40702.05	38264.98	41682.87	37988.84	43775.85	45880.61	47328.14	49873.90	11659.01	12781.52	20250.06	21291.62	22774.73	17458.61	14658.88	21706.55	17021.04	15062.34	68825.85	5479.40	8997.21	59044.96	1271.45	65166.14
VARIABLE O AND M COSTS	6.64	6.64	6.64	6.64	6.64	6.64	6.64	6.64	6.64	6.64	6.64	6.64	6.64	6.64	6.64	6.64	6.64	6.64	6.64	6.64	6.64	6.64	6.64	6.64	6.64
FIXED COSTS	86618.34	73117.19	87219.08	80550.57	86465.66	91550.24	63191.60	63474.61	71955.60	69202.64	91234.39	73539.90	81342.54	81342.54	88078.74	80023.92	76195.13	67427.20	68825.85	61143.53	83592.85	59044.96	65166.14	65166.14	
VARIABLE O AND M COSTS	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	
FIXED COSTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
VARIABLE O AND M COSTS	5.89	5.89	5.89	5.89	5.89	5.89	5.89	5.89	5.89	5.89	5.89	5.89	5.89	5.89	5.89	5.89	5.89	5.89	5.89	5.89	5.89	5.89	5.89	5.89	

4-Company East Optimization

YEAR 2010		YEAR 2011		YEAR 2012		YEAR 2013	
FIXED COSTS	\$000/YR	10663.00	0.00	114701.17	8536.66	61218.57	0.00
VARIABLE O AND M COSTS	\$/MWH	1.28	3.25	6.64	6.64	6.64	5.89
THERMAL UNIT							
FIXED COSTS	\$000/YR	57885.00	0.00	330344.00	254527.97	511774.31	0.00
VARIABLE O AND M COSTS	\$/MWH	1.30	3.25	6.64	6.64	6.64	6.19
THERMAL UNIT							
FIXED COSTS	\$000/YR	150	151	153	154	155	156
VARIABLE O AND M COSTS	\$/MWH	1.30	1.51	1.81	1.81	1.81	1.81
THERMAL UNIT							
FIXED COSTS	\$000/YR	15440.11	0.00	29605.59	0.00	0.00	0.00
VARIABLE FORCED OUTAGE RATE	%	6.82	5.09	5.03	4.00	3.00	3.00
PERCENT FIRM	%	93.18	94.91	94.97	96.00	97.00	97.00
YEAR 2013							
FIXED COSTS	\$000/YR	14326.69	0.00	35115.84	0.00	0.00	0.00
VARIABLE FORCED OUTAGE RATE	%	7.74	5.05	4.99	4.00	3.00	3.00
PERCENT FIRM	%	92.26	94.95	95.01	96.00	97.00	97.00

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP_INPUT.THERMAL_UNIT.

THERMAL UNIT		150	151	153	154	155	156	157
		GV1_90%	GV2_90%	MRN_18%	CC_PA_KP	CT_ORHIO	CC_OR	CT_I&W
		1	2	1	1	1	1	1
-----	YEAR 2014	34782.15	0.00	53294.17	0.00	0.00	0.00	0.00
-----	FIXED COSTS							
-----	YEAR 2015	30441.83	0.00	45879.80	0.00	0.00	0.00	0.00
-----	FIXED COSTS							
-----	YEAR 2016	54365.89	0.00	86618.34	0.00	0.00	0.00	0.00
-----	FIXED COSTS							
-----	YEAR 2017	45707.44	0.00	73117.19	0.00	0.00	0.00	0.00
-----	FIXED COSTS							
-----	YEAR 2018	54842.56	0.00	87219.08	0.00	0.00	0.00	0.00
-----	FIXED COSTS							
-----	YEAR 2019	49729.78	0.00	80550.57	0.00	0.00	0.00	0.00
-----	FIXED COSTS							
-----	YEAR 2020	57120.38	0.00	86465.66	0.00	0.00	0.00	0.00
-----	FIXED COSTS							
-----	YEAR 2021	59254.23	0.00	91550.24	0.00	0.00	0.00	0.00
-----	FIXED COSTS							
-----	YEAR 2022	62912.33	0.00	63191.60	0.00	0.00	0.00	0.00
-----	FIXED COSTS							
-----	YEAR 2023	1975.62	0.00	63474.61	0.00	0.00	0.00	0.00
-----	FIXED COSTS							
-----	YEAR 2024	10272.09	0.00	71955.60	0.00	0.00	0.00	0.00
-----	FIXED COSTS							
-----	YEAR 2025	5499.72	0.00	69202.64	0.00	0.00	0.00	0.00
-----	FIXED COSTS							
-----	YEAR 2026	13096.68	0.00	91234.39	0.00	0.00	0.00	0.00
-----	FIXED COSTS							
-----	YEAR 2027	9780.18	0.00	73539.90	0.00	0.00	0.00	0.00
-----	FIXED COSTS							
-----	YEAR 2028	19118.17	0.00	81342.54	0.00	0.00	0.00	0.00
-----	FIXED COSTS							
-----	YEAR 2029	13957.95	0.00	79760.94	0.00	0.00	0.00	0.00
-----	FIXED COSTS							
-----	YEAR 2030	22009.21	0.00	88078.74	0.00	0.00	0.00	0.00
-----	FIXED COSTS							
-----	YEAR 2031	16807.61	0.00	80023.92	0.00	0.00	0.00	0.00
-----	FIXED COSTS							
-----	YEAR 2032	23394.33	0.00	76195.13	0.00	0.00	0.00	0.00
-----	FIXED COSTS							
-----	YEAR 2033	17259.00	0.00	67427.20	0.00	0.00	0.00	0.00
-----	FIXED COSTS							
-----	YEAR 2034	21098.00	0.00	68825.85	0.00	0.00	0.00	0.00
-----	FIXED COSTS							
-----	YEAR 2035	7295.00	0.00	61143.53	0.00	0.00	0.00	0.00
-----	FIXED COSTS							
-----	YEAR 2036	5614.73	0.00	83592.85	0.00	0.00	0.00	0.00
-----	FIXED COSTS							
-----	YEAR 2037	-649.82	0.00	59044.96	0.00	0.00	0.00	0.00
-----	FIXED COSTS							
-----	YEAR 2038	6609.94	0.00	65166.14	0.00	0.00	0.00	0.00
-----	FIXED COSTS							
-----	YEAR 2039	-2273.19	0.00	61218.57	0.00	0.00	0.00	0.00
-----	FIXED COSTS							
-----	YEAR 2040	42976.09	0.00	51174.31	0.00	0.00	0.00	0.00
-----	FIXED COSTS							
THERMAL UNIT		CC_I&M	CT_ARCO	CC_ARCO	CT_KPCCO	CC_KPCCO	BS2_FGD	BS2_FGD
		158	159	160	161	162	163	164
		1	1	1	1	1	1	5
----- YEAR 2011 -----		0.00	0.00	0.00	0.00	0.00	0.00	0.00
ANCIILARY REVENUE RATE		7.04	12.16	7.04	12.16	6.63	0.00	0.00
AVERAGE HEAT RATE AT MAXIMUM		7.38	12.16	7.38	12.16	7.10	0.00	0.00
AVERAGE HEAT RATE AT MINIMUM		0	0	0	0	0	0	0
AVG HEAT RATE MAXIMUM SEASONAL P		0	0	0	0	0	0	0
AVG HEAT RATE MINIMUM SEASONAL P		0	0	0	0	0	0	0
BID PRICE AT INCREMENTAL		0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR		0.00	0.00	0.00	0.00	0.00	0.00	0.00

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		158	159	160	161	162	163	164
		CC_IEM 1	CT_APCO 1	CC_APCO 1	CT_KPCO 1	CC_KPCO 1	BS2_FGD 1	BS2_FGD 5
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	65898.00	63617.00
NATURE FORCED OVIAGE RATE	%	4.00	3.00	4.00	3.00	4.00	5.50	5.50
PERCENT FIRM	%	96.00	97.00	96.00	97.00	96.00	94.50	94.50
VARIABLE O AND M COSTS	\$/MWH	3.49	9.03	3.49	9.03	3.64	3.25	6.87
YEAR 2017								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	81303.00	79000.00
NATURE FORCED OVIAGE RATE	%	4.00	3.00	4.00	3.00	4.00	6.00	6.00
PERCENT FIRM	%	96.00	97.00	96.00	97.00	96.00	94.00	94.00
VARIABLE O AND M COSTS	\$/MWH	3.49	9.03	3.49	9.03	3.64	3.31	6.99
YEAR 2018								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	73968.00	71642.00
NATURE FORCED OVIAGE RATE	%	4.00	3.00	4.00	3.00	4.00	6.50	6.50
PERCENT FIRM	%	96.00	97.00	96.00	97.00	96.00	93.50	93.50
VARIABLE O AND M COSTS	\$/MWH	3.49	9.03	3.49	9.03	3.64	3.37	7.11
YEAR 2019								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	71482.00	69132.00
NATURE FORCED OVIAGE RATE	%	4.00	3.00	4.00	3.00	4.00	7.00	7.00
PERCENT FIRM	%	96.00	97.00	96.00	97.00	96.00	93.00	93.00
VARIABLE O AND M COSTS	\$/MWH	3.49	9.03	3.49	9.03	3.64	3.43	7.24
YEAR 2020								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	74039.00	71667.00
VARIABLE O AND M COSTS	\$/MWH	3.49	9.03	3.49	9.03	3.64	3.50	7.38
YEAR 2021								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	76327.00	73931.00
VARIABLE O AND M COSTS	\$/MWH	3.49	9.03	3.49	9.03	3.64	3.57	7.52
YEAR 2022								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	78711.00	76291.00
VARIABLE O AND M COSTS	\$/MWH	3.49	9.03	3.49	9.03	3.64	3.65	7.67
YEAR 2023								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	80844.00	78399.00
VARIABLE O AND M COSTS	\$/MWH	3.49	9.03	3.49	9.03	3.64	3.72	7.82
YEAR 2024								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	83050.00	80580.00
VARIABLE O AND M COSTS	\$/MWH	3.49	9.03	3.49	9.03	3.64	3.79	7.97
YEAR 2025								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	85365.00	82870.00
VARIABLE O AND M COSTS	\$/MWH	3.49	9.03	3.49	9.03	3.64	3.87	8.12
YEAR 2026								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	87922.00	85401.00
VARIABLE O AND M COSTS	\$/MWH	3.49	9.03	3.49	9.03	3.64	3.95	8.28
YEAR 2027								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	90333.00	87787.00
VARIABLE O AND M COSTS	\$/MWH	3.49	9.03	3.49	9.03	3.64	4.02	8.44
YEAR 2028								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	92658.00	90085.00
VARIABLE O AND M COSTS	\$/MWH	3.49	9.03	3.49	9.03	3.64	4.10	8.60
YEAR 2029								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	95320.00	92721.00
VARIABLE O AND M COSTS	\$/MWH	3.49	9.03	3.49	9.03	3.64	4.18	8.76
YEAR 2030								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	95033.00	92407.00
VARIABLE O AND M COSTS	\$/MWH	3.49	9.03	3.49	9.03	3.64	4.26	8.93
YEAR 2031								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	96599.00	93945.00
VARIABLE O AND M COSTS	\$/MWH	3.49	9.03	3.49	9.03	3.64	4.35	9.10
YEAR 2032								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	96800.00	94119.00
VARIABLE O AND M COSTS	\$/MWH	3.49	9.03	3.49	9.03	3.64	4.43	9.27
YEAR 2033								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	96168.00	93458.00
VARIABLE O AND M COSTS	\$/MWH	3.49	9.03	3.49	9.03	3.64	4.52	9.45
YEAR 2034								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	93354.00	90616.00
VARIABLE O AND M COSTS	\$/MWH	3.49	9.03	3.49	9.03	3.64	4.61	9.63
YEAR 2035								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	93721.00	90954.00
VARIABLE O AND M COSTS	\$/MWH	3.49	9.03	3.49	9.03	3.64	4.70	9.81
YEAR 2036								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	95388.00	92592.00
VARIABLE O AND M COSTS	\$/MWH	3.49	9.03	3.49	9.03	3.64	4.79	10.00
YEAR 2037								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	93740.00	90914.00
VARIABLE O AND M COSTS	\$/MWH	3.49	9.03	3.49	9.03	3.64	4.79	10.00
YEAR 2038								

VARIABLE O AND M COSTS		\$/MWH	3.49	9.03	3.49	9.03	9.03	3.64	4.88	10.19
YEAR 2039		\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	96331.00	93474.00
FIXED COSTS		\$/MWH	3.49	9.03	3.49	9.03	9.03	3.64	4.98	10.38
VARIABLE O AND M COSTS		\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	558652.00	551744.00
YEAR 2040		\$/MWH	3.49	9.03	3.49	9.03	9.03	3.64	3.07	10.58
FIXED COSTS		\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VARIABLE O AND M COSTS		\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THERMAL UNIT			B22 FGD 22	B22 FGD 23	IGCC AP 1	PC_UL_AP 1	Nuke_AP 1	IGCC IM 1	PC_UL_IM 1	
YEAR 2011		\$/MWH	0.00	0.00	8.73	8.71	10.58	8.73	8.71	0.00
AUXILIARY REVENUE RATE		\$/MWH	0.00	0.00	8.73	8.71	10.58	8.73	8.71	0.00
AVERAGE HEAT RATE AT MAXIMUM		MBTU/MWH	0.00	0.00	9.34	9.32	10.58	9.34	9.32	0.00
AVERAGE HEAT RATE AT MINIMUM		MBTU/MWH	0.00	0.00	9.34	9.32	10.58	9.34	9.32	0.00
AVG HEAT RATE MINIMUM SEASONAL P		\$/MWH	0	0	0	0	0	0	0	0
AVG HEAT RATE MAXIMUM SEASONAL P		\$/MWH	0	0	0	0	0	0	0	0
BID PRICE AT INCREMENTAL		\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM		\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR		\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR		%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL P		%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE MINIMUM SEASONAL POINT		%	0	0	0	0	0	0	0	0
CAPACITY REVENUE PROFILE		\$/KW	0	0	0	0	0	0	0	0
CAPACITY REVENUE RATE		\$/KW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY SEGMENT PROFIT		\$/KW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPITAL COSTS		\$/KW	178	179	106	102	0	106	102	0
CAPACITY LIBRARY POINTER			6	6	118	123	124	123	118	0
DISPATCH PENALTY AT MAXIMUM		FRACTION	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
DISPATCH PENALTY AT MINIMUM		FRACTION	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ENERGY MARGIN CAPACITY FACTOR		\$/KW/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED ANNUAL CAPACITY RATE		\$/KW/YR	0.00	0.00	69.51	32.36	69.05	69.51	32.36	0.00
FIXED COSTS		\$/KW/SEA	31434.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL CAPACITY RATE		\$/KW/SEA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HEAT RATE PROFILE		WKS/YEAR	6	6	106	102	0	106	102	0
MAINTENANCE REOUTREMENT		WKS/YEAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAINTENANCE SEASONAL METHOD			1	1	1	1	1	1	1	1
MAINTENANCE SEASONAL POINT			0	0	0	0	0	0	0	0
MAINTENANCE SEASONAL PROF			0	0	0	0	0	0	0	0
MATURE FORCED OUTAGE RATE		%	7.50	7.50	7.50	5.40	1.00	7.50	5.40	0
MATURE FORCED OUTAGE RATE SEASONAL PROF		%	0	0	0	0	0	0	0	0
MAXIMUM CAPACITY		MW	790.00	788.00	637.00	624.00	800.00	637.00	624.00	0
MINIMUM CAPACITY		MW	500.00	500.00	319.00	312.00	800.00	319.00	312.00	0
MOST RUN INDICATOR			0	0	1	1	0	1	1	0
PARTIAL OUTAGE RATE		%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PARTIAL OUTAGE RATE SEASONAL PROF		%	0	0	0	0	0	0	0	0
PERCENT FTRM		%	92.50	92.50	92.50	94.60	99.00	92.50	94.60	0
RENEWABLE ENERGY CREDIT		RAIIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEASONAL VARIABLE COST PROFILE		\$/MWH	0	0	0	0	0	0	0	0
VARIABLE O AND M COSTS		\$/MWH	4.22	7.94	4.16	3.57	5.73	4.16	3.57	0
YEAR 2012		\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS		\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MATURE FORCED OUTAGE RATE		%	6.00	6.00	7.50	5.40	1.00	7.50	5.40	0
MATURE FORCED OUTAGE RATE SEASONAL PROF		%	0	0	0	0	0	0	0	0
PERCENT FTRM		%	94.00	94.00	92.50	94.60	99.00	92.50	94.60	0
VARIABLE O AND M COSTS		\$/MWH	4.30	8.10	4.16	3.57	5.73	4.16	3.57	0
YEAR 2013		\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS		\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT		165	166	168	169	170	171	172
		B22 FGD	B22 FGD	IGCC AP	PC_UL_AP	Nuke_AP	IGCC IM	PC_UL_IM
		22	23	1	1	1	1	1
YEAR 2013								
MAINTURE FORCED OUTAGE RATE		7.00	7.00	7.50	5.40	1.00	7.50	5.40
PERCENT FIRM		93.00	93.00	92.50	94.60	99.00	92.50	94.60
VARIABLE O AND M COSTS		\$/MWH	4.40	4.16	3.57	5.73	4.16	3.57
YEAR 2014								
FIXED COSTS		\$000/YR	30536.00	0.00	0.00	0.00	0.00	0.00
MAINTURE FORCED OUTAGE RATE		%	5.50	5.50	5.40	1.00	7.50	5.40
PERCENT FIRM		%	94.50	94.50	94.60	99.00	92.50	94.60
VARIABLE O AND M COSTS		\$/MWH	4.48	8.43	4.16	3.57	4.16	3.57
YEAR 2015								
FIXED COSTS		\$000/YR	41981.00	0.00	0.00	0.00	0.00	0.00
MAINTURE FORCED OUTAGE RATE		%	6.00	6.00	6.40	1.00	7.50	5.40
PERCENT FIRM		%	94.00	94.00	92.50	99.00	92.50	94.60
VARIABLE O AND M COSTS		\$/MWH	4.64	8.77	4.16	3.57	4.16	3.57
YEAR 2016								
FIXED COSTS		\$000/YR	53805.00	83680.00	0.00	0.00	0.00	0.00
MAINTURE FORCED OUTAGE RATE		%	6.50	6.50	7.50	5.40	7.50	5.40
PERCENT FIRM		%	93.50	93.50	92.50	94.60	92.50	94.60
VARIABLE O AND M COSTS		\$/MWH	4.77	9.02	4.16	3.57	4.16	3.57
YEAR 2017								
FIXED COSTS		\$000/YR	58961.00	87349.00	0.00	0.00	0.00	0.00
MAINTURE FORCED OUTAGE RATE		%	5.50	5.50	7.50	5.40	7.50	5.40
PERCENT FIRM		%	94.50	94.50	92.50	99.00	92.50	94.60
VARIABLE O AND M COSTS		\$/MWH	4.86	9.20	4.16	3.57	4.16	3.57
YEAR 2018								
FIXED COSTS		\$000/YR	70130.00	95837.00	0.00	0.00	0.00	0.00
MAINTURE FORCED OUTAGE RATE		%	6.00	6.00	7.50	5.40	7.50	5.40
PERCENT FIRM		%	94.00	94.00	92.50	99.00	92.50	94.60
VARIABLE O AND M COSTS		\$/MWH	4.95	9.36	4.16	3.57	4.16	3.57
YEAR 2019								
FIXED COSTS		\$000/YR	62780.00	88356.00	0.00	0.00	0.00	0.00
MAINTURE FORCED OUTAGE RATE		%	6.50	6.50	7.50	5.40	7.50	5.40
PERCENT FIRM		%	93.50	93.50	92.50	94.60	92.50	94.60
VARIABLE O AND M COSTS		\$/MWH	5.04	9.52	4.16	3.57	4.16	3.57
YEAR 2020								
FIXED COSTS		\$000/YR	60277.00	85769.00	0.00	0.00	0.00	0.00
MAINTURE FORCED OUTAGE RATE		%	7.00	7.00	7.50	5.40	7.50	5.40
PERCENT FIRM		%	93.00	93.00	92.50	94.60	92.50	94.60
VARIABLE O AND M COSTS		\$/MWH	5.14	9.68	4.16	3.57	4.16	3.57
YEAR 2021								
FIXED COSTS		\$000/YR	62819.00	88238.00	0.00	0.00	0.00	0.00
MAINTURE FORCED OUTAGE RATE		%	5.24	5.24	4.16	3.57	4.16	3.57
PERCENT FIRM		%	94.00	94.00	92.50	99.00	92.50	94.60
VARIABLE O AND M COSTS		\$/MWH	5.24	9.86	4.16	3.57	4.16	3.57
YEAR 2022								
FIXED COSTS		\$000/YR	65090.00	90547.00	0.00	0.00	0.00	0.00
MAINTURE FORCED OUTAGE RATE		%	5.35	5.35	4.16	3.57	4.16	3.57
PERCENT FIRM		%	94.00	94.00	92.50	99.00	92.50	94.60
VARIABLE O AND M COSTS		\$/MWH	5.35	10.05	4.16	3.57	4.16	3.57
YEAR 2023								
FIXED COSTS		\$000/YR	67458.00	92902.00	0.00	0.00	0.00	0.00
MAINTURE FORCED OUTAGE RATE		%	5.46	5.46	4.16	3.57	4.16	3.57
PERCENT FIRM		%	94.00	94.00	92.50	99.00	92.50	94.60
VARIABLE O AND M COSTS		\$/MWH	5.46	10.25	4.16	3.57	4.16	3.57
YEAR 2024								
FIXED COSTS		\$000/YR	69574.00	94968.00	0.00	0.00	0.00	0.00
MAINTURE FORCED OUTAGE RATE		%	5.57	5.57	4.16	3.57	4.16	3.57
PERCENT FIRM		%	94.00	94.00	92.50	99.00	92.50	94.60
VARIABLE O AND M COSTS		\$/MWH	5.57	10.44	4.16	3.57	4.16	3.57
YEAR 2025								
FIXED COSTS		\$000/YR	71762.00	97121.00	0.00	0.00	0.00	0.00
MAINTURE FORCED OUTAGE RATE		%	5.68	5.68	4.16	3.57	4.16	3.57
PERCENT FIRM		%	94.00	94.00	92.50	99.00	92.50	94.60
VARIABLE O AND M COSTS		\$/MWH	5.68	10.64	4.16	3.57	4.16	3.57
YEAR 2026								
FIXED COSTS		\$000/YR	74060.00	99394.00	0.00	0.00	0.00	0.00
MAINTURE FORCED OUTAGE RATE		%	5.79	5.79	4.16	3.57	4.16	3.57
PERCENT FIRM		%	94.00	94.00	92.50	99.00	92.50	94.60
VARIABLE O AND M COSTS		\$/MWH	5.79	10.84	4.16	3.57	4.16	3.57
YEAR 2027								
FIXED COSTS		\$000/YR	76599.00	101905.00	0.00	0.00	0.00	0.00
MAINTURE FORCED OUTAGE RATE		%	5.90	5.90	4.16	3.57	4.16	3.57
PERCENT FIRM		%	94.00	94.00	92.50	99.00	92.50	94.60
VARIABLE O AND M COSTS		\$/MWH	5.90	11.05	4.16	3.57	4.16	3.57
YEAR 2028								
FIXED COSTS		\$000/YR	78993.00	104269.00	0.00	0.00	0.00	0.00
MAINTURE FORCED OUTAGE RATE		%	6.02	6.02	4.16	3.57	4.16	3.57
PERCENT FIRM		%	94.00	94.00	92.50	99.00	92.50	94.60
VARIABLE O AND M COSTS		\$/MWH	6.02	11.26	4.16	3.57	4.16	3.57
YEAR 2029								
FIXED COSTS		\$000/YR	81300.00	106543.00	0.00	0.00	0.00	0.00
MAINTURE FORCED OUTAGE RATE		%	6.14	6.14	4.16	3.57	4.16	3.57
PERCENT FIRM		%	94.00	94.00	92.50	99.00	92.50	94.60
VARIABLE O AND M COSTS		\$/MWH	6.14	11.47	4.16	3.57	4.16	3.57
YEAR 2030								
FIXED COSTS		\$000/YR	83943.00	109158.00	0.00	0.00	0.00	0.00
MAINTURE FORCED OUTAGE RATE		%	6.26	6.26	4.16	3.57	4.16	3.57
PERCENT FIRM		%	94.00	94.00	92.50	99.00	92.50	94.60
VARIABLE O AND M COSTS		\$/MWH	6.26	11.68	4.16	3.57	4.16	3.57
YEAR 2031								
FIXED COSTS		\$000/YR	83638.00	63453.00	0.00	0.00	0.00	0.00
MAINTURE FORCED OUTAGE RATE		%	6.38	6.38	4.16	3.57	4.16	3.57
PERCENT FIRM		%	94.00	94.00	92.50	99.00	92.50	94.60
VARIABLE O AND M COSTS		\$/MWH	6.38	11.90	4.16	3.57	4.16	3.57
YEAR 2032								
FIXED COSTS		\$000/YR	85185.00	62774.00	0.00	0.00	0.00	0.00
MAINTURE FORCED OUTAGE RATE		%	6.50	6.50	4.16	3.57	4.16	3.57
PERCENT FIRM		%	94.00	94.00	92.50	99.00	92.50	94.60
VARIABLE O AND M COSTS		\$/MWH	6.50	12.12	4.16	3.57	4.16	3.57

YEAR 2033									
FIXED COSTS		\$000/YR	85367.00	60763.00	0.00	0.00	0.00	0.00	0.00
VARIABLE O AND M COSTS		\$/MWH	6.63	12.35	4.16	3.57	5.73	4.16	3.57
YEAR 2034									
FIXED COSTS		\$000/YR	84716.00	62828.00	0.00	0.00	0.00	0.00	0.00
VARIABLE O AND M COSTS		\$/MWH	6.76	12.58	4.16	3.57	5.73	4.16	3.57
YEAR 2035									
FIXED COSTS		\$000/YR	81882.00	64361.00	0.00	0.00	0.00	0.00	0.00
VARIABLE O AND M COSTS		\$/MWH	6.89	12.82	4.16	3.57	5.73	4.16	3.57
YEAR 2036									
FIXED COSTS		\$000/YR	82229.00	65064.00	0.00	0.00	0.00	0.00	0.00
VARIABLE O AND M COSTS		\$/MWH	7.02	13.06	4.16	3.57	5.73	4.16	3.57
YEAR 2037									
FIXED COSTS		\$000/YR	83876.00	65762.00	0.00	0.00	0.00	0.00	0.00
VARIABLE O AND M COSTS		\$/MWH	7.16	13.31	4.16	3.57	5.73	4.16	3.57
YEAR 2038									
FIXED COSTS		\$000/YR	82207.00	66253.00	0.00	0.00	0.00	0.00	0.00
VARIABLE O AND M COSTS		\$/MWH	7.30	13.56	4.16	3.57	5.73	4.16	3.57
YEAR 2039									
FIXED COSTS		\$000/YR	84777.00	67585.00	0.00	0.00	0.00	0.00	0.00
VARIABLE O AND M COSTS		\$/MWH	7.44	13.81	4.16	3.57	5.73	4.16	3.57
YEAR 2040									
FIXED COSTS		\$000/YR	475821.00	245488.00	0.00	0.00	0.00	0.00	0.00
VARIABLE O AND M COSTS		\$/MWH	7.58	14.07	4.16	3.57	5.73	4.16	3.57
THEMAL UNIT									
			NUKE_TM	IGCC_KP	FC_UL_KP	NUKE_KP	IGCC_OH	FC_UL_OH	NUKE_OH
			173	174	175	176	177	178	179
			1	1	1	1	1	1	1
YEAR 2011									
ANCILLARY REVENUE RATE		\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MAXIMUM		MBTU/MWH	10.50	8.73	8.74	10.50	8.73	8.74	10.50
AVERAGE HEAT RATE AT MINIMUM		MBTU/MWH	10.50	9.34	9.32	10.50	9.34	9.32	10.50
AVG HEAT RATE MAXIMUM SEASONAL P			0	0	0	0	0	0	0
AVG HEAT RATE MINIMUM SEASONAL P			0	0	0	0	0	0	0
BID PRICE AT INCREMENTAL		\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM		\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR		%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR		%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL P			0	0	0	0	0	0	0
BID PRICE MINIMUM SEASONAL POINT			0	0	0	0	0	0	0
CAPACITY REVENUE PROFILE			0	0	0	0	0	0	0
CAPACITY REVENUE RATE		\$/KW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY SEGMENT PROFILE			0	106	102	0	106	102	0
CAPITAL COSTS		\$000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DERATION LIBRARY POINTER			1.24	123	118	1.24	123	118	1.24
DISPATCH PENALTY AT MAXIMUM			1.00	1.00	1.00	1.00	1.00	1.00	1.00
DISPATCH PENALTY AT MINIMUM			1.00	1.00	1.00	1.00	1.00	1.00	1.00
ENERGY MARGIN CAPACITY FACTOR		\$/KW/YR	69.05	0.00	0.00	69.05	0.00	0.00	69.05
FIXED ANNUAL CAPACITY RATE		\$000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL CAPACITY RATE		\$/KW/SEA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL RATE PROFILE			0	106	102	0	106	102	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	173	174	175	176	177	178	179
	NUKE_IM	IGCC_KP	FC_UL_KP	NUKE_KP	IGCC_OH	FC_UL_OH	NUKE_OH
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAINTENANCE REQUIREMENT	1	1	1	1	1	1	1
MAINTENANCE SEASONAL METHOD	0	0	0	0	0	0	0
MAINTENANCE SEASONAL POINT	0	0	0	0	0	0	0
MATURE FORGED OUTAGE RATE	1.70	7.50	5.40	1.00	7.50	5.40	1.00
MATURE FORGED OUTAGE RATE	0	0	0	0	0	0	0
MAXIMUM CAPACITY	MM	MM	MM	MM	MM	MM	MM
MINIMUM CAPACITY	800.00	637.00	624.00	800.00	637.00	624.00	800.00
MUST RUN INDICATOR	0	0	0	0	0	0	0
PARTIAL OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PARTIAL OUTAGE RATE SEASONAL PRO	0	0	0	0	0	0	0
PERCENT FIRM	99.00	92.50	94.60	99.00	92.50	94.60	99.00
RENEWABLE ENERGY CREDIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEASONAL VARIABLE COST PROFILE	0	0	0	0	0	0	0
VARIABLE O AND M COSTS	5.73	4.16	3.57	5.73	4.16	3.57	5.73
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

THERMAL UNIT	181	182	183	184	186	187	188
	RPID_03	RPID_04	RPID_08	RPID_20	RP1TR_IM	RP2TR_IM	RP1TR_KP
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ANCILLARY REVENUE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	9.63
AVERAGE HEAT RATE AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	9.63
AVG HEAT RATE MAXIMUM SEASONAL P	0	0	0	0	0	0	0
AVG HEAT RATE MINIMUM SEASONAL P	0	0	0	0	0	0	0
BID PRICE AT INCREMENTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL P	0	0	0	0	0	0	0
BID PRICE MINIMUM SEASONAL POINT	0	0	0	0	0	0	0
CAPACITY REVENUE PROFILE	0	0	0	0	0	0	0
CAPACITY REVENUE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY SEGMENT PROFILE	180	181	182	183	58	59	0
CAPITAL COSTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00

DERATION LIBRARY POINTER	58	58	58	58	58	58	58	58	58	58	58	58
DISPATCH PENALTY AT MAXIMUM	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
DISPATCH PENALTY AT MINIMUM	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ENERGY MARGIN CAPACITY FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED ANNUAL CAPACITY RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS \$/KW/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL CAPACITY RATE \$/KW/SEA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL RATE PROFILE	0	0	0	0	0	0	0	0	0	0	0	0
HEAT RATE PROFILE	167	167	167	167	167	167	167	167	167	167	167	167
MAINTENANCE REQUIREMENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAINTENANCE SEASONAL METHOD	1	1	1	1	1	1	1	1	1	1	1	1
MAINTENANCE SEASONAL POINTER	0	0	0	0	0	0	0	0	0	0	0	0
MAINTENANCE SEASONAL RATE	0	0	0	0	0	0	0	0	0	0	0	0
MAINTENANCE SEASONAL PROF	0	0	0	0	0	0	0	0	0	0	0	0
MAINTENANCE SEASONAL PROF	6-77	6-77	6-77	6-77	6-77	6-77	6-77	6-77	6-77	6-77	6-77	6-77
MAINTENANCE SEASONAL RATE	0	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM CAPACITY	1090.00	1090.00	1088.00	1071.00	1105.00	1105.00	1105.00	1105.00	1105.00	1105.00	1105.00	1105.00
MINIMUM CAPACITY	359.00	359.00	357.00	344.00	370.00	370.00	370.00	370.00	370.00	370.00	370.00	370.00
MUST RUN INDICATOR	1	1	1	1	0	0	0	0	0	0	0	0
PARTIAL OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PARTIAL OUTAGE RATE SEASONAL PRO	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT FIRM	93.26	93.26	93.26	93.26	92.00	92.00	92.00	92.00	92.00	92.00	92.00	92.00
RENEWABLE ENERGY CREDIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEASONAL VARIABLE COST PROFILE	0	0	0	0	0	0	0	0	0	0	0	0
VARIABLE O AND M COSTS \$/MMH	7.76	9.09	9.76	3.24	0.99	0.99	0.69	0.69	0.99	0.99	0.99	0.99
YEAR 2012												
MATURE FORCED OUTAGE RATE	6-92	6-92	6-92	6-92	6-92	6-92	6-92	6-92	6-92	6-92	6-92	6-92
PERCENT FIRM	93.08	93.08	93.08	93.08	92.90	92.90	93.23	93.08	93.08	93.08	93.08	93.08
VARIABLE O AND M COSTS \$/MMH	7.88	9.24	9.92	3.29	0.99	0.99	0.69	0.69	0.99	0.99	0.99	0.99
YEAR 2013												
MATURE FORCED OUTAGE RATE	6-77	6-77	6-77	6-77	6-77	6-77	6-77	6-77	6-77	6-77	6-77	6-77
PERCENT FIRM	93.23	93.23	93.23	93.23	93.00	93.00	92.76	92.76	93.23	93.23	93.23	93.23
VARIABLE O AND M COSTS \$/MMH	8.09	9.49	10.18	3.37	0.99	0.99	0.69	0.69	0.99	0.99	0.99	0.99
YEAR 2014												
FIXED COSTS \$/MMH	0.00	0.00	0.00	0.00	19368.00	19368.00	19368.00	3243.00	19368.00	19368.00	19368.00	19368.00
VARIABLE O AND M COSTS \$/MMH	8.22	9.64	10.35	3.43	0.99	0.99	0.69	0.99	0.99	0.99	0.99	0.99
YEAR 2015												
FIXED COSTS \$/MMH	0.00	0.00	0.00	0.00	13893.00	15628.00	2264.00	0.99	13893.00	15628.00	2264.00	0.99
VARIABLE O AND M COSTS \$/MMH	8.39	9.84	10.56	3.50	0.99	0.99	0.69	0.99	0.99	0.99	0.99	0.99
YEAR 2016												
FIXED COSTS \$/MMH	51019.00	37612.00	38455.00	40985.00	0.00	23440.00	0.00	0.00	0.00	23440.00	0.00	0.00
MATURE FORCED OUTAGE RATE	6-77	6-77	6-77	6-77	100.00	7-24	100.00	100.00	100.00	7-24	100.00	100.00
PERCENT FIRM	93.23	93.23	93.23	93.23	0.00	92.76	0.00	0.00	0.00	92.76	0.00	0.00
VARIABLE O AND M COSTS \$/MMH	8.48	9.94	10.67	3.55	0.99	0.69	0.99	0.99	0.99	0.69	0.99	0.99
YEAR 2017												
DERATION LIBRARY POINTER	59	59	59	59	59	59	59	59	59	59	59	59
FIXED COSTS \$/MMH	68050.00	53882.00	41404.00	55841.00	0.00	22550.00	0.00	0.00	0.00	22550.00	0.00	0.00
VARIABLE O AND M COSTS \$/MMH	8.65	10.14	10.88	3.62	0.99	0.69	0.99	0.99	0.99	0.69	0.99	0.99
YEAR 2018												
FIXED COSTS \$/MMH	68104.00	53858.00	54983.00	55827.00	0.00	25825.00	0.00	0.00	0.00	25825.00	0.00	0.00
VARIABLE O AND M COSTS \$/MMH	8.80	10.31	11.07	3.69	0.99	0.69	0.99	0.99	0.99	0.69	0.99	0.99
YEAR 2019												
FIXED COSTS \$/MMH	65087.00	50769.00	51897.00	52748.00	0.00	44836.00	0.00	0.00	0.00	44836.00	0.00	0.00
VARIABLE O AND M COSTS \$/MMH	8.96	10.50	11.27	3.77	0.99	0.69	0.99	0.99	0.99	0.69	0.99	0.99

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		181	182	183	184	186	187	188	
		RPID_03	RPID_04	RPID_08	RPID_20	RPTR_TM	RPTR_TM	RPTR_KP	
		1	1	1	1	1	2	1	
YEAR 2020	FIXED COSTS	\$000/YR	68290.00	53813.00	54944.00	55804.00	0.00	0.00	0.00
	FIXED COSTS		6372	6372	6372	6372	100.00	100.00	100.00
	PERCENT FTRM	%	93.23	93.23	93.23	93.23	0.00	0.00	0.00
	VARIABLE O AND M COSTS	\$/MWH	9.12	10.69	11.47	3.84	0.99	0.69	0.99
	FIXED COSTS								
	VARIABLE O AND M COSTS	\$/MWH	68117.00	53583.00	54717.00	55660.00	0.99	0.69	0.99
	FIXED COSTS	\$/MWH	9.30	10.89	11.68	3.92	0.99	0.69	0.99
	YEAR 2022								
	VARIABLE O AND M COSTS	\$/MWH	74913.00	60180.00	61317.00	62269.00	0.99	0.69	0.99
	VARIABLE O AND M COSTS	\$/MWH	9.47	11.10	11.90	4.00	0.99	0.69	0.99
	YEAR 2023								
	FIXED COSTS	\$/MWH	88293.00	73090.00	74231.00	75192.00	0.99	0.69	0.99
VARIABLE O AND M COSTS	\$/MWH	9.65	11.30	12.13	4.08	0.99	0.69	0.99	
YEAR 2024									
FIXED COSTS	\$/MWH	85988.00	70525.00	71669.00	72640.00	0.99	0.69	0.99	
VARIABLE O AND M COSTS	\$/MWH	9.83	11.52	12.35	4.16	0.99	0.69	0.99	
YEAR 2025									
FIXED COSTS	\$/MWH	89696.00	73973.00	75120.00	76102.00	0.99	0.69	0.99	
VARIABLE O AND M COSTS	\$/MWH	10.02	11.73	12.58	4.24	0.99	0.69	0.99	
YEAR 2026									
FIXED COSTS	\$/MWH	83347.00	69273.00	70424.00	71415.00	0.99	0.69	0.99	
VARIABLE O AND M COSTS	\$/MWH	10.21	11.95	12.82	4.33	0.99	0.69	0.99	
YEAR 2027									
FIXED COSTS	\$/MWH	89477.00	75563.00	76717.00	77719.00	0.99	0.69	0.99	
VARIABLE O AND M COSTS	\$/MWH	10.40	12.17	13.05	4.41	0.99	0.69	0.99	
YEAR 2028									
FIXED COSTS	\$/MWH	86148.00	72824.00	73981.00	74993.00	0.99	0.69	0.99	
VARIABLE O AND M COSTS	\$/MWH	10.59	12.40	13.30	4.50	0.99	0.69	0.99	
YEAR 2029									
FIXED COSTS	\$/MWH	95793.00	83582.00	84743.00	85765.00	0.99	0.69	0.99	
VARIABLE O AND M COSTS	\$/MWH	10.79	12.63	13.54	4.59	0.99	0.69	0.99	
YEAR 2030									
FIXED COSTS	\$/MWH	87566.00	82895.00	84060.00	85093.00	0.99	0.69	0.99	
VARIABLE O AND M COSTS	\$/MWH	10.99	12.86	13.79	4.67	0.99	0.69	0.99	
YEAR 2031									
FIXED COSTS	\$/MWH	70757.00	80164.00	81333.00	82376.00	0.99	0.69	0.99	
VARIABLE O AND M COSTS	\$/MWH	11.19	13.10	14.05	4.77	0.99	0.69	0.99	
YEAR 2032									
FIXED COSTS	\$/MWH	63106.00	78629.00	79802.00	80856.00	0.99	0.69	0.99	
VARIABLE O AND M COSTS	\$/MWH	11.40	13.34	14.31	4.86	0.99	0.69	0.99	
YEAR 2033									
FIXED COSTS	\$/MWH	67693.00	84243.00	85419.00	86484.00	0.99	0.69	0.99	
VARIABLE O AND M COSTS	\$/MWH	11.61	13.59	14.57	4.95	0.99	0.69	0.99	
YEAR 2034									
FIXED COSTS	\$/MWH	62989.00	80488.00	81668.00	82745.00	0.99	0.69	0.99	
VARIABLE O AND M COSTS	\$/MWH	11.83	13.84	14.84	5.05	0.99	0.69	0.99	
YEAR 2035									
FIXED COSTS	\$/MWH	68040.00	87574.00	88758.00	89846.00	0.99	0.69	0.99	
VARIABLE O AND M COSTS	\$/MWH	12.05	14.10	15.11	5.15	0.99	0.69	0.99	
YEAR 2036									
FIXED COSTS	\$/MWH	64257.00	72194.00	72756.00	73587.00	0.99	0.69	0.99	
VARIABLE O AND M COSTS	\$/MWH	12.27	14.36	15.39	5.25	0.99	0.69	0.99	
YEAR 2037									
FIXED COSTS	\$/MWH	57962.00	63097.00	63387.00	64229.00	0.99	0.69	0.99	
VARIABLE O AND M COSTS	\$/MWH	12.50	14.62	15.68	5.35	0.99	0.69	0.99	
YEAR 2038									
FIXED COSTS	\$/MWH	55995.00	66123.00	66418.00	67272.00	0.99	0.69	0.99	
VARIABLE O AND M COSTS	\$/MWH	12.74	14.89	15.97	5.45	0.99	0.69	0.99	
YEAR 2039									
FIXED COSTS	\$/MWH	48940.00	61507.00	61805.00	62672.00	0.99	0.69	0.99	
VARIABLE O AND M COSTS	\$/MWH	12.97	15.17	16.28	5.56	0.99	0.69	0.99	
YEAR 2040									
FIXED COSTS	\$/MWH	77846.00	181066.00	181368.00	182247.00	0.99	0.69	0.99	
VARIABLE O AND M COSTS	\$/MWH	13.21	15.45	16.56	5.66	0.99	0.69	0.99	
THERMAL UNIT									
		189	190	191	223	224	228	229	
		RP2TR_KP	T4_TRONA	T4_TRCCR	MR_STRK1	MR_STRK2	AMS3_SI	BS2_SI	
		2	4	4	1	1	3	2	
YEAR 2011									
ANCILLARY REVENUE RATE	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
AVERAGE HEAT RATE	BTU/MWH	9.97	0.00	0.00	12.50	12.50	0.00	0.00	
AVERAGE HEAT RATE	BTU/MWH	9.97	0.00	0.00	12.50	12.50	1.03	0.00	
AVERAGE HEAT RATE	BTU/MWH	9.97	0.00	0.00	12.50	12.50	0.00	0.00	

AVG HEAT RATE MAXIMUM SEASONAL P		0	0	0	0	0	0	0	0	0
AVG HEAT RATE MINIMUM SEASONAL P		0	0	0	0	0	0	0	0	0
BID PRICE AT INCREMENTAL	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL P		0	0	0	0	0	0	0	0	0
BID PRICE MINIMUM SEASONAL POINT		0	0	0	0	0	0	0	0	0
CAPACITY REVENUE PROFILE		0	0	0	0	0	0	0	0	0
CAPACITY REVENUE RATE	\$/KW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY SEGMENT PROFILE		0	0	0	0	0	0	0	0	0
CAPITAL COSTS	\$000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEPARTION LIBRARY POINTER		0	59	69	69	69	69	3	6	6
DISPATCH PENALTY AT MAXIMUM		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
DISPATCH PENALTY AT MINIMUM		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ENERGY MARGIN CAPACITY FACTOR		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED ANNUAL CAPACITY RATE	\$/KW/YR	0.00	0.00	0.00	0.00	0.00	0.00	4.32	6.81	6.81
FIXED COSTS	\$/KW/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL CAPACITY RATE	\$/KW/SEA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL RATE PROFILE		0	0	0	0	0	0	0	0	0
HEAT RATE PROFILE		0	59	69	69	69	69	143	158	158
MAINTENANCE REQUIREMENT	WKS/YEAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAINTENANCE SEASONAL METHOD		1	1	1	1	1	1	1	1	1
MAINTENANCE SEASONAL POINTER		0	0	0	0	0	0	0	0	0
MAINTENANCE SEASONAL RATE		6.31	16.44	16.44	16.44	30.00	30.00	3.72	4.72	4.72
MAINTENANCE SEASONAL POINT		0	0	0	0	0	0	0	0	0
MAXIMUM OUTAGE RATE SEASONAL PROF	%	0	0	0	0	0	0	0	0	0
MAXIMUM CAPACITY	MW	195.00	500.00	500.00	500.00	127.00	127.00	1259.00	775.00	775.00
MINIMUM CAPACITY	MW	195.00	200.00	200.00	200.00	127.00	127.00	700.00	500.00	500.00
MOST RUN INDICATOR		0	0	0	0	0	0	0	0	0
PARTIAL OUTAGE RATE	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PARTIAL OUTAGE RATE SEASONAL PROF	%	0	0	0	0	0	0	0	0	0
PERCENT FIRM	%	93.69	83.56	83.56	83.56	70.00	70.00	96.28	95.28	95.28
RENEWABLE ENERGY CREDIT	RATIO	0	0	0	0	0	0	0.00	0.00	0.00
SEASONAL VARIABLE COST PROFILE	\$/MWH	0.69	3.25	3.25	3.25	0.00	0.00	3.63	3.23	3.23
----- YEAR 2012 -----										
MAINTENANCE SEASONAL RATE		6.77	17.05	17.05	17.05	30.00	30.00	3.10	4.09	4.09
PERCENT FIRM		93.23	82.95	82.95	82.95	70.00	70.00	96.90	95.91	95.91
----- YEAR 2013 -----										
MAINTENANCE SEASONAL RATE		7.24	19.54	19.54	19.54	30.00	30.00	3.10	4.41	4.41
PERCENT FIRM		92.76	80.46	80.46	80.46	70.00	70.00	96.90	95.59	95.59
----- YEAR 2014 -----										
MAINTENANCE SEASONAL RATE		7.24	19.54	19.54	19.54	30.00	30.00	3.10	5.04	5.04
PERCENT FIRM		92.76	80.46	80.46	80.46	70.00	70.00	96.90	94.96	94.96
----- YEAR 2015 -----										
MAINTENANCE SEASONAL RATE		7.24	19.54	19.54	19.54	30.00	30.00	3.10	4.72	4.72
PERCENT FIRM		92.76	80.46	80.46	80.46	70.00	70.00	96.90	95.28	95.28
----- YEAR 2016 -----										
MAINTENANCE SEASONAL RATE		7.24	19.54	19.54	19.54	30.00	30.00	3.10	4.41	4.41
PERCENT FIRM		92.76	80.46	80.46	80.46	70.00	70.00	96.90	95.59	95.59
----- YEAR 2017 -----										
MAINTENANCE SEASONAL RATE		7.24	19.54	19.54	19.54	30.00	30.00	3.10	4.72	4.72
PERCENT FIRM		92.76	80.46	80.46	80.46	70.00	70.00	96.90	95.59	95.59
FIXED COSTS	\$000/YR	3243.00	6735.00	6735.00	6735.00	0.00	0.00	0.00	0.00	0.00
MAINTENANCE SEASONAL RATE		7.24	19.54	19.54	19.54	30.00	30.00	3.10	5.04	5.04
PERCENT FIRM		92.76	80.46	80.46	80.46	70.00	70.00	96.90	94.96	94.96
----- YEAR 2015 -----										
MAINTENANCE SEASONAL RATE		7.24	19.54	19.54	19.54	30.00	30.00	3.10	4.72	4.72
PERCENT FIRM		92.76	80.46	80.46	80.46	70.00	70.00	96.90	95.59	95.59
----- YEAR 2016 -----										
MAINTENANCE SEASONAL RATE		7.24	19.54	19.54	19.54	30.00	30.00	3.10	4.41	4.41
PERCENT FIRM		92.76	80.46	80.46	80.46	70.00	70.00	96.90	95.59	95.59
----- YEAR 2017 -----										
MAINTENANCE SEASONAL RATE		7.24	19.54	19.54	19.54	30.00	30.00	3.10	4.72	4.72
PERCENT FIRM		92.76	80.46	80.46	80.46	70.00	70.00	96.90	95.59	95.59

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		189	190	191	223	224	228	229
		RP2TR_KP 2	T4_TRONA 4	T4_TRCCR 4	MR_STKR1 1	MR_STKR2 1	AMS3_ST 3	BS2_ST 2
PERCENT FIRM	YEAR 2017	92.76	80.46	80.46	70.00	70.00	96.90	95.28
FIXED COSTS	YEAR 2018	\$000/YR 3836.00	0.00	39243.00	0.00	0.00	0.00	0.00
MATURE FORCED OUTFAGE RATE		7.24	19.54	19.54	30.00	30.00	3.10	5.04
PERCENT FIRM	YEAR 2019	92.76	80.46	80.46	70.00	70.00	96.90	94.96
FIXED COSTS	YEAR 2020	\$000/YR 4426.00	0.00	54619.00	0.00	0.00	0.00	0.00
MATURE FORCED OUTFAGE RATE		100.00	0.00	45327.00	0.00	0.00	0.00	0.00
PERCENT FIRM	YEAR 2021	0.00	80.46	80.46	70.00	70.00	96.90	94.96
FIXED COSTS	YEAR 2022	\$000/YR 0.00	0.00	45753.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2023	\$000/YR 0.00	0.00	46641.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2024	\$000/YR 0.00	0.00	47631.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2025	\$000/YR 0.00	0.00	316299.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2026	\$000/YR 0.00	0.00	0.00	0.00	0.00	0.00	0.00
MATURE FORCED OUTFAGE RATE	YEAR 2027	100.00	100.00	100.00	30.00	30.00	3.10	5.04
PERCENT FIRM	YEAR 2028	0.00	0.00	0.00	70.00	70.00	96.90	94.96
FIXED COSTS	YEAR 2029	\$000/YR 0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2030	\$000/YR 0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2031	\$000/YR 0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2032	\$000/YR 0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2033	\$000/YR 0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2034	\$000/YR 0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2035	\$000/YR 0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2036	\$000/YR 0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2037	\$000/YR 0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2038	\$000/YR 0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2039	\$000/YR 0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2040	\$000/YR 0.00	0.00	0.00	0.00	0.00	0.00	0.00
THERMAL UNIT		MRS_CF 5	MRS_ST 5	RPT1_CF 1	RPT2_CF 2	RPT1_ST 1	RPT2_ST 2	DC1_HPT 1
YEAR 2011		230	231	232	233	234	235	251
ANCILLARY REVENUE RATE		0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MAXIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MINIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG HEAT RATE MAXIMUM SEASONAL		0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG HEAT RATE MINIMUM SEASONAL		0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT INCREMENTAL		0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR		0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR		0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL		0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY REVENUE PROFILE		0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY REVENUE RATE		0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY SEGMENT PROFILE		0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPITAL COSTS		50	65	58	59	58	144	141
DERATION LIBRARY POINTER		50	50	58	59	58	59	300
DISPATCH PENALTY AT MAXIMUM		1.00	1.00	1.00	1.00	1.00	1.00	1.00
DISPATCH PENALTY AT MINIMUM		1.00	1.00	1.00	1.00	1.00	1.00	1.00
ENERGY MARGIN CAPACITY FACTOR		0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED ANNUAL CAPACITY RATE		0.00	8.04	0.18	0.18	8.12	8.12	0.00
FIXED COSTS		0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL CAPACITY RATE		0.00	0.00	0.00	0.00	0.00	0.00	0.00
HEAT RATE PROFILE		110	109	97	98	171	172	0
MAINTENANCE REQUIREMENT		0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAINTENANCE SEASONAL METHOD		1	1	1	1	1	1	1

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MAINTENANCE SEASONAL POINTER	0	0	0	0	0	0	0	0	0
MATURE FORCED OUTAGE RATE	17.11	17.11	5.26	5.98	5.26	5.98	5.00	5.00	5.00
MATURE OUTAGE RATE SEASONAL PROF	0	0	0	0	0	0	0	0	0
MAXIMUM CAPACITY	MM 600.00	582.00	1320.00	1300.00	1279.00	1259.00	1158.00	1158.00	1158.00
MINIMUM CAPACITY	MM 400.00	400.00	500.00	500.00	959.00	959.00	0	1158.00	0
MOST RUN INDICATOR	0	0	0	0	0	0	0	0	0
PARTIAL OUTAGE RATE	% 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PARTIAL OUTAGE RATE SEASONAL PROF	0	0	0	0	0	0	0	0	0
PERCENT FIRM	82.89	82.89	94.74	94.02	94.74	94.02	94.02	95.00	95.00
RENEWABLE ENERGY CREDIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEASONAL VARIABLE COST PROFILE	0	0	0	0	0	0	0	0	0
VARIABLE O AND M COSTS	\$/MWH 2.18	3.48	1.19	0.93	2.98	2.67	0.21	0.21	0.21
YEAR 2012									
CAPACITY SEGMENT PROFILE									
MATURE FORCED OUTAGE RATE	50	65	58	59	140	144	142	142	142
PERCENT FIRM	91.81	91.81	96.71	95.42	95.33	95.42	95.00	95.00	95.00
YEAR 2013									
MATURE FORCED OUTAGE RATE	8.19	8.19	3.29	3.52	3.29	3.52	5.00	5.00	5.00
PERCENT FIRM	91.81	91.81	96.71	96.48	96.71	96.48	95.00	95.00	95.00
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
DERATION LIBRARY POINTER	50	50	59	59	59	59	300	300	300
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		QUALIFIER = GAF.INPUT.THERMAL UNIT.									
		YEAR 2034		YEAR 2035		YEAR 2036		YEAR 2037		YEAR 2038	
		MRS_CF	MRS_ST	RPT1_CF	RPT2_CF	RPT1_ST	RPT2_SI	DC1_HPT	DC2_EFF	DC2_SFU	
YEAR 2034											
YEAR 2035											
YEAR 2036											
MAXIMUM CAPACITY	MW	600.00	582.00	1335.00	1300.00	1279.00	1259.00	1158.00			
YEAR 2037											
YEAR 2038											
YEAR 2039											
YEAR 2040											
THERMAL UNIT											
YEAR 2011											
ANCILLARY REVENUE RATE	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MAXIMUM	MBTU/MWH	10.83	10.83	10.83	10.83	10.83	10.83	10.83	10.83	10.83	10.83
AVERAGE HEAT RATE AT MINIMUM	MBTU/MWH	10.83	10.83	10.83	10.83	10.83	10.83	10.83	10.83	10.83	10.83
AVG HEAT RATE MAXIMUM SEASONAL P		0	0	0	0	0	0	0	0	0	0
AVG HEAT RATE MINIMUM SEASONAL P		0	0	0	0	0	0	0	0	0	0
BID HEAT RATE INCREMENTAL	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL P		0	0	0	0	0	0	0	0	0	0
BID PRICE MINIMUM SEASONAL POINT		0	0	0	0	0	0	0	0	0	0
CAPACITY REVENUE PROFILE	\$/KW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY REVENUE RATE	\$/KW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY SEGMENT PROFILE	\$/KW	141	141	141	141	141	141	141	141	141	141
CAPITAL COSTS	\$/KW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DERATION LIBRARY POINTER		300	300	300	300	295	295	295	295	295	295
DISPATCH PENALTY AT MINIMUM	\$/KW/YR	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ENERGY MARGIN CAPACITY FACTOR	\$/KW/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED ANNUAL CAPACITY RATE	\$/KW/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	\$/KW/SEA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL CAPACITY RATE	\$/KW/SEA	0	0	0	0	0	0	0	0	0	0
HEAT RATE PROFILE	WKS/YEAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAINTENANCE REQUIREMENT	%	1	1	1	1	1	1	1	1	1	1
MAINTENANCE SEASONAL METHOD		0	0	0	0	0	0	0	0	0	0
MAINTENANCE SEASONAL POINTER		5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
MATURE FORCED OUTAGE RATE	%	0	0	0	0	0	0	0	0	0	0
MATURE OUTAGE RATE SEASONAL PROF	MW	1168.00	1208.00	1268.00	1358.00	1177.00	1232.00	1252.00	1252.00	1252.00	1252.00
MAXIMUM CAPACITY	MW	1168.00	1208.00	1268.00	1358.00	1177.00	1232.00	1252.00	1252.00	1252.00	1252.00
MINIMUM CAPACITY	MW	0	0	0	0	0	0	0	0	0	0
MUST RUN INDICATOR	%	0	0	0	0	0	0	0	0	0	0
PARTIAL OUTAGE RATE	%	0	0	0	0	0	0	0	0	0	0
PARTIAL OUTAGE RATE SEASONAL PRO	%	0	0	0	0	0	0	0	0	0	0
PERCENT FTRM	RATIO	95.00	95.00	95.00	95.00	95.00	95.00	95.00	95.00	95.00	95.00
RENEWABLE ENERGY CREDIT	RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEASONAL VARIABLE COST PROFILE	\$/MWH	0	0	0	0	0	0	0	0	0	0
VARIABLE O AND M COSTS	\$/MWH	0.21	0.21	0.21	0.21	0.20	0.20	0.20	0.20	0.20	0.20
YEAR 2012											
CAPACITY SEGMENT PROFILE		142	142	142	142	142	142	142	142	142	142
DERATION LIBRARY POINTER		300	300	300	300	296	296	296	296	296	296
YEAR 2013											
CAPACITY SEGMENT PROFILE		142	142	142	142	142	142	142	142	142	142
DERATION LIBRARY POINTER		300	300	300	300	297	297	297	297	297	297
YEAR 2014											
CAPACITY SEGMENT PROFILE		142	142	142	142	142	142	142	142	142	142
DERATION LIBRARY POINTER		300	300	300	300	161	161	161	161	161	161
YEAR 2015											
CAPACITY SEGMENT PROFILE		142	142	142	142	142	142	142	142	142	142
DERATION LIBRARY POINTER		300	300	300	300	298	298	298	298	298	298
YEAR 2016											
CAPACITY SEGMENT PROFILE		142	142	142	142	142	142	142	142	142	142
DERATION LIBRARY POINTER		300	300	300	300	159	159	159	159	159	159
YEAR 2017											
CAPACITY SEGMENT PROFILE		142	142	142	142	142	142	142	142	142	142
DERATION LIBRARY POINTER		300	300	300	300	296	296	296	296	296	296
YEAR 2018											
CAPACITY SEGMENT PROFILE		142	142	142	142	142	142	142	142	142	142
DERATION LIBRARY POINTER		300	300	300	300	160	160	160	160	160	160
YEAR 2019											
CAPACITY SEGMENT PROFILE		142	142	142	142	142	142	142	142	142	142
DERATION LIBRARY POINTER		300	300	300	300	297	297	297	297	297	297
YEAR 2020											
CAPACITY SEGMENT PROFILE		142	142	142	142	142	142	142	142	142	142
DERATION LIBRARY POINTER		300	300	300	300	161	161	161	161	161	161
YEAR 2021											
CAPACITY SEGMENT PROFILE		142	142	142	142	142	142	142	142	142	142
DERATION LIBRARY POINTER		300	300	300	300	161	161	161	161	161	161
YEAR 2022											
CAPACITY SEGMENT PROFILE		142	142	142	142	142	142	142	142	142	142
DERATION LIBRARY POINTER		300	300	300	300	161	161	161	161	161	161
YEAR 2023											
CAPACITY SEGMENT PROFILE		142	142	142	142	142	142	142	142	142	142
DERATION LIBRARY POINTER		300	300	300	300	161	161	161	161	161	161
YEAR 2024											
CAPACITY SEGMENT PROFILE		142	142	142	142	142	142	142	142	142	142
DERATION LIBRARY POINTER		300	300	300	300	161	161	161	161	161	161
YEAR 2025											
CAPACITY SEGMENT PROFILE		142	142	142	142	142	142	142	142	142	142
DERATION LIBRARY POINTER		300	300	300	300	161	161	161	161	161	161
YEAR 2026											
CAPACITY SEGMENT PROFILE		142	142	142	142	142	142	142	142	142	142
DERATION LIBRARY POINTER		300	300	300	300	161	161	161	161	161	161

----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

PARAMETER	260	269	270	271	272	273	274
ANCILLARY REVENUE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MAXIMUM	10.936	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MINIMUM	10.97	0.00	0.00	0.00	0.00	0.00	0.00
AVG HEAT RATE MAXIMUM SEASONAL P	0	0	0	0	0	0	0
AVG HEAT RATE MINIMUM SEASONAL P	0	0	0	0	0	0	0
BID PRICE AT INCREMENTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL P	0	0	0	0	0	0	0
BID PRICE MINIMUM SEASONAL POINT	0	0	0	0	0	0	0
CAPACITY REVENUE PROFILE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY REVENUE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY SEGMENT PROFILE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPITAL COSTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEPARTION LIBRARY POINTER	159	79	79	16	16	17	17
DISPATCH PENALTY AT MAXIMUM	295	5	5	75	75	75	75
DISPATCH PENALTY AT MINIMUM	1.00	1.00	1.00	1.00	1.00	1.00	1.00
EMERG MARGIN CAPACITY FACTOR	1.00	0.00	1.00	1.00	1.00	1.00	1.00
FIXED ANNUAL CAPACITY RATE	0.00	0.00	0.00	0.59	0.59	0.59	0.59
FIXED COSTS	0.00	18517.00	16809.00	11965.00	11965.00	19342.00	19342.00
FIXED SEASONAL CAPACITY RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL RATE PROFILE	0	0	0	0	0	0	0
HEAT RATE PROFILE	0	143	143	16	16	17	17
MAINTENANCE REQUIREMENT	0	1	1	1	1	1	1
MAINTENANCE SEASONAL METHOD	0	0	0	0	0	0	0
MAINTENANCE SEASONAL POINTER	1	1	1	1	1	1	1
MAINTENANCE SEASONAL RATE	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		DCZ_3800	BIGSD_15	BIGSD_GP	CLN_Q_HM	CLN_Q_15	CLN_Q_HM	CLN_Q_15
		260	269	270	271	272	273	274
		2	1	1	1	1	2	2
YEAR 2011								
MATURE OUTAGE RATE	SEASONAL PROF	0	0	0	0	0	0	0
MAXIMUM CAPACITY	MW	1342.00	270.00	270.00	235.00	235.00	235.00	235.00
MINIMUM CAPACITY	MW	1342.00	100.00	100.00	60.00	60.00	60.00	60.00
MOST RUN INDICATOR		0	0	0	0	0	0	0
PARTIAL OUTAGE RATE	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PARTIAL OUTAGE RATE	SEASONAL PRO	0	0	0	0	0	0	0
PERCENT FIRM	%	95.00	96.21	96.21	94.36	94.36	89.45	89.45
RENEWABLE ENERGY CREDIT	RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEASONAL VARIABLE COST PROFILE		0	0	0	0	0	0	0
VARIABLE O AND M COSTS	\$/MWH	0.20	1.59	1.59	2.95	2.95	2.95	2.95
YEAR 2012								
DERATION LIBRARY POINTER		296	5	5	75	75	75	75
FIXED COSTS	\$000/YR	0.00	18742.00	16890.00	12466.00	12466.00	13245.00	13245.00
MATURE FORCED OUTAGE RATE	%	5.00	4.56	4.56	7.78	7.78	6.93	6.93
PERCENT FIRM	%	95.00	95.93	95.93	93.40	93.40	93.12	93.12
YEAR 2013								
CAPACITY SEGMENT PROFILE		160	79	79	16	16	17	17
DERATION LIBRARY POINTER		297	5	5	75	75	75	75
FIXED COSTS	\$000/YR	0.00	18943.00	16950.00	19253.00	18691.00	13759.00	13759.00
MATURE FORCED OUTAGE RATE	%	5.00	6.00	6.00	8.60	8.60	7.08	7.08
PERCENT FIRM	%	95.00	95.45	95.45	95.11	95.11	90.75	90.75
YEAR 2014								
CAPACITY SEGMENT PROFILE		161	79	79	16	16	17	17
DERATION LIBRARY POINTER		298	5	5	75	75	75	75
FIXED COSTS	\$000/YR	0.00	18183.00	16981.00	15131.00	14054.00	21154.00	13826.00
MATURE FORCED OUTAGE RATE	%	5.00	5.08	5.08	7.63	7.63	7.68	7.68
PERCENT FIRM	%	95.00	95.36	95.36	94.10	94.10	89.45	89.45
YEAR 2015								
FIXED COSTS	\$000/YR	0.00	116865.00	17002.00	15646.00	80913.00	16623.00	75343.00
MATURE FORCED OUTAGE RATE	%	5.00	4.88	4.88	7.78	7.78	6.93	6.93
PERCENT FIRM	%	95.00	95.29	95.29	93.18	93.18	93.12	93.12
YEAR 2016								
FIXED COSTS	\$000/YR	0.00	0.00	17033.00	22058.00	0.00	17154.00	0.00
MATURE FORCED OUTAGE RATE	%	5.00	4.05	4.05	7.78	7.78	6.93	6.93
PERCENT FIRM	%	95.00	95.29	95.29	95.11	95.11	91.59	91.59
YEAR 2017								
FIXED COSTS	\$000/YR	0.00	0.00	17064.00	17991.00	0.00	24468.00	0.00
MATURE FORCED OUTAGE RATE	%	5.00	5.03	5.03	7.78	7.78	6.93	6.93
PERCENT FIRM	%	95.00	95.29	95.29	94.10	94.10	90.29	90.29
YEAR 2018								
FIXED COSTS	\$000/YR	0.00	0.00	8677.00	16944.00	0.00	18598.00	0.00
MATURE FORCED OUTAGE RATE	%	5.00	5.15	5.15	7.78	7.78	6.93	6.93
PERCENT FIRM	%	95.00	95.15	95.15	93.12	93.12	90.29	90.29
YEAR 2019								
FIXED COSTS	\$000/YR	0.00	0.00	7471.00	24796.00	0.00	16459.00	0.00
PERCENT FIRM	%	95.00	95.15	95.15	93.12	93.12	90.29	90.29
YEAR 2020								
FIXED COSTS	\$000/YR	0.00	0.00	1940.00	15113.00	0.00	24727.00	0.00
PERCENT FIRM	%	95.00	95.15	95.15	93.12	93.12	90.29	90.29
YEAR 2021								
FIXED COSTS	\$000/YR	0.00	0.00	1926.00	15380.00	0.00	15608.00	0.00
PERCENT FIRM	%	95.00	95.15	95.15	93.12	93.12	90.29	90.29
YEAR 2022								
FIXED COSTS	\$000/YR	0.00	0.00	1912.00	24121.00	0.00	15882.00	0.00
PERCENT FIRM	%	95.00	95.15	95.15	93.12	93.12	90.29	90.29
YEAR 2023								
FIXED COSTS	\$000/YR	0.00	0.00	1894.00	17075.00	0.00	18778.00	0.00
PERCENT FIRM	%	95.00	95.15	95.15	93.12	93.12	90.29	90.29
YEAR 2024								
FIXED COSTS	\$000/YR	0.00	0.00	1887.00	14665.00	0.00	14543.00	0.00
PERCENT FIRM	%	95.00	95.15	95.15	93.12	93.12	90.29	90.29
YEAR 2025								
FIXED COSTS	\$000/YR	0.00	0.00	3528.00	42777.00	0.00	46664.00	0.00
PERCENT FIRM	%	95.00	95.15	95.15	93.12	93.12	90.29	90.29
YEAR 2026								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PERCENT FIRM	%	95.00	95.15	95.15	93.12	93.12	90.29	90.29
YEAR 2027								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PERCENT FIRM	%	95.00	95.15	95.15	93.12	93.12	90.29	90.29
YEAR 2028								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PERCENT FIRM	%	95.00	95.15	95.15	93.12	93.12	90.29	90.29
YEAR 2029								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PERCENT FIRM	%	95.00	95.15	95.15	93.12	93.12	90.29	90.29
YEAR 2030								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PERCENT FIRM	%	95.00	95.15	95.15	93.12	93.12	90.29	90.29
YEAR 2031								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PERCENT FIRM	%	95.00	95.15	95.15	93.12	93.12	90.29	90.29
YEAR 2032								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PERCENT FIRM	%	95.00	95.15	95.15	93.12	93.12	90.29	90.29
YEAR 2033								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PERCENT FIRM	%	95.00	95.15	95.15	93.12	93.12	90.29	90.29
YEAR 2034								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PERCENT FIRM	%	95.00	95.15	95.15	93.12	93.12	90.29	90.29
YEAR 2035								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PERCENT FIRM	%	95.00	95.15	95.15	93.12	93.12	90.29	90.29
YEAR 2036								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PERCENT FIRM	%	95.00	95.15	95.15	93.12	93.12	90.29	90.29

	YEAR 2037		YEAR 2038		YEAR 2039		YEAR 2040		THERMAL UNIT	
-----	YEAR 2011	275	276	277	278	279	280	281	CLN_Q_HM	CLN_Q_HM
-----	YEAR 2011	CLN_Q_HM 3	CLN_Q_15 3	CVL_3_HM 3	CVL_3_10 3	GIN_5_HM 5	GIN_5_15 5	GIN_6_HM 6		
ANCI LARY REVENUE RATE	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
AVERAGE HEAT RATE AT MAXIMUM	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
AVERAGE HEAT RATE AT MINIMUM	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
AVG HEAT RATE MAXIMUM SEASONAL P		0	0	0	0	0	0	0		
AVG HEAT RATE MINIMUM SEASONAL P		0	0	0	0	0	0	0		
BID PRICE AT INCREMENTAL	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
BID PRICE AT MINIMUM	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
BID PRICE CAPACITY FACTOR	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
BID PRICE COST FACTOR	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
BID PRICE INCREMENTAL SEASONAL P		0	0	0	0	0	0	0		
BID PRICE MINIMUM SEASONAL POINT		0	0	0	0	0	0	0		
CAPACITY REVENUE PROFILE		0	0	0	0	0	0	0		
CAPACITY REVENUE RATE	\$/KW	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
CAPACITY SEGMENT PROFILE		18	18	21	21	29	29	30		
CAPACITY COSTS	\$000	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
DEPARTCH LIBRARY POINTER		75	75	21	21	29	29	30		
DISPATCH PENALTY AT MAXIMUM		1.00	1.00	1.00	1.00	1.00	1.00	1.00		
DISPATCH PENALTY AT MINIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00		
ENERGY MARGIN CAPACITY FACTOR		0.59	0.59	0.00	0.00	0.00	0.00	0.00		
FIXED ANNUAL CAPACITY RATE	FRACTION	11043.00	11043.00	4518.00	0.00	6233.00	5927.00	12244.00		
FIXED COSTS	\$/KW/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
FIXED SEASONAL CAPACITY RATE	\$/KW/SEA	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
HEAT RATE PROFILE		18	18	21	21	29	29	30		
MAINTENANCE REQUIREMENT	WKS/YEAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
MAINTENANCE SEASONAL METHOD		1	1	1	1	1	1	1		
MAINTENANCE SEASONAL POINTER		0	0	0	0	0	0	0		
MATURE FORCED OUTAGE RATE	%	8.47	8.47	13.31	13.31	28.83	28.83	30.55		
NATURE OUTAGE RATE SEASONAL PROF		0	0	0	0	0	0	0		
MAXIMUM CAPACITY	MW	235.00	235.00	165.00	165.00	95.00	95.00	240.00		
MINIMUM CAPACITY	MW	60.00	60.00	40.00	40.00	25.00	25.00	75.00		
MOST RUN INDICATOR		0	0	0	0	0	0	0		
PARTIAL OUTAGE RATE SEASONAL PRO	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
PERCENT FIRM	%	94.50	94.50	94.32	94.32	88.86	88.86	95.37		
RENEWABLE ENERGY CREDIT	RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
SEASONAL VARIABLE COST PROFILE	\$/MWH	0	0	0	0	0	0	0		
VARIABLE O AND M COSTS	\$/MWH	2.95	2.95	3.65	3.65	4.17	4.17	4.17		
-----	YEAR 2012	20218.00	19691.00	14574.00	0.00	7120.00	6814.00	12747.00		
FIXED COSTS	\$000/YR	9.18	9.18	13.31	13.31	33.19	33.19	33.17		
MATURE FORCED OUTAGE RATE	%	93.12	93.12	94.32	94.32	91.20	91.20	94.65		
PERCENT FIRM										
-----	YEAR 2013	14134.00	13607.00	0.00	0.00	6697.00	6391.00	16088.00		
FIXED COSTS	\$000/YR	8.56	8.56	13.31	13.31	37.56	37.56	55.78		
MATURE FORCED OUTAGE RATE	%	92.04	92.04	94.32	94.32	90.03	90.03	96.10		
PERCENT FIRM										

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		275	276	277	278	279	280	281
		CLN_Q_HM 3	CLN_Q_15 3	CVL_3_HM 3	CVL_3_10 3	GLN_5_HM 5	GLN_5_15 5	GLN_6_HM 6
----- YEAR 2014 -----								
FIXED COSTS	\$000/YR	14659.00	13617.00	0.00	0.00	7385.00	6318.00	14219.00
MATURE FORCED OUTAGE RATE	%	8.47	8.47	13.31	13.31	43.67	43.67	37.53
PERCENT FIRM	%	95.15	95.15	94.32	94.32	88.86	88.86	95.37
----- YEAR 2015 -----								
FIXED COSTS	\$000/YR	21383.00	79089.00	0.00	0.00	8896.00	22751.00	14614.00
MATURE FORCED OUTAGE RATE	%	9.18	9.18	13.31	13.31	48.91	48.91	39.28
PERCENT FIRM	%	93.60	93.60	94.32	94.32	88.27	88.27	94.65
----- YEAR 2016 -----								
FIXED COSTS	\$000/YR	16867.00	0.00	0.00	0.00	7840.00	0.00	1730.00
MATURE FORCED OUTAGE RATE	%	9.18	9.18	13.31	13.31	48.91	48.91	41.02
PERCENT FIRM	%	92.52	92.52	94.32	94.32	88.27	88.27	96.10
----- YEAR 2017 -----								
FIXED COSTS	\$000/YR	17474.00	0.00	0.00	0.00	7993.00	0.00	15818.00
MATURE FORCED OUTAGE RATE	%	9.18	9.18	13.31	13.31	48.91	48.91	42.77
PERCENT FIRM	%	95.15	95.15	94.32	94.32	88.27	88.27	95.37
----- YEAR 2018 -----								
FIXED COSTS	\$000/YR	24798.00	0.00	0.00	0.00	8697.00	0.00	15680.00
MATURE FORCED OUTAGE RATE	%	9.18	9.18	13.31	13.31	48.91	48.91	44.53
----- YEAR 2019 -----								
FIXED COSTS	\$000/YR	17041.00	0.00	0.00	0.00	6850.00	0.00	18331.00
----- YEAR 2020 -----								
FIXED COSTS	\$000/YR	15565.00	0.00	0.00	0.00	7163.00	0.00	14746.00
----- YEAR 2021 -----								
FIXED COSTS	\$000/YR	24139.00	0.00	0.00	0.00	7758.00	0.00	14666.00
----- YEAR 2022 -----								
FIXED COSTS	\$000/YR	14373.00	0.00	0.00	0.00	7570.00	0.00	17336.00
----- YEAR 2023 -----								
FIXED COSTS	\$000/YR	17108.00	0.00	0.00	0.00	7528.00	0.00	15286.00
----- YEAR 2024 -----								
FIXED COSTS	\$000/YR	14897.00	0.00	0.00	0.00	7064.00	0.00	13964.00
----- YEAR 2025 -----								
FIXED COSTS	\$000/YR	46342.00	0.00	0.00	0.00	16099.00	0.00	30200.00
----- YEAR 2026 -----								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
----- YEAR 2027 -----								
----- YEAR 2028 -----								
----- YEAR 2029 -----								
----- YEAR 2030 -----								
----- YEAR 2031 -----								
----- YEAR 2032 -----								
----- YEAR 2033 -----								
----- YEAR 2034 -----								
----- YEAR 2035 -----								
----- YEAR 2036 -----								
----- YEAR 2037 -----								
----- YEAR 2038 -----								
----- YEAR 2039 -----								
----- YEAR 2040 -----								
THERMAL UNIT		GLN_6_15 6	KMR_F_HM 1	KMR_F_CP 1	KMR_F_HM 2	KMR_F_CP 2	KMR_F_HM 3	KMR_F_CP 3
----- YEAR 2011 -----								
ANCILLARY REVENUE RATE	\$/MMH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MAXIMUM	MBTU/MMH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MINIMUM	MBTU/MMH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG HEAT RATE MAXIMUM SEASONAL P	\$/MMH	0	0	0	0	0	0	0
AVG HEAT RATE MINIMUM SEASONAL P	\$/MMH	0	0	0	0	0	0	0
BID PRICE AT INCREMENTAL	\$/MMH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM	\$/MMH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL P	%	0	0	0	0	0	0	0
BID PRICE MINIMUM SEASONAL POINT	%	0	0	0	0	0	0	0
CAPACITY REVENUE PROFILE	\$/KW	0	0	0	0	0	0	0
CAPACITY REVENUE RATE	\$/KW	0.00	0.00	0.00	0.00	0.00	0.00	0.00

CAPACITY SEGMENT PROFILE																			
CAPITAL COSTS	\$000	30	0.00	0.00	33	0.00	33	0.00	34	0.00	34	0.00	34	0.00	35	0.00	35	0.00	35
DERATION LIBRARY POINTER		30			33		33		34		34		34		35		35		35
DISPATCH PENALTY AT MAXIMUM		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
DISPATCH PENALTY AT MINIMUM		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ENERGY MARGIN CAPACITY FACTOR		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED ANNUAL CAPACITY RATE	\$/KW/YR	0.00	0.00	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
FIXED COSTS	\$/KW/YR	12244.00	11225.00	11225.00	6851.00	11484.00	6851.00	13939.00	6851.00	13939.00	6851.00	13939.00	6851.00	13939.00	6851.00	13939.00	6851.00	13939.00	6851.00
FIXED SEASONAL CAPACITY RATE	\$/KW/SEA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HEAT RATE PROFILE		30			33		33		34		34		34		35		35		35
MAINTENANCE REQUIREMENT	WKS/YEAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAINTENANCE SEASONAL METHOD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MAINTENANCE SEASONAL POINTER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MATURE FORCED OUTFAGE RATE	%	30.55	11.14	11.14	0	12.60	0	12.37	0	12.37	0	12.37	0	12.37	0	12.37	0	12.37	0
MATURE FORCED OUTFAGE RATE	MM	240.00	210.00	210.00	0	210.00	0	210.00	0	210.00	0	210.00	0	210.00	0	210.00	0	210.00	0
MINIMUM CAPACITY	MM	75.00	110.00	110.00	0	110.00	0	110.00	0	110.00	0	110.00	0	110.00	0	110.00	0	110.00	0
MOST RUN INDICATOR	%	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PARTIAL OUTFAGE RATE	%	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
PARTIAL OUTFAGE RATE SEASONAL PROF	%	95.37	0	0	0	91.17	0	91.17	0	87.70	0	88.14	0	88.14	0	88.14	0	88.14	0
PERCENT FIRM	RATIO	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
RENEWABLE ENERGY CREDIT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SEASONAL VARIABLE COST PROFILE	\$/MWH	4.17	3.48	3.48	0	3.48	0	3.48	0	3.48	0	3.48	0	3.48	0	3.48	0	3.48	0
VARIABLE O AND M COSTS																			
----- YEAR 2012 -----																			
FIXED COSTS	\$000/YR	12747.00	17550.00	6961.00	18647.00	6961.00	11882.00	6961.00	18647.00	6961.00	11882.00	6961.00	18647.00	6961.00	11882.00	6961.00	18647.00	6961.00	18647.00
MATURE FORCED OUTFAGE RATE	%	33.17	11.14	11.14	12.84	12.84	13.22	12.84	12.84	12.84	13.22	12.84	12.84	13.22	12.84	12.84	13.22	12.84	12.84
PERCENT FIRM	%	94.65	91.17	91.17	87.47	87.47	87.32	87.47	87.47	87.47	87.32	87.47	87.47	87.32	87.47	87.47	87.32	87.47	87.32
----- YEAR 2013 -----																			
FIXED COSTS	\$000/YR	15676.00	11906.00	7074.00	14736.00	7074.00	17657.00	7074.00	14736.00	7074.00	17657.00	7074.00	14736.00	7074.00	17657.00	7074.00	14736.00	7074.00	14736.00
MATURE FORCED OUTFAGE RATE	%	35.78	13.36	13.36	14.45	14.45	14.07	14.45	14.45	14.45	14.07	14.45	14.45	14.07	14.45	14.45	14.07	14.45	14.07
PERCENT FIRM	%	96.10	89.41	89.41	85.90	85.90	86.50	85.90	85.90	85.90	86.50	85.90	85.90	86.50	85.90	85.90	86.50	85.90	86.50
----- YEAR 2014 -----																			
FIXED COSTS	\$000/YR	12761.00	14440.00	7191.00	12688.00	7191.00	15291.00	7191.00	12688.00	7191.00	15291.00	7191.00	12688.00	7191.00	15291.00	7191.00	12688.00	7191.00	12688.00
MATURE FORCED OUTFAGE RATE	%	37.53	17.08	17.08	18.91	18.91	14.93	14.93	18.91	18.91	14.93	14.93	18.91	18.91	14.93	14.93	18.91	18.91	14.93
PERCENT FIRM	%	95.37	86.47	86.47	84.57	84.57	85.69	84.57	84.57	84.57	85.69	84.57	84.57	85.69	84.57	84.57	85.69	84.57	85.69
----- YEAR 2015 -----																			
FIXED COSTS	\$000/YR	44383.00	18034.00	22907.00	18472.00	22907.00	13256.00	22907.00	18472.00	22907.00	13256.00	22907.00	18472.00	22907.00	13256.00	22907.00	18472.00	22907.00	18472.00
MATURE FORCED OUTFAGE RATE	%	39.28	17.08	17.08	15.81	15.81	14.93	14.93	15.81	15.81	14.93	14.93	15.81	15.81	14.93	14.93	15.81	15.81	14.93
PERCENT FIRM	%	94.65	86.47	86.47	84.57	84.57	85.69	84.57	84.57	84.57	85.69	84.57	84.57	85.69	84.57	84.57	85.69	84.57	85.69
----- YEAR 2016 -----																			
FIXED COSTS	\$000/YR	0.00	13295.00	0.00	16124.00	0.00	19045.00	0.00	16124.00	0.00	19045.00	0.00	16124.00	0.00	19045.00	0.00	16124.00	0.00	16124.00
MATURE FORCED OUTFAGE RATE	%	41.02	37.08	37.08	35.81	35.81	14.93	14.93	35.81	35.81	14.93	14.93	35.81	35.81	14.93	14.93	35.81	35.81	14.93
PERCENT FIRM	%	96.10	86.47	86.47	84.57	84.57	85.69	84.57	84.57	84.57	85.69	84.57	84.57	85.69	84.57	84.57	85.69	84.57	85.69
----- YEAR 2017 -----																			
FIXED COSTS	\$000/YR	0.00	15852.00	0.00	14089.00	0.00	16702.00	0.00	14089.00	0.00	16702.00	0.00	14089.00	0.00	16702.00	0.00	14089.00	0.00	14089.00
MATURE FORCED OUTFAGE RATE	%	42.77	17.08	17.08	15.91	15.91	14.93	14.93	15.91	15.91	14.93	14.93	15.91	15.91	14.93	14.93	15.91	15.91	14.93
PERCENT FIRM	%	95.37	86.47	86.47	84.57	84.57	85.69	84.57	84.57	84.57	85.69	84.57	84.57	85.69	84.57	84.57	85.69	84.57	85.69
----- YEAR 2018 -----																			
FIXED COSTS	\$000/YR	0.00	18394.00	0.00	19033.00	0.00	13521.00	0.00	19033.00	0.00	13521.00	0.00	19033.00	0.00	13521.00	0.00	19033.00	0.00	19033.00
MATURE FORCED OUTFAGE RATE	%	44.51	17.08	17.08	15.81	15.81	14.93	14.93	15.81	15.81	14.93	14.93	15.81	15.81	14.93	14.93	15.81	15.81	14.93
PERCENT FIRM	%	95.37	86.47	86.47	84.57	84.57	85.69	84.57	84.57	84.57	85.69	84.57	84.57	85.69	84.57	84.57	85.69	84.57	85.69
----- YEAR 2019 -----																			
FIXED COSTS	\$000/YR	0.00	11334.00	0.00	11057.00	0.00	15497.00	0.00	11057.00	0.00	15497.00	0.00	11057.00	0.00	15497.00	0.00	11057.00	0.00	11057.00

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT

	282	283	284	285	286	287	288
	GJA_6_15	KMR_F_HM	KMR_F_GP	KMR_F_HM	KMR_F_GP	KMR_F_HM	KMR_F_GP
	6	1	1	2	2	3	3
YEAR 2020	0.00	13889.00	0.00	8828.00	0.00	11028.00	0.00
FIXED COSTS							
YEAR 2021	0.00	17120.00	0.00	14624.00	0.00	8804.00	0.00
FIXED COSTS							
YEAR 2022	0.00	8979.00	0.00	11368.00	0.00	14604.00	0.00
FIXED COSTS							
YEAR 2023	0.00	11204.00	0.00	9154.00	0.00	11202.00	0.00
FIXED COSTS							
YEAR 2024	0.00	14823.00	0.00	11384.00	0.00	9193.00	0.00
FIXED COSTS							
YEAR 2025	0.00	36630.00	0.00	27438.00	0.00	29042.00	0.00
FIXED COSTS							
YEAR 2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS							
YEAR 2027	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS							
YEAR 2028	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS							
YEAR 2029	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS							
YEAR 2030	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS							
YEAR 2031	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS							
YEAR 2032	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS							
YEAR 2033	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS							
YEAR 2034	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS							
YEAR 2035	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS							
YEAR 2036	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS							
YEAR 2037	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS							
YEAR 2038	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS							
YEAR 2039	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS							
YEAR 2040	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS							

THERMAL UNIT

	289	290	291	292	293	294	295
	KWA_1_HM	KWA_1_15	KWA_2_HM	KWA_2_15	MSKRL_HM	MSKRL_12	MSKR2_HM
	1	1	2	2	1	1	2
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ANGULAR REVENUE RATE							
AVERAGE HEAT RATE AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG HEAT RATE MAXIMUM SEASONAL P	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT INCREMENTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL P	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE MINIMUM SEASONAL POINT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY REVENUE PROFILE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY REVENUE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY SEGMENT PROFILE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPITAL COSTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DERATION LIBRARY POINTER	36	36	37	37	46	46	47
DISPATCH PENALTY AT MAXIMUM	1.00	1.00	1.00	1.00	1.00	1.00	1.00
DISPATCH PENALTY AT MINIMUM	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ENERGY MARGIN CAPACITY FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED ANNUAL CAPACITY RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	14690.00	14690.00	16443.00	15497.00	14032.00	12427.00	13959.00
FIXED SEASONAL CAPACITY RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL RATE PROFILE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HEAT RATE PROFILE	35	36	37	37	45	46	47
MAINTENANCE REQUIREMENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAINTENANCE SEASONAL METHOD	1	1	1	1	1	1	1
MAINTENANCE SEASONAL POINTER	7.28	7.28	8.89	8.89	8.65	8.65	7.89
MAINTENANCE SEASONAL RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MATURE OUTAGE RATE SEASONAL PROF	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAXIMUM CAPACITY	200.00	200.00	200.00	200.00	205.00	205.00	205.00
MINIMUM CAPACITY	50.00	50.00	50.00	50.00	60.00	60.00	60.00
MUST RUN INDICATOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PARTIAL OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PARTIAL OUTAGE RATE SEASONAL PRO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PERCENT FIRM	95.94	95.94	94.62	94.62	91.88	91.88	92.14
RENEWABLE ENERGY CREDIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEASONAL VARIABLE COST PROFILE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VARIABLE O AND M COSTS	4.07	4.07	4.07	4.07	1.96	1.96	1.96
YEAR 2012							

4-Company East Optimization

FIXED COSTS	\$000/YR	10114.00	10114.00	10921.00	10921.00	13209.00	89928.00	12731.00
NATURE FORCED OUTAGE RATE	%	7.92	7.92	6.87	6.87	5.66	5.66	7.89
PERCENT FIRM		95.32	95.32	94.61	94.61	90.95	90.95	91.86
----- YEAR 2013 -----								
FIXED COSTS	\$000/YR	11447.00	10251.00	12253.00	11058.00	14683.00	0.00	14057.00
NATURE FORCED OUTAGE RATE	%	8.88	8.88	7.73	7.73	5.66	5.66	7.89
PERCENT FIRM		94.39	94.39	93.51	93.51	90.95	90.95	91.86
----- YEAR 2014 -----								
FIXED COSTS	\$000/YR	10936.00	10516.00	11742.00	11323.00	12383.00	0.00	12556.00
NATURE FORCED OUTAGE RATE	%	10.23	10.23	8.95	8.95	8.66	8.66	7.89
PERCENT FIRM		93.09	93.09	91.98	91.98	90.95	90.95	91.86
----- YEAR 2015 -----								
FIXED COSTS	\$000/YR	21882.00	31627.00	20798.00	40199.00	65366.00	0.00	68388.00
NATURE FORCED OUTAGE RATE	%	9.38	9.38	8.18	8.18	5.66	5.66	7.89
PERCENT FIRM		93.91	93.91	92.96	92.96	90.95	90.95	91.86
----- YEAR 2016 -----								
FIXED COSTS	\$000/YR	15656.00	0.00	16463.00	0.00	0.00	0.00	0.00
NATURE FORCED OUTAGE RATE	%	9.47	9.47	8.26	8.26	5.66	5.66	7.89
PERCENT FIRM		93.82	93.82	92.85	92.85	90.95	90.95	91.86
----- YEAR 2017 -----								
FIXED COSTS	\$000/YR	16760.00	0.00	18422.00	0.00	0.00	0.00	0.00
NATURE FORCED OUTAGE RATE	%	10.47	10.47	9.15	9.15	5.66	5.66	7.89
PERCENT FIRM		92.86	92.86	91.71	91.71	90.95	90.95	91.86
----- YEAR 2018 -----								
FIXED COSTS	\$000/YR	16104.00	0.00	16910.00	0.00	0.00	0.00	0.00
----- YEAR 2019 -----								
FIXED COSTS	\$000/YR	22533.00	0.00	23339.00	0.00	0.00	0.00	0.00
----- YEAR 2020 -----								
FIXED COSTS	\$000/YR	17390.00	0.00	18196.00	0.00	0.00	0.00	0.00
----- YEAR 2021 -----								
FIXED COSTS	\$000/YR	17600.00	0.00	17600.00	0.00	0.00	0.00	0.00
----- YEAR 2022 -----								
FIXED COSTS	\$000/YR	16820.00	0.00	16820.00	0.00	0.00	0.00	0.00
----- YEAR 2023 -----								
FIXED COSTS	\$000/YR	16562.00	0.00	16562.00	0.00	0.00	0.00	0.00
----- YEAR 2024 -----								
FIXED COSTS	\$000/YR	16211.00	0.00	16211.00	0.00	0.00	0.00	0.00
----- YEAR 2025 -----								
FIXED COSTS	\$000/YR	59061.00	0.00	27914.00	0.00	0.00	0.00	0.00
----- YEAR 2026 -----								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
----- YEAR 2027 -----								
----- YEAR 2028 -----								
----- YEAR 2029 -----								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THEMAL UNIT	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
KWA_1_HM_1	289	290	291	292	293	294	295				
KWA_1_15											
KWA_2_HM_2											
KWA_2_15											
MSKR1_HM_1											
MSKR1_12											
MSKR2_HM_2											
MSKR2_12											
MSKR3_GP_3											
MSKR4_GP_4											
M4HM_12_4											
PICWY_HM_5											
PICWY_GP_5											

THEMAL UNIT	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019
ANCIILARY REVENUE RATE	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MAXIMUM	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MINIMUM	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG HEAT RATE MAXIMUM SEASONAL P	%	0	0	0	0	0	0	0	0
AVG HEAT RATE MINIMUM SEASONAL P	%	0	0	0	0	0	0	0	0
BID PRICE AT INCREMENTAL	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL P	%	0	0	0	0	0	0	0	0
BID PRICE MINIMUM SEASONAL POINT	%	0	0	0	0	0	0	0	0
CAPACITY REVENUE PROFILE	\$/KW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY REVENUE RATE	\$/KW	47	48	48	49	49	56	56	56
CAPACITY SEGMENT PROFILE	\$/KW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPITAL COSTS	\$/KW	47	48	48	49	49	56	56	56
DERATION LIBRARY POINTER		47	48	48	49	49	56	56	56
DISPATCH PENALTY AT MAXIMUM		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
DISPATCH PENALTY AT MINIMUM		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ENERGY MARGIN CAPACITY FACTOR		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED ANNUAL CAPACITY RATE	\$/KW/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	\$/KW/SEA	12353.00	13542.00	13737.00	11857.00	11921.00	8729.00	4828.00	0.00
FIXED SEASONAL CAPACITY RATE	\$/KW/SEA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL RATE PROFILE		0	0	0	0	0	0	0	0
HEAT RATE PROFILE		47	48	48	49	49	56	56	56
MAINTENANCE REQUIREMENT	WRS/YEAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAINTENANCE SEASONAL METHOD		1	1	1	1	1	1	1	1
MAINTENANCE SEASONAL POINTER		1	1	1	1	1	1	1	1
MATURE FORCED OUTAGE RATE	%	7.89	6.14	6.14	10.36	10.36	10.91	10.91	10.91
MATURE OUTAGE RATE SEASONAL PROF		0	0	0	0	0	0	0	0
MAXIMUM CAPACITY	MW	205.00	215.00	215.00	215.00	215.00	100.00	100.00	100.00
MINIMUM CAPACITY	MW	60.00	80.00	80.00	80.00	80.00	10.00	10.00	10.00
MUST RUN INDICATOR	%	0	0	0	0	0	0	0	0
PARTIAL OUTAGE RATE	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PARTIAL OUTAGE RATE SEASONAL PRO	%	92.14	94.75	94.75	91.88	91.88	90.47	90.47	90.47
PERCENT FIRM	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RENEWABLE ENERGY CREDIT	RATIO	0	0	0	0	0	0	0	0
SEASONAL VARIABLE COST PROFILE	\$/MWH	1.96	1.96	1.96	1.96	1.96	5.20	5.20	5.20
VARIABLE O AND M COSTS	\$/MWH	1.96	1.96	1.96	1.96	1.96	5.20	5.20	5.20
YEAR 2012									
FIXED COSTS	\$/KW/YR	89293.00	12725.00	107906.00	11929.00	93865.00	6805.00	4936.00	
MATURE FORCED OUTAGE RATE	%	7.89	6.14	6.14	10.36	10.36	10.91	10.91	
PERCENT FIRM	%	91.86	94.32	94.32	91.27	91.27	92.45	92.45	
YEAR 2013									
FIXED COSTS	\$/KW/YR	0.00	13362.00	0.00	12566.00	0.00	5918.00	5055.00	
PERCENT FIRM	%	91.86	94.32	94.32	91.27	91.27	91.56	91.56	
YEAR 2014									
FIXED COSTS	\$/KW/YR	0.00	12811.00	0.00	12015.00	0.00	9913.00	5181.00	
PERCENT FIRM	%	91.86	94.32	94.32	91.27	91.27	90.47	90.47	
YEAR 2015									
FIXED COSTS	\$/KW/YR	0.00	68348.00	0.00	59315.00	0.00	8484.00	6332.00	
PERCENT FIRM	%	91.86	94.32	94.32	91.27	91.27	89.74	89.74	
YEAR 2016									
FIXED COSTS	\$/KW/YR	0.00	0.00	0.00	0.00	0.00	6974.00	0.00	
YEAR 2017									
FIXED COSTS	\$/KW/YR	0.00	0.00	0.00	0.00	0.00	10467.00	0.00	
YEAR 2018									
FIXED COSTS	\$/KW/YR	0.00	0.00	0.00	0.00	0.00	9100.00	0.00	
YEAR 2019									
FIXED COSTS	\$/KW/YR	0.00	0.00	0.00	0.00	0.00	7317.00	0.00	

FIXED COSTS	YEAR 2020	0.00	0.00	0.00	0.00	0.00	10918.00	0.00
FIXED COSTS	YEAR 2021	0.00	0.00	0.00	0.00	0.00	9625.00	0.00
FIXED COSTS	YEAR 2022	0.00	0.00	0.00	0.00	0.00	7822.00	0.00
FIXED COSTS	YEAR 2023	0.00	0.00	0.00	0.00	0.00	11297.00	0.00
FIXED COSTS	YEAR 2024	0.00	0.00	0.00	0.00	0.00	9694.00	0.00
FIXED COSTS	YEAR 2025	0.00	0.00	0.00	0.00	0.00	12499.00	0.00
FIXED COSTS	YEAR 2026	0.00	0.00	0.00	0.00	0.00		
FIXED COSTS	YEAR 2027	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	YEAR 2028							
FIXED COSTS	YEAR 2029							
FIXED COSTS	YEAR 2030							
FIXED COSTS	YEAR 2031							
FIXED COSTS	YEAR 2032							
FIXED COSTS	YEAR 2033							
FIXED COSTS	YEAR 2034							
FIXED COSTS	YEAR 2035							
FIXED COSTS	YEAR 2036							
FIXED COSTS	YEAR 2037							
FIXED COSTS	YEAR 2038							
FIXED COSTS	YEAR 2039							
FIXED COSTS	YEAR 2040							

THERMAL UNIT									
	YEAR 2011								
ANCILLARY REVENUE RATE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MAXIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MINIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MINIMUM P		0	0	0	0	0	0	0	0
AVG HEAT RATE MAXIMUM SEASONAL P		0	0	0	0	0	0	0	0
AVG HEAT RATE MINIMUM SEASONAL P		0	0	0	0	0	0	0	0
BID PRICE AT INCREMENTAL		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THEMAL UNIT	303	304	305	306	307	308	309
	SP1_F_HM 1	SP1_F_15 1	SP2_F_HM 2	SP2_F_15 2	SP3_Q_HM 3	SP3_Q_15 3	SP4_Q_HM 4
YEAR 2011	-----						
BID PRICE CAPACITY FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL P	0	0	0	0	0	0	0
BID PRICE MINIMUM SEASONAL POINT	0	0	0	0	0	0	0
CAPACITY REVENUE PROFILE	0	0	0	0	0	0	0
CAPACITY REVENUE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY SEGMENT PROFILE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPITAL COSTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEPARTION LIBRARY POINTER	104	104	104	104	104	104	104
DISPATCH PENALTY AT MAXIMUM	1.00	1.00	1.00	1.00	1.00	1.00	1.00
DISPATCH PENALTY AT MINIMUM	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ENERGY MARGIN CAPACITY FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED ANNUAL CAPACITY RATE	0.09	0.09	0.09	0.09	0.09	0.09	0.09
FIXED COSTS	10579.00	10579.00	16019.00	12213.00	9960.00	9960.00	9382.00
FIXED SEASONAL CAPACITY RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL RATE PROFILE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HEAT RATE PROFILE	51	51	52	52	53	53	54
MAINTENANCE REQUIREMENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAINTENANCE SEASONAL METHOD	1	1	1	1	1	1	1
MAINTENANCE SEASONAL POINTER	1	1	1	1	1	1	1
MATURE FORCED OUTAGE RATE	10.00	10.00	25.18	25.18	24.12	26.12	23.49
MATURE OUTAGE RATE SEASONAL PROF	0	0	0	0	0	0	0
MAXIMUM CAPACITY	150.00	150.00	150.00	150.00	150.00	150.00	150.00
MINIMUM CAPACITY	35.00	35.00	35.00	35.00	35.00	35.00	35.00
MOST RUN INDICATOR	0	0	0	0	0	0	0
PARTIAL OUTAGE RATE SEASONAL PRO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PERCENT FIRM	0	0	0	0	0	0	0
RENEWABLE ENERGY CREDIT	90.38	90.38	91.18	91.18	93.09	93.09	94.25
SEASONAL VARIABLE COST PROFILE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VARIABLE O AND M COSTS	3.07	3.07	3.98	3.98	3.07	3.07	3.98
YEAR 2012	-----						
FIXED COSTS	10281.00	10281.00	9434.00	7620.00	10281.00	10281.00	9623.00
MATURE FORCED OUTAGE RATE	11.30	11.30	29.80	29.80	29.82	29.82	27.18
MATURE OUTAGE RATE SEASONAL PROF	0	0	0	0	0	0	0
PERCENT FIRM	90.04	90.04	92.39	92.39	92.75	92.73	93.92
YEAR 2013	-----						
FIXED COSTS	16014.00	15294.00	10494.00	8680.00	14643.00	14643.00	9995.00
MATURE FORCED OUTAGE RATE	12.17	12.17	33.27	33.27	33.24	33.24	31.50
MATURE OUTAGE RATE SEASONAL PROF	0	0	0	0	0	0	0
PERCENT FIRM	91.87	91.87	91.98	91.98	92.36	92.36	93.60
YEAR 2014	-----						
FIXED COSTS	12023.00	10630.00	11461.00	7930.00	12551.00	10926.00	15962.00
MATURE FORCED OUTAGE RATE	9.13	9.13	37.27	37.27	37.20	37.20	35.46
MATURE OUTAGE RATE SEASONAL PROF	0	0	0	0	0	0	0
PERCENT FIRM	91.52	91.52	91.58	91.58	93.09	93.09	93.28
YEAR 2015	-----						
FIXED COSTS	14977.00	50874.00	16741.00	31841.00	13214.00	54129.00	11607.00
MATURE FORCED OUTAGE RATE	10.42	10.42	41.18	41.18	41.00	41.00	39.83
MATURE OUTAGE RATE SEASONAL PROF	0	0	0	0	0	0	0
PERCENT FIRM	91.16	91.16	91.18	91.18	92.73	92.73	93.92
YEAR 2016	-----						
FIXED COSTS	14176.00	0.00	11427.00	0.00	13040.00	0.00	13056.00
MATURE FORCED OUTAGE RATE	12.17	0.00	45.00	45.00	44.85	44.85	43.99
MATURE OUTAGE RATE SEASONAL PROF	0	0	0	0	0	0	0
PERCENT FIRM	90.81	90.81	92.39	92.39	92.36	92.36	93.60
YEAR 2017	-----						
FIXED COSTS	17154.00	0.00	13973.00	0.00	15345.00	0.00	12514.00
MATURE FORCED OUTAGE RATE	9.56	0.00	48.91	48.91	48.72	48.72	48.74
MATURE OUTAGE RATE SEASONAL PROF	0	0	0	0	0	0	0
PERCENT FIRM	90.45	90.45	91.98	91.98	92.00	92.00	93.28
YEAR 2018	-----						
FIXED COSTS	13420.00	0.00	12841.00	0.00	12982.00	0.00	17672.00
MATURE FORCED OUTAGE RATE	6.99	0.00	48.91	48.91	48.72	48.72	48.74
MATURE OUTAGE RATE SEASONAL PROF	0	0	0	0	0	0	0
PERCENT FIRM	90.45	90.45	91.98	91.98	92.00	92.00	93.28
YEAR 2019	-----						
FIXED COSTS	11920.00	0.00	18085.00	0.00	13050.00	0.00	11960.00
FIXED COSTS	11814.00	0.00	11868.00	0.00	10662.00	0.00	10837.00
FIXED COSTS	16755.00	0.00	11078.00	0.00	15589.00	0.00	10807.00
FIXED COSTS	12123.00	0.00	11353.00	0.00	10871.00	0.00	16631.00
FIXED COSTS	11516.00	0.00	16896.00	0.00	11349.00	0.00	10983.00
FIXED COSTS	9369.00	0.00	9422.00	0.00	9110.00	0.00	9191.00
FIXED COSTS	28973.00	0.00	28200.00	0.00	28524.00	0.00	26651.00
FIXED COSTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2027	-----						
YEAR 2028	-----						

	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
ANCLILARY REVENUE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG HEAT RATE MAXIMUM SEASONAL P	0	0	0	0	0	0	0	0	0	0	0	0
AVG HEAT RATE MINIMUM SEASONAL P	0	0	0	0	0	0	0	0	0	0	0	0
BID PRICE AT INCREMENTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL P	0	0	0	0	0	0	0	0	0	0	0	0
BID PRICE MINIMUM SEASONAL POINT	0	0	0	0	0	0	0	0	0	0	0	0
CAPACITY REVENUE PROFILE	0	0	0	0	0	0	0	0	0	0	0	0
CAPACITY REVENUE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY SEGMENT PROFILE	0	0	0	0	0	0	0	0	0	0	0	0
CAPITAL COSTS	54	55	55	55	55	55	55	55	55	55	55	55
DERATION LIBRARY POINTER	104	55	55	55	55	55	55	55	55	55	55	55
DISPATCH PENALTY AT MAXIMUM	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
DISPATCH PENALTY AT MINIMUM	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ENERGY MARGIN CAPACITY FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED ANNUAL CAPACITY RATE	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	9382.00	22050.00	22050.00	22050.00	22050.00	22050.00	22050.00	22050.00	22050.00	22050.00	22050.00	22050.00
FIXED SEASONAL CAPACITY RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL RATE PROFILE	0	0	0	0	0	0	0	0	0	0	0	0
HEAT RATE PROFILE	54	55	55	55	55	55	55	55	55	55	55	55
MAINTENANCE REQUIREMENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAINTENANCE SEASONAL POINTER	1	1	1	1	1	1	1	1	1	1	1	1
MAINTENANCE SEASONAL METHOD	0	0	0	0	0	0	0	0	0	0	0	0
MATURE FORCED OUTAGE RATE	23.49	33.47	33.47	33.47	33.47	33.47	33.47	33.47	33.47	33.47	33.47	33.47
MATURE FORCED OUTAGE RATE	0	0	0	0	0	0	0	0	0	0	0	0
MATURE OUTAGE RATE SEASONAL PROF	0	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM CAPACITY	150.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00
MINIMUM CAPACITY	35.00	250.00	250.00	250.00	250.00	250.00	250.00	250.00	250.00	250.00	250.00	250.00
MUST RUN INDICATOR	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THEMAL UNIT	SP4_Q15 4	SP5_HM 5	SP5_I5 5	TNR_F_HM 1	TNR_F_I5 1	TNR_F_HM 2	TNR_F_I5 2
----- YEAR 2011 -----							
PARTIAL OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PARTIAL OUTAGE RATE SEASONAL PRO	0	0	0	0	0	0	0
PERCENT FIRM	94.25	71.95	71.95	93.65	93.65	93.68	93.68
RENEWABLE ENERGY CREDIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEASONAL VARIABLE COST PROFILE	0	0	0	0	0	0	0
VARIABLE O AND M COSTS	3.98	3.98	3.98	3.58	3.58	3.58	3.58
----- YEAR 2012 -----							
FIXED COSTS	9623.00	16082.00	0.00	7099.00	5230.00	21491.00	19326.00
MATURE FORCED OUTAGE RATE	27.18	33.47	33.47	9.31	9.31	7.21	7.21
PERCENT FIRM	93.92	71.95	71.95	93.40	93.40	93.43	93.43
----- YEAR 2013 -----							
FIXED COSTS	9995.00	51625.00	0.00	10052.00	8183.00	8028.00	5795.00
MATURE FORCED OUTAGE RATE	31.50	33.47	33.47	13.43	13.43	12.17	12.17
PERCENT FIRM	93.60	71.95	71.95	93.21	93.21	94.05	94.05
----- YEAR 2014 -----							
FIXED COSTS	9641.00	0.00	0.00	7697.00	5688.00	8026.00	5652.00
MATURE FORCED OUTAGE RATE	35.46	33.47	33.47	17.91	17.91	18.47	18.47
PERCENT FIRM	93.28	71.95	71.95	93.11	93.11	94.05	94.05
----- YEAR 2015 -----							
FIXED COSTS	43052.00	0.00	0.00	16786.00	23645.00	11410.00	25976.00
MATURE FORCED OUTAGE RATE	39.33	33.47	33.47	22.39	22.39	26.59	26.59
PERCENT FIRM	93.92	71.95	71.95	93.02	93.02	93.80	93.80
----- YEAR 2016 -----							
FIXED COSTS	0.00	0.00	0.00	9667.00	0.00	8633.00	0.00
MATURE FORCED OUTAGE RATE	43.99	33.47	33.47	26.86	26.86	36.50	36.50
PERCENT FIRM	93.60	71.95	71.95	93.02	93.02	93.80	93.80
----- YEAR 2017 -----							
FIXED COSTS	0.00	0.00	0.00	13269.00	0.00	9419.00	0.00
MATURE FORCED OUTAGE RATE	48.74	33.47	33.47	44.77	44.77	54.07	54.07
PERCENT FIRM	93.28	71.95	71.95	93.02	93.02	93.80	93.80
----- YEAR 2018 -----							
FIXED COSTS	0.00	0.00	0.00	10017.00	0.00	9877.00	0.00
MATURE FORCED OUTAGE RATE	0.00	0.00	0.00	7436.00	0.00	12812.00	0.00
PERCENT FIRM	0.00	0.00	0.00	93.02	93.02	93.80	93.80
----- YEAR 2019 -----							
FIXED COSTS	0.00	0.00	0.00	14051.00	0.00	9395.00	0.00
MATURE FORCED OUTAGE RATE	0.00	0.00	0.00	7974.00	0.00	12869.00	0.00
PERCENT FIRM	0.00	0.00	0.00	93.02	93.02	93.80	93.80
----- YEAR 2020 -----							
FIXED COSTS	0.00	0.00	0.00	8338.00	0.00	7428.00	0.00
MATURE FORCED OUTAGE RATE	0.00	0.00	0.00	8027.00	0.00	7116.00	0.00
PERCENT FIRM	0.00	0.00	0.00	93.02	93.02	93.80	93.80
----- YEAR 2021 -----							
FIXED COSTS	0.00	0.00	0.00	18197.00	0.00	20560.00	0.00
MATURE FORCED OUTAGE RATE	0.00	0.00	0.00	7116.00	0.00	7116.00	0.00
PERCENT FIRM	0.00	0.00	0.00	93.02	93.02	93.80	93.80
----- YEAR 2022 -----							
FIXED COSTS	0.00	0.00	0.00	15700.00	0.00	48.22	48.22
MATURE FORCED OUTAGE RATE	0.00	0.00	0.00	93.80	93.80	93.80	93.80
PERCENT FIRM	0.00	0.00	0.00	93.02	93.02	93.80	93.80
----- YEAR 2023 -----							
FIXED COSTS	0.00	0.00	0.00	9419.00	0.00	54.07	54.07
MATURE FORCED OUTAGE RATE	0.00	0.00	0.00	7428.00	0.00	7428.00	0.00
PERCENT FIRM	0.00	0.00	0.00	93.02	93.02	93.80	93.80
----- YEAR 2024 -----							
FIXED COSTS	0.00	0.00	0.00	9419.00	0.00	54.07	54.07
MATURE FORCED OUTAGE RATE	0.00	0.00	0.00	7428.00	0.00	7428.00	0.00
PERCENT FIRM	0.00	0.00	0.00	93.02	93.02	93.80	93.80
----- YEAR 2025 -----							
FIXED COSTS	0.00	0.00	0.00	9419.00	0.00	54.07	54.07
MATURE FORCED OUTAGE RATE	0.00	0.00	0.00	7428.00	0.00	7428.00	0.00
PERCENT FIRM	0.00	0.00	0.00	93.02	93.02	93.80	93.80
----- YEAR 2026 -----							
FIXED COSTS	0.00	0.00	0.00	9419.00	0.00	54.07	54.07
MATURE FORCED OUTAGE RATE	0.00	0.00	0.00	7428.00	0.00	7428.00	0.00
PERCENT FIRM	0.00	0.00	0.00	93.02	93.02	93.80	93.80
----- YEAR 2027 -----							
FIXED COSTS	0.00	0.00	0.00	9419.00	0.00	54.07	54.07
MATURE FORCED OUTAGE RATE	0.00	0.00	0.00	7428.00	0.00	7428.00	0.00
PERCENT FIRM	0.00	0.00	0.00	93.02	93.02	93.80	93.80
----- YEAR 2028 -----							
FIXED COSTS	0.00	0.00	0.00	9419.00	0.00	54.07	54.07
MATURE FORCED OUTAGE RATE	0.00	0.00	0.00	7428.00	0.00	7428.00	0.00
PERCENT FIRM	0.00	0.00	0.00	93.02	93.02	93.80	93.80
----- YEAR 2029 -----							
FIXED COSTS	0.00	0.00	0.00	9419.00	0.00	54.07	54.07
MATURE FORCED OUTAGE RATE	0.00	0.00	0.00	7428.00	0.00	7428.00	0.00
PERCENT FIRM	0.00	0.00	0.00	93.02	93.02	93.80	93.80
----- YEAR 2030 -----							
FIXED COSTS	0.00	0.00	0.00	9419.00	0.00	54.07	54.07
MATURE FORCED OUTAGE RATE	0.00	0.00	0.00	7428.00	0.00	7428.00	0.00
PERCENT FIRM	0.00	0.00	0.00	93.02	93.02	93.80	93.80
----- YEAR 2031 -----							
FIXED COSTS	0.00	0.00	0.00	9419.00	0.00	54.07	54.07
MATURE FORCED OUTAGE RATE	0.00	0.00	0.00	7428.00	0.00	7428.00	0.00
PERCENT FIRM	0.00	0.00	0.00	93.02	93.02	93.80	93.80
----- YEAR 2032 -----							
FIXED COSTS	0.00	0.00	0.00	9419.00	0.00	54.07	54.07
MATURE FORCED OUTAGE RATE	0.00	0.00	0.00	7428.00	0.00	7428.00	0.00
PERCENT FIRM	0.00	0.00	0.00	93.02	93.02	93.80	93.80
----- YEAR 2033 -----							
FIXED COSTS	0.00	0.00	0.00	9419.00	0.00	54.07	54.07
MATURE FORCED OUTAGE RATE	0.00	0.00	0.00	7428.00	0.00	7428.00	0.00
PERCENT FIRM	0.00	0.00	0.00	93.02	93.02	93.80	93.80
----- YEAR 2034 -----							
FIXED COSTS	0.00	0.00	0.00	9419.00	0.00	54.07	54.07
MATURE FORCED OUTAGE RATE	0.00	0.00	0.00	7428.00	0.00	7428.00	0.00
PERCENT FIRM	0.00	0.00	0.00	93.02	93.02	93.80	93.80
----- YEAR 2035 -----							
FIXED COSTS	0.00	0.00	0.00	9419.00	0.00	54.07	54.07
MATURE FORCED OUTAGE RATE	0.00	0.00	0.00	7428.00	0.00	7428.00	0.00
PERCENT FIRM	0.00	0.00	0.00	93.02	93.02	93.80	93.80
----- YEAR 2036 -----							
FIXED COSTS	0.00	0.00	0.00	9419.00	0.00	54.07	54.07
MATURE FORCED OUTAGE RATE	0.00	0.00	0.00	7428.00	0.00	7428.00	0.00
PERCENT FIRM	0.00	0.00	0.00	93.02	93.02	93.80	93.80
----- YEAR 2037 -----							
FIXED COSTS	0.00	0.00	0.00	9419.00	0.00	54.07	54.07
MATURE FORCED OUTAGE RATE	0.00	0.00	0.00	7428.00	0.00	7428.00	0.00
PERCENT FIRM	0.00	0.00	0.00	93.02	93.02	93.80	93.80
----- YEAR 2038 -----							
FIXED COSTS	0.00	0.00	0.00	9419.00	0.00	54.07	54.07
MATURE FORCED OUTAGE RATE	0.00	0.00	0.00	7428.00	0.00	7428.00	0.00
PERCENT FIRM	0.00	0.00	0.00	93.02	93.02	93.80	93.80
----- YEAR 2039 -----							
FIXED COSTS	0.00	0.00	0.00	9419.00	0.00	54.07	54.07
MATURE FORCED OUTAGE RATE	0.00	0.00	0.00	7428.00	0.00	7428.00	0.00
PERCENT FIRM	0.00	0.00	0.00	93.02	93.02	93.80	93.80
----- YEAR 2040 -----							
FIXED COSTS	0.00	0.00	0.00	9419.00	0.00	54.07	54.07
MATURE FORCED OUTAGE RATE	0.00	0.00	0.00	7428.00	0.00	7428.00	0.00
PERCENT FIRM	0.00	0.00	0.00	93.02	93.02	93.80	93.80

	317	318	319	320	364	500	501
	TNR_F_15 3M	TNR_F_15 3	PW_GP_15 5	RH11s 1		DUMMY_OP 0	DUMMY_IM 0
----- YEAR 2011 -----							
ANCILLARY REVENUE RATE							
AVERAGE HEAT RATE AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG HEAT RATE MAXIMUM SEASONAL P	0	0	0	0	0	0	0
AVG HEAT RATE MINIMUM SEASONAL P	0	0	0	0	0	0	0
BID PRICE AT INCREMENTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL P	0	0	0	0	0	0	0
BID PRICE MINIMUM SEASONAL POINT	0	0	0	0	0	0	0
CAPACITY REVENUE PROFILE							
CAPACITY REVENUE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY SEGMENT PROFILE							
CAPITAL COSTS	\$/KW						
DEPARTION LIBRARY POINTER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISPATCH PENALTY AT MAXIMUM	68	68	56	148	58	0	0
DISPATCH PENALTY AT MINIMUM	68	68	56	135	83	0	0
ENERGY MARGIN CAPACITY FACTOR	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FIXED ANNUAL CAPACITY RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	\$/KW/YR						
FIXED SEASONAL CAPACITY RATE	23560.00	19221.00	8729.00	0.00	5814.00	0.00	0.00
FIXED SEASONAL RATE PROFILE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HEAT RATE PROFILE							
MAINTENANCE REQUIREMENT	68	68	56	0	58	0	0
MAINTENANCE SEASONAL METHOD	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAINTENANCE SEASONAL POINTER	1	1	1	1	1	1	1
MAINTENANCE SEASONAL PROFILE	0	0	0	0	0	0	0
MAINTENANCE SEASONAL POINT	0	0	0	0	0	0	0
MAINTENANCE SEASONAL PROF	0	0	0	0	0	0	0
MAXIMUM CAPACITY	205.00	205.00	100.00	180.00	1300.00	0.00	0.00
MINIMUM CAPACITY	40.00	40.00	10.00	135.00	500.00	0.00	0.00
MUST RUN INDICATOR	0	0	0	0	0	0	0
PARTIAL OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PARTIAL OUTAGE RATE SEASONAL PRO	0	0	0	0	0	0	0
PERCENT FTRM	92.92	92.92	90.47	94.71	99.35	100.00	100.00
RENEWABLE ENERGY CREDIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEASONAL VARIABLE COST PROFILE	0	0	0	0	0	0	0
VARIABLE O AND M COSTS	3.58	3.58	3.69	4.54	0.70	0.00	0.00
----- YEAR 2012 -----							
FIXED COSTS	\$000/YR						
MAINTENANCE SEASONAL RATE	12974.00	8635.00	6805.00	0.00	5814.00	0.00	0.00
PERCENT FTRM	92.92	92.92	92.45	94.71	99.35	100.00	100.00
VARIABLE O AND M COSTS	3.58	3.58	3.69	4.54	0.72	0.00	0.00
----- YEAR 2013 -----							
FIXED COSTS	\$000/YR						
MAINTENANCE SEASONAL RATE	16269.00	9257.00	5881.00	0.00	5814.00	0.00	0.00
PERCENT FTRM	92.64	92.64	91.56	94.71	99.35	100.00	100.00
VARIABLE O AND M COSTS	3.58	3.58	3.69	4.54	0.79	0.00	0.00
----- YEAR 2014 -----							
FIXED COSTS	\$000/YR						
MAINTENANCE SEASONAL RATE	13596.00	9073.00	6570.00	0.00	5814.00	0.00	0.00
PERCENT FTRM	92.50	92.50	90.47	94.71	99.35	100.00	100.00
VARIABLE O AND M COSTS	3.58	3.58	3.69	4.54	0.75	0.00	0.00

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		317	318	319	320	364	500	501
		TNR_F1M3	TNR_F153	FW_GP155	RH11s1		DUMX_OP0	DUMX_TM0
YEAR 2015								
FIXED COSTS	\$000/YR	20223.00	45469.00	14242.00	0.00	5814.00	0.00	0.00
MATURE FORCED OUTAGE RATE	%	30.57	30.57	10.60	5.30	5.46	0.00	0.00
PERCENT FIRM	%	92.43	92.43	89.74	94.71	99.35	100.00	100.00
VARIABLE O AND M COSTS	\$/MWH	3.58	3.58	3.69	4.54	0.77	0.00	0.00
YEAR 2016								
FIXED COSTS	\$000/YR	14799.00	0.00	0.00	0.00	5814.00	0.00	0.00
MATURE FORCED OUTAGE RATE	%	41.86	41.86	100.00	5.30	5.51	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	3.58	3.58	3.69	4.54	0.78	0.00	0.00
YEAR 2017								
FIXED COSTS	\$000/YR	15292.00	0.00	0.00	0.00	5814.00	0.00	0.00
MATURE FORCED OUTAGE RATE	%	54.09	54.09	100.00	5.30	5.46	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	3.58	3.58	3.69	4.54	0.80	0.00	0.00
YEAR 2018								
FIXED COSTS	\$000/YR	18259.00	0.00	0.00	0.00	5814.00	0.00	0.00
MATURE FORCED OUTAGE RATE	%	61.15	61.15	100.00	5.30	5.51	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	3.58	3.58	3.69	4.54	0.82	0.00	0.00
YEAR 2019								
FIXED COSTS	\$000/YR	15321.00	0.00	0.00	0.00	5814.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	3.58	3.58	3.69	4.54	0.84	0.00	0.00
YEAR 2020								
FIXED COSTS	\$000/YR	21021.00	0.00	0.00	0.00	5814.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	3.58	3.58	3.69	4.54	0.86	0.00	0.00
YEAR 2021								
FIXED COSTS	\$000/YR	8884.00	0.00	0.00	0.00	5814.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	3.58	3.58	3.69	4.54	0.88	0.00	0.00
YEAR 2022								
FIXED COSTS	\$000/YR	8769.00	0.00	0.00	0.00	5814.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	3.58	3.58	3.69	4.54	0.90	0.00	0.00
YEAR 2023								
FIXED COSTS	\$000/YR	13612.00	0.00	0.00	0.00	5814.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	3.58	3.58	3.69	4.54	0.92	0.00	0.00
YEAR 2024								
FIXED COSTS	\$000/YR	8989.00	0.00	0.00	0.00	5814.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	3.58	3.58	3.69	4.54	0.94	0.00	0.00
YEAR 2025								
FIXED COSTS	\$000/YR	20398.00	0.00	0.00	0.00	5814.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	3.58	3.58	3.69	4.54	0.96	0.00	0.00
YEAR 2026								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	5814.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	3.58	3.58	3.69	4.54	0.98	0.00	0.00
YEAR 2027								
VARIABLE O AND M COSTS	\$/MWH	3.58	3.58	3.69	4.54	1.01	0.00	0.00
YEAR 2028								
VARIABLE O AND M COSTS	\$/MWH	3.58	3.58	3.69	4.54	1.03	0.00	0.00
YEAR 2029								
VARIABLE O AND M COSTS	\$/MWH	3.58	3.58	3.69	4.54	1.05	0.00	0.00
YEAR 2030								
VARIABLE O AND M COSTS	\$/MWH	3.58	3.58	3.69	4.54	1.08	0.00	0.00
YEAR 2031								
VARIABLE O AND M COSTS	\$/MWH	3.58	3.58	3.69	4.54	1.10	0.00	0.00
YEAR 2032								
VARIABLE O AND M COSTS	\$/MWH	3.58	3.58	3.69	4.54	1.13	0.00	0.00
YEAR 2033								
VARIABLE O AND M COSTS	\$/MWH	3.58	3.58	3.69	4.54	1.15	0.00	0.00
YEAR 2034								
VARIABLE O AND M COSTS	\$/MWH	3.58	3.58	3.69	4.54	1.18	0.00	0.00
YEAR 2035								
VARIABLE O AND M COSTS	\$/MWH	3.58	3.58	3.69	4.54	1.21	0.00	0.00
YEAR 2036								
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAXIMUM CAPACITY	MW	205.00	205.00	100.00	176.00	1300.00	0.00	0.00
MINIMUM CAPACITY	MW	40.00	40.00	10.00	132.00	500.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	3.58	3.58	3.69	4.54	1.23	0.00	0.00
YEAR 2037								
VARIABLE O AND M COSTS	\$/MWH	3.58	3.58	3.69	4.54	1.26	0.00	0.00
YEAR 2038								
VARIABLE O AND M COSTS	\$/MWH	3.58	3.58	3.69	4.54	1.29	0.00	0.00
YEAR 2039								
VARIABLE O AND M COSTS	\$/MWH	3.58	3.58	3.69	4.54	1.32	0.00	0.00

----- YEAR 2040 -----

THERMAL UNIT		502	503	958	959	960	961	962
		DUMMY_AP_0	DUMMY_KP_0	CC_KPCO_958	RP2D_KP_959	RP2D_TM_960	CSV6_SCR_961	CSV5_SCR_962
----- YEAR 2011 -----								
ANCILLARY REVENUE RATE	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MAXIMUM	MBTU/MWH	0.00	0.00	6.63	9.69	0.00	0.00	0.00
AVERAGE HEAT RATE AT MINIMUM	MBTU/MWH	0.00	0.00	7.10	9.69	0.00	0.00	0.00
AVG HEAT RATE MINIMUM SEASONAL P	\$/MWH	0	0	0	0	0	0	0
BID HEAT RATE AT INCREMENTAL	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL P	%	0	0	0	0	0	0	0
BID PRICE MINIMUM SEASONAL POINT	\$/KW	0	0	0	0	0	0	0
CAPACITY REVENUE PROFILE	\$/KW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY SEGMENT PROFILE	\$/KW	0.00	0.00	125	0	147	0.24	23
CAPITAL COSTS	\$000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEPARTION LIBRARY POINTER		0.00	0.00	121	59	39	24	23
DISPATCH PENALTY AT MAXIMUM	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
DISPATCH PENALTY AT MINIMUM	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ENERGY MARGIN CAPACITY FACTOR	\$/KW/YR	0.00	0.00	15.01	0.00	0.00	3.44	3.44
FIXED ANNUAL CAPACITY RATE	\$000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	\$/KW/SEA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL CAPACITY RATE		0	0	0	0	0	0	0
HEAT RATE PROFILE	WKS/YEAR	0	0	137	0	168	24	23
MAINTENANCE REQUIREMENT		0.00	0.00	4.00	0.00	0.00	0.00	0.00
MAINTENANCE SEASONAL METHOD		1	1	1	1	1	1	1
MAINTENANCE SEASONAL POINTER		0	0	0	0	0	0	0
MATURE FORCED OUTAGE RATE	%	0.00	0.00	4.00	6.31	6.31	7.69	4.95
MATURE OUTAGE RATE SEASONAL PROF		0	0	0	0	0	0	0
MAXIMUM CAPACITY	MW	0.00	0.00	424.00	193.00	1090.00	391.00	391.00
MINIMUM CAPACITY	MW	0.00	0.00	212.00	193.00	359.00	130.00	130.00
MOST RUN INDICATOR		0	0	0	0	1	1	1
PARTIAL OUTAGE RATE	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PARTIAL OUTAGE RATE SEASONAL PRO	%	0	0	0	0	0	0	0
PERCENT FIRM	%	100.00	100.00	96.00	93.69	93.69	92.31	95.05
RENEWABLE ENERGY CREDIT	RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEASONAL VARIABLE COST PROFILE	\$/MWH	0	0	3.64	0.69	0.69	2.24	2.24
VARIABLE O AND M COSTS		0.00	0.00	0.00	0.69	0.69	2.24	2.24
----- YEAR 2012 -----								
MATURE FORCED OUTAGE RATE	%	0.00	0.00	4.00	6.77	6.77	8.43	4.95
MATURE OUTAGE RATE SEASONAL PROF		0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAXIMUM CAPACITY	MW	100.00	100.00	96.00	93.23	93.23	91.57	95.05
MINIMUM CAPACITY	MW	0.00	0.00	3.64	0.70	0.70	2.24	2.24
VARIABLE O AND M COSTS	\$/MWH	0.00	0.00	0.00	0.70	0.70	2.24	2.24
----- YEAR 2013 -----								
MATURE FORCED OUTAGE RATE	%	0.00	0.00	4.00	7.24	7.24	8.43	4.95
MATURE OUTAGE RATE SEASONAL PROF		0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAXIMUM CAPACITY	MW	100.00	100.00	96.00	92.76	92.76	91.57	95.05
MINIMUM CAPACITY	MW	0.00	0.00	3.64	0.72	0.72	2.24	2.24
VARIABLE O AND M COSTS	\$/MWH	0.00	0.00	0.00	0.72	0.72	2.24	2.24
----- YEAR 2014 -----								
MATURE FORCED OUTAGE RATE	%	0.00	0.00	4.00	7.24	7.24	4.91	3.89
MATURE OUTAGE RATE SEASONAL PROF		0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAXIMUM CAPACITY	MW	100.00	100.00	96.00	92.76	92.76	95.09	96.11
MINIMUM CAPACITY	MW	0.00	0.00	3.64	0.73	0.73	2.24	2.24
VARIABLE O AND M COSTS	\$/MWH	0.00	0.00	0.00	0.73	0.73	2.24	2.24

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

THERMAL UNIT		502	503	958	959	960	961	962
		DUMMY_AP 0	DUMMY_KP 0	CC_KPCO 958	RP2D_KP 959	RP2D_IM 960	CSV6_SCR 961	CSV5_SCR 962
YEAR 2015								
MATURE FORCED OUTFAGE RATE		0.00	0.00	4.00	7.24	7.24	5.32	4.24
PERCENT FIRM		100.00	100.00	96.00	92.76	92.76	94.68	95.76
VARIABLE O AND M COSTS		\$/MMH	0.00	3.64	0.75	0.75	2.24	2.24
YEAR 2016								
MATURE FORCED OUTFAGE RATE		0.00	0.00	4.00	7.24	7.24	4.50	3.89
PERCENT FIRM		100.00	100.00	96.00	92.76	92.76	95.50	96.11
VARIABLE O AND M COSTS		\$/MMH	0.00	3.64	0.76	0.76	2.24	2.24
YEAR 2017								
MATURE FORCED OUTFAGE RATE		0.00	0.00	4.00	7.24	7.24	4.09	4.24
PERCENT FIRM		100.00	100.00	96.00	92.76	92.76	95.91	95.76
VARIABLE O AND M COSTS		\$/MMH	0.00	3.64	0.78	0.78	2.24	2.24
YEAR 2018								
VARIABLE O AND M COSTS		\$/MMH	0.00	3.64	0.80	0.80	2.24	2.24
YEAR 2019								
MATURE FORCED OUTFAGE RATE		0.00	0.00	4.00	7.24	7.24	4.50	3.89
PERCENT FIRM		100.00	100.00	96.00	92.76	92.76	95.50	96.11
VARIABLE O AND M COSTS		\$/MMH	0.00	3.64	0.82	0.82	2.24	2.24
YEAR 2020								
FIXED COSTS		\$000/YR	0.00	0.00	5138.00	31316.00	12385.00	11112.00
VARIABLE O AND M COSTS		\$/MMH	0.00	3.64	0.84	0.84	2.24	2.24
YEAR 2021								
FIXED COSTS		\$000/YR	0.00	0.00	5761.00	40228.00	22001.00	18177.00
VARIABLE O AND M COSTS		\$/MMH	0.00	3.64	0.86	0.86	2.24	2.24
YEAR 2022								
FIXED COSTS		\$000/YR	0.00	0.00	5996.00	42074.00	26162.00	24582.00
VARIABLE O AND M COSTS		\$/MMH	0.00	3.64	0.88	0.88	2.24	2.24
YEAR 2023								
FIXED COSTS		\$000/YR	0.00	0.00	6419.00	45183.00	34547.00	30330.00
VARIABLE O AND M COSTS		\$/MMH	0.00	3.64	0.90	0.90	2.24	2.24
YEAR 2024								
FIXED COSTS		\$000/YR	0.00	0.00	7219.00	50809.00	40838.00	34769.00
VARIABLE O AND M COSTS		\$/MMH	0.00	3.64	0.92	0.92	2.24	2.24
YEAR 2025								
FIXED COSTS		\$000/YR	0.00	0.00	7045.00	49952.00	47551.00	41866.00
VARIABLE O AND M COSTS		\$/MMH	0.00	3.64	0.94	0.94	2.24	2.24
YEAR 2026								
FIXED COSTS		\$000/YR	0.00	0.00	7839.00	54606.00	52489.00	46268.00
VARIABLE O AND M COSTS		\$/MMH	0.00	3.64	0.96	0.96	2.24	2.24
YEAR 2027								
FIXED COSTS		\$000/YR	0.00	0.00	7814.00	50654.00	59756.00	52157.00
VARIABLE O AND M COSTS		\$/MMH	0.00	3.64	0.99	0.99	2.24	2.24
YEAR 2028								
FIXED COSTS		\$000/YR	0.00	0.00	8661.00	55179.00	68602.00	59322.00
VARIABLE O AND M COSTS		\$/MMH	0.00	3.64	1.01	1.01	2.24	2.24
YEAR 2029								
FIXED COSTS		\$000/YR	0.00	0.00	8659.00	52462.00	73207.00	64141.00
VARIABLE O AND M COSTS		\$/MMH	0.00	3.64	1.03	1.03	2.24	2.24
YEAR 2030								
FIXED COSTS		\$000/YR	0.00	0.00	9188.00	55614.00	79663.00	70806.00
VARIABLE O AND M COSTS		\$/MMH	0.00	3.64	1.05	1.05	2.24	2.24
YEAR 2031								
FIXED COSTS		\$000/YR	0.00	0.00	10052.00	61335.00	87421.00	76807.00
VARIABLE O AND M COSTS		\$/MMH	0.00	3.64	1.08	1.08	2.24	2.24
YEAR 2032								
FIXED COSTS		\$000/YR	0.00	0.00	9221.00	58273.00	96051.00	84015.00
VARIABLE O AND M COSTS		\$/MMH	0.00	3.64	1.10	1.10	2.24	2.24
YEAR 2033								
FIXED COSTS		\$000/YR	0.00	0.00	9629.00	58936.00	102301.00	89978.00
VARIABLE O AND M COSTS		\$/MMH	0.00	3.64	1.12	1.12	2.24	2.24
YEAR 2034								
FIXED COSTS		\$000/YR	0.00	0.00	9529.00	58995.00	112564.00	96560.00
VARIABLE O AND M COSTS		\$/MMH	0.00	3.64	1.15	1.15	2.24	2.24
YEAR 2035								
FIXED COSTS		\$000/YR	0.00	0.00	10050.00	61127.00	118381.00	105877.00
VARIABLE O AND M COSTS		\$/MMH	0.00	3.64	1.17	1.17	2.24	2.24
YEAR 2036								
FIXED COSTS		\$000/YR	0.00	0.00	10918.00	65968.00	126396.00	110462.00
VARIABLE O AND M COSTS		\$/MMH	0.00	3.64	1.20	1.20	2.24	2.24
YEAR 2037								
FIXED COSTS		\$000/YR	0.00	0.00	10512.00	62501.00	133475.00	117439.00
VARIABLE O AND M COSTS		\$/MMH	0.00	3.64	1.22	1.22	2.24	2.24

4-Company East Optimization

YEAR 2011			YEAR 2012			YEAR 2013			YEAR 2039			YEAR 2040		
ANGLARY REVENUE RATE	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
AVERAGE HEAT RATE AT MAXIMUM	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
AVERAGE HEAT RATE AT MINIMUM	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
AVG HEAT RATE MAXIMUM SEASONAL P	\$/MWH	0	0	0	0	0	0	0	0	0	0	0	0	
AVG HEAT RATE MINIMUM SEASONAL P	\$/MWH	0	0	0	0	0	0	0	0	0	0	0	0	
BID PRICE AT INCREMENTAL	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BID PRICE AT MINIMUM	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BID PRICE CAPACITY FACTOR	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BID PRICE COST FACTOR	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BID PRICE INCREMENTAL SEASONAL P		0	0	0	0	0	0	0	0	0	0	0	0	
BID PRICE MINIMUM SEASONAL POINT		0	0	0	0	0	0	0	0	0	0	0	0	
CAPACITY REVENUE PROFILE	\$/KW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CAPACITY REVENUE RATE	\$/KW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CAPACITY SEGMENT PROFILE		0	0	0	0	0	0	0	0	0	0	0	0	
CAPITAL COSTS	\$000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
DERATION LIBRARY POINTER		0	0	0	0	0	0	0	0	0	0	0	0	
DISPATCH PENALTY AT MAXIMUM	FRACTION	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
DISPATCH PENALTY AT MINIMUM	FRACTION	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
ENERGY MARGIN CAPACITY FACTOR	\$/KW/HR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
FIXED ANNUAL CAPACITY RATE	\$/KW/HR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
FIXED COSTS	\$/KW/SEA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
FIXED SEASONAL CAPACITY RATE	\$/KW/SEA	0	0	0	0	0	0	0	0	0	0	0	0	
FIXED SEASONAL RATE PROFILE		0	0	0	0	0	0	0	0	0	0	0	0	
HEAT RATE PROFILE	WKS/YEAR	0	0	0	0	0	0	0	0	0	0	0	0	
MAINTENANCE REQUIREMENT		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
MAINTENANCE SEASONAL METHOD		1	1	1	1	1	1	1	1	1	1	1	1	
MAINTENANCE SEASONAL POINTER		0	0	0	0	0	0	0	0	0	0	0	0	
NATURE FORCED OUTAGE RATE	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
NATURE FORCED OUTAGE RATE	MM	0	0	0	0	0	0	0	0	0	0	0	0	
NATURE FORCED OUTAGE RATE	MM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
NATURE FORCED OUTAGE RATE	MM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
MAXIMUM CAPACITY	MM	0	0	0	0	0	0	0	0	0	0	0	0	
MINIMUM CAPACITY	MM	0	0	0	0	0	0	0	0	0	0	0	0	
MOST RUN INDICATOR	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
PARTIAL OUTAGE RATE	%	0	0	0	0	0	0	0	0	0	0	0	0	
PARTIAL OUTAGE RATE SEASONAL PRO	%	0	0	0	0	0	0	0	0	0	0	0	0	
PERCENT FIRM	RATIO	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
RENEWABLE ENERGY CREDIT	RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SEASONAL VARIABLE COST PROFILE	\$/MWH	0	0	0	0	0	0	0	0	0	0	0	0	
VARIABLE O AND M COSTS	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
YEAR 2011	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
NATURE FORCED OUTAGE RATE	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
PERCENT FIRM	%	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
VARIABLE O AND M COSTS	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT
QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	DUMMY_OP	DUMMY_OP	RPID_03	RPID_03	RPID_03	ES2_FSD	CR2_NGCC	CR1_NGCC
----- YEAR 2013 -----								
NATURE FORCED OUTAGE RATE	0.00	0.00	6.77	6.77	7.00	4.00	4.00	4.00
PERCENT FIRM	100.00	100.00	93.23	93.23	93.00	96.00	96.00	96.00
VARIABLE O AND M COSTS	\$/MWH	\$/MWH	8.09	8.09	8.30	3.49	3.49	3.49
----- YEAR 2014 -----								
NATURE FORCED OUTAGE RATE	0.00	0.00	6.77	6.77	5.50	4.00	4.00	4.00
PERCENT FIRM	100.00	100.00	93.23	93.23	94.00	96.00	96.00	96.00
VARIABLE O AND M COSTS	\$/MWH	\$/MWH	8.22	8.22	8.43	3.49	3.49	3.49
----- YEAR 2015 -----								
NATURE FORCED OUTAGE RATE	0.00	0.00	6.77	6.77	6.00	4.00	4.00	4.00
PERCENT FIRM	100.00	100.00	93.23	93.23	94.00	96.00	96.00	96.00
VARIABLE O AND M COSTS	\$/MWH	\$/MWH	8.39	8.39	8.77	3.49	3.49	3.49
----- YEAR 2016 -----								
NATURE FORCED OUTAGE RATE	0.00	0.00	6.77	6.77	6.50	4.00	4.00	4.00
PERCENT FIRM	100.00	100.00	93.23	93.23	93.50	96.00	96.00	96.00
VARIABLE O AND M COSTS	\$/MWH	\$/MWH	8.48	8.48	9.02	3.49	3.49	3.49
----- DEPRATION LIBRARY POINTER -----								
FIXED COSTS	0	0	59	59	5	121	121	121
NATURE FORCED OUTAGE RATE	0.00	0.00	6.77	6.77	6.50	4.00	4.00	4.00
PERCENT FIRM	100.00	100.00	93.23	93.23	94.50	96.00	96.00	96.00
VARIABLE O AND M COSTS	\$/MWH	\$/MWH	8.65	8.65	9.20	3.49	3.49	3.49
----- YEAR 2018 -----								
FIXED COSTS	0.00	0.00	68104.00	11186.00	95837.00	0.00	0.00	0.00
NATURE FORCED OUTAGE RATE	0.00	0.00	6.77	6.77	6.00	4.00	4.00	4.00
PERCENT FIRM	100.00	100.00	93.23	93.23	96.00	96.00	96.00	96.00
VARIABLE O AND M COSTS	\$/MWH	\$/MWH	8.80	8.80	9.36	3.49	3.49	3.49
----- YEAR 2019 -----								
FIXED COSTS	0.00	0.00	65087.00	10630.00	88356.00	0.00	0.00	0.00
NATURE FORCED OUTAGE RATE	0.00	0.00	6.77	6.77	6.50	4.00	4.00	4.00
PERCENT FIRM	100.00	100.00	93.23	93.23	93.50	96.00	96.00	96.00
VARIABLE O AND M COSTS	\$/MWH	\$/MWH	9.96	9.96	9.52	3.49	3.49	3.49
----- YEAR 2020 -----								
FIXED COSTS	0.00	0.00	68290.00	11145.00	85769.00	0.00	0.00	0.00
NATURE FORCED OUTAGE RATE	0.00	0.00	6.77	6.77	7.00	4.00	4.00	4.00
PERCENT FIRM	100.00	100.00	93.23	93.23	93.00	96.00	96.00	96.00
VARIABLE O AND M COSTS	\$/MWH	\$/MWH	9.12	9.12	9.68	3.49	3.49	3.49
----- YEAR 2021 -----								
FIXED COSTS	0.00	0.00	68117.00	11095.00	88298.00	0.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	\$/MWH	9.30	9.30	9.86	3.49	3.49	3.49
----- YEAR 2022 -----								
FIXED COSTS	0.00	0.00	74913.00	12231.00	90547.00	0.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	\$/MWH	9.47	9.47	10.05	3.49	3.49	3.49
----- YEAR 2023 -----								
FIXED COSTS	0.00	0.00	88293.00	14443.00	92902.00	0.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	\$/MWH	9.65	9.65	10.25	3.49	3.49	3.49
----- YEAR 2024 -----								
FIXED COSTS	0.00	0.00	85988.00	13953.00	94968.00	0.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	\$/MWH	9.83	9.83	10.44	3.49	3.49	3.49
----- YEAR 2025 -----								
FIXED COSTS	0.00	0.00	89696.00	14525.00	97121.00	0.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	\$/MWH	10.02	10.02	10.64	3.49	3.49	3.49
----- YEAR 2026 -----								
FIXED COSTS	0.00	0.00	83347.00	13686.00	99394.00	0.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	\$/MWH	10.21	10.21	10.84	3.49	3.49	3.49
----- YEAR 2027 -----								
FIXED COSTS	0.00	0.00	89477.00	14768.00	101905.00	0.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	\$/MWH	10.40	10.40	11.05	3.49	3.49	3.49
----- YEAR 2028 -----								
FIXED COSTS	0.00	0.00	86148.00	14275.00	104269.00	0.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	\$/MWH	10.59	10.59	11.26	3.49	3.49	3.49
----- YEAR 2029 -----								
FIXED COSTS	0.00	0.00	95793.00	16129.00	106543.00	0.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	\$/MWH	10.79	10.79	11.47	3.49	3.49	3.49
----- YEAR 2030 -----								
FIXED COSTS	0.00	0.00	87566.00	15979.00	109158.00	0.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	\$/MWH	10.99	10.99	11.68	3.49	3.49	3.49
----- YEAR 2031 -----								
FIXED COSTS	0.00	0.00	70757.00	15230.00	63453.00	0.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	\$/MWH	11.19	11.19	11.90	3.49	3.49	3.49
----- YEAR 2032 -----								
FIXED COSTS	0.00	0.00	63106.00	14904.00	62774.00	0.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	\$/MWH	11.40	11.40	12.12	3.49	3.49	3.49

4-Company East Optimization

	YEAR 2033		YEAR 2034		YEAR 2035		YEAR 2036		YEAR 2037		YEAR 2038		YEAR 2039		YEAR 2040		THERMAL UNIT	
FIXED COSTS	\$000/YR	0.00	0.00	67693.00	15796.00	60763.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	0.00	0.00	11.61	11.61	12.35	3.49	3.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	62989.00	14917.00	62828.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	0.00	0.00	11.83	11.83	12.58	3.49	3.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	68040.00	14995.00	64361.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	0.00	0.00	12.05	12.05	12.82	3.49	3.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	64257.00	12322.00	65064.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	0.00	0.00	12.27	12.27	13.06	3.49	3.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	57962.00	10734.00	65762.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	0.00	0.00	12.50	12.50	13.31	3.49	3.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	55995.00	11279.00	66253.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	0.00	0.00	12.74	12.74	13.56	3.49	3.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	48940.00	10474.00	67585.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	0.00	0.00	12.97	12.97	13.81	3.49	3.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	77846.00	25523.00	245488.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VARIABLE O AND M COSTS	\$/MWH	0.00	0.00	13.21	13.21	14.07	3.49	3.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
----- YEAR 2011 -----																		
ANCILLARY REVENUE RATE	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MAXIMUM	REBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MINIMUM	REBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG HEAT RATE MAXIMUM SEASONAL P		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVG HEAT RATE MINIMUM SEASONAL P		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BID PRICE AT INCREMENTAL	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR	%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BID PRICE INCREMENTAL SEASONAL POINT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BID PRICE MINIMUM SEASONAL POINT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAPACITY REVENUE PROFILE	\$/KW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAPACITY REVENUE RATE	\$/KW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY SEGMENT PROFILE		186	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAPITAL COSTS	\$000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DERATION LIBRARY POINTER		121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DISPATCH PENALTY AT MAXIMUM		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
DISPATCH PENALTY AT MINIMUM		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ENERGY MARGIN CAPACITY FACTOR	\$/KW/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED ANNUAL CAPACITY RATE	\$/KW/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL CAPACITY RATE	\$/KW/SEA	9.51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FIXED SEASONAL RATE PROFILE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEAT RATE PROFILE		186	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAINTENANCE REQUIREMENT	WKS/YEAR	4.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

-----	YEAR 2011	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
THERMAL UNIT	MRS_NGCC	DUMKY_OP	DUMKY_OP	DUMKY_OP	DUMKY_OP	DUMKY_OP	DUMKY_OP	DUMKY_OP	DUMKY_OP	DUMKY_OP	DUMKY_OP
	970	971	972	973	974	975	976	977	978	979	980
	970	971	972	973	974	975	976	977	978	979	980
MAINTENANCE SEASONAL METHOD	1	1	1	1	1	1	1	1	1	1	1
MAINTENANCE SEASONAL POINTNER	0	0	0	0	0	0	0	0	0	0	0
NATURE FORCED OUTAGE RATE	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NATURE OUTAGE RATE SEASONAL PROF	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM CAPACITY	510.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MINIMUM CAPACITY	255.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MUST RUN INDICATOR	1	0	0	0	0	0	0	0	0	0	0
PARTIAL OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PARTIAL OUTAGE RATE SEASONAL PRO	0	0	0	0	0	0	0	0	0	0	0
PERCENT FTRM	96.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RENEWABLE ENERGY CREDIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEASONAL VARIABLE COST PROFILE	0	0	0	0	0	0	0	0	0	0	0
VARIABLE O AND M COSTS	3.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

-----	YEAR 2012	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2013	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2014	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2015	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2016	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2017	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2018	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2019	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2020	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2021	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2022	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2023	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2024	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2025	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2026	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2027	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2028	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2029	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2030	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2031	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2032	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2033	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2034	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2035	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2036	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2037	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2038	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2039	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2040	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
THERMAL UNIT	977	978	979	980	981	982	983	977	978	979	980
	DUMKY_OP	DUMKY_OP	DUMKY_OP	DUMKY_OP	DUMKY_OP	DUMKY_OP	DUMKY_OP	DUMKY_OP	DUMKY_OP	DUMKY_OP	DUMKY_OP
	977	978	979	980	981	982	983	977	978	979	980

-----	YEAR 2011	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
ANCILLARY REVENUE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG HEAT RATE MAXIMUM SEASONAL P	0	0	0	0	0	0	0	0	0	0	0
AVG HEAT RATE MINIMUM SEASONAL P	0	0	0	0	0	0	0	0	0	0	0
BID PRICE AT INCREMENTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL P	0	0	0	0	0	0	0	0	0	0	0
BID PRICE MINIMUM SEASONAL POINT	0	0	0	0	0	0	0	0	0	0	0
CAPACITY REVENUE PROFILE	0	0	0	0	0	0	0	0	0	0	0
CAPACITY REVENUE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY SEGMENT PROFILE	0	0	0	0	0	0	0	0	0	0	0
CAPITAL COSTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DERATION LIBRARY POINTER	0	0	0	0	0	0	0	0	0	0	0

4-Company East Optimization

	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
DISPATCH PENALTY AT MAXIMUM	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
DISPATCH PENALTY AT MINIMUM	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ENERGY MARGIN CAPACITY FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED ANNUAL CAPACITY RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL CAPACITY RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL RATE PROFILE	0	0	0	0	0	0	0	0	0
HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0
MAINTENANCE REQUIREMENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAINTENANCE SEASONAL METHOD	1	1	1	1	1	1	1	1	1
MAINTENANCE SEASONAL POINTER	0	0	0	0	0	0	0	0	0
MATURE FORCED OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MATURE OUTAGE RATE SEASONAL PROF	0	0	0	0	0	0	0	0	0
MAXIMUM CAPACITY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MINIMUM CAPACITY	0	0	0	0	0	0	0	0	0
MUST RUN INDICATOR	0	0	0	0	0	0	0	0	0
PARTIAL OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PARTIAL OUTAGE RATE SEASONAL PRO	0	0	0	0	0	0	0	0	0
PERCENT FIRM	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RENEWABLE ENERGY CREDIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEASONAL VARIABLE COST PROFILE	0	0	0	0	0	0	0	0	0
VARIABLE O AND M COSTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012	-----								
YEAR 2013	-----								
YEAR 2014	-----								
YEAR 2015	-----								
YEAR 2016	-----								
YEAR 2017	-----								
YEAR 2018	-----								
YEAR 2019	-----								
YEAR 2020	-----								
YEAR 2021	-----								
YEAR 2022	-----								
YEAR 2023	-----								
YEAR 2024	-----								
YEAR 2025	-----								
YEAR 2026	-----								
YEAR 2027	-----								
YEAR 2028	-----								
YEAR 2029	-----								
YEAR 2030	-----								
YEAR 2031	-----								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THEMAL UNIT	977	978	979	980	981	982	983
YEAR 2032	DUMMY_OP_977	DUMMY_OP_978	DUMMY_OP_979	DUMMY_OP_980	DUMMY_OP_981	DUMMY_OP_982	DUMMY_OP_983
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							
THEMAL UNIT	984	985	986	987	988	989	990
	DUMMY_OP_984	DUMMY_OP_985	DUMMY_OP_986	DUMMY_OP_987	DUMMY_OP_988	DUMMY_OP_989	DUMMY_OP_990

YEAR 2011	984	985	986	987	988	989	990
ANCILLARY REVENUE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG HEAT RATE MAXIMUM SEASONAL P	0	0	0	0	0	0	0
AVG HEAT RATE MINIMUM SEASONAL P	0	0	0	0	0	0	0
BID PRICE AT INCREMENTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL P	0	0	0	0	0	0	0
BID PRICE MINIMUM SEASONAL POINT	0	0	0	0	0	0	0
CAPACITY REVENUE PROFILE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY REVENUE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY SEGMENT PROFILE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY SEGMENT PROFIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPITAL COSTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DERATION LIBRARY POINT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISPATCH PENALTY AT MAXIMUM	1.00	1.00	1.00	1.00	1.00	1.00	1.00
DISPATCH PENALTY AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENERGY MARGIN CAPACITY FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED ANNUAL CAPACITY RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL CAPACITY RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL RATE PROFILE	0	0	0	0	0	0	0
HEAT RATE PROFILE	0	0	0	0	0	0	0
MAINTENANCE REQUIREMENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAINTENANCE SEASONAL METHOD	1	1	1	1	1	1	1
MAINTENANCE SEASONAL POINT	0	0	0	0	0	0	0
MATURE FORCED OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MATURE OUTAGE RATE SEASONAL PROF	0	0	0	0	0	0	0
MAXIMUM CAPACITY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MINIMUM CAPACITY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MOST RUN INDICATOR	0	0	0	0	0	0	0
PARTIAL OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PARTIAL OUTAGE RATE SEASONAL PRO	0	0	0	0	0	0	0
PERCENT FIRM	100.00	100.00	100.00	100.00	100.00	100.00	100.00
RENEWABLE ENERGY CREDIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEASONAL VARIABLE COST PROFILE	0	0	0	0	0	0	0
VARIABLE O AND M COSTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00

YEAR 2012
YEAR 2013
YEAR 2014
YEAR 2015
YEAR 2016
YEAR 2017
YEAR 2018
YEAR 2019
YEAR 2020
YEAR 2021
YEAR 2022
YEAR 2023
YEAR 2024
YEAR 2025
YEAR 2026
YEAR 2027

----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

	THERMAL UNIT						
	991	992	993	994	995	996	997
	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	T4_TRONA	RP2TR_KP
	991	992	993	994	995	996	997
----- YEAR 2011 -----							
ANCILLARY REVENUE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVERAGE HEAT RATE AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	91.67
AVERAGE HEAT RATE AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	91.67
AVG HEAT RATE MAXIMUM SEASONAL P	0	0	0	0	0	0	0
AVG HEAT RATE MINIMUM SEASONAL P	0	0	0	0	0	0	0
BID PRICE AT INCREMENTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE CAPACITY FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE COST FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BID PRICE INCREMENTAL SEASONAL P	0	0	0	0	0	0	0
BID PRICE MINIMUM SEASONAL POINT	0	0	0	0	0	0	0
CAPACITY REVENUE PROFILE	0	0	0	0	0	0	0
CAPACITY REVENUE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPACITY SEGMENT PROFILE	0	0	0	0	0	0	0
CAPITAL COSTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISPATCH LIBRARY POINTER	0	0	0	0	0	0	0
DISPATCH PENALTY AT MAXIMUM	0	0	0	0	0	0	0
DISPATCH PENALTY AT MINIMUM	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ENERGY MARGIN CAPACITY FACTOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED ANNUAL CAPACITY RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED COSTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL CAPACITY RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIXED SEASONAL RATE PROFILE	0	0	0	0	0	0	0
HEAT RATE PROFILE	0	0	0	0	0	0	0
MAINTENANCE REQUIREMENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAINTENANCE SEASONAL METHOD	1	1	1	1	1	1	1
MAINTENANCE SEASONAL POINTER	0	0	0	0	0	0	0
MATURE FORCED OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MATURE OUTAGE RATE SEASONAL PROF	0	0	0	0	0	0	0
MAXIMUM CAPACITY	0.00	0.00	0.00	0.00	0.00	500.00	195.00
MINIMUM CAPACITY	0.00	0.00	0.00	0.00	0.00	200.00	195.00

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER - GAP.INPUT.THERMAL UNIT.

THEMAL UNIT	991	992	993	994	995	996	997
	DUMMY_OP 991	DUMMY_OP 992	DUMMY_OP 993	DUMMY_OP 994	DUMMY_OP 995	T4_TRONA 996	RP2TR_KP 997
MOST RUN INDICATOR	0	0	0	0	0	0	0
PARTIAL OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PARTIAL OUTAGE RATE SEASONAL PRO	0	0	0	0	0	0	0
PERCENT FIRM	100.00	100.00	100.00	100.00	100.00	83.56	93.69
RENEWABLE ENERGY CREDIT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEASONAL VARIABLE COST PROFILE	0	0	0	0	0	0	0
VARIABLE O AND M COSTS	0.00	0.00	0.00	0.00	0.00	3.25	0.69
----- YEAR 2011 -----							
MATURE FORCED OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	17.05	6.77
PERCENT FIRM	100.00	100.00	100.00	100.00	100.00	82.95	93.23
----- YEAR 2012 -----							
MATURE FORCED OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	19.54	7.24
PERCENT FIRM	100.00	100.00	100.00	100.00	100.00	80.46	92.76
----- YEAR 2013 -----							
FIXED COSTS	0.00	0.00	0.00	0.00	0.00	6735.00	3243.00
----- YEAR 2014 -----							
FIXED COSTS	0.00	0.00	0.00	0.00	0.00	9432.00	2153.00
----- YEAR 2015 -----							
FIXED COSTS	0.00	0.00	0.00	0.00	0.00	5311.00	3509.00
----- YEAR 2016 -----							
FIXED COSTS	0.00	0.00	0.00	0.00	0.00	102928.00	3326.00
----- YEAR 2017 -----							
FIXED COSTS	0.00	0.00	0.00	0.00	0.00	0.00	3836.00
----- YEAR 2018 -----							
FIXED COSTS	0.00	0.00	0.00	0.00	0.00	0.00	4426.00
----- YEAR 2019 -----							
FIXED COSTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
----- YEAR 2020 -----							
FIXED COSTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MATURE FORCED OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	19.54	100.00
PERCENT FIRM	100.00	100.00	100.00	100.00	100.00	80.46	0.00
----- YEAR 2021 -----							
----- YEAR 2022 -----							
----- YEAR 2023 -----							
----- YEAR 2024 -----							
----- YEAR 2025 -----							
MATURE FORCED OUTAGE RATE	0.00	0.00	0.00	0.00	0.00	100.00	100.00
PERCENT FIRM	100.00	100.00	100.00	100.00	100.00	0.00	0.00
----- YEAR 2026 -----							
----- YEAR 2027 -----							
----- YEAR 2028 -----							
----- YEAR 2029 -----							
----- YEAR 2030 -----							
----- YEAR 2031 -----							
----- YEAR 2032 -----							
----- YEAR 2033 -----							
----- YEAR 2034 -----							
----- YEAR 2035 -----							
----- YEAR 2036 -----							
----- YEAR 2037 -----							
----- YEAR 2038 -----							
----- YEAR 2039 -----							
----- YEAR 2040 -----							
THEMAL UNIT	998	999					
	RP2TR_IM 998	DUMMY_OP 999					

----- YEAR 2011 -----
 ANCILLARY REVENUE RATE \$/MWH
 AVERAGE HEAT RATE AT MAXIMUM MBTU/MWH
 AVERAGE HEAT RATE AT MINIMUM MBTU/MWH
 AVG HEAT RATE MAXIMUM SEASONAL P
 AVG HEAT RATE MINIMUM SEASONAL P
 BID PRICE AT INCREMENTAL \$/MWH
 BID PRICE AT MINIMUM \$/MWH

0.00 0.00
 0.00 0.00
 0.00 0.00
 0 0
 0 0
 0.00 0.00

BID PRICE CAPACITY FACTOR	%	0.00	0.00
BID PRICE COST FACTOR	%	0.00	0.00
BID PRICE INCREMENTAL SEASONAL P		0	0
BID PRICE MINIMUM SEASONAL POINT		0	0
CAPACITY REVENUE PROFILE		0	0
CAPACITY REVENUE RATE	\$/KW	0.00	0.00
CAPACITY SEGMENT PROFILE		59	0
CAPITAL COSTS	\$000	0.00	0.00
DEPARTION LIBRARY POINTER		59	0
DISPATCH PENALTY AT MAXIMUM		1.00	1.00
DISPATCH PENALTY AT MINIMUM		1.00	1.00
ENERGY MARGIN CAPACITY FACTOR	REACTION	0.00	0.00
FIXED ANNUAL CAPACITY RATE	\$/KW/YR	0.00	0.00
FIXED COSTS	\$000/YR	0.00	0.00
FIXED SEASONAL CAPACITY RATE	\$/KW/SEA	0.00	0.00
HEAT RATE PROFILE		0	0
HEAT RATE REQUIREMENT	WKS/YEAR	59	0
MAINTENANCE SEASONAL METHOD		0.00	0.00
MAINTENANCE SEASONAL POINTER		0.00	1
MATURE FORCED OUTAGE RATE	%	6.31	0.00
MATURE OUTAGE RATE SEASONAL PROF		0	0
MAXIMUM CAPACITY	MM	1105.00	0.00
MINIMUM CAPACITY	MM	305.00	0.00
MOST RUN INDICATOR		0	0
PARTIAL OUTAGE RATE	%	0.00	0.00
PARTIAL OUTAGE RATE SEASONAL PRO		0	0
PERCENT FIRM	RATIO	93.69	100.00
RENEWABLE ENERGY CREDIT		0.00	0.00
SEASONAL VARIABLE COST PROFILE		0	0
VARIABLE O AND M COSTS	\$/MWH	0.69	0.00
----- YEAR 2012 -----			
MATURE FORCED OUTAGE RATE	%	6.77	0.00
PERCENT FIRM	%	93.23	100.00
----- YEAR 2013 -----			
MATURE FORCED OUTAGE RATE	%	7.24	0.00
PERCENT FIRM	%	92.76	100.00
----- YEAR 2014 -----			
FIXED COSTS	\$000/YR	19368.00	0.00
----- YEAR 2015 -----			
FIXED COSTS	\$000/YR	15628.00	0.00
----- YEAR 2016 -----			
FIXED COSTS	\$000/YR	23440.00	0.00
----- YEAR 2017 -----			
FIXED COSTS	\$000/YR	22550.00	0.00
----- YEAR 2018 -----			
FIXED COSTS	\$000/YR	25825.00	0.00
----- YEAR 2019 -----			
FIXED COSTS	\$000/YR	44836.00	0.00
----- YEAR 2020 -----			
FIXED COSTS	\$000/YR	0.00	0.00
MATURE FORCED OUTAGE RATE	%	100.00	0.00
PERCENT FIRM	%	0.00	100.00

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APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

998 999
RP2TR_IM DUMMY_OP
998 999

THERMAL UNIT

-----	YEAR 2021	-----
-----	YEAR 2022	-----
-----	YEAR 2023	-----
-----	YEAR 2024	-----
-----	YEAR 2025	-----
-----	YEAR 2026	-----
-----	YEAR 2027	-----
-----	YEAR 2028	-----
-----	YEAR 2029	-----
-----	YEAR 2030	-----
-----	YEAR 2031	-----
-----	YEAR 2032	-----
-----	YEAR 2033	-----
-----	YEAR 2034	-----
-----	YEAR 2035	-----
-----	YEAR 2036	-----
-----	YEAR 2037	-----
-----	YEAR 2038	-----
-----	YEAR 2039	-----
-----	YEAR 2040	-----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
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APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	1	2	3	4	5	6	7
AMOS	1	2	AMOS_OP	BECKJORD	BIG SAND	BIG SAND	CARD 1+2
ESCALATION UNIT FUEL AUXILIARY	1		3	6	1	2	1
THERMAL UNIT	1	2	3	4	5	6	7
GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL
CARD 1+2	CARD 3	CLIFFY	CLIFFY	CLIFFY	CLIFFY	CLIFFY	CLIFFY
ESCALATION UNIT FUEL AUXILIARY	1	2	3	4	5	6	7
GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL
UNIT FUELS	8	9	10	11	12	13	14
ESCALATION UNIT FUEL AUXILIARY	2	3	CLIFFY	CLIFFY	CLIFFY	CLIFFY	CLIFFY
GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL
THERMAL UNIT	1	2	3	4	5	6	7
CLIFFY	CLINCH R	CLINCH R	CLINCH R	ROCKP_KP	ROCKP_KP	CSVL 1-4	CSVL 1-4
ESCALATION UNIT FUEL AUXILIARY	1	2	3	1	1	2	3
GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL
UNIT FUELS	15	16	17	18	19	20	21
ESCALATION UNIT FUEL AUXILIARY	6	CLINCH R	CLINCH R	CLINCH R	ROCKP_KP	ROCKP_KP	CSVL 1-4
GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL
THERMAL UNIT	1	2	3	4	5	6	7
CSVL 1-4	CSVL 5+6	CSVL 5+6	D C COOK	D C COOK	GAVIN	GAVIN	GAVIN
ESCALATION UNIT FUEL AUXILIARY	4	5	6	1	2	1	2
GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL
UNIT FUELS	22	23	24	25	26	27	28
ESCALATION UNIT FUEL AUXILIARY	4	5	6	1	2	1	2
GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL
THERMAL UNIT	1	2	3	4	5	6	7
GLEN LYN	GLEN LYN	KAMMER	KAMMER	KAMMER	KANAWHA	KANAWHA	KANAWHA
ESCALATION UNIT FUEL AUXILIARY	5	6	1	2	3	1	2
GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL
UNIT FUELS	29	30	33	34	35	36	37
ESCALATION UNIT FUEL AUXILIARY	5	6	1	2	3	1	2
GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL
THERMAL UNIT	1	2	3	4	5	6	7
KYGER	KYGER	KYGER	KYGER	KYGER	MITCHELL	MITCHELL	MITCHELL
ESCALATION UNIT FUEL AUXILIARY	1	2	3	4	5	1	2
GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL
UNIT FUELS	38	39	40	41	42	43	44
ESCALATION UNIT FUEL AUXILIARY	1	2	3	4	5	1	2
GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL
THERMAL UNIT	1	2	3	4	5	6	7
MOUNT_ER	MUSK_RVR	MUSK_RVR	MUSK_RVR	MUSK_RVR	MUSK_RVR	MUSK_RVR	P_SPORN
ESCALATION UNIT FUEL AUXILIARY	1	1	2	3	4	5	1
GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL
UNIT FUELS	45	46	47	48	49	50	51
ESCALATION UNIT FUEL AUXILIARY	1	1	2	3	4	5	1
GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL
THERMAL UNIT	1	2	3	4	5	6	7
P_SPORN	P_SPORN	P_SPORN	P_SPORN	PLOWAY	RPRRT_IM	RPRRT_IM	RPRUN_IM
ESCALATION UNIT FUEL AUXILIARY	2	3	4	5	5	1	1
GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL
UNIT FUELS	52	53	54	55	56	57	58
ESCALATION UNIT FUEL AUXILIARY	2	3	4	5	5	1	1
GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL
THERMAL UNIT	1	2	3	4	5	6	7
ROCKP_IM	STUART	STUART	STUART	STUART	AMOS_AP	TANN 1-3	TANN 1-3
ESCALATION UNIT FUEL AUXILIARY	2	1	2	3	3	3	1
GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL
UNIT FUELS	59	61	62	63	64	65	66
ESCALATION UNIT FUEL AUXILIARY	2	1	2	3	4	3	1
GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL
THERMAL UNIT	1	2	3	4	5	6	7
TANN 1-3	TANN 1-3	TANN 4	ZIMMER	ROBTMONE	ROBTMONE	ROBTMONE	ROBTMONE
ESCALATION UNIT FUEL AUXILIARY	2	3	4	1	1	2	3
GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL
UNIT FUELS	67	68	69	70	71	72	73
ESCALATION UNIT FUEL AUXILIARY	2	3	4	1	1	2	3
GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL
THERMAL UNIT	1	2	3	4	5	6	7
CEREDO	CEREDO	CEREDO	CEREDO	CEREDO	CEREDO	CEREDO	DARBY
ESCALATION UNIT FUEL AUXILIARY	1	2	3	4	5	6	1
GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL
UNIT FUELS	75	76	77	78	79	80	81
ESCALATION UNIT FUEL AUXILIARY	1	2	3	4	5	6	1
GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL
THERMAL UNIT	1	2	3	4	5	6	7
DARBY	DARBY	DARBY	DARBY	DARBY	DARBY	IMBG WIN	IMBG WIN
ESCALATION UNIT FUEL AUXILIARY	2	3	4	5	6	1	2
GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL
UNIT FUELS	82	83	84	85	86	87	88
ESCALATION UNIT FUEL AUXILIARY	2	3	4	5	6	1	2
GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL
THERMAL UNIT	1	2	3	4	5	6	7
IMBG_SMR	IMBG_SMR	WATR_CC	WATR2	DRESDEN	DRESD2	NUCLEAR	NUCLEAR
ESCALATION UNIT FUEL AUXILIARY	1	2	3	4	5	6	7
GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL

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UNIT FUELS ESCALATION UNIT FUEL AUXILIARY	1	1	2	1	1	1	1	1	1	1
THERMAL UNIT										
UNIT FUELS ESCALATION UNIT FUEL AUXILIARY	1	102	103	104	105	106	107	108		
	UPC_NCCS 1	PC_UL_SU 1	UPC_RCCS 1	IGC_NCCS 1	IGCC GE 1	IGC_RCCS 1	CC 2X1FB 1			
THERMAL UNIT										
UNIT FUELS ESCALATION UNIT FUEL AUXILIARY	1	109	110	111	114	115	124	125		
	CC 2x1FA 1	CC 1x17H 1	BS2_CC 1	CT GE7FA 1	CT_GE7EA 1	BS2_FGD 2	BS1_FGD 1			
THERMAL UNIT										
UNIT FUELS ESCALATION UNIT FUEL AUXILIARY	1	126	127	129	130	131	132	133		
	CSV5_SCR 5	CSV6_SCR 6	CR1_NGCC 1	CR2_NGCC 2	MRS_NGCC 5	MRS_FGD 5	RP1D_IM 1			
THERMAL UNIT										
UNIT FUELS ESCALATION UNIT FUEL AUXILIARY	1	134	135	136	137	144	145	146		
	RP2D_IM 2	TANA_FGD 4	RP1D_KP 1	RP2D_KP 2	Tc4_ESP 4	A390% AP 3	A390%OP 3			
THERMAL UNIT										
UNIT FUELS ESCALATION UNIT FUEL AUXILIARY	1	147	148	149	150	151	153	154		
	MTN_90% 1	RPT1_90% 1	RPT2_90% 2	GVL_90% 1	GV2_90% 2	MTN_18% 1	CC_FA_KP 1			
THERMAL UNIT										
UNIT FUELS ESCALATION UNIT FUEL AUXILIARY	1	155	156	157	158	159	160	161		
	CT_OHIO 1	CC_OH 1	CT_IM 1	CC_IM 1	CT_ARCO 1	CC_ARCO 1	CT_KPCO 1			
THERMAL UNIT										
UNIT FUELS ESCALATION UNIT FUEL AUXILIARY	1	162	163	164	165	166	168	169		
	CC_KPCO 1	BS2_FGD 1	BS2_FGD 5	BS2_FGD 22	BS2_FGD 23	IGCC AP 1	PC_UL_AP 1			
THERMAL UNIT										
UNIT FUELS ESCALATION UNIT FUEL AUXILIARY	1									
		GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL			

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	170	171	172	173	174	175	176
UNIT FUELS ESCALATION UNIT FUEL AUXILIARY	Nuke_Ap 1	IGCC IM 1	PC_UL_IM 1	NUKE_IM 1	IGCC KP 1	PC_UL_KP 1	NUKE_KP 1
THERMAL UNIT	177	178	179	181	182	183	184
UNIT FUELS ESCALATION UNIT FUEL AUXILIARY	IGCC OH 1	PC_UL_OH 1	NUKE OH 1	RP1D_03 1	RP1D_04 1	RP1D_08 1	RP1D_20 1
THERMAL UNIT	186	187	188	189	190	191	223
UNIT FUELS ESCALATION UNIT FUEL AUXILIARY	RP1TR_IM 1	RP2TR_IM 2	RP1TR_KP 1	RP2TR_KP 2	T4_TRONA 4	T4_TRCCR 4	MR_STKR1 1
THERMAL UNIT	224	228	229	230	231	232	233
UNIT FUELS ESCALATION UNIT FUEL AUXILIARY	MR_STKR2 1	AMS3_ST 3	BS2_ST 2	MRS_CF 5	MRS_SI 5	RP1L_CF 1	RP12_CF 2
THERMAL UNIT	234	235	251	252	253	254	255
UNIT FUELS ESCALATION UNIT FUEL AUXILIARY	RP1L_SI 1	RP12_ST 2	DC1_HPR 1	DC1_IS 1	DC1_EPF 1	DC1_17 1	DC1_3800 1
THERMAL UNIT	257	258	259	260	269	270	271
UNIT FUELS ESCALATION UNIT FUEL AUXILIARY	DC2_HPR 2	DC2_EFP 2	DC2_SPU 2	DC2_3800 2	BIGSD_15 1	BIGSD_GP 1	CLN_Q_HM 1
THERMAL UNIT	272	273	274	275	276	277	278
UNIT FUELS ESCALATION UNIT FUEL AUXILIARY	CLN_Q_15 1	CLN_Q_HM 2	CLN_Q_15 2	CLN_Q_HM 3	CLN_Q_15 3	CVL_3_HM 3	CVL_3_10 3
THERMAL UNIT	279	280	281	282	283	284	285
UNIT FUELS ESCALATION UNIT FUEL AUXILIARY	GLN_5_HM 5	GLN_5_15 5	GLN_6_HM 6	GLN_6_15 6	KMR_F_HM 1	KMR_F_GP 1	KMR_F_HM 2
THERMAL UNIT	286	287	288	289	290	291	292
UNIT FUELS ESCALATION UNIT FUEL AUXILIARY	KMR_F_GP 2	KMR_F_HM 3	KMR_F_GP 3	KMA_1_HM 1	KMA_1_15 1	KMA_2_HM 2	KMA_2_15 2
THERMAL UNIT	293	294	295	296	297	298	299
UNIT FUELS ESCALATION UNIT FUEL AUXILIARY	MSKR1_HM 1	MSKR1_12 1	MSKR2_HM 2	MSKR2_12 2	MSKR3_GP 3	MR3HM_12 3	MSKR4_GP 4
THERMAL UNIT	300	301	302	303	304	305	306
UNIT FUELS ESCALATION UNIT FUEL AUXILIARY	M4HM_12 4	P1CWM_HM 5	P1CWM_GP 5	SP1_F_HM 1	SP1_F_15 1	SP2_F_HM 2	SP2_F_15 2
THERMAL UNIT	307	308	309	310	311	312	313
UNIT FUELS ESCALATION UNIT FUEL AUXILIARY	SP3_Q_HM 3	SP3_Q_15 3	SP4_Q_HM 4	SP4_Q_15 4	SP5_HM 5	SP5_15 5	TNR_F_HM 1
THERMAL UNIT	314	315	316	317	318	319	320
UNIT FUELS ESCALATION UNIT FUEL AUXILIARY	TNR_F_15 1	TNR_F_HM 1	TNR_F_15 1	TNR_F_HM 1	TNR_F_15 1	PW_GP_15 1	RH111s 1

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UNIT FUELS ESCALATION UNIT FUELS AUXILIARY	1	1	2	2	3	3	3	5	1
GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL	GEN-ESCL		
500 DUMMY_OP 0	501 DUMMY_TM 0	502 DUMMY_AB 0	503 DUMMY_KP 0	508 CC_KPCO 998	959 RP2D_KP 999	960 RP2D_TM 960			
THERMAL UNIT									
UNIT FUELS ESCALATION UNIT FUELS AUXILIARY	1								
GEN-ESCL	GEN-ESCL			GEN-ESCL	GEN-ESCL	GEN-ESCL			
961 CSV6_SCR 961	962 CSV5_SCR 962	963 DUMMY_OP 963	964 DUMMY_OP 964	965 RP1D_03 965	966 RP1D_KP 966	967 BS2_FGD 967			
THERMAL UNIT									
UNIT FUELS ESCALATION UNIT FUELS AUXILIARY	1								
GEN-ESCL	GEN-ESCL			GEN-ESCL	GEN-ESCL	GEN-ESCL			
968 CR2_NGCC 968	969 CR1_NGCC 969	970 MRS_NGCC 970	971 DUMMY_OP 971	972 DUMMY_OP 972	973 DUMMY_OP 973	974 DUMMY_OP 974			
THERMAL UNIT									
UNIT FUELS ESCALATION UNIT FUELS AUXILIARY	1								
GEN-ESCL	GEN-ESCL	GEN-ESCL							
975 DUMMY_OP 975	976 DUMMY_OP 976	977 DUMMY_OP 977	978 DUMMY_OP 978	979 DUMMY_OP 979	980 DUMMY_OP 980	981 DUMMY_OP 981			
THERMAL UNIT									
UNIT FUELS ESCALATION UNIT FUELS AUXILIARY	1								
GEN-ESCL	GEN-ESCL								
982 DUMMY_OP 982	983 DUMMY_OP 983	984 DUMMY_OP 984	985 DUMMY_OP 985	986 DUMMY_OP 986	987 DUMMY_OP 987	988 DUMMY_OP 988			
THERMAL UNIT									
UNIT FUELS ESCALATION UNIT FUELS AUXILIARY	1								
GEN-ESCL	GEN-ESCL								
989 DUMMY_OP 989	990 DUMMY_OP 990	991 DUMMY_OP 991	992 DUMMY_OP 992	993 DUMMY_OP 993	994 DUMMY_OP 994	995 DUMMY_OP 995			
THERMAL UNIT									
UNIT FUELS ESCALATION UNIT FUELS AUXILIARY	1								
GEN-ESCL	GEN-ESCL								
996 T4_TROMA 996	997 RP2TR_KP 997	998 RP2TR_IM 998	999 DUMMY_OP 999						
THERMAL UNIT									
UNIT FUELS ESCALATION UNIT FUELS AUXILIARY	1								
GEN-ESCL	GEN-ESCL	GEN-ESCL							

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

CAPACITY SEGMENTS	1	2	3	4	5
SEGMENT CAPACITY LIBRARY					
1 AMS_1D	350.00	600.00	672.00	790.00	0.00
SEGMENT CAPACITY LIBRARY					
2 AMS_2D	350.00	600.00	672.00	790.00	0.00
SEGMENT CAPACITY LIBRARY					
3 AMOS_3	462.00	683.10	772.20	858.00	0.00
SEGMENT CAPACITY LIBRARY					
4 BEOK_6	20.00	42.00	53.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
5 BIGS_1	100.00	236.00	278.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
6 BIGS_2	500.00	600.00	680.00	800.00	0.00
SEGMENT CAPACITY LIBRARY					
7 CARD_1	325.00	476.00	595.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
8 CARD_2	325.00	476.00	595.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
9 CARD_3	325.00	504.00	630.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
10 CLIF_1	37.00	66.00	87.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
11 CLIF_2	37.00	65.00	87.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
12 CLIF_3	37.00	65.00	87.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
13 CLIF_4	37.00	65.00	87.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
14 CLIF_5	37.00	65.00	87.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
15 CLIF_6	23.00	65.00	87.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
16 CLIN_1	60.00	200.00	235.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
17 CLIN_2	60.00	200.00	235.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
18 CLIN_3	60.00	200.00	235.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
19	40.00	132.00	165.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
20	141.00	270.00	337.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
21 CSVL_3	130.00	340.00	391.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
22 CSVL_4	130.00	340.00	391.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
23 CSVL_5	1082.00	1083.00	1084.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
24 CSVL_6	1126.00	1127.00	1128.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
25 COKI_09	900.00	1090.00	1222.00	1320.00	0.00
SEGMENT CAPACITY LIBRARY					
26 CKI_10	950.00	1090.00	1222.00	1320.00	0.00
SEGMENT CAPACITY LIBRARY					
27 GAVI_1	25.00	73.00	95.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
28 GAVI_2	75.00	204.00	240.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
29 GIEN_5	20.00	121.00	0.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
30 GIEN_6	2.00	18.00	0.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
31 HYDRAP	70.00	179.00	210.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
32 HYDRIM					

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SEGMENT CAPACITY LIBRARY	70.00	179.00	210.00	0.00	0.00
33 KAMM_1 SEGMENT CAPACITY LIBRARY	70.00	179.00	210.00	0.00	0.00
34 KAMM_2 SEGMENT CAPACITY LIBRARY	50.00	180.00	200.00	0.00	0.00
35 KAMM_3 SEGMENT CAPACITY LIBRARY	50.00	180.00	200.00	0.00	0.00
36 KANA_1 SEGMENT CAPACITY LIBRARY	39.00	67.00	89.00	0.00	0.00
37 KANA_2 SEGMENT CAPACITY LIBRARY	39.00	65.00	86.00	0.00	0.00
38 KYGE_1 SEGMENT CAPACITY LIBRARY	65.00	75.00	85.00	0.00	0.00
39 KYGE_2 SEGMENT CAPACITY LIBRARY	36.00	65.00	86.00	0.00	0.00
40 KYGE_3 SEGMENT CAPACITY LIBRARY	36.00	65.00	86.00	0.00	0.00
41 KYGE_4 SEGMENT CAPACITY LIBRARY	400.00	600.00	655.00	770.00	0.00
42 KYGE_5 SEGMENT CAPACITY LIBRARY	450.00	600.00	672.00	790.00	0.00
43 MTC_1 SEGMENT CAPACITY LIBRARY	600.00	1144.00	1183.00	1314.00	0.00
44 MTC_2 SEGMENT CAPACITY LIBRARY	60.00	174.00	205.00	0.00	0.00
45 MOUN_1 SEGMENT CAPACITY LIBRARY	60.00	174.00	205.00	0.00	0.00
46 MUSK_1 SEGMENT CAPACITY LIBRARY	60.00	183.00	215.00	0.00	0.00
47 MUSK_2 SEGMENT CAPACITY LIBRARY	60.00	183.00	215.00	0.00	0.00
48 MUSK_3 SEGMENT CAPACITY LIBRARY	450.00	540.00	600.00	0.00	0.00
49 MUSK_4 SEGMENT CAPACITY LIBRARY	35.00	120.00	150.00	0.00	0.00
50 MUSK_5 SEGMENT CAPACITY LIBRARY	35.00	120.00	150.00	0.00	0.00
51 PSPN_1 SEGMENT CAPACITY LIBRARY	35.00	120.00	150.00	0.00	0.00
52 PSPN_2 SEGMENT CAPACITY LIBRARY	35.00	120.00	150.00	0.00	0.00
53 PSPN_3 SEGMENT CAPACITY LIBRARY	270.00	360.00	450.00	0.00	0.00

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

CAPACITY SEGMENTS	1	2	3	4	5
SEGMENT CAPACITY LIBRARY					
54 PSPN_4	10.00	80.00	100.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
55 PSPN_5	1.00	26.00	0.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
56 PICW_5	370.00	553.00	829.00	1105.00	0.00
SEGMENT CAPACITY LIBRARY					
57 RACINE	305.00	605.00	845.00	1105.00	0.00
SEGMENT CAPACITY LIBRARY					
58 ROCK_11M	10.00	586.00	0.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
59 ROCK_21M	85.00	121.00	151.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
60 SMITHMT	85.00	121.00	151.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
61 STVA_1	85.00	121.00	151.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
62 STVA_2	85.00	121.00	151.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
63 STVA_3	400.00	524.00	582.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
64 STVA_4	50.00	116.00	145.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
65 MR5_S1	50.00	116.00	145.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
66 TANN_1	65.00	174.00	205.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
67 TANN_2	200.00	440.00	500.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
68 TANN_3	165.00	290.00	330.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
69 TANN_4	84.00	127.00	212.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
70 ZIMM_1	268.00	536.00	715.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
71 REBOR	25.00	38.00	50.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
72 FREMNT	500.00	600.00	646.00	760.00	0.00
SEGMENT CAPACITY LIBRARY					
73 DSTCT	141.00	268.00	335.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
74 BIGS2L	325.00	496.00	620.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
75 CSUAC	141.00	268.00	335.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
76 CARD3D	430.00	860.00	1290.00	1717.00	0.00
SEGMENT CAPACITY LIBRARY					
77 CSVL4D	100.00	230.00	270.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
78 NUCLEAR	100.00	230.00	270.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
79 BS1_09	315.00	635.00	0.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
80 BS1_P	207.00	438.00	0.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
81 IGCCS	219.00	442.00	0.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
82 CCS	1175.00	1176.00	1177.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
83 PCS	60.00	200.00	235.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
84 COK1_11	500.00	800.00	1056.00	1251.00	0.00
SEGMENT CAPACITY LIBRARY					
85 CR_P					

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SEGMENT CAPACITY LIBRARY	500.00	800.00	1040.00	1232.00	0.00
86 RK_1 SEGMENT CAPACITY LIBRARY	500.00	800.00	1084.00	1266.00	0.00
87 RK1_B SEGMENT CAPACITY LIBRARY	500.00	800.00	1068.00	1266.00	0.00
88 RK_2 SEGMENT CAPACITY LIBRARY	300.00	440.00	500.00	0.00	0.00
89 RK_B SEGMENT CAPACITY LIBRARY	1105.00	1106.00	1107.00	0.00	0.00
90 TNR4_Q SEGMENT CAPACITY LIBRARY	1105.00	1106.00	1107.00	0.00	0.00
91 COK2_09 SEGMENT CAPACITY LIBRARY	1119.00	1120.00	1121.00	0.00	0.00
92 CK2_1011 SEGMENT CAPACITY LIBRARY	1209.00	1210.00	1211.00	0.00	0.00
93 COK2_12 SEGMENT CAPACITY LIBRARY	135.00	180.00	0.00	0.00	0.00
94 CK2_1314 SEGMENT CAPACITY LIBRARY	84.00	86.00	0.00	0.00	0.00
95 RHILLS SEGMENT CAPACITY LIBRARY	83.00	85.00	0.00	0.00	0.00
96 CEREDO SEGMENT CAPACITY LIBRARY	600.00	1089.00	1130.00	1256.00	0.00
97 DABBY SEGMENT CAPACITY LIBRARY	1171.00	1172.00	1173.00	0.00	0.00
98 MOUN10 SEGMENT CAPACITY LIBRARY	1080.00	1081.00	1082.00	0.00	0.00
99 COK1_12 SEGMENT CAPACITY LIBRARY	1282.00	1283.00	1284.00	0.00	0.00
100 COK1_13 SEGMENT CAPACITY LIBRARY	312.00	468.00	624.00	0.00	0.00
101 COK1_14 SEGMENT CAPACITY LIBRARY	265.00	400.00	531.00	0.00	0.00
102 USCTC SEGMENT CAPACITY LIBRARY	265.00	400.00	531.00	0.00	0.00
103 PC_R_CCS SEGMENT CAPACITY LIBRARY	231.00	341.55	386.10	429.00	0.00
104 PC_N_CCS SEGMENT CAPACITY LIBRARY	318.00	477.00	636.00	0.00	0.00
105 AM3_AP SEGMENT CAPACITY LIBRARY	270.00	406.00	541.00	0.00	0.00
106 IGCC SEGMENT CAPACITY LIBRARY	392.00	588.00	784.00	0.00	0.00

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

CAPACITY SEGMENTS	1	2	3	4	5
SEGMENT CAPACITY LIBRARY					
107 IGC_RCCS	140.00	232.00	480.00	719.00	840.00
SEGMENT CAPACITY LIBRARY					
108 IGC_NCCS	100.00	228.00	270.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
109 WTRC	173.00	175.00	0.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
110 BS1_RSD	173.00	175.00	0.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
111 ROBT1A	173.00	175.00	0.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
112 ROBT2A	34.00	36.00	0.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
113 ROBT3A	34.00	36.00	0.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
114 ROBT1B	35.00	37.00	0.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
115 ROBT2B	300.00	440.00	500.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
116 ROBT3B	325.00	440.00	500.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
117 TANN4_6	500.00	600.00	655.00	770.00	0.00
SEGMENT CAPACITY LIBRARY					
118 CAR01_8	500.00	600.00	672.00	790.00	0.00
SEGMENT CAPACITY LIBRARY					
119 MITC1_7	600.00	975.00	1013.00	1125.00	0.00
SEGMENT CAPACITY LIBRARY					
120 MITC2_7	425.00	464.00	580.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
121 MOUN1_7	500.00	600.00	659.00	775.00	0.00
SEGMENT CAPACITY LIBRARY					
122 CARD2_8	381.00	572.00	762.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
123 BS2S1	212.00	318.00	424.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
124 2X1GB7A	309.00	464.00	618.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
125 1X1GB7H	100.00	230.00	270.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
126 2X1GB7FA	500.00	600.00	659.00	775.00	0.00
SEGMENT CAPACITY LIBRARY					
127 BS1_D	325.00	476.00	595.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
128 BS2_D	325.00	476.00	595.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
129 CD1_D	141.00	268.00	335.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
130 CD2_D	410.00	600.00	659.00	775.00	0.00
SEGMENT CAPACITY LIBRARY					
131 CV4_D	450.00	600.00	672.00	790.00	0.00
SEGMENT CAPACITY LIBRARY					
132 MC1_D	400.00	524.00	591.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
133 MC2_D	400.00	515.00	572.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
134 MRS	500.00	800.00	1019.00	1274.00	0.00
SEGMENT CAPACITY LIBRARY					
135 MRS_D	500.00	800.00	1009.00	1261.00	0.00
SEGMENT CAPACITY LIBRARY					
136 RP1_A	104.00	120.00	150.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
137 RP2_C	700.00	1035.00	1133.00	1259.00	0.00
SEGMENT CAPACITY LIBRARY					
138 ST1234					

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SEGMENT CAPACITY LIBRARY	959.00	993.00	1015.00	1279.00	0.00
139 AM3 SI					
SEGMENT CAPACITY LIBRARY	1281.00	1282.00	1283.00	0.00	0.00
140 RK1 SI					
SEGMENT CAPACITY LIBRARY	1317.00	1318.00	1319.00	0.00	0.00
141 COK1_15					
SEGMENT CAPACITY LIBRARY	1105.00	1106.00	1107.00	0.00	0.00
142 COK1_16					
SEGMENT CAPACITY LIBRARY	959.00	979.00	999.00	1259.00	0.00
143 COOK2_11					
SEGMENT CAPACITY LIBRARY	90.00	176.00	196.00	0.00	0.00
144 RK2 SI					
SEGMENT CAPACITY LIBRARY	510.00	563.13	844.69	1126.25	0.00
145 KANA_A					
SEGMENT CAPACITY LIBRARY	359.00	545.00	818.00	1090.00	0.00
146 ROCK1_17					
SEGMENT CAPACITY LIBRARY	135.00	180.00	0.00	0.00	0.00
147 ROCK2_19					
SEGMENT CAPACITY LIBRARY	312.00	624.00	0.00	0.00	0.00
148 RHILLS					
SEGMENT CAPACITY LIBRARY	200.00	800.00	0.00	0.00	0.00
149 E_PC_SUP					
SEGMENT CAPACITY LIBRARY	134.00	249.00	373.50	498.00	0.00
150 PC_SUB					
SEGMENT CAPACITY LIBRARY	134.00	249.00	373.50	498.00	0.00
151 W_PC_SUP					
SEGMENT CAPACITY LIBRARY	140.00	248.00	516.00	593.00	0.00
152 W_CFB					
SEGMENT CAPACITY LIBRARY	45.00	90.00	0.00	0.00	0.00
153 IMBG_CC					
SEGMENT CAPACITY LIBRARY	128.00	171.00	0.00	0.00	0.00
154 CT_SM					
SEGMENT CAPACITY LIBRARY	1385.00	1386.00	1387.00	0.00	0.00
155 GE7A					
SEGMENT CAPACITY LIBRARY	315.00	635.00	0.00	0.00	0.00
156 COK1_18					
SEGMENT CAPACITY LIBRARY	393.00	546.00	699.00	852.00	0.00
157 IGCC_A					
SEGMENT CAPACITY LIBRARY	1384.00	1385.00	1386.00	0.00	0.00
158 WTCC					
SEGMENT CAPACITY LIBRARY	1317.00	1318.00	1319.00	0.00	0.00
159 COK1_18					
SEGMENT CAPACITY LIBRARY	1149.00	1150.00	1151.00	0.00	0.00

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

CAPACITY SEGMENTS	1	2	3	4	5
SEGMENT CAPACITY LIBRARY					
160 COK1_19	273.00	499.00	625.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
161 COOK14	336.00	504.00	672.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
162 Dresden	1300.00	1301.00	1302.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
163 CC 2X1FA	1368.00	1369.00	1370.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
164 COK2_15	1300.00	1301.00	1302.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
165 CRK21617	382.00	572.00	736.67	0.00	0.00
SEGMENT CAPACITY LIBRARY					
166 CR2_18	700.00	1006.00	1013.00	1125.00	0.00
SEGMENT CAPACITY LIBRARY					
167 AM3_90%	815.00	844.00	863.00	1087.00	0.00
SEGMENT CAPACITY LIBRARY					
168 MNV_90%	815.00	832.00	849.00	1070.00	0.00
SEGMENT CAPACITY LIBRARY					
169 RP1_90%	893.00	927.00	1039.00	1122.00	0.00
SEGMENT CAPACITY LIBRARY					
170 RP2_90%	893.00	927.00	1039.00	1122.00	0.00
SEGMENT CAPACITY LIBRARY					
171 GVID_90%	1187.00	1188.00	1189.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
172 GY2_90%	700.00	1144.00	1157.00	1285.00	0.00
SEGMENT CAPACITY LIBRARY					
173 COK2	295.00	433.00	492.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
174 MT18	500.00	592.00	685.00	777.00	0.00
SEGMENT CAPACITY LIBRARY					
175 TN4_FGD	500.00	596.00	691.00	787.00	0.00
SEGMENT CAPACITY LIBRARY					
176 BS2_#1	500.00	597.00	693.00	790.00	0.00
SEGMENT CAPACITY LIBRARY					
177 BS2_#5	500.00	596.00	692.00	788.00	0.00
SEGMENT CAPACITY LIBRARY					
178 BS2_#22	359.00	545.00	818.00	1090.00	0.00
SEGMENT CAPACITY LIBRARY					
179 BS2_#23	359.00	545.00	818.00	1090.00	0.00
SEGMENT CAPACITY LIBRARY					
180 RP1D_03	357.00	544.00	816.00	1088.00	0.00
SEGMENT CAPACITY LIBRARY					
181 RP1D_04	344.00	536.00	803.00	1071.00	0.00
SEGMENT CAPACITY LIBRARY					
182 RP1D_08	301.00	452.00	602.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
183 RP1D_20	60.00	136.00	212.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					
184 KP CC FA	255.00	383.00	510.00	0.00	0.00
SEGMENT CAPACITY LIBRARY					

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

CAPACITY SEGMENTS	1	2	3	4
SEGMENT EMISSIONS LIBRARY				
1 AMOS1_11	0.41	0.43	0.43	0.44
SEGMENT EMISSIONS DATA LIBRARY				
2 AMOS2_11	0.40	0.41	0.42	0.43
SEGMENT EMISSIONS DATA LIBRARY				
3 AMOS3_11	0.59	0.65	0.67	0.69
SEGMENT EMISSIONS DATA LIBRARY				
4 BECK_11	0.00	0.00	0.00	0.00
SEGMENT EMISSIONS DATA LIBRARY				
5 BIG_1_11	4.70	10.56	12.49	0.00
SEGMENT EMISSIONS DATA LIBRARY				
6 BIG_2_11	0.39	0.39	0.38	0.38
SEGMENT EMISSIONS DATA LIBRARY				
7 BIG_2_11	0.37	0.37	0.37	0.36
SEGMENT EMISSIONS DATA LIBRARY				
8 CARD1_11	0.40	0.45	0.48	0.00
SEGMENT EMISSIONS DATA LIBRARY				
9 CARD2_11	0.41	0.45	0.48	0.00
SEGMENT EMISSIONS DATA LIBRARY				
10 CARD3_11	0.44	0.49	0.53	0.00
SEGMENT EMISSIONS DATA LIBRARY				
11 CINR1_11	1.68	3.57	4.13	0.00
SEGMENT EMISSIONS DATA LIBRARY				
12 CINR2_11	1.74	3.60	4.14	0.00
SEGMENT EMISSIONS DATA LIBRARY				
13 CINR3_11	1.70	3.50	4.02	0.00
SEGMENT EMISSIONS DATA LIBRARY				
14 CSV3_11	3.69	8.84	11.13	0.00
SEGMENT EMISSIONS DATA LIBRARY				
15 CSV4_11	0.51	0.55	0.56	0.00
SEGMENT EMISSIONS DATA LIBRARY				
16 CSV5_11	2.96	4.65	5.19	0.00
SEGMENT EMISSIONS DATA LIBRARY				
17 CSV6_11	2.89	4.54	5.07	0.00
SEGMENT EMISSIONS DATA LIBRARY				
18 GAV1_11	0.65	0.67	0.69	0.70
SEGMENT EMISSIONS DATA LIBRARY				
19 GAV2_11	0.58	0.60	0.61	0.62
SEGMENT EMISSIONS DATA LIBRARY				
20 GINS_11	4.96	5.46	5.69	0.00
SEGMENT EMISSIONS DATA LIBRARY				
21 GIN6_11	2.93	4.34	4.77	0.00
SEGMENT EMISSIONS DATA LIBRARY				
22 KMR1_11	2.52	2.15	1.98	0.00
SEGMENT EMISSIONS DATA LIBRARY				
23 KMR2_11	2.58	2.17	2.00	0.00
SEGMENT EMISSIONS DATA LIBRARY				
24 KMR3_11	2.45	2.08	1.92	0.00
SEGMENT EMISSIONS DATA LIBRARY				
25 KWH1_11	2.14	5.69	6.33	0.00
SEGMENT EMISSIONS DATA LIBRARY				
26 KWH2_11	1.97	4.96	5.49	0.00
SEGMENT EMISSIONS DATA LIBRARY				
27 SP3_SNGR	1.62	2.42	2.73	0.00
SEGMENT EMISSIONS DATA LIBRARY				
28 MTN_188	0.61	0.70	0.71	0.73
SEGMENT EMISSIONS DATA LIBRARY				
29 MTN_908	0.69	0.76	0.77	0.79
SEGMENT EMISSIONS DATA LIBRARY				
30 MCH1_11	0.44	0.47	0.48	0.51
SEGMENT EMISSIONS DATA LIBRARY				
31 MCH2_11	0.42	0.44	0.46	0.48
SEGMENT EMISSIONS DATA LIBRARY				
32 MNTR_11				

4-Company East Optimization

SEGMENT EMISSIONS DATA LIBRARY	0.61	0.61	0.62	0.64
33 MTNR_1 SEGMENT EMISSIONS DATA LIBRARY	0.59	0.68	0.68	0.71
34 MR1_11 SEGMENT EMISSIONS DATA LIBRARY	4.89	8.91	10.15	0.00
35 MR2_11 SEGMENT EMISSIONS DATA LIBRARY	3.77	6.56	7.42	0.00
36 MR3_11 SEGMENT EMISSIONS DATA LIBRARY	3.41	6.12	6.94	0.00
37 MR4_11 SEGMENT EMISSIONS DATA LIBRARY	2.79	5.82	6.77	0.00
38 MR5_11 SEGMENT EMISSIONS DATA LIBRARY	0.54	0.57	0.59	0.00
39 SPRN1_11 SEGMENT EMISSIONS DATA LIBRARY	2.06	3.59	4.21	0.00
40 SPRN2_11 SEGMENT EMISSIONS DATA LIBRARY	1.97	3.46	4.06	0.00
41 SPRN3_11 SEGMENT EMISSIONS DATA LIBRARY	2.04	3.60	4.24	0.00
42 SPRN4_11 SEGMENT EMISSIONS DATA LIBRARY	2.00	3.57	4.20	0.00
43 SPRN5_11 SEGMENT EMISSIONS DATA LIBRARY	3.84	4.91	6.07	0.00
44 PCWY_11 SEGMENT EMISSIONS DATA LIBRARY	4.81	7.11	7.81	0.00
45 ROCK1_11 SEGMENT EMISSIONS DATA LIBRARY	1.76	2.39	2.80	3.24
46 ROCK2_11 SEGMENT EMISSIONS DATA LIBRARY	1.72	2.29	2.63	3.02
47 TNRC1_11 SEGMENT EMISSIONS DATA LIBRARY	2.24	2.93	3.25	0.00
48 TNRC2_11 SEGMENT EMISSIONS DATA LIBRARY	2.36	2.98	3.26	0.00
49 TNRC3_11 SEGMENT EMISSIONS DATA LIBRARY	2.16	3.72	4.16	0.00
50 BS2_FGD SEGMENT EMISSIONS DATA LIBRARY	0.47	1.06	1.25	0.00
51 TNRC4_11 SEGMENT EMISSIONS DATA LIBRARY	1.68	2.17	2.30	0.00
52 CD3_11 SEGMENT EMISSIONS DATA LIBRARY	0.43	0.48	0.52	0.00
53 AML_FGD SEGMENT EMISSIONS DATA LIBRARY	0.42	0.43	0.43	0.44

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

CAPACITY SEGMENTS	1	2	3	4
SEGMENT EMISSIONS LIBRARY				
54 AM2_FGD SEGMENT EMISSIONS DATA LIBRARY	0.41	0.42	0.42	0.43
55 AM3_FGD SEGMENT EMISSIONS DATA LIBRARY	0.78	0.80	0.83	0.86
56 BS1_SNCR SEGMENT EMISSIONS DATA LIBRARY	2.32	3.86	4.36	0.00
57 BS2_FGD SEGMENT EMISSIONS DATA LIBRARY	0.40	0.40	0.40	0.39
58 CSV4_FGD SEGMENT EMISSIONS DATA LIBRARY	0.56	0.59	0.62	0.00
59 SP4_SNCR SEGMENT EMISSIONS DATA LIBRARY	1.59	2.41	2.73	0.00
60 CSV5_SCR SEGMENT EMISSIONS DATA LIBRARY	0.30	0.47	0.52	0.00
61 CSV6_SCR SEGMENT EMISSIONS DATA LIBRARY	0.29	0.45	0.51	0.00
62 GAV1_CCS SEGMENT EMISSIONS DATA LIBRARY	0.66	0.66	0.68	0.69
63 GAV2_FUP SEGMENT EMISSIONS DATA LIBRARY	0.68	0.68	0.70	0.71
64 GAV2_FUP SEGMENT EMISSIONS DATA LIBRARY	0.77	0.78	0.79	0.80
65 MR5_FGD SEGMENT EMISSIONS DATA LIBRARY	0.47	0.51	0.53	0.00
66 RP1_FGSC SEGMENT EMISSIONS DATA LIBRARY	0.33	0.35	0.35	0.35
67 RP2_FGSC SEGMENT EMISSIONS DATA LIBRARY	0.33	0.35	0.35	0.35
68 TC1_SNCR SEGMENT EMISSIONS DATA LIBRARY	1.68	2.14	2.35	0.00
69 TC2_SNCR SEGMENT EMISSIONS DATA LIBRARY	1.77	2.17	2.36	0.00
70 TC3_SNCR SEGMENT EMISSIONS DATA LIBRARY	1.87	2.57	2.78	0.00

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

CAPACITY SEGMENTS

	1	2	3	4	5
SEGMENT HEAT RATE LIBRARY					
1 AMS 1D	0.00	7.80	889.28	0.00	0.00
2 AMS 2D	0.00	7.74	878.25	0.00	0.00
3 AMOS 3	10.18	9.76	9.68	9.63	0.00
4 BUCK 4	0.01	7.87	58.04	0.00	0.00
5 BIGS 1	0.00	7.94	293.19	0.00	0.00
6 BIGS 2	0.00	8.86	552.10	0.00	0.00
7 CARD 1	0.00	6.23	812.73	0.00	0.00
8 CARD 2	0.00	6.31	822.57	0.00	0.00
9 CARD 3	0.00	6.77	883.28	0.00	0.00
10 CLIP 1	0.01	8.42	77.74	0.00	0.00
11 CLIP 2	0.01	8.41	77.66	0.00	0.00
12 CLIP 3	0.00	8.41	77.66	0.00	0.00
13 CLIP 4	0.01	8.42	77.74	0.00	0.00
14 CLIP 5	0.01	8.41	77.66	0.00	0.00
15 CLIP 6	0.01	8.46	78.11	0.00	0.00
16 CLIN 1	0.00	6.11	282.84	0.00	0.00
17 CLIN 2	0.00	6.58	255.59	0.00	0.00
18 CLIN 3	0.01	6.60	269.12	0.00	0.00
19 GAV2 11	0.00	7.66	1373.93	0.00	0.00
20 AM3 AP	10.18	9.76	9.68	9.63	0.00
21 CSVL 3	0.01	6.11	205.80	0.00	0.00
22 CSVL 4	0.00	7.84	360.62	0.00	0.00
23 CSVL 5	0.01	7.11	519.41	0.00	0.00
24 CSVL 6	0.01	6.93	506.61	0.00	0.00
25 COOK 1	10.83	10.83	10.84	0.00	0.00
26 COOK 2	10.96	10.96	10.97	0.00	0.00
27 GAV1 1	0.00	7.64	1371.31	0.00	0.00
28 GAV1 2	0.00	7.77	1394.86	0.00	0.00
29 GIBN 5	0.01	9.48	95.38	0.00	0.00
30 GIBN 6	0.01	5.69	279.52	0.00	0.00
31 IGCC 1	0.00	6.27	772.19	0.00	0.00
32 NUCLEARS					

4-Company Base Optimization

SEGMENT HEAT RATE LIBRARY	11.92	10.60	10.11	9.90	0.00
33 FAWN 1 SEGMENT HEAT RATE LIBRARY	0.01	6.33	357.86	0.00	0.00
34 FAWN 2 SEGMENT HEAT RATE LIBRARY	0.00	6.51	351.86	0.00	0.00
35 FAWN 3 SEGMENT HEAT RATE LIBRARY	0.01	6.14	343.53	0.00	0.00
36 FAWN 1 SEGMENT HEAT RATE LIBRARY	0.01	6.41	276.38	0.00	0.00
37 FAWN 2 SEGMENT HEAT RATE LIBRARY	0.01	6.45	261.68	0.00	0.00
38 KYGE 1 SEGMENT HEAT RATE LIBRARY	0.01	8.80	63.09	0.00	0.00
39 KYGE 2 SEGMENT HEAT RATE LIBRARY	0.00	8.82	63.22	0.00	0.00
40 KYGE 3 SEGMENT HEAT RATE LIBRARY	0.01	8.82	63.28	0.00	0.00
41 KYGE 4 SEGMENT HEAT RATE LIBRARY	0.01	8.82	63.28	0.00	0.00
42 KYGE 5 SEGMENT HEAT RATE LIBRARY	0.01	8.83	63.34	0.00	0.00
43 MITC 1 SEGMENT HEAT RATE LIBRARY	0.00	7.34	902.27	0.00	0.00
44 MITC 2 SEGMENT HEAT RATE LIBRARY	0.00	7.03	863.24	0.00	0.00
45 MOON 1 SEGMENT HEAT RATE LIBRARY	0.00	6.97	1388.04	0.00	0.00
46 MUSK 1 SEGMENT HEAT RATE LIBRARY	0.01	7.12	290.80	0.00	0.00
47 MUSK 2 SEGMENT HEAT RATE LIBRARY	0.01	7.17	281.96	0.00	0.00
48 MUSK 3 SEGMENT HEAT RATE LIBRARY	0.01	5.47	398.36	0.00	0.00
49 MUSK 4 SEGMENT HEAT RATE LIBRARY	0.01	5.91	351.02	0.00	0.00
50 MUSK 5 SEGMENT HEAT RATE LIBRARY	0.00	6.45	840.78	0.00	0.00
51 PSPN 1 SEGMENT HEAT RATE LIBRARY	0.01	6.99	178.59	0.00	0.00
52 PSPN 2 SEGMENT HEAT RATE LIBRARY	0.01	6.55	172.48	0.00	0.00
53 PSPN 3 SEGMENT HEAT RATE LIBRARY	0.01	6.82	186.27	0.00	0.00

APP BASH
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER CAP INPUT THERMAL UNIT

CAPACITY SEGMENTS

	1	2	3	4	5
SEGMENT HEAT RATE LIBRARY					
54 PSPN 4	0.01	6.58	203.50	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
55 PSPN 5	0.00	6.50	713.15	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
56 RIGW 5	0.01	9.56	81.45	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
57					
SEGMENT HEAT RATE LIBRARY	10.77	10.01	9.75	9.53	0.00
58 ROCK 1M	10.81	10.05	9.80	9.67	0.00
SEGMENT HEAT RATE LIBRARY					
59 ROCK 21M	0.00	6.49	845.47	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
60 NR5 S1	0.00	7.79	166.38	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
61 STUA 1	0.00	7.63	224.47	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
62 STUA 2	0.01	7.56	162.50	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
63 STUA 3	0.00	7.91	179.61	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
64 STUA 4	0.01	6.74	218.25	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
65	0.01	7.43	178.73	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
66 TANN 1	0.01	7.26	276.67	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
67 TANN 2	0.00	5.71	1106.00	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
68 TANN 3	0.00	8.09	328.92	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
69 TANN 4	0.00	7.78	886.32	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
70 ZTWA 1	0.00	9.96	614.39	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
71 AN1S1	0.00	5.96	1134.43	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
72 BS2S1	0.00	8.48	181.01	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
73 TN4S1	0.00	7.73	227.35	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
74 ST1S1	0.01	7.74	166.36	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
75 ST2S1	0.00	8.02	181.94	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
76 ST3S1	0.00	7.04	1401.47	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
77 ST4S1	0.00	8.05	1129.22	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
78 MTR51	0.00	8.21	1151.93	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
79 RK1B10	02.59	11.19	10.66	10.45	0.00
SEGMENT HEAT RATE LIBRARY					
80 RK2B10 1	0.00	7.69	1078.15	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
81 IGCC OCS	0.00	6.58	851.97	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
82 RK2B10 E	10.17	10.02	9.98	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
83 FC OCS	10.45	10.30	10.26	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
84 RK2 2 1	10.30	10.15	10.11	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
85 RK2 2 2					

4-Company Base Optimization

SEGMENT HEAT RATE LIBRARY	0.01	6.33	295.79	0.00	0.00
86 K&B 2.3					
SEGMENT HEAT RATE LIBRARY	0.01	5.94	279.69	0.00	0.00
87 C11 P					
SEGMENT HEAT RATE LIBRARY	0.01	6.85	277.73	0.00	0.00
88 C12 P					
SEGMENT HEAT RATE LIBRARY	0.00	5.62	1089.46	0.00	0.00
89 C13 P					
SEGMENT HEAT RATE LIBRARY	0.05	0.02	607.35	0.00	0.00
90 T&D Q					
SEGMENT HEAT RATE LIBRARY	0.05	0.00	612.81	0.00	0.00
91 CERED01					
SEGMENT HEAT RATE LIBRARY	0.05	0.03	614.78	0.00	0.00
92 CERED02					
SEGMENT HEAT RATE LIBRARY	0.05	0.04	610.93	0.00	0.00
93 CERED03					
SEGMENT HEAT RATE LIBRARY	0.05	0.03	616.93	0.00	0.00
94 CERED04					
SEGMENT HEAT RATE LIBRARY	0.05	0.00	622.34	0.00	0.00
95 CERED05					
SEGMENT HEAT RATE LIBRARY	0.00	8.31	1166.44	0.00	0.00
96 CERED06					
SEGMENT HEAT RATE LIBRARY	0.00	8.33	1170.95	0.00	0.00
97 PK1 G					
SEGMENT HEAT RATE LIBRARY	0.01	6.79	219.82	0.00	0.00
98 PK2 CF					
SEGMENT HEAT RATE LIBRARY	0.01	7.46	180.02	0.00	0.00
99 TC1 SNCR					
SEGMENT HEAT RATE LIBRARY	0.01	7.32	278.70	0.00	0.00
100 TC2 SNCR					
SEGMENT HEAT RATE LIBRARY	2.33	8.89	8.71	0.00	0.00
101 TC3 SNCR					
SEGMENT HEAT RATE LIBRARY	10.97	10.46	10.25	0.00	0.00
102 OSGPC					
SEGMENT HEAT RATE LIBRARY	30.97	10.46	10.25	0.00	0.00
103 PC R CCS					
SEGMENT HEAT RATE LIBRARY	9.34	8.91	8.73	0.00	0.00
104 PG N CCS					
SEGMENT HEAT RATE LIBRARY	10.99	10.49	10.27	0.00	0.00
105					
SEGMENT HEAT RATE LIBRARY	8.21	7.83	7.67	0.00	0.00
106 TGGG					
SEGMENT HEAT RATE LIBRARY	0.00	6.62	863.55	0.00	0.00

APP EAST
GENERATION AND FUEL MODULES
INPUT SUMMARY REPORT

OUTLETIER GAP INPUT THERMAL UNIT

DISPATCH SEGMENTS	1	2	3	4	5
SEGMENT HEAT RATE LIBRARY					
107 IGC RCSS	0.00	6.75	880.24	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
108 IGC NGCS	0.00	6.87	187.51	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
109 MRS S1	0.00	6.63	204.87	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
110 MRS C8	0.00	7.62	588.07	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
111 SP 3SNCR	0.00	7.11	873.45	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
112 SP 4SNCR	0.00	7.11	873.45	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
113	0.00	6.49	1291.20	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
114	0.00	5.67	6.20	7.60	9.15
SEGMENT HEAT RATE LIBRARY					
115 CARD13	0.00	8.45	185.50	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
116 MITC1 2	0.00	8.45	185.50	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
117 MITC2 4	0.00	8.45	185.50	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
118 MOUN1 6	0.00	6.12	7.68	6.21	10.90
SEGMENT HEAT RATE LIBRARY					
119	0.00	10.42	9.90	9.79	0.00
SEGMENT HEAT RATE LIBRARY					
120	0.00	9.85	9.36	9.20	0.00
SEGMENT HEAT RATE LIBRARY					
121	0.00	10.729	9.74	9.56	0.00
SEGMENT HEAT RATE LIBRARY					
122 LMBG CC	0.00	5.74	5.74	11.02	0.00
SEGMENT HEAT RATE LIBRARY					
123 KARBP01	0.00	14.16	12.44	11.60	0.00
SEGMENT HEAT RATE LIBRARY					
124 KARBP02	0.00	9.96	9.46	9.30	0.00
SEGMENT HEAT RATE LIBRARY					
125 KARBP03	0.00	9.96	9.46	9.30	0.00
SEGMENT HEAT RATE LIBRARY					
126 WATERFD	0.00	8.19	7.37	6.85	0.00
SEGMENT HEAT RATE LIBRARY					
127 W.PC.SUB	0.00	9.33	8.89	8.71	0.00
SEGMENT HEAT RATE LIBRARY					
128 W.PC.SUB	0.00	7.33	7.04	7.04	0.00
SEGMENT HEAT RATE LIBRARY					
129 W.CTB	0.00	7.10	6.77	6.63	0.00
SEGMENT HEAT RATE LIBRARY					
130 DESDEN	0.00	7.66	6.97	6.83	0.00
SEGMENT HEAT RATE LIBRARY					
131 W.CT.SM	0.00	8.77	8.77	224.30	0.00
SEGMENT HEAT RATE LIBRARY					
132 W.CT.LIG	0.00	7.92	7.70	7.56	0.00
SEGMENT HEAT RATE LIBRARY					
133 E.PC.SUB	0.00	7.42	1475.84	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
134 P.PAVN1	0.00	9.20	573.02	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
135 E.PC.SUB	0.00	6.92	903.01	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
136 2X16B7A	0.00	6.32	824.09	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
137 1X16B7H	0.00	5.96	1156.23	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
138 2X26B7H	0.00				

			Company Base Optimization			
138	SEGMENT HEAT RATE LIBRARY	0.00	7.19	883.93	0.00	0.00
139	BS1_B	0.00	6.97	955.98	0.00	0.00
140	SEGMENT HEAT RATE LIBRARY	0.00	7.02	1400.95	0.00	0.00
141	BS100ADJ	0.00	6.59	859.75	0.00	0.00
142	SEGMENT HEAT RATE LIBRARY	0.00	8.03	1127.00	0.00	0.00
143	AMS81	0.00	8.03	1127.00	0.00	0.00
144	BS2_D	0.00	7.75	165.39	0.00	0.00
145	SEGMENT HEAT RATE LIBRARY	0.00	7.45	219.23	0.00	0.00
146	GD3_D	0.00	7.56	162.50	0.00	0.00
147	GB2_B	0.00	7.77	176.26	0.00	0.00
148	MC1_B	0.00	9.31	580.17	0.00	0.00
149	SEGMENT HEAT RATE LIBRARY	0.00	9.52	116.18	0.00	0.00
150	MC2_D	0.00	9.53	116.29	0.00	0.00
151	PN1_10	0.00	7.88	176.70	0.00	0.00
152	PR3_D	0.04	11.12	895.50	0.00	0.00
153	RP1_F	0.15	8.83	204.93	0.00	0.00
154	SEGMENT HEAT RATE LIBRARY	0.03	7.83	1024.70	0.00	0.00
155	ST1_D	0.00	8.35	1172.08	0.00	0.00
156	SEGMENT HEAT RATE LIBRARY	0.00	8.37	1175.16	0.00	0.00
157	ST4_D	10.20	9.79	9.77	9.65	0.00
158	BS231	10.24	9.83	9.82	9.69	0.00
159	KN1_A	0.00	7.30	1453.37	0.00	0.00

REP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUANTIFIER GAF INPUT THERMAL UNIT

CAPACITY SEGMENTS	1	2	3	4	5
SEGMENT HEAT RATE LIBRARY					
160 RK2 A	0.00	8.53	1197.49	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
161 MONESU20	0.00	8.66	1215.38	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
162 MONESUM8	0.00	9.07	1535.06	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
163 MONEM120	0.00	8.21	1634.66	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
164 MONEMINT	0.00	10.07	1201.08	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
165 ROCK1 10	0.00	10.22	1219.03	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
166 ROCK2 11	0.00	8.99	1613.38	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
167 ROCK1 10	0.00	8.64	1317.68	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
168 ROCK2 10	0.00	6.51	1291.20	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
169	0.00	7.30	1452.60	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
170 AM3 CF	7.35	7.30	7.24	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
171 RK1 S1	7.35	7.03	6.71	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
172 RK2 S1	0.01	6.72	311.13	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
173	0.01	7.24	292.15	0.00	0.00
SEGMENT HEAT RATE LIBRARY					
174 AM3 96%	0.00	7.09	924.86	0.00	0.00
SEGMENT HEAT RATE LIBRARY					

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	1 SO2 (E)						
	AMOS 1	AMOS 2	AMOS_OP 3	BRCKJRD 6	BIG SAND 1	BIG SAND 2	CARD 1+2 1
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0	0
EMISSIONS DATA PROFILE							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							
EFFLUENT THERMAL UNIT	1 SO2 (E)						
	8	9	10	11	12	13	14
	CARD 1+2	CARD 3	CLIFTY 1	CLIFTY 2	CLIFTY 3	CLIFTY 4	CLIFTY 5
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0	0
EMISSIONS DATA PROFILE							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							

----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

EFFLUENT
 THERMAL UNIT

1 S02 (E)

	15 CLIFTY 6	16 CLINCH R 1	17 CLINCH R 2	18 CLINCH R 3	19 ROCKP _KP 1	20 ROCKP _KP 2	21 CSVL 1-4 3
----- YEAR 2011 -----	0.00	0.00	0.00	0.00	0.86	0.78	0.00
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.86	0.78	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.86	0.78	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0
----- YEAR 2012 -----	0.00	0.00	0.00	0.00	0.84	0.76	0.00
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.84	0.76	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.84	0.76	0.00
----- YEAR 2013 -----	0.00	0.00	0.00	0.00	0.87	0.77	0.00
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.87	0.77	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.87	0.77	0.00
----- YEAR 2014 -----	0.00	0.00	0.00	0.00	0.87	0.78	0.00
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.87	0.78	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.87	0.78	0.00
----- YEAR 2015 -----	0.00	0.00	0.00	0.00	0.76	0.67	0.00
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.76	0.67	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.76	0.67	0.00

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

EFFLUENT
 THERMAL UNIT

1 SO2 (E)

	29 GLEN LYN 5	30 GLEN LYN 6	33 KAMMER 1	34 KAMMER 2	35 KAMMER 3	36 KANAWHA 1	37 KANAWHA 2
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

REFUELER THERMAL UNIT	1 SO2 (E)		30		33		34		35		36		37	
	GLEN LYN 5	GLEN LYN 6	KAMBER 1	KAMBER 2	KAMBER 3	KANAWHA 1	KANAWHA 2							
YEAR 2023														
YEAR 2024														
YEAR 2025														
YEAR 2026														
YEAR 2027														
YEAR 2028														
YEAR 2029														
YEAR 2030														
YEAR 2031														
YEAR 2032														
YEAR 2033														
YEAR 2034														
YEAR 2035														
YEAR 2036														
YEAR 2037														
YEAR 2038														
YEAR 2039														
YEAR 2040														

REFUELER THERMAL UNIT	1 SO2 (E)		38		39		40		41		42		43		44	
	KYGER 1	KYGER 2	KYGER 3	KYGER 4	KYGER 5	MITCHELL 1	MITCHELL 2									
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EMISSIONS DATA PROFILE																
YEAR 2012																
YEAR 2013																
YEAR 2014																
YEAR 2015																
YEAR 2016																
YEAR 2017																
YEAR 2018																
YEAR 2019																
YEAR 2020																
YEAR 2021																
YEAR 2022																
YEAR 2023																
YEAR 2024																
YEAR 2025																
YEAR 2026																
YEAR 2027																
YEAR 2028																
YEAR 2029																
YEAR 2030																
YEAR 2031																
YEAR 2032																
YEAR 2033																
YEAR 2034																
YEAR 2035																

4-Company East Optimization

YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040	REFURN THERMAL UNIT	1 SO2 (E)	45 MOUNT_ER 1	46 MUSK RVR 1	47 MUSK RVR 2	48 MUSK RVR 3	49 MUSK RVR 4	50 MUSK RVR 5	51 P SPOK 1
-----	-----	-----	-----	-----	-----	-----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-----	-----	-----	-----	-----	EMISSIONS DATA AT MAXIMUM	-----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-----	-----	-----	-----	-----	EMISSIONS DATA AT MINIMUM	-----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-----	-----	-----	-----	-----	EMISSIONS DATA PROFILE	-----	0	0	0	0	0	0	0
-----	YEAR 2011	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2012	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2013	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2014	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2015	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2016	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2017	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2018	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2019	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2020	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2021	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2022	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2023	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2024	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2025	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2026	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2027	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2028	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2029	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2030	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2031	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2032	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	1 SO2 (E)	45 MOUNT_ER 1	46 MUSK RVR 1	47 MUSK RVR 2	48 MUSK RVR 3	49 MUSK RVR 4	50 MUSK RVR 5	51 P SPOBN 1
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EFFLUENT THERMAL UNIT	1 SO2 (E)	52 P SPOBN 2	53 P SPOBN 3	54 P SPOBN 4	55 P SPOBN 5	56 PICWAY 5	57 RPRER_IM 1	58 RPRDN_IM 1
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EFFLUENT THERMAL UNIT	1 SO2 (E)	59 ROCKP_IM 2	61 STUART 1	62 STUART 2	63 STUART 3	64 STUART 4	65 AMOS_AP 3	66 TANN 1-3 1
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
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YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0

4-Company East Optimization

----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

REFUELER THERMAL UNIT	1 SO2 (E)	67 TANN 1-3 2	68 TANN 1-3 3	69 TANN 4 4	70 ZIMMER 1	71 ROBTWONE 1	72 ROBTWONE 2	73 ROBTWONE 3
YEAR 2011		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE		0	0	0	0	0	0	0
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
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YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

REFUELER THERMAL UNIT	1 SO2 (E)	75 CEREDO 1	76 CEREDO 2	77 CEREDO 3	78 CEREDO 4	79 CEREDO 5	80 CEREDO 6	81 DARBY 1
YEAR 2011		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE		0	0	0	0	0	0	0
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								

----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

EFFLUENT THERMAL UNIT	1 SO2 (E)							
	DARBY 2	DARBY 3	DARBY 4	DARBY 5	DARBY 6	IMBG WIN 1	IMBG WIN 2	
----- YEAR 2011 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0	0	
----- YEAR 2012 -----								
----- YEAR 2013 -----								
----- YEAR 2014 -----								
----- YEAR 2015 -----								
----- YEAR 2016 -----								
----- YEAR 2017 -----								
----- YEAR 2018 -----								
----- YEAR 2019 -----								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EPFLUENT THERMAL UNIT	1 SO2 (E)	82	DARBY 2	83	DARBY 3	84	DARBY 4	85	DARBY 5	86	DARBY 6	87	LMBG WIN 1	88	LMBG WIN 2
YEAR 2020															
YEAR 2021															
YEAR 2022															
YEAR 2023															
YEAR 2024															
YEAR 2025															
YEAR 2026															
YEAR 2027															
YEAR 2028															
YEAR 2029															
YEAR 2030															
YEAR 2031															
YEAR 2032															
YEAR 2033															
YEAR 2034															
YEAR 2035															
YEAR 2036															
YEAR 2037															
YEAR 2038															
YEAR 2039															
YEAR 2040															

EPFLUENT THERMAL UNIT	1 SO2 (E)	89	LMBG SMR 1	90	LMBG SMR 2	91	WATR CC 1	92	WATR2 1	93	DRESDEN 1	94	DRESSD2 1	101	NUCLEAR 1
YEAR 2011		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
YEAR 2012		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
YEAR 2013															
YEAR 2014															
YEAR 2015															
YEAR 2016															
YEAR 2017															
YEAR 2018															
YEAR 2019															
YEAR 2020															
YEAR 2021															
YEAR 2022															
YEAR 2023															
YEAR 2024															
YEAR 2025															
YEAR 2026															
YEAR 2027															
YEAR 2028															
YEAR 2029															
YEAR 2030															
YEAR 2031															
YEAR 2032															
YEAR 2033															
YEAR 2034															
YEAR 2035															
YEAR 2036															
YEAR 2037															
YEAR 2038															
YEAR 2039															
YEAR 2040															

EMISSIONS DATA AT MAXIMUM
EMISSIONS DATA AT MINIMUM
EMISSIONS DATA PROFILE

YEAR	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	
EMISSIONS DATA AT MAXIMUM																				
EMISSIONS DATA AT MINIMUM																				
EMISSIONS DATA PROFILE																				
YEAR 2011	102	103	104	105	106	107	108													
YEAR 2012	UPC_NCCS 1	PC_ULE_SU 1	UPC_RCCS 1	IGC_NCCS 1	IGCC GE 1	IGC_RCCS 1	CC 2X1FB 1													
YEAR 2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00													
YEAR 2014	0.00	0.00	0.00	0.00	0.00	0.00	0.00													
YEAR 2015	0	0	0	0	0	0	0													
YEAR 2016																				
YEAR 2017																				
YEAR 2018																				
YEAR 2019																				
YEAR 2020																				
YEAR 2021																				
YEAR 2022																				
YEAR 2023																				
YEAR 2024																				
YEAR 2025																				
YEAR 2026																				
YEAR 2027																				
YEAR 2028																				
YEAR 2029																				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

REP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	1 SO2 (E)	102 UPC_NCCS	103 PC_UL_SU	104 UPC_RCCS	105 IGC_NCCS	106 IGCC GE	107 IGC_RCCS	108 CC 2X1FB
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EFFLUENT THERMAL UNIT	1 SO2 (E)	109 CC 2X1FA	110 CC 1X17H	111 BS2_CC	114 CT GE7FA	115 CT_GE7EA	124 BS2_FGD	125 BS1_FGD
YEAR 2011		0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012		0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EMISSIONS DATA AT MAXIMUM
EMISSIONS DATA AT MINIMUM
EMISSIONS DATA PROFILE

EFFLUENT
THERMAL UNIT

1 SO2 (E)	126 CSVS_SCR	127 CSV6_SCR	129 CR1_NGCC	130 CR2_NGCC	131 MRS_NGCC	132 MRS_FGD	133 RPLD_IM
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

4-Company East Optimization

YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL_UNIT.

EFFLUENT
THERMAL UNIT

1 SO2 (E) 126 127 129 130 131 132 133

YEAR 2040

CSV5_SCR 5 CSV6_SCR 6 CRI_NGCC 1 CR2_NGCC 2 MRS_NGCC 5 MRS_FGD 5 RP1D_IM 1

EFFLUENT
THERMAL UNIT

1 SO2 (E) 134 135 136 137 144 145 146

YEAR 2011

RP2D_IM 2 TAN4_FGD 4 RP1D_KP 1 RP2D_KP 2 TC4_ESP 4 A390*AP 3 A390*OP 3

EMISSIONS DATA AT MAXIMUM
EMISSIONS DATA AT MINIMUM
EMISSIONS DATA PROFILE

0.00 0.00 0.10 0.62 0.00 0.00 0.00
0.00 0.00 0.10 0.62 0.00 0.00 0.00
0 0 0 0 0 0 0

YEAR 2012

EMISSIONS DATA AT MAXIMUM
EMISSIONS DATA AT MINIMUM

0.00 0.00 0.10 0.61 0.00 0.00 0.00

YEAR 2013

EMISSIONS DATA AT MAXIMUM
EMISSIONS DATA AT MINIMUM

0.00 0.00 0.10 0.62 0.00 0.00 0.00

YEAR 2014

EMISSIONS DATA AT MAXIMUM
EMISSIONS DATA AT MINIMUM

0.00 0.00 0.10 0.62 0.00 0.00 0.00

YEAR 2015

EMISSIONS DATA AT MAXIMUM
EMISSIONS DATA AT MINIMUM

0.00 0.00 0.10 0.54 0.00 0.00 0.00

YEAR 2016

EMISSIONS DATA AT MAXIMUM
EMISSIONS DATA AT MINIMUM

0.00 0.00 0.10 0.55 0.00 0.00 0.00

YEAR 2017

EMISSIONS DATA AT MAXIMUM
EMISSIONS DATA AT MINIMUM

0.00 0.00 0.10 0.52 0.00 0.00 0.00

YEAR 2018

YEAR 2019

YEAR 2020

YEAR 2021

YEAR 2022

YEAR 2023

YEAR 2024

YEAR 2025

YEAR 2026

YEAR 2027

YEAR 2028

YEAR 2029

YEAR 2030

YEAR 2031

YEAR 2032

YEAR 2033

YEAR 2034

YEAR 2035

YEAR 2036

YEAR 2037

YEAR 2038

YEAR 2039

YEAR 2040

EFFLUENT
THERMAL UNIT

1 SO2 (E) 147 148 149 150 151 153 154

YEAR 2011

MTN_90% 1 RPT1_90% 1 RPT2_90% 2 GV1_90% 1 GV2_90% 2 MTN_18% 1 CC_FA_KP 1

EMISSIONS DATA AT MAXIMUM
EMISSIONS DATA AT MINIMUM
EMISSIONS DATA PROFILE

0.00 0.03 0.02 0.00 0.00 0.00 0.00
0.00 0.03 0.02 0.00 0.00 0.00 0.00
0 0 0 0 0 0 0

YEAR 2012

4-Company East Optimization

-----	YEAR 2013	-----							
-----	YEAR 2014	-----							
-----	YEAR 2015	-----							
-----	YEAR 2016	-----							
-----	YEAR 2017	-----							
-----	YEAR 2018	-----							
-----	YEAR 2019	-----	0.00	0.02	0.02	0.00	0.00	0.00	0.00
-----	EMISSIONS DATA AT MAXIMUM	-----							
-----	EMISSIONS DATA AT MINIMUM	-----	0.00	0.02	0.02	0.00	0.00	0.00	0.00
-----	YEAR 2020	-----							
-----	YEAR 2021	-----							
-----	YEAR 2022	-----							
-----	YEAR 2023	-----							
-----	YEAR 2024	-----							
-----	YEAR 2025	-----							
-----	YEAR 2026	-----							
-----	YEAR 2027	-----							
-----	YEAR 2028	-----							
-----	YEAR 2029	-----							
-----	YEAR 2030	-----							
-----	YEAR 2031	-----							
-----	YEAR 2032	-----							
-----	YEAR 2033	-----							
-----	YEAR 2034	-----							
-----	YEAR 2035	-----							
-----	YEAR 2036	-----							
-----	YEAR 2037	-----							
-----	YEAR 2038	-----							
-----	YEAR 2039	-----							
-----	YEAR 2040	-----							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

REFUELER THERMAL UNIT	1 SO2 (B)	155 CT_OHIO 1	156 CC_OH 1	157 CT_I&M 1	158 CC_I&M 1	159 CT_APCO 1	160 CC_APCO 1	161 CT_KPCO 1
YEAR 2011		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE		0	0	0	0	0	0	0
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
REFUELER THERMAL UNIT	1 SO2 (B)	162 CC_KPCO 1	163 BS2 FGD 1	164 BS2 FGD 5	165 BS2 FGD 22	166 BS2 FGD 23	168 IGCC AP 1	169 PC_UL_AP 1
YEAR 2011		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE		0	0	0	0	0	0	0
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								

YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
EFFLUENT																	
THERMAL UNIT																	
1 SO2 (E)																	
	170	171	172	173	174	175	176										
	Nuke_AP	IGCC IM	PC_UL_IM	NUKE_IM	IGCC KP	PC_UL_KP	NUKE_KP										
	1	1	1	1	1	1	1										
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0										
YEAR 2011																	
YEAR 2012																	
YEAR 2013																	
YEAR 2014																	
YEAR 2015																	
YEAR 2016																	
YEAR 2017																	
YEAR 2018																	
YEAR 2019																	

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

EFFLUENT
THERMAL UNIT

1	SO2 (E)	170	171	172	173	174	175	176
	Nuke_Ap	IGCC_TM	PC_UL_TM	NUKE_IM	IGCC_KP	PC_UL_KP	NUKE_KP	
	1	1	1	1	1	1	1	1

----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

EFFLUENT
THERMAL UNIT

1	SO2 (E)	177	178	179	181	182	183	184
	IGCC_OH	PC_UL_OH	NUKE_OH	RP1D_03	RP1D_04	RP1D_08	RP1D_20	
	1	1	1	1	1	1	1	1

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----

EMISSIONS DATA AT MAXIMUM
 EMISSIONS DATA AT MINIMUM
 EMISSIONS DATA PROFILE

	1	SO2 (E)									
-----	YEAR 2033	-----									
-----	YEAR 2034	-----									
-----	YEAR 2035	-----									
-----	YEAR 2036	-----									
-----	YEAR 2037	-----									
-----	YEAR 2038	-----									
-----	YEAR 2039	-----									
-----	YEAR 2040	-----									
-----	EFFLUENT	-----									
-----	THERMAL UNIT	-----									
			186	187	188	189	190	191	201		
			RP1TR_IM	RP2TR_IM	RP1TR_KP	RP2TR_KP	F4_TROWA	F4_TRCCR			
			_1	_2	_1	_2	_4	_4	_4		
-----	YEAR 2011	-----	0.00	0.00	0.69	0.62	0.00	0.00	0.00	0.00	0.00
-----	EMISSIONS DATA AT MAXIMUM	-----	0.00	0.00	0.69	0.62	0.00	0.00	0.00	0.00	0.00
-----	EMISSIONS DATA AT MINIMUM	-----	0	0	0	0	0	0	0	0	0
-----	EMISSIONS DATA PROFILE	-----									
-----	YEAR 2012	-----	0.00	0.00	0.67	0.61	0.00	0.00	0.00	0.00	0.00
-----	EMISSIONS DATA AT MAXIMUM	-----	0.00	0.00	0.67	0.61	0.00	0.00	0.00	0.00	0.00
-----	EMISSIONS DATA AT MINIMUM	-----									
-----	YEAR 2013	-----	0.00	0.00	0.70	0.62	0.00	0.00	0.00	0.00	0.00
-----	EMISSIONS DATA AT MAXIMUM	-----	0.00	0.00	0.70	0.62	0.00	0.00	0.00	0.00	0.00
-----	EMISSIONS DATA AT MINIMUM	-----									
-----	YEAR 2014	-----	0.00	0.00	0.70	0.62	0.00	0.00	0.00	0.00	0.00
-----	EMISSIONS DATA AT MAXIMUM	-----	0.00	0.00	0.70	0.62	0.00	0.00	0.00	0.00	0.00
-----	EMISSIONS DATA AT MINIMUM	-----									
-----	YEAR 2015	-----	0.00	0.00	0.61	0.54	0.00	0.00	0.00	0.00	0.00
-----	EMISSIONS DATA AT MAXIMUM	-----	0.00	0.00	0.61	0.54	0.00	0.00	0.00	0.00	0.00
-----	EMISSIONS DATA AT MINIMUM	-----									
-----	YEAR 2016	-----	0.00	0.00	0.61	0.55	0.00	0.00	0.00	0.00	0.00
-----	EMISSIONS DATA AT MAXIMUM	-----	0.00	0.00	0.61	0.55	0.00	0.00	0.00	0.00	0.00
-----	EMISSIONS DATA AT MINIMUM	-----									
-----	YEAR 2017	-----	0.00	0.00	0.59	0.52	0.00	0.00	0.00	0.00	0.00
-----	EMISSIONS DATA AT MAXIMUM	-----	0.00	0.00	0.59	0.52	0.00	0.00	0.00	0.00	0.00
-----	EMISSIONS DATA AT MINIMUM	-----									
-----	YEAR 2018	-----									
-----	YEAR 2019	-----									
-----	YEAR 2020	-----									
-----	YEAR 2021	-----									
-----	YEAR 2022	-----									
-----	YEAR 2023	-----									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT
THERMAL UNIT

YEAR	1 SO2 (E)	186	187	188	189	190	191	201
	RP1TR_IM	RP2TR_IM	RP1TR_KP	RP2TR_KP	T4_TROVA	T4_TRCCR		
YEAR 2024	1	2	1	2	4	4		0
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								

EMISSIONS DATA AT MAXIMUM
EMISSIONS DATA AT MINIMUM

YEAR	0.00	0.00	0.52	0.52	0.00	0.00	0.00
	MR_STR1	MR_STR2	AMS3_ST	BS2_ST	MR3_CF	MR3_ST	RP11_CF
YEAR 2036	1	1	3	2	5	5	1
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

EFFLUENT
THERMAL UNIT

YEAR	1 SO2 (E)	223	224	228	229	230	231	232
	MR_STR1	MR_STR2	AMS3_ST	BS2_ST	MR3_CF	MR3_ST	RP11_CF	
YEAR 2011	1	1	3	2	5	5	1	1
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								

EMISSIONS DATA AT MAXIMUM
EMISSIONS DATA AT MINIMUM
EMISSIONS DATA PROFILE

YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.88
YEAR 2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								

4-Company East Optimization

YEAR	2036	2037	2038	2039	2040
EFFLUENT					
THERMAL UNIT					
	1	2	1	2	1
	233	234	235	251	252
	RPT2_CF	RPT1_SI	RPT2_SI	DCI_HPF	DCI_IS
	2	1	2	1	1
	253	254			
	DCI_BFF	DCI_17			
	1	1			
	233	234	235	251	252
	RPT2_CF	RPT1_SI	RPT2_SI	DCI_HPF	DCI_IS
	2	1	2	1	1
	253	254			
	DCI_BFF	DCI_17			
	1	1			
YEAR 2011	0.88	0.03	0.02	0.00	0.00
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0	0	0	0	0
EMISSIONS DATA PROFILE					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
EMISSIONS DATA AT MAXIMUM	0.88	0.02	0.02	0.00	0.00
EMISSIONS DATA AT MINIMUM					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
	1 SO2 (E)							
	RPT2_CP 2	RPT1_SI 1	RPT2_SI 2	DC1_HPT 1	DC1_IS 1	DC1_EFF 1	DC1_IL 1	
	233	234	235	251	252	253	254	
	DC1_3800 1	DC2_HPT 2	DC2_EFF 2	DC2_SPU 2	DC2_3800 2	BIGSD_15 1	BIGSD_GP 1	
	255	257	258	259	260	269	270	
	DC1_3800 1	DC2_HPT 2	DC2_EFF 2	DC2_SPU 2	DC2_3800 2	BIGSD_15 1	BIGSD_GP 1	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0	0	0	0	0	0	0	

EFFLUENT THERMAL UNIT	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
	1 SO2 (E)																													
	DC1_3800 1	DC2_HPT 2	DC2_EFF 2	DC2_SPU 2	DC2_3800 2	BIGSD_15 1	BIGSD_GP 1																							
	255	257	258	259	260	269	270																							
	DC1_3800 1	DC2_HPT 2	DC2_EFF 2	DC2_SPU 2	DC2_3800 2	BIGSD_15 1	BIGSD_GP 1																							
	0.00	0.00	0.00	0.00	0.00	0.00	0.00																							
	0.00	0.00	0.00	0.00	0.00	0.00	0.00																							
	0	0	0	0	0	0	0																							

EFFLUENT THERMAL UNIT	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
	1 SO2 (E)																													
	CIN_O_HM 1	CIN_O_15 1	CIN_O_HM 2	CIN_O_15 2	CIN_O_HM 3	CIN_O_15 3	CIN_O_HM 3																							
	271	272	273	274	275	276	277																							
	CIN_O_HM 1	CIN_O_15 1	CIN_O_HM 2	CIN_O_15 2	CIN_O_HM 3	CIN_O_15 3	CVL_3_HM 3																							
	0.00	0.00	0.00	0.00	0.00	0.00	0.00																							
	0.00	0.00	0.00	0.00	0.00	0.00	0.00																							
	0	0	0	0	0	0	0																							

----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

REFUELER THERMAL UNIT	1 SO2 (E)	285 KMR_F_HM 2	286 KMR_F_GP 2	287 KMR_F_HM 3	288 KMR_F_GP 3	289 KWA_I_HM 1	290 KWA_I_15 1	291 KWA_2_HM 2
YEAR 2011	278	279	280	281	282	283	284	
EMISSIONS DATA AT MAXIMUM	CVL_3_10	GLN_5_HM	GLN_5_15	GLN_6_HM	GLN_6_15	KMR_F_HM	KMR_F_GP	
EMISSIONS DATA AT MINIMUM	3	5	5	6	6	1	1	
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0
YEAR 2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2014	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2016	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2017	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2018	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2025	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2027	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2028	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2029	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2030	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2031	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2032	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2033	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2034	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2035	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2036	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2037	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2038	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2039	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2040	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

EFFLUENT
 THERMAL UNIT

1 S02 (E)

	292	293	294	295	296	297	298
	KWA_2_15	MSKR1_HM	MSKR1_12	MSKR2_HM	MSKR2_12	MSKR3_GP	MR3HM_12
	2	1	1	2	2	3	3
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	1 SO2 (E)	292 KWA_2_15 2	293 MSKR1_HM 1	294 MSKR1_12 1	295 MSKR2_HM 2	296 MSKR2_12 2	297 MSKR3_GP 3	298 MR3HM_12 3
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EFFLUENT THERMAL UNIT	1 SO2 (E)	299 MSKR4_GP 4	300 M4HM_12 4	301 PICWY_HM 5	302 PICWY_GP 5	303 SP1_F_HM 1	304 SP1_F_15 1	305 SP2_F_HM 2
YEAR 2011		0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012		0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EMISSIONS DATA AT MAXIMUM EMISSIONS DATA AT MINIMUM EMISSIONS DATA PROFILE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								

----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

EFFLUENT THERMAL UNIT	1 SO2 (E)						
	306	307	308	309	310	311	312
	SP2_F_15 _2	SP3_Q_HM _3	SP3_Q_15 _3	SP4_Q_HM _4	SP4_Q_15 _4	SP5_HM _5	SP5_15 _5
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							

NOTE: DATA DISPLAYED ABOVE 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT		1 SO2 (E)									
YEAR 2030		306	307	308	309	310	311	312			
YEAR 2031											
YEAR 2032											
YEAR 2033											
YEAR 2034											
YEAR 2035											
YEAR 2036											
YEAR 2037											
YEAR 2038											
YEAR 2039											
YEAR 2040											

EFFLUENT THERMAL UNIT		1 SO2 (E)									
YEAR 2011		313	314	315	316	317	318	319			
YEAR 2012											
YEAR 2013											
YEAR 2014											
YEAR 2015											
YEAR 2016											
YEAR 2017											
YEAR 2018											
YEAR 2019											
YEAR 2020											
YEAR 2021											
YEAR 2022											
YEAR 2023											
YEAR 2024											
YEAR 2025											
YEAR 2026											
YEAR 2027											
YEAR 2028											
YEAR 2029											
YEAR 2030											
YEAR 2031											
YEAR 2032											
YEAR 2033											
YEAR 2034											
YEAR 2035											
YEAR 2036											
YEAR 2037											
YEAR 2038											
YEAR 2039											
YEAR 2040											

EFFLUENT THERMAL UNIT		1 SO2 (E)									
		320	364	500	501	502	503	958			
		RH115 1	0	DURMAY_OP 0	DURMAY_IM 0	DURMAY_AP 0	DURMAY_KP 0	CC_KPCO 958			

4-Company East Optimization

-----	YEAR 2011	-----	0.00	0.00	0.00	0.00	0.00	0.00
EMISSI	DATA AT	MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00
EMISSI	DATA AT	MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00
EMISSI	DATA	PROFILE	0	0	0	0	0	0
-----	YEAR 2012	-----						
-----	YEAR 2013	-----						
-----	YEAR 2014	-----						
-----	YEAR 2015	-----						
-----	YEAR 2016	-----						
-----	YEAR 2017	-----						
-----	YEAR 2018	-----						
-----	YEAR 2019	-----						
-----	YEAR 2020	-----						
-----	YEAR 2021	-----						
-----	YEAR 2022	-----						
-----	YEAR 2023	-----						
-----	YEAR 2024	-----						
-----	YEAR 2025	-----						
-----	YEAR 2026	-----						
-----	YEAR 2027	-----						
-----	YEAR 2028	-----						
-----	YEAR 2029	-----						
-----	YEAR 2030	-----						
-----	YEAR 2031	-----						
-----	YEAR 2032	-----						
-----	YEAR 2033	-----						
-----	YEAR 2034	-----						
-----	YEAR 2035	-----						
-----	YEAR 2036	-----						
-----	YEAR 2037	-----						
-----	YEAR 2038	-----						
-----	YEAR 2039	-----						

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	1 SO2 (E)														
	320 RH11s_1	364 0	500 DUMMY_OP_0	501 DUMMY_IM_0	502 DUMMY_AP_0	503 DUMMY_KP_0	958 CC_KRCC_958	959 RP2D_KP_959	960 RP2D_IM_960	961 CSV6_SCR_961	962 CSV5_SCR_962	963 DUMMY_OP_963	964 DUMMY_OP_964	965 RP1D_03_965	
YEAR 2011	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA AT MAXIMUM	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
EMISSIONS DATA PROFILE															
YEAR 2012	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA AT MAXIMUM	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA PROFILE															
YEAR 2013	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA AT MAXIMUM	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA PROFILE															
YEAR 2014	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA AT MAXIMUM	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA PROFILE															
YEAR 2015	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA AT MAXIMUM	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA PROFILE															
YEAR 2016	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA AT MAXIMUM	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA PROFILE															
YEAR 2017	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA AT MAXIMUM	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA PROFILE															
YEAR 2018															
YEAR 2019															
YEAR 2020															
YEAR 2021															
YEAR 2022															
YEAR 2023															
YEAR 2024															
YEAR 2025															
YEAR 2026															
YEAR 2027															
YEAR 2028															
YEAR 2029															
YEAR 2030															
YEAR 2031															
YEAR 2032															
YEAR 2033															
YEAR 2034															
YEAR 2035															
YEAR 2036															
YEAR 2037															
YEAR 2038															
YEAR 2039															
YEAR 2040															
EFFLUENT THERMAL UNIT	966 RP1D_KP_966	967 BS2_FGD_967	968 CR2_NGCC_968	969 CR1_NGCC_969	970 MRS_NGCC_970	971 DUMMY_OP_971	972 DUMMY_OP_972								
YEAR 2011	0.10	0.00	0.00	0.00	0.00	0.00	0.00								
EMISSIONS DATA AT MAXIMUM	0.10	0.00	0.00	0.00	0.00	0.00	0.00								
EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0	0								
EMISSIONS DATA PROFILE															
YEAR 2012															

----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
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----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
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----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
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----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

REFUELER THERMAL UNIT	1 SO2 (E)	973 DUMMY_OP 973	974 DUMMY_OP 974	975 DUMMY_OP 975	976 DUMMY_OP 976	977 DUMMY_OP 977	978 DUMMY_OP 978	979 DUMMY_OP 979
YEAR 2011		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM		0	0	0	0	0	0	0
EMISSIONS DATA PROFILE								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
REFUELER THERMAL UNIT	1 SO2 (E)	980 DUMMY_OP 980	981 DUMMY_OP 981	982 DUMMY_OP 982	983 DUMMY_OP 983	984 DUMMY_OP 984	985 DUMMY_OP 985	986 DUMMY_OP 986
YEAR 2011		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM		0	0	0	0	0	0	0
EMISSIONS DATA PROFILE								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								

----- YEAR 2023 -----
 ----- YEAR 2024 -----
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 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

EFFLUENT
 THERMAL UNIT

1 SO2 (B)

	987	988	989	990	991	992	993
	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
	987	988	989	990	991	992	993
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	1 SO2 (E)	987	988	989	990	991	992	993
	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
	987	988	989	990	991	992	993	
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EFFLUENT THERMAL UNIT	1 SO2 (E)	994	995	996	997	998	999
	DUMMY_OP	DUMMY_OP	T4_TRONA	RP2TR_KP	RP2TR_IM	DUMMY_OP	
	994	995	996	997	998	999	
YEAR 2011							
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.62	0.00	0.00	
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.62	0.00	0.00	
EMISSIONS DATA PROFILE	0	0	0	0	0	0	
YEAR 2012							
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.61	0.00	0.00	
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.61	0.00	0.00	
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.62	0.00	0.00	
YEAR 2013							
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.62	0.00	0.00	
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.62	0.00	0.00	
YEAR 2014							
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.62	0.00	0.00	
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.62	0.00	0.00	
YEAR 2015							
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.54	0.00	0.00	
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.54	0.00	0.00	
YEAR 2016							
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.55	0.00	0.00	
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.55	0.00	0.00	
YEAR 2017							
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.52	0.00	0.00	
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.52	0.00	0.00	
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							

YEAR	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
EMISSIONS DATA AT MAXIMUM	208.40	208.40	208.40	208.40	208.40	208.40	208.40	208.40	208.40	208.40	208.40	208.40	208.40	208.40
EMISSIONS DATA AT MINIMUM	208.40	208.40	208.40	208.40	208.40	208.40	208.40	208.40	208.40	208.40	208.40	208.40	208.40	208.40
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2011	209.93													
YEAR 2012														
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														
YEAR 2018														
YEAR 2019														
YEAR 2020														
YEAR 2021														
YEAR 2022														
YEAR 2023														

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

EFFLUENT THERMAL UNIT	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
2 CO2 (S)	1	2	3	4	5	6	7							
AMOS	1	2	3	4	5	6	7							
AMOS_OP														
BECKJORD														
BIG SAND														
CARD 1+2														

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	2 CO2 (S)						
	AMOS 1	AMOS 2	AMOS_OP 3	BRCKJORD 6	BIG SAND 1	BIG SAND 2	CARD 1+2 7
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

EFFLUENT THERMAL UNIT	2 CO2 (S)						
	CARD 1+2 8	CARD 3 9	CLIFFY 1 10	CLIFFY 2 11	CLIFFY 3 12	CLIFFY 4 13	CLIFFY 5 14
YEAR 2011	209.93	205.45	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM	209.93	205.45	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0	0
EMISSIONS DATA PROFILE							
YEAR 2012	209.93	209.93	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM	209.93	209.93	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							

YEAR 2035

YEAR	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EFFLUENT THERMAL UNIT	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
CLIFFY 6	CLINCH R 1	CLINCH R 1	CLINCH R 2	CLINCH R 3	ROCKP_KP 1	ROCKP_KP 2	CSVL 1-4 3															
205.30	205.30	205.30	205.30	205.30	211.74	211.74	205.30															

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	2 CO2 (S)	15 CLIFTY 6	16 CLINCH R 1	17 CLINCH R 2	18 CLINCH R 3	19 ROCKP _RP 1	20 ROCKP _RP 2	21 CSVL 1-4 3
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
EFFLUENT THERMAL UNIT	2 CO2 (S)	22 CSVL 1-4 4	23 CSVL 5+6 5	24 CSVL 5+6 6	25 D C COOK 1	26 D C COOK 2	27 GAVLN 1	28 GAVLN 2
YEAR 2011								
EMISSIONS DATA AT MAXIMUM		208.40	210.66	210.66	0.00	0.00	205.82	205.82
EMISSIONS DATA AT MINIMUM		208.40	210.66	210.66	0.00	0.00	205.82	205.82
EMISSIONS DATA PROFILE		0	0	0	0	0	0	0
YEAR 2012								
EMISSIONS DATA AT MAXIMUM		208.40	210.66	210.66	0.00	0.00	206.11	206.11
EMISSIONS DATA AT MINIMUM		208.40	210.66	210.66	0.00	0.00	206.11	206.11
EMISSIONS DATA AT MINIMUM		208.40	210.66	210.66	0.00	0.00	205.30	205.30
YEAR 2013								
EMISSIONS DATA AT MAXIMUM		208.40	210.66	210.66	0.00	0.00	205.30	205.30
EMISSIONS DATA AT MINIMUM		208.40	210.66	210.66	0.00	0.00	205.30	205.30
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
EFFLUENT THERMAL UNIT	2 CO2 (S)	29 GLEN LTN 5	30 GLEN LTN 6	33 KAMMER 1	34 KAMMER 2	35 KAMMER 3	36 KANAWHA 1	37 KANAWHA 2
YEAR 2011								

4-Company East Optimization

EMISSIONS DATA AT MAXIMUM	205.30	205.30	208.26	208.26	208.26	205.30	205.30
EMISSIONS DATA AT MINIMUM	205.30	205.30	208.26	208.26	208.26	205.30	205.30
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0
----- YEAR 2012 -----							
----- YEAR 2013 -----							
----- YEAR 2014 -----							
----- YEAR 2015 -----							
----- YEAR 2016 -----							
----- YEAR 2017 -----							
----- YEAR 2018 -----							
----- YEAR 2019 -----							
----- YEAR 2020 -----							
----- YEAR 2021 -----							
----- YEAR 2022 -----							
----- YEAR 2023 -----							
----- YEAR 2024 -----							
----- YEAR 2025 -----							
----- YEAR 2026 -----							
----- YEAR 2027 -----							
----- YEAR 2028 -----							
----- YEAR 2029 -----							
----- YEAR 2030 -----							
----- YEAR 2031 -----							
----- YEAR 2032 -----							
----- YEAR 2033 -----							
----- YEAR 2034 -----							
----- YEAR 2035 -----							
----- YEAR 2036 -----							
----- YEAR 2037 -----							
----- YEAR 2038 -----							
----- YEAR 2039 -----							
----- YEAR 2040 -----							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

REFUELT THERMAL UNIT	2 CO2 (S)		45		46		47		48		49		50		51	
	KYGER 1	KYGER 2	MUSK RVR 1	MUSK RVR 1	MUSK RVR 2	MUSK RVR 2	MUSK RVR 3	MUSK RVR 3	MUSK RVR 4	MUSK RVR 4	MUSK RVR 5	MUSK RVR 5	P	SPORN		
YEAR 2011	0.00	0.00	208.38	205.30	208.38	205.30	208.38	205.30	208.38	205.30	208.38	205.30			208.77	208.77
EMISSIONS DATA AT MAXIMUM	0.00	0.00	208.38	205.30	208.38	205.30	208.38	205.30	208.38	205.30	208.38	205.30			208.77	208.77
EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0	0	0	0	0	0	0			0	0
EMISSIONS DATA PROFILE																
YEAR 2012																
YEAR 2013																
YEAR 2014																
YEAR 2015																
YEAR 2016																
YEAR 2017																
YEAR 2018																
YEAR 2019																
YEAR 2020																
YEAR 2021																
YEAR 2022																
YEAR 2023																
YEAR 2024																
YEAR 2025																
YEAR 2026																
YEAR 2027																
YEAR 2028																
YEAR 2029																
YEAR 2030																
YEAR 2031																
YEAR 2032																
YEAR 2033																
YEAR 2034																
YEAR 2035																
YEAR 2036																
YEAR 2037																
YEAR 2038																
YEAR 2039																
YEAR 2040																
REFUELT THERMAL UNIT	2 CO2 (S)		45	46	47	48	49	50	P		SPORN					
			MOUNT_	MOUNT_	MOUNT_	MOUNT_	MOUNT_	MOUNT_	MOUNT_	MOUNT_	MOUNT_	MOUNT_				
			1	1	2	3	4	5	1	1	1	1				
YEAR 2011			208.38	205.30	208.38	205.30	208.38	205.30	208.38	205.30	208.38	205.30			208.30	205.30
EMISSIONS DATA AT MAXIMUM			208.38	205.30	208.38	205.30	208.38	205.30	208.38	205.30	208.38	205.30			208.30	205.30
EMISSIONS DATA AT MINIMUM			0	0	0	0	0	0	0	0	0	0			0	0
EMISSIONS DATA PROFILE																
YEAR 2012																
EMISSIONS DATA AT MAXIMUM																
EMISSIONS DATA AT MINIMUM																
YEAR 2013																
EMISSIONS DATA AT MAXIMUM																
EMISSIONS DATA AT MINIMUM																
YEAR 2014																
EMISSIONS DATA AT MAXIMUM																
EMISSIONS DATA AT MINIMUM																
YEAR 2015																
EMISSIONS DATA AT MAXIMUM																
EMISSIONS DATA AT MINIMUM																
YEAR 2016																
EMISSIONS DATA AT MAXIMUM																
EMISSIONS DATA AT MINIMUM																
YEAR 2017																
EMISSIONS DATA AT MAXIMUM																
EMISSIONS DATA AT MINIMUM																
YEAR 2018																
EMISSIONS DATA AT MAXIMUM																
EMISSIONS DATA AT MINIMUM																
YEAR 2019																
EMISSIONS DATA AT MAXIMUM																
EMISSIONS DATA AT MINIMUM																
YEAR 2020																
EMISSIONS DATA AT MAXIMUM																
EMISSIONS DATA AT MINIMUM																

----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

EMISSIONS DATA AT MAXIMUM	2 CO2 (S)	52	53	54	55	56	57	58
EMISSIONS DATA AT MINIMUM		205.30	205.30	205.30	205.30	205.30	211.74	211.74
EMISSIONS DATA EXCELLE		0	0	0	0	0	0	0

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

REFUELER
THERMAL UNIT

YEAR 2018 -----
YEAR 2019 -----
YEAR 2020 -----
YEAR 2021 -----
YEAR 2022 -----
YEAR 2023 -----
YEAR 2024 -----
YEAR 2025 -----
YEAR 2026 -----
YEAR 2027 -----
YEAR 2028 -----
YEAR 2029 -----
YEAR 2030 -----
YEAR 2031 -----
YEAR 2032 -----
YEAR 2033 -----
YEAR 2034 -----
YEAR 2035 -----
YEAR 2036 -----
YEAR 2037 -----
YEAR 2038 -----
YEAR 2039 -----
YEAR 2040 -----

2 CO2 (S) 52 53 54 55 56 57 58
P SPOHN 2 P SPOHN 3 P SPOHN 4 P SPOHN 5 PICWAY 5 RPRET_IM 1 RPRUN_IM 1
ROCKP_IM 2 STUART 1 STUART 2 STUART 3 STUART 4 AMOS_AP 3 TANN 1-3 1

EFFLUENT
THERMAL UNIT

YEAR 2011 -----
EMISSIONS DATA AT MAXIMUM 211.74 209.93 209.93 209.93 209.93 209.93 208.40 205.30
EMISSIONS DATA AT MINIMUM 211.74 209.93 209.93 209.93 209.93 209.93 208.40 205.30
EMISSIONS DATA PROFILE 0 0 0 0 0 0 0 0

YEAR 2012 -----
YEAR 2013 -----
YEAR 2014 -----
YEAR 2015 -----
YEAR 2016 -----
YEAR 2017 -----
YEAR 2018 -----
YEAR 2019 -----
YEAR 2020 -----
YEAR 2021 -----
YEAR 2022 -----
YEAR 2023 -----
YEAR 2024 -----
YEAR 2025 -----
YEAR 2026 -----
YEAR 2027 -----
YEAR 2028 -----
YEAR 2029 -----
YEAR 2030 -----

2 CO2 (S)
ROCKP_IM 2
STUART 1
STUART 2
STUART 3
STUART 4
AMOS_AP 3
TANN 1-3 1

YEAR	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
EMISSIONS DATA AT MAXIMUM	205.30	205.30	205.30	211.22	208.60	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	205.30	205.30	205.30	211.22	208.60	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0	0	0
YEAR 2011										
YEAR 2012										
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	2 CO2 (\$)	67 TANN 1-3 2	68 TANN 1-3 3	69 TANN 4 4	70 ZIMMER 1	71 ROBTWONE 1	72 ROBTWONE 2	73 ROBTWONE 3
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EFFLUENT THERMAL UNIT	2 CO2 (\$)	75 CEREDO 1	76 CEREDO 2	77 CEREDO 3	78 CEREDO 4	79 CEREDO 5	80 CEREDO 6	81 DARBY 1
YEAR 2011		0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012		0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EMISSIONS DATA AT MAXIMUM
EMISSIONS DATA AT MINIMUM
EMISSIONS DATA PROFILE

YEAR 2011
YEAR 2012
YEAR 2013
YEAR 2014
YEAR 2015
YEAR 2016
YEAR 2017
YEAR 2018
YEAR 2019
YEAR 2020
YEAR 2021
YEAR 2022
YEAR 2023
YEAR 2024
YEAR 2025
YEAR 2026
YEAR 2027
YEAR 2028
YEAR 2029
YEAR 2030
YEAR 2031
YEAR 2032
YEAR 2033
YEAR 2034
YEAR 2035
YEAR 2036
YEAR 2037
YEAR 2038
YEAR 2039
YEAR 2040

4-Company East Optimization

EFFLUENT THERMAL UNIT	2 CO2 (\$)														
YEAR 2011	82	DARBY 2	83	DARBY 3	84	DARBY 4	85	DARBY 5	86	DARBY 6	87	IMBG WIN 1	88	IMBG WIN 2	
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
YEAR 2012															
YEAR 2013															
YEAR 2014															
YEAR 2015															
YEAR 2016															
YEAR 2017															
YEAR 2018															
YEAR 2019															
YEAR 2020															
YEAR 2021															
YEAR 2022															
YEAR 2023															
YEAR 2024															
YEAR 2025															
YEAR 2026															
YEAR 2027															
YEAR 2028															
YEAR 2029															
YEAR 2030															
YEAR 2031															
YEAR 2032															
YEAR 2033															
YEAR 2034															
YEAR 2035															
YEAR 2036															
YEAR 2037															

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	2 CO2 (S)	82	83	84	85	86	87	88
YEAR 2038								
YEAR 2039								
YEAR 2040								
DARBY 2		DARBY 3	DARBY 4	DARBY 5	DARBY 6	LMBG WIN 1	LMBG WIN 2	

EFFLUENT THERMAL UNIT	2 CO2 (S)	89	90	91	92	93	94	101
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
LMBG SMR 1		LMBG SMR 2	WATR CC 1	WATR2 1	DRESDEN 1	DRESD2 1	NUCLEAR 1	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0	0	0	0	0	0	0	0	

EFFLUENT THERMAL UNIT	2 CO2 (S)	102	103	104	105	106	107	108
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
UPC_MCCS 1		PG_UL_SU 1	UPC_RCCS 1	IGC_MCCS 1	IGCC GF 1	IGC_RCCS 1	CC 2X1FB 1	
20.53	20.53	205.30	205.30	20.53	205.30	205.30	0.00	
0	0	0	0	0	0	0	0	

EMISSIONS DATA AT MAXIMUM	20.53	205.30	205.30	20.53	205.30	205.30	0.00
EMISSIONS DATA AT MINIMUM	20.53	205.30	205.30	20.53	205.30	205.30	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0

----	YEAR 2017	-----																			
----	YEAR 2018	-----																			
----	YEAR 2019	-----																			
----	YEAR 2020	-----																			
	EMISSIONS DATA AT MAXIMUM		20.53																		
	EMISSIONS DATA AT MINIMUM		20.53																		
----	YEAR 2021	-----																			
----	YEAR 2022	-----																			
----	YEAR 2023	-----																			
----	YEAR 2024	-----																			
----	YEAR 2025	-----																			
----	YEAR 2026	-----																			
----	YEAR 2027	-----																			
----	YEAR 2028	-----																			
----	YEAR 2029	-----																			
----	YEAR 2030	-----																			
----	YEAR 2031	-----																			
----	YEAR 2032	-----																			
----	YEAR 2033	-----																			
----	YEAR 2034	-----																			
----	YEAR 2035	-----																			
----	YEAR 2036	-----																			
----	YEAR 2037	-----																			
----	YEAR 2038	-----																			
----	YEAR 2039	-----																			
----	YEAR 2040	-----																			
----	YEAR 2012	-----																			
	EMISSIONS DATA AT MAXIMUM		0.00																		
	EMISSIONS DATA AT MINIMUM		0.00																		
----	YEAR 2011	-----																			
----	EMISSIONS DATA AT MAXIMUM		0.00																		
----	EMISSIONS DATA AT MINIMUM		0.00																		
----	EMISSIONS DATA PROFILE																				
----	YEAR 2011	-----																			
	EMISSIONS DATA AT MAXIMUM		0.00																		
	EMISSIONS DATA AT MINIMUM		0.00																		
----	EMISSIONS DATA PROFILE																				
----	YEAR 2012	-----																			

2 CO2 (S)

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

REFUELER THERMAL UNIT	2 CO2 (\$)	109 CC 2x1FA 1	110 CC 1x17H 1	111 BS2_CC 1	114 CF GETFA 1	115 CF_GETFA 1	124 BS2_FGD 2	125 BS1_FGD 1
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EFFLUENT THERMAL UNIT	2 CO2 (\$)	126 CSV5_SCR 5	127 CSV6_SCR 6	129 CR1_NGCC 1	130 CR2_NGCC 2	131 MR5_NGCC 5	132 MR5_FGD 5	133 RPLD_IM 1
YEAR 2011		210.66	210.66	0.00	0.00	0.00	205.30	212.58
EMISSIONS DATA AT MAXIMUM		210.66	210.66	0.00	0.00	0.00	205.30	212.58
EMISSIONS DATA AT MINIMUM		0	0	0	0	0	0	0
EMISSIONS DATA PROFILE		0	0	0	0	0	0	0
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								

-----	YEAR 2026	-----
-----	YEAR 2027	-----
-----	YEAR 2028	-----
-----	YEAR 2029	-----
-----	YEAR 2030	-----
-----	YEAR 2031	-----
-----	YEAR 2032	-----
-----	YEAR 2033	-----
-----	YEAR 2034	-----
-----	YEAR 2035	-----
-----	YEAR 2036	-----
-----	YEAR 2037	-----
-----	YEAR 2038	-----
-----	YEAR 2039	-----
-----	YEAR 2040	-----

EFFLUENT
THERMAL UNIT

2 CO2 (S)

-----	YEAR 2011	-----	-----	-----	-----	-----	-----	-----	-----	-----
EMISSIONS DATA AT MAXIMUM										
EMISSIONS DATA AT MINIMUM										
EMISSIONS DATA PROFILE										
-----	YEAR 2012	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2013	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2014	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2015	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2016	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2017	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2018	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2019	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2020	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2021	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2022	-----	-----	-----	-----	-----	-----	-----	-----	-----

134	135	136	137	144	145	146
RP2D_IM	MANA_FGD	RP1D_KP	RP2D_KP	TC4_ESP	A390% AP	A390%OP
2	4	1	2	4	3	3

212.58	212.03	212.58	212.58	211.22	20.52	20.52
212.58	212.03	212.58	212.58	211.22	20.52	20.52
0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAR.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	2 CO2 (S)	134	TAN4_FGD 4	135	RP1D_KP 1	136	RP2D_KP 2	137	TC4_ESP 4	144	A390%_AP 3	145	A390%_OP 3	146
YEAR 2023														
YEAR 2024														
YEAR 2025														
YEAR 2026														
YEAR 2027														
YEAR 2028														
YEAR 2029														
YEAR 2030														
YEAR 2031														
YEAR 2032														
YEAR 2033														
YEAR 2034														
YEAR 2035														
YEAR 2036														
YEAR 2037														
YEAR 2038														
YEAR 2039														
YEAR 2040														

EFFLUENT THERMAL UNIT	2 CO2 (S)	147	RP1L_90% 1	148	RP1L_90% 1	149	RP1L_90% 2	150	GV1_90% 1	151	GV2_90% 2	153	MTN_18% 1	154	CC_FA_KP 1
YEAR 2011	26.48	19.04	19.04	19.04	20.53	20.64	177.79	0.00							
EMISSIONS DATA AT MAXIMUM	26.48	19.04	19.04	19.04	20.53	20.64	177.79	0.00							
EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0	0	0							
EMISSIONS DATA PROFILE															
YEAR 2012															
YEAR 2013															
YEAR 2014															
YEAR 2015															
YEAR 2016															
YEAR 2017															
YEAR 2018															
YEAR 2019															
YEAR 2020															
YEAR 2021															
YEAR 2022															
YEAR 2023															
YEAR 2024															
YEAR 2025															
YEAR 2026															
YEAR 2027															
YEAR 2028															
YEAR 2029															
YEAR 2030															
YEAR 2031															
YEAR 2032															
YEAR 2033															
YEAR 2034															
YEAR 2035															

YEAR	2036	2037	2038	2039	2040	REFUELED THERMAL UNIT						
EMISSIONS DATA AT MAXIMUM						155	156	157	158	159	160	161
EMISSIONS DATA AT MINIMUM						0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE						0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2011						1	1	1	1	1	1	1
YEAR 2012						0	0	0	0	0	0	0
YEAR 2013												
YEAR 2014												
YEAR 2015												
YEAR 2016												
YEAR 2017												
YEAR 2018												
YEAR 2019												
YEAR 2020												
YEAR 2021												
YEAR 2022												
YEAR 2023												
YEAR 2024												
YEAR 2025												
YEAR 2026												
YEAR 2027												
YEAR 2028												
YEAR 2029												
YEAR 2030												
YEAR 2031												
YEAR 2032												

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

REFUELER THERMAL UNIT	2 CO2 (S)	155	156	157	158	159	160	161
YEAR 2033	CT_OHIO 1	CC_OH 1	CT_1&M 1	CC_1&M 1	CT_APCCO 1	CC_APCCO 1	CT_KPCO 1	
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

REFUELER THERMAL UNIT	2 CO2 (S)	162	163	164	165	166	168	169
YEAR 2011	CC_KPCO 1	BS2_FGD 1	BS2_FGD 5	BS2_FGD 22	BS2_FGD 23	IGCC_AP 1	PC_UL_AP 1	
EMISSIONS DATA AT MAXIMUM	0.00	205.30	205.30	205.30	205.30	205.30	205.30	205.30
EMISSIONS DATA AT MINIMUM	0.00	205.30	205.30	205.30	205.30	205.30	205.30	205.30
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
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YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

REFUELER THERMAL UNIT	2 CO2 (S)	170	171	172	173	174	175	176
YEAR 2011	NUKE_AP 1	IGCC_IM 1	PC_UL_IM 1	NUKE_IM 1	IGCC_KP 1	PC_UL_KP 1	NUKE_KP 1	
EMISSIONS DATA AT MAXIMUM	0.00	205.30	205.30	0.00	205.30	205.30	0.00	0.00
EMISSIONS DATA AT MINIMUM	0.00	205.30	205.30	0.00	205.30	205.30	0.00	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
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YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

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----- YEAR 2036 -----
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----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

REFUELT THERMAL UNIT	2 CO2 (S)									
	177	178	179	181	182	183	184			
	IGCC OH	PC_UL_OH	NUKE OH	RPID_03	RPID_04	RPID_08	RPID_20			
YEAR 2011	205.30	205.30	0.00	212.58	212.58	212.58	212.58			
EMISSIONS DATA AT MAXIMUM	205.30	205.30	0.00	212.58	212.58	212.58	212.58			
EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0	0			
EMISSIONS DATA PROFILE										
YEAR 2012										
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
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YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										
REFUELT THERMAL UNIT	2 CO2 (S)									
	186	187	188	189	190	191	201			
	RP1TR_IM	RP2TR_IM	RP1TR_KP	RP2TR_KP	T4_TRONA	T4_TRCCR				
	1	2	1	2	4	4	0			
YEAR 2011	211.74	211.74	211.74	211.74	211.22	211.22	0.00			
EMISSIONS DATA AT MAXIMUM	211.74	211.74	211.74	211.74	211.22	211.22	0.00			
EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0	0			
EMISSIONS DATA PROFILE										
YEAR 2012										
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										

----- YEAR 2023 -----
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 ----- YEAR 2032 -----
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 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

EFFLUENT
 THERMAL UNIT

2 CO2 (S)

MR_STKR1	MR_STKR2	AMS3_SI	BS2_SI	MR5_CF	MR5_SI	RPT1_CF
1	1	3	2	5	5	1
223	224	228	229	230	231	232
0.00	0.00	187.49	186.10	202.14	184.63	207.41
0.00	0.00	187.49	186.10	202.14	184.63	207.41
0	0	0	0	0	0	0

----- YEAR 2011 -----
 EMISSIONS DATA AT MAXIMUM
 EMISSIONS DATA AT MINIMUM
 EMISSIONS DATA PROFILE

----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

EFFLUENT
THERMAL UNIT

2 CO2 (S)	223	224	228	229	230	231	232
MR_STR1	MR_STR2	AMS3_SI	BS2_SI	MRS_CF	MRS_SI	RPT1_CF	
1	1	3	2	5	5	1	

YEAR 2020 -----
 YEAR 2021 -----
 YEAR 2022 -----
 YEAR 2023 -----
 YEAR 2024 -----
 YEAR 2025 -----
 YEAR 2026 -----
 YEAR 2027 -----
 YEAR 2028 -----
 YEAR 2029 -----
 YEAR 2030 -----
 YEAR 2031 -----
 YEAR 2032 -----
 YEAR 2033 -----
 YEAR 2034 -----
 YEAR 2035 -----
 YEAR 2036 -----
 YEAR 2037 -----
 YEAR 2038 -----
 YEAR 2039 -----
 YEAR 2040 -----

EFFLUENT
THERMAL UNIT

2 CO2 (S)	233	234	235	251	252	253	254
RPT2_CF	RPT1_SI	RPT2_SI	DCL_HPT	DCL_IS	DCL_EPF	DCL_17	
2	1	2	1	1	1	1	1

EMISSIONS DATA AT MAXIMUM
EMISSIONS DATA AT MINIMUM
EMISSIONS DATA PROFILE

YEAR 2011 -----
 YEAR 2012 -----
 YEAR 2013 -----
 YEAR 2014 -----
 YEAR 2015 -----
 YEAR 2016 -----
 YEAR 2017 -----
 YEAR 2018 -----
 YEAR 2019 -----
 YEAR 2020 -----
 YEAR 2021 -----
 YEAR 2022 -----
 YEAR 2023 -----
 YEAR 2024 -----
 YEAR 2025 -----
 YEAR 2026 -----
 YEAR 2027 -----
 YEAR 2028 -----
 YEAR 2029 -----
 YEAR 2030 -----
 YEAR 2031 -----
 YEAR 2032 -----

4-Company East Optimization

YEAR	2033	2034	2035	2036	2037	2038	2039	2040
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0
YEAR 2011	255	257	258	259	260	269	270	
DC1_3800	1	2	2	2	2	15	GP	
DC2_HPT								
DC2_EFF								
DC2_SPU								
DC2_3800								
BITGSD_15								
BITGSD_GP								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAR.INPUT.THERMAL UNIT.

REFUELT THERMAL UNIT	2 CO2 (S)	DC1_3800	DC2_HPT	DC2_EFF	DC2_SPU	DC2_3800	BIGSD_15	BIGSD_GP
YEAR 2030		255	257	258	259	260	269	270
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

REFUELT THERMAL UNIT	2 CO2 (S)	CLN_Q_HM	CLN_Q_15	CLN_Q_HM	CLN_Q_15	CLN_Q_HM	CLN_Q_15	CVL_3_HM
YEAR 2011	271	272	273	274	275	276	277	
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

REFUELT THERMAL UNIT	2 CO2 (S)	CVL_3_10	GIN_5_HM	GIN_5_15	GIN_6_HM	GIN_6_15	KMR_F_HM	KMR_F_GP
YEAR 2011	278	279	280	281	282	283	284	
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

4-Company East Optimization

YEAR 2011	205.30	205.30	205.30	205.30	205.30	207.98	207.98
EMISSIONS DATA AT MAXIMUM	205.30	205.30	205.30	205.30	205.30	207.98	207.98
EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0	0
EMISSIONS DATA PROFILE							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.


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----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

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EMISSIONS DATA AT MAXIMUM		2 CO2 (S)												
EMISSIONS DATA AT MINIMUM	MSKR4_GP	299	M4HM_12	300	PICWY_HM	301	PICWY_GP	302	SP1_F_HM	303	SP1_F_15	304	SP2_F_HM	305
EMISSIONS DATA PROFILE	4	4	4	4	5	5	5	5	1	1	1	1	2	2
YEAR 2011		205.30		205.30		205.30		205.30		205.30		205.30		205.30
		205.30		205.30		205.30		205.30		205.30		205.30		205.30
		0		0		0		0		0		0		0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	2 CO2 (S)	MSKR4_GP 4	M4HW_I2 4	PICWY_HM 5	PICWY_GP 5	SP1_F_HM 1	SP1_F_I5 1	SP2_F_HM 2
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EFFLUENT THERMAL UNIT	2 CO2 (S)	306 SP2_F_I5 2	307 SP3_Q_HM 3	308 SP3_Q_I5 3	309 SP4_Q_HM 4	310 SP4_Q_I5 4	311 SP5_HM 5	312 SP5_I5 5
YEAR 2011								
EMISSIONS DATA AT MAXIMUM		205.30	205.30	205.30	205.30	205.30	205.30	205.30
EMISSIONS DATA AT MINIMUM		205.30	205.30	205.30	205.30	205.30	205.30	205.30
EMISSIONS DATA PROFILE		0	0	0	0	0	0	0
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								

YEAR	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
EMISSIONS DATA AT MAXIMUM	205.30	205.30	205.30	205.30	205.30	205.30	205.30	205.30	205.30	205.30	205.30	205.30
EMISSIONS DATA AT MINIMUM	205.30	205.30	205.30	205.30	205.30	205.30	205.30	205.30	205.30	205.30	205.30	205.30
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2011	313	314	315	316	317	318	319					
EFFLUENT THERMAL UNIT	TNR_F_HM_1	TNR_F_15_1	TNR_F_HM_2	TNR_F_15_2	TNR_F_HM_3	TNR_F_15_3	PW_GP_15_5					
2 CO2 (S)	313	314	315	316	317	318	319					
YEAR 2012												
YEAR 2013												
YEAR 2014												
YEAR 2015												
YEAR 2016												
YEAR 2017												
YEAR 2018												
YEAR 2019												
YEAR 2020												
YEAR 2021												
YEAR 2022												
YEAR 2023												
YEAR 2024												
YEAR 2025												

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT
THERMAL UNIT

YEAR	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
2 CO2 (S)	313	314	315	316	317	318	319								
TNR_F_HM	1	1	2	2	3	3	5								

EFFLUENT THERMAL UNIT	2 CO2 (S)	RH11s 1	364	500	501	502	503	CC_KRCD	958
YEAR 2011	116.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM	116.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0	0	0	0
EMISSIONS DATA PROFILE									
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
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YEAR 2025									
YEAR 2026									
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YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
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YEAR 2035									
YEAR 2036									
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YEAR 2038									
YEAR 2039									
YEAR 2040									

YEAR 2026
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YEAR 2037
YEAR 2038

YEAR 2039	YEAR 2040	YEAR 2011	2 CO2 (S)	959	960	961	962	963	964	965
-----	-----	-----								
EFFLUENT										
THERMAL UNIT										

EMISSIONS DATA AT MAXIMUM				212.58	212.58	210.66	210.66	0.00	0.00	212.58
EMISSIONS DATA AT MINIMUM				212.58	212.58	210.66	210.66	0.00	0.00	212.58
EMISSIONS DATA PROFILE				0	0	0	0	0	0	0
YEAR 2012										
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	2 CO2 (\$)	RP2D_KP 959	RP2D_LM 960	CSV6_SCR 961	CSV5_SCR 962	DUMMY_OP 963	DUMMY_OP 964	RP1D_03 965
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EFFLUENT THERMAL UNIT	2 CO2 (\$)	RP1D_KP 966	BS2_FGD 967	CR2_NGCC 968	CRI_NGCC 969	MRS_NGCC 970	DUMMY_OP 971	DUMMY_OP 972
YEAR 2011		212.58	205.30	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM		212.58	205.30	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM		0	0	0	0	0	0	0
EMISSIONS DATA PROFILE								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EFFLUENT THERMAL UNIT	2 CO2 (\$)	973 DUMMY_OP 973	974 DUMMY_OP 974	975 DUMMY_OP 975	976 DUMMY_OP 976	977 DUMMY_OP 977	978 DUMMY_OP 978	979 DUMMY_OP 979
YEAR 2011		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM		0	0	0	0	0	0	0
EMISSIONS DATA PROFILE								
YEAR 2012								
YEAR 2013								
YEAR 2014								

----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

REFLUBN ¹	2	CO2 (S)	980	981	982	983	984	985	986
THERMAL UNIT			DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
			980	981	982	983	984	985	986
EMISSIONS DATA AT MAXIMUM			0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM			0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE			0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	2 CO2 (S)						
	980	981	982	983	984	985	986
	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
	980	981	982	983	984	985	986
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							
EFFLUENT THERMAL UNIT	2 CO2 (S)						
	987	988	989	990	991	992	993
	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
	987	988	989	990	991	992	993
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0	0
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							

----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

EFFLUENT
 THERMAL UNIT

2 CO2 (S)

	994 DUMKY OP 594	995 DUMKY OP 595	T4_TROVA 996 996	997 RP2TR_KP 997	998 RP2TR_TM 998	999 DUMKY OP 599
EMISSIONS DATA AT MAXIMUM	0.00	0.00	211.22	211.74	211.74	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.00	211.22	211.74	211.74	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

EFFLUENT THERMAL UNIT	2 CO2 (S)	994	995	996	997	998	999
	DUMM_OP	DUMM_OP	T4_THRONA	REPTR_KP	RP2TR_IM	DUMM_OP	
	994	995	996	997	998	999	

----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

EFFLUENT THERMAL UNIT	3 CO2 (G)	1	2	3	4	5	6	7
	AMOS	AMOS	AMOS_OP	BECKJORD	BIG SAND	BIG SAND		CARD 1+2
	1	2	3	6	1	2		1
----- YEAR 2011 -----	0.00	0.00	0.00	0.00	0.00	0.00		0.00
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00		0.00
EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0		0
EMISSIONS DATA PROFILE								

----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----

4-Company Fast Optimization

YEAR	2035	2036	2037	2038	2039	2040	REFLUENT THERMAL UNIT									
							3	8	9	10	11	12	13	14		
							CO2 (G)	CARD 1+2	CARD 3	CLIFTY 1	CLIFTY 2	CLIFTY 3	CLIFTY 4	CLIFTY 5		
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
YEAR 2011	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
YEAR 2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
YEAR 2013	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
YEAR 2014	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
YEAR 2015	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
YEAR 2016	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
YEAR 2017	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
YEAR 2018	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
YEAR 2019	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
YEAR 2020	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
YEAR 2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
YEAR 2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
YEAR 2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
YEAR 2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
YEAR 2025	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
YEAR 2026	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
YEAR 2027	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
YEAR 2028	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
YEAR 2029	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
YEAR 2030	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
YEAR 2031	---	---	---	---	---	---	---	---	---	---	---	---	---	---		

NOTE: DATA DISPLAYED AFTER 2011 ONLY, IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	3 CO2 (G)	8 CARD 1+2	9 CARD 3	10 CLIFFY 1	11 CLIFFY 2	12 CLIFFY 3	13 CLIFFY 4	14 CLIFFY 5
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EFFLUENT THERMAL UNIT	3 CO2 (G)	15 CLIFFY 6	16 CLINCH R 1	17 CLINCH R 2	18 CLINCH R 3	19 ROCKP_KP_1	20 ROCKP_KP_2	21 CSVL 1-4 3
YEAR 2011								
EMISSIONS DATA AT MAXIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE		0	0	0	0	0	0	0
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EFFLUENT THERMAL UNIT	3 CO2 (G)	22 CSVL 1-4 4	23 CSVL 5+6 5	24 CSVL 5+6 6	25 D C COOK 1	26 D C COOK 2	27 GAVIN 1	28 GAVIN 2
YEAR 2011								
EMISSIONS DATA AT MAXIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

4-Company East Optimization

EMISSIONS DATA PROFILE					
----- YEAR 2012 -----	0	0	0	0	0
----- YEAR 2013 -----					
----- YEAR 2014 -----					
----- YEAR 2015 -----					
----- YEAR 2016 -----					
----- YEAR 2017 -----					
----- YEAR 2018 -----					
----- YEAR 2019 -----					
----- YEAR 2020 -----					
----- YEAR 2021 -----					
----- YEAR 2022 -----					
----- YEAR 2023 -----					
----- YEAR 2024 -----					
----- YEAR 2025 -----					
----- YEAR 2026 -----					
----- YEAR 2027 -----					
----- YEAR 2028 -----					
----- YEAR 2029 -----					
----- YEAR 2030 -----					
----- YEAR 2031 -----					
----- YEAR 2032 -----					
----- YEAR 2033 -----					
----- YEAR 2034 -----					
----- YEAR 2035 -----					
----- YEAR 2036 -----					
----- YEAR 2037 -----					
----- YEAR 2038 -----					
----- YEAR 2039 -----					
----- YEAR 2040 -----					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	3 CO2 (G)							
	29 GLEN LYN 5	30 GLEN LYN 6	33 KAWMER 1	34 KAWMER 2	35 KAWMER 3	36 KANAWHA 1	37 KANAWHA 2	
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
EFFLUENT THERMAL UNIT	3 CO2 (G)							
	38 KYGER 1	39 KYGER 2	40 KYGER 3	41 KYGER 4	42 KYGER 5	43 MITCHELL 1	44 MITCHELL 2	
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								

----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

EFFLUENT
 THERMAL UNIT

3 CO2 (G)

	45	46	47	48	49	50	51
	MOUNT_ER	MUSK RVR	MUSK RVR	MUSK RVR	MUSK RVR	MUSK RVR	P SPORN
	1	1	2	3	4	5	1
----- YEAR 2011 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0	0
EMISSIONS DATA PROFILE							
----- YEAR 2012 -----							
----- YEAR 2013 -----							
----- YEAR 2014 -----							
----- YEAR 2015 -----							
----- YEAR 2016 -----							
----- YEAR 2017 -----							
----- YEAR 2018 -----							
----- YEAR 2019 -----							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL_UNIT.

REFUELVNT	3 CO2 (G)	45	46	47	48	49	50	51
THERMAL UNIT	MOUNT_ER	MUSK_RVR	MUSK_RVR	MUSK_RVR	MUSK_RVR	MUSK_RVR	MUSK_RVR	P_SPOBN
YEAR 2020	1							
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EFFLUENT	3 CO2 (G)	52	53	54	55	56	57	58
THERMAL UNIT	P_SPOBN	P_SPOBN	P_SPOBN	P_SPOBN	P_SPOBN	PICMAY	RRRET_IM	RRRUN_IM
YEAR 2011	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMTSIONS DATA AT MAXIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMTSIONS DATA AT MINIMUM		0	0	0	0	0	0	0
EMTSIONS DATA PROFILE								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								

YEAR 2032

4-Company East Optimization

YEAR	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	
EMISSIONS DATA AT MAXIMUM																				
EMISSIONS DATA AT MINIMUM																				
EMISSIONS DATA PROFILE																				
YEAR 2011	59	61	62	63	64	65	66													
YEAR 2012	ROCKE_IM 2	STUART 1	STUART 2	STUART 3	STUART 4	AMOS_AP 3	TANN 1-3 1													
YEAR 2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00													
YEAR 2014	0.00	0.00	0.00	0.00	0.00	0.00	0.00													
YEAR 2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00													
YEAR 2016	0.00	0.00	0.00	0.00	0.00	0.00	0.00													
YEAR 2017	0.00	0.00	0.00	0.00	0.00	0.00	0.00													
YEAR 2018	0.00	0.00	0.00	0.00	0.00	0.00	0.00													
YEAR 2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00													
YEAR 2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00													
YEAR 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00													
YEAR 2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00													
YEAR 2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00													
YEAR 2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00													
YEAR 2025	0.00	0.00	0.00	0.00	0.00	0.00	0.00													
YEAR 2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00													
YEAR 2027	0.00	0.00	0.00	0.00	0.00	0.00	0.00													
YEAR 2028	0.00	0.00	0.00	0.00	0.00	0.00	0.00													
YEAR 2029	0.00	0.00	0.00	0.00	0.00	0.00	0.00													

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

REFUELER THERMAL UNIT	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
	3 CO2 (G)	59	61	62	63	64	65	66			
	ROCKP_IM 2	STUART 1	STUART 2	STUART 3	STUART 4	AMOS_AP 3	TANN 1-3 1				

REFUELER THERMAL UNIT	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	
	3 CO2 (G)	67	68	69	70	71	72	73													
	TANN 1-3 2	TANN 1-3 3	TANN 4 4	ZIMMER 1	ROBTMONE 1	ROBTMONE 1	ROBTMONE 2	ROBTMONE 3													
	EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	118.85	118.85	118.85													
	EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	118.85	118.85	118.85													
	EMISSIONS DATA PROFILE	0	0	0	0	0	0	0													

REFUELER THERMAL UNIT	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	
	3 CO2 (G)	75	76	77	78	79	80	81													
	CEREDO 1	CEREDO 2	CEREDO 3	CEREDO 4	CEREDO 5	CEREDO 6	DARBY 1														

4-Company East Optimization

YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	
EMISSIONS DATA AT MAXIMUM	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85
EMISSIONS DATA AT MINIMUM	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85	118.85
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	YEAR 2040	3 CO2 (G)	75	76	77	78	79	80	81	
		CEREDO 1	CEREDO 2	CEREDO 3	CEREDO 4	CEREDO 5	CEREDO 6	DARBY 1		
EFFLUENT THERMAL UNIT	YEAR 2040	3 CO2 (G)	82	83	84	85	86	87	88	
		DARBY 2	DARBY 3	DARBY 4	DARBY 5	DARBY 6	IMBG WIN 1	IMBG WIN 2		
EMISSIONS DATA AT MAXIMUM										
	YEAR 2011		118.85	118.85	118.85	118.85	118.85	118.85	118.85	
EMISSIONS DATA AT MINIMUM										
	YEAR 2011		118.85	118.85	118.85	118.85	118.85	118.85	118.85	
EMISSIONS DATA PROFILE										
	YEAR 2012		0	0	0	0	0	0	0	
	YEAR 2013									
	YEAR 2014									
	YEAR 2015									
	YEAR 2016									
	YEAR 2017									
	YEAR 2018									
	YEAR 2019									
	YEAR 2020									
	YEAR 2021									
	YEAR 2022									
	YEAR 2023									
	YEAR 2024									
	YEAR 2025									
	YEAR 2026									
	YEAR 2027									
	YEAR 2028									
	YEAR 2029									
	YEAR 2030									
	YEAR 2031									
	YEAR 2032									
	YEAR 2033									
	YEAR 2034									
	YEAR 2035									
	YEAR 2036									
	YEAR 2037									
	YEAR 2038									
	YEAR 2039									
	YEAR 2040									

EFFLUENT THERMAL UNIT	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018
	3 CO2 (G)	89	90	91	92	93	94	101
	IMBG SMR 1	116.00	116.00	118.85	116.00	116.00	116.00	0.00
	IMBG SMR 2	116.00	116.00	118.85	116.00	116.00	116.00	0.00
	WATR CC 1	0	0	0	0	0	0	0
	WATR2 1	0	0	0	0	0	0	0
	DRESSDEN 1	0	0	0	0	0	0	0
	DRESSD2 1	0	0	0	0	0	0	0
	NUCLEAR 1	0	0	0	0	0	0	0

----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

EFFLUENT THERMAL UNIT	3 CO2 (G)	102	103	104	105	106	107	108
	UPC_NCCS	PC_UH_SU	UPC_RCCS	IGC_NCCS	IGCC GE	IGC_RCCS	CC 2X1FB	
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	116.00	
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	116.00	
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

REFUELER
THERMAL UNIT

3 CO2 (G)	102	103	104	105	106	107	108
UFC_NCCS	PC_UF_SU	UFC_RCCS	IGC_NCCS	IGCC_GE	IGC_RCCS	CC_2X1FB	
1	1	1	1	1	1	1	1

----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

REFUELER
THERMAL UNIT

3 CO2 (G)	109	110	111	114	115	124	125
CC_2X1FA	CC_1X17H	BS2_CC	CT_GETFA	CT_GETFA	BS2_FGD	BS1_FGD	
1	1	1	1	1	1	1	1

----- YEAR 2011 -----
 EMISSIONS DATA AT MAXIMUM
 EMISSIONS DATA AT MINIMUM
 EMISSIONS DATA PROFILE

116.00	116.00	116.00	116.00	116.00	116.00	0.00	0.00
116.00	116.00	116.00	116.00	116.00	0.00	0.00	0.00
0	0	0	0	0	0	0	0

----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----

YEAR	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
EMISSIONS DATA AT MAXIMUM												
EMISSIONS DATA AT MINIMUM												
EMISSIONS DATA PROFILE												
YEAR 2011	0.00	0.00	116.00	116.00	116.00	116.00	0.00	0.00				
YEAR 2012	0.00	0.00	116.00	116.00	116.00	116.00	0.00	0.00				
YEAR 2013												
YEAR 2014												
YEAR 2015												
YEAR 2016												
YEAR 2017												
YEAR 2018												
YEAR 2019												
YEAR 2020												
YEAR 2021												
YEAR 2022												
YEAR 2023												
YEAR 2024												
YEAR 2025												

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT
THERMAL UNIT

YEAR 2026	3 CO2 (G)	126	127	129	130	131	132	133
YEAR 2027	CSV5_SCR 5	CSV6_SCR 6	CR1_NGCC 1	CR2_NGCC 2	MRS_NGCC 5	MRS_FGD 5	RP1D_IM 1	

YEAR 2026
YEAR 2027
YEAR 2028
YEAR 2029
YEAR 2030
YEAR 2031
YEAR 2032
YEAR 2033
YEAR 2034
YEAR 2035
YEAR 2036
YEAR 2037
YEAR 2038
YEAR 2039
YEAR 2040

EFFLUENT
THERMAL UNIT

3 CO2 (G)	134	135	136	137	144	145	146
RP2D_IM 2	TAN4_FGD 4	RP1D_KP 1	RP2D_KP 2	TC4_ESP 4	A390& AP 3	A390&OP 3	

EMISSIONS DATA AT MAXIMUM
EMISSIONS DATA AT MINIMUM
EMISSIONS DATA PROFILE

YEAR 2011
YEAR 2012
YEAR 2013
YEAR 2014
YEAR 2015
YEAR 2016
YEAR 2017
YEAR 2018
YEAR 2019
YEAR 2020
YEAR 2021
YEAR 2022
YEAR 2023
YEAR 2024
YEAR 2025
YEAR 2026
YEAR 2027
YEAR 2028
YEAR 2029
YEAR 2030
YEAR 2031
YEAR 2032
YEAR 2033
YEAR 2034
YEAR 2035
YEAR 2036
YEAR 2037
YEAR 2038

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0	0	0	0	0

4-Company East Optimization

YEAR 2039	YEAR 2040	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035
REFLUENT THERMAL UNIT																										
		3 CO2 (G)																								
		147	148	149	150	151	153	154																		
		MTN_90%	RPT1_90%	RPT2_90%	GVL_90%	GV2_90%	MTM_18%	CC_FA_KP																		
EMISSIONS DATA AT MAXIMUM		0.00	0.00	0.00	0.00	0.00	0.00	116.00																		
EMISSIONS DATA AT MINIMUM		0.00	0.00	0.00	0.00	0.00	0.00	116.00																		
EMISSIONS DATA PROFILE		0	0	0	0	0	0	0																		

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT		3 CO2 (G)									
YEAR 2036		147	148	149	150	151	153	154			
YEAR 2037											
YEAR 2038											
YEAR 2039											
YEAR 2040											

EFFLUENT THERMAL UNIT		3 CO2 (G)									
YEAR 2011		155	156	157	158	159	160	161			
YEAR 2012											
YEAR 2013											
YEAR 2014											
YEAR 2015											
YEAR 2016											
YEAR 2017											
YEAR 2018											
YEAR 2019											
YEAR 2020											
YEAR 2021											
YEAR 2022											
YEAR 2023											
YEAR 2024											
YEAR 2025											
YEAR 2026											
YEAR 2027											
YEAR 2028											
YEAR 2029											
YEAR 2030											
YEAR 2031											
YEAR 2032											
YEAR 2033											
YEAR 2034											
YEAR 2035											
YEAR 2036											
YEAR 2037											
YEAR 2038											
YEAR 2039											
YEAR 2040											

EFFLUENT THERMAL UNIT		3 CO2 (G)									
YEAR 2011		162	163	164	165	166	168	169			
YEAR 2012											
YEAR 2013											
YEAR 2014											

EMISSIONS DATA AT MAXIMUM
EMISSIONS DATA AT MINIMUM
EMISSIONS DATA PROFILE

116.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
116.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0 0 0 0 0 0 0 0 0

----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

REPLENISHMENT THERMAL UNIT	3 CO2 (G)	NUKE_AP	IGCC IM	PC_UL_IM	NUKE_IM	IGCC KP	PC_UL_KP	NUKE_KP
----- YEAR 2011 -----	170	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM		0	0	0	0	0	0	0
EMISSIONS DATA PROFILE								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT
THERMAL UNIT

YEAR	170	171	172	173	174	175	176
YEAR 2012	170	171	172	173	174	175	176
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

EFFLUENT
THERMAL UNIT

YEAR	177	178	179	181	182	183	184
YEAR 2011	177	178	179	181	182	183	184
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							

EMISSIONS DATA AT MAXIMUM
EMISSIONS DATA AT MINIMUM
EMISSIONS DATA PROFILE

YEAR 2011
YEAR 2012
YEAR 2013
YEAR 2014
YEAR 2015
YEAR 2016
YEAR 2017
YEAR 2018
YEAR 2019
YEAR 2020
YEAR 2021
YEAR 2022
YEAR 2023
YEAR 2024

----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

EFFLUENT
 THERMAL UNIT

3 CO2 (G)

	186	187	188	189	190	191	201
	RP1TR_1M	RP2TR_1M	RP1TR_KP	RP2TR_KP	T4_TROMA	T4_TRCCR	
	1	2	1	2	4	4	0
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0

----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT
THERMAL UNIT

YEAR	3 CO2 (G)	186	187	188	189	190	191	201
	RP1TR_IM	RP2TR_IM	RP1TR_KP	RP2TR_KP	T4_TFRONA	T4_TRCCR		
YEAR 2022	1	2	1	2	4	4		0
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EFFLUENT
THERMAL UNIT

YEAR	3 CO2 (G)	223	224	228	229	230	231	232
	MR_STKR1	MR_STKR2	AMS3_SI	BS2_SI	MR5_CF	MR5_SI	RPT1_CF	
YEAR 2011	1	1	3	2	5	5	1	1
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EMISSIONS DATA AT MAXIMUM
EMISSIONS DATA AT MINIMUM
EMISSIONS DATA PROFILE

YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012	0	0	0	0	0	0	0	0
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								

YEAR	2035	2036	2037	2038	2039	2040
EFFLUENT						
THRMAL UNIT						
	3 CO2 (G)					
EMISSIONS DATA AT MAXIMUM	RPT2_233	RPT1_234	RPT2_235	DC1_HPT	DC1_IS	DC1_EFP
EMISSIONS DATA AT MINIMUM	CF 2	SI 1	SI 2	HPT 1	IS 1	EFP 1
EMISSIONS DATA PROFILE						
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2013	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2014	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2015	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2016	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2017	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2018	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2019	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2020	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2021	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2022	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2023	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2024	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2025	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2026	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2027	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2028	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2029	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2030	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2031	0.00	0.00	0.00	0.00	0.00	0.00

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

EPFLUENT THERMAL UNIT	3 CO2 (G)	233 RPF2_CF 2	234 RPF1_SI 1	235 RPF2_SI 2	251 DC1_HPF 1	252 DC1_TS 1	253 DC1_PFF 1	254 DC1_I17 1
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EPFLUENT THERMAL UNIT	3 CO2 (G)	255 DC1_3800 1	257 DC2_HPF 2	258 DC2_PFF 2	259 DC2_SPU 2	260 DC2_3800 2	269 BISPD_15 1	270 BISPD_GP 1
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EPFLUENT THERMAL UNIT	3 CO2 (G)	271 CLN_O_HM 1	272 CLN_O_15 1	273 CLN_O_HM 2	274 CLN_O_15 2	275 CLN_O_HM 3	276 CLN_O_15 3	277 CVL_3_HM 3
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

4-Company East Optimization

EMISSIONS DATA PROFILE						
----- YEAR 2012 -----	0	0	0	0	0	0
----- YEAR 2013 -----						
----- YEAR 2014 -----						
----- YEAR 2015 -----						
----- YEAR 2016 -----						
----- YEAR 2017 -----						
----- YEAR 2018 -----						
----- YEAR 2019 -----						
----- YEAR 2020 -----						
----- YEAR 2021 -----						
----- YEAR 2022 -----						
----- YEAR 2023 -----						
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----- YEAR 2025 -----						
----- YEAR 2026 -----						
----- YEAR 2027 -----						
----- YEAR 2028 -----						
----- YEAR 2029 -----						
----- YEAR 2030 -----						
----- YEAR 2031 -----						
----- YEAR 2032 -----						
----- YEAR 2033 -----						
----- YEAR 2034 -----						
----- YEAR 2035 -----						
----- YEAR 2036 -----						
----- YEAR 2037 -----						
----- YEAR 2038 -----						
----- YEAR 2039 -----						
----- YEAR 2040 -----						

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	3 CO2 (G)	278 CWL_3_10 3	279 GLN_5_HM 5	280 GLN_5_15 5	281 GLN_6_HM 6	282 GLN_6_15 6	283 KWR_F_HM 1	284 KWR_F_GP 1
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
EFFLUENT THERMAL UNIT	3 CO2 (G)	285 KWR_F_HM 2	286 KWR_F_GP 2	287 KWR_F_HM 3	288 KWR_F_GP 3	289 KWA_1_HM 1	290 KWA_1_15 1	291 KWA_2_HM 2
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								

----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

EFFLUENT
 THERMAL UNIT

	3 CO2 (G)	292	293	294	295	296	297	298
	RWA_2_15	MSKR1_HM	MSKR1_12	MSKR2_HM	MSKR2_12	MSKR3_GP	MR3HM_12	
	2	1	1	2	2	3	3	
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

EFFLUENT
THERMAL UNIT

3 CO2 (G)	292	293	294	295	296	297	298
KMA_2_15_2	MSKR1_HM_1	MSKR1_12_1	MSKR2_HM_2	MSKR2_12_2	MSKR3_GP_3	MR3HM_12_3	

----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

EFFLUENT
THERMAL UNIT

3 CO2 (G)	299	300	301	302	303	304	305
MSKR4_GP_4	M4HM_12_4	PICWY_HM_5	PICWY_GP_5	SPL_F_HM_1	SPL_F_15_1	SP2_F_HM_2	

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----

EMISSIONS DATA AT MAXIMUM
 EMISSIONS DATA AT MINIMUM
 EMISSIONS DATA PROFILE

YEAR	2033	2034	2035	2036	2037	2038	2039	2040
YEAR 2033	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2034	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2035	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2036	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2037	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2038	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2039	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2040	-----	-----	-----	-----	-----	-----	-----	-----
EFFLUENT								
THERMAL UNIT								
	3	CO2 (G)						
EMISSIONS DATA AT MAXIMUM	306		307	308	309	310	311	312
EMISSIONS DATA AT MINIMUM	SP2_F_15	2	SP3_Q_HM	SP3_Q_15	SP4_Q_HM	SP4_Q_15	SP5_HM	SP9_15
EMISSIONS DATA PROFILE								
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2013	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2014	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2015	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2016	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2017	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2018	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2019	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2020	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2021	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2022	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2023	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2024	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2025	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2026	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2027	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2028	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2029	-----	-----	-----	-----	-----	-----	-----	-----

NOTE: DATA DISPLAYED ABOVE 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	3 CO2 (G)													
	SP2_F_15 306	SP3_Q_HM 307	SP3_Q_15 308	SP4_Q_HM 309	SP4_Q_15 310	SP5_HM 311	SP5_15 312	TNR_F_HM 313	TNR_F_15 314	TNR_F_HM 315	TNR_F_15 316	TNR_F_HM 317	TNR_F_15 318	EM_GP_15 319
YEAR 2030														
YEAR 2031														
YEAR 2032														
YEAR 2033														
YEAR 2034														
YEAR 2035														
YEAR 2036														
YEAR 2037														
YEAR 2038														
YEAR 2039														
YEAR 2040														

EFFLUENT THERMAL UNIT	3 CO2 (G)													
	SP2_F_15 306	SP3_Q_HM 307	SP3_Q_15 308	SP4_Q_HM 309	SP4_Q_15 310	SP5_HM 311	SP5_15 312	TNR_F_HM 313	TNR_F_15 314	TNR_F_HM 315	TNR_F_15 316	TNR_F_HM 317	TNR_F_15 318	EM_GP_15 319
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														
YEAR 2018														
YEAR 2019														
YEAR 2020														
YEAR 2021														
YEAR 2022														
YEAR 2023														
YEAR 2024														
YEAR 2025														
YEAR 2026														
YEAR 2027														
YEAR 2028														
YEAR 2029														
YEAR 2030														
YEAR 2031														
YEAR 2032														
YEAR 2033														
YEAR 2034														
YEAR 2035														
YEAR 2036														
YEAR 2037														
YEAR 2038														
YEAR 2039														
YEAR 2040														

EFFLUENT THERMAL UNIT	3 CO2 (G)									
	RH115 1	364	DOWNT_OP 0	DOWNT_TA 0	DOWNT_AP 0	DOWNT_RP 0	CC_KPCD 958			
YEAR 2011	320	364	500	501	502	503	958			
YEAR 2012	1	0	0	0	0	0	958			
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	3 CO2 (G)	959	960	961	962	963	964	965
YEAR 2040	320	364	500	501	502	503	958	
	RHills_1	DUMMY_OP	DUMMY_IM	DUMMY_AP	DUMMY_KP	CC_KPCO		
	1	0	0	0	0	0	958	
EFFLUENT THERMAL UNIT	3 CO2 (G)	959	960	961	962	963	964	965
	RP2D_KP	RP2D_IM	CSV6_SCR	CSV5_SCR	DUMMY_OP	DUMMY_OP	RPID_03	
	_959	_960	_961	_962	_963	_964	_965	
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EFFLUENT THERMAL UNIT	3 CO2 (G)	966	967	968	969	970	971	972
	RPID_KP	BS2_FGD	CR2_NGCC	CRI_NGCC	MRS_NGCC	DUMMY_OP	DUMMY_OP	
	_966	_967	_968	_969	_970	_971	_972	
EMISSIONS DATA AT MAXIMUM	0.00	0.00	116.00	116.00	116.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.00	116.00	116.00	116.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								

-----	YEAR 2019	-----
-----	YEAR 2020	-----
-----	YEAR 2021	-----
-----	YEAR 2022	-----
-----	YEAR 2023	-----
-----	YEAR 2024	-----
-----	YEAR 2025	-----
-----	YEAR 2026	-----
-----	YEAR 2027	-----
-----	YEAR 2028	-----
-----	YEAR 2029	-----
-----	YEAR 2030	-----
-----	YEAR 2031	-----
-----	YEAR 2032	-----
-----	YEAR 2033	-----
-----	YEAR 2034	-----
-----	YEAR 2035	-----
-----	YEAR 2036	-----
-----	YEAR 2037	-----
-----	YEAR 2038	-----
-----	YEAR 2039	-----
-----	YEAR 2040	-----

EFFICIENT THERMAL UNIT	3 CO2 (G)	973 DUMMY_OP 973	974 DUMMY_OP 974	975 DUMMY_OP 975	976 DUMMY_OP 976	977 DUMMY_OP 977	978 DUMMY_OP 978	979 DUMMY_OP 979
-----	YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-----	EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-----	EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-----	EMISSIONS DATA PROFILE	0	0	0	0	0	0	0
-----	YEAR 2012							
-----	YEAR 2013							
-----	YEAR 2014							
-----	YEAR 2015							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT
THERMAL UNIT

3 CO2 (G)		973	974	975	976	977	978	979
DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
973	974	975	976	977	978	979		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0	0	0	0	0	0

YEAR 2016	-----
YEAR 2017	-----
YEAR 2018	-----
YEAR 2019	-----
YEAR 2020	-----
YEAR 2021	-----
YEAR 2022	-----
YEAR 2023	-----
YEAR 2024	-----
YEAR 2025	-----
YEAR 2026	-----
YEAR 2027	-----
YEAR 2028	-----
YEAR 2029	-----
YEAR 2030	-----
YEAR 2031	-----
YEAR 2032	-----
YEAR 2033	-----
YEAR 2034	-----
YEAR 2035	-----
YEAR 2036	-----
YEAR 2037	-----
YEAR 2038	-----
YEAR 2039	-----
YEAR 2040	-----

EFFLUENT
THERMAL UNIT

3 CO2 (G)		980	981	982	983	984	985	986
DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
980	981	982	983	984	985	986		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0	0	0	0	0	0

EMISSIONS DATA AT MAXIMUM
EMISSIONS DATA AT MINIMUM
EMISSIONS DATA PROFILE

YEAR 2011	-----
YEAR 2012	-----
YEAR 2013	-----
YEAR 2014	-----
YEAR 2015	-----
YEAR 2016	-----
YEAR 2017	-----
YEAR 2018	-----
YEAR 2019	-----
YEAR 2020	-----
YEAR 2021	-----
YEAR 2022	-----
YEAR 2023	-----
YEAR 2024	-----
YEAR 2025	-----
YEAR 2026	-----
YEAR 2027	-----
YEAR 2028	-----

YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
REFUELER											
THERMAL UNIT											
3 CO2 (G)											
987	987	988	989	990	991	992	993				
DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP				
987	987	988	989	990	991	992	993				
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
0	0	0	0	0	0	0	0				
YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022
YEAR 2023	YEAR 2024	YEAR 2025									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT
THERMAL UNIT

YEAR	3 CO2 (G)	987	988	989	990	991	992	993
YEAR 2026		DUMMY_OP_987	DUMMY_OP_988	DUMMY_OP_989	DUMMY_OP_990	DUMMY_OP_991	DUMMY_OP_992	DUMMY_OP_993
YEAR 2027		987	988	989	990	991	992	993
YEAR 2028		0	0	0	0	0	0	0
YEAR 2029		0	0	0	0	0	0	0
YEAR 2030		0	0	0	0	0	0	0
YEAR 2031		0	0	0	0	0	0	0
YEAR 2032		0	0	0	0	0	0	0
YEAR 2033		0	0	0	0	0	0	0
YEAR 2034		0	0	0	0	0	0	0
YEAR 2035		0	0	0	0	0	0	0
YEAR 2036		0	0	0	0	0	0	0
YEAR 2037		0	0	0	0	0	0	0
YEAR 2038		0	0	0	0	0	0	0
YEAR 2039		0	0	0	0	0	0	0
YEAR 2040		0	0	0	0	0	0	0

EFFLUENT
THERMAL UNIT

YEAR	3 CO2 (G)	994	995	996	997	998	999
YEAR 2011		DUMMY_OP_994	DUMMY_OP_995	T4_TROVA_996	RP2TR_KP_997	RP2TR_TM_998	DUMMY_OP_999
YEAR 2012		994	995	996	997	998	999
YEAR 2013		0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2014		0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2015		0	0	0	0	0	0
YEAR 2016		0	0	0	0	0	0
YEAR 2017		0	0	0	0	0	0
YEAR 2018		0	0	0	0	0	0
YEAR 2019		0	0	0	0	0	0
YEAR 2020		0	0	0	0	0	0
YEAR 2021		0	0	0	0	0	0
YEAR 2022		0	0	0	0	0	0
YEAR 2023		0	0	0	0	0	0
YEAR 2024		0	0	0	0	0	0
YEAR 2025		0	0	0	0	0	0
YEAR 2026		0	0	0	0	0	0
YEAR 2027		0	0	0	0	0	0
YEAR 2028		0	0	0	0	0	0
YEAR 2029		0	0	0	0	0	0
YEAR 2030		0	0	0	0	0	0
YEAR 2031		0	0	0	0	0	0
YEAR 2032		0	0	0	0	0	0
YEAR 2033		0	0	0	0	0	0
YEAR 2034		0	0	0	0	0	0
YEAR 2035		0	0	0	0	0	0
YEAR 2036		0	0	0	0	0	0
YEAR 2037		0	0	0	0	0	0
YEAR 2038		0	0	0	0	0	0
YEAR 2039		0	0	0	0	0	0
YEAR 2040		0	0	0	0	0	0

EMISSIONS DATA AT MAXIMUM
EMISSIONS DATA AT MINIMUM
EMISSIONS DATA PROFILE

YEAR 2011	
YEAR 2012	
YEAR 2013	
YEAR 2014	
YEAR 2015	
YEAR 2016	
YEAR 2017	
YEAR 2018	
YEAR 2019	
YEAR 2020	
YEAR 2021	
YEAR 2022	
YEAR 2023	
YEAR 2024	
YEAR 2025	
YEAR 2026	
YEAR 2027	
YEAR 2028	
YEAR 2029	
YEAR 2030	
YEAR 2031	
YEAR 2032	
YEAR 2033	
YEAR 2034	
YEAR 2035	
YEAR 2036	
YEAR 2037	
YEAR 2038	

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT
THERMAL UNIT

4 NOX (B)	1	2	3	4	5	6	7
AMOS	AMOS	AMOS_OP	BECKJORD	BIG SAND	BIG SAND	CARD 1+2	
YEAR 2027	1	2	3	4	5	6	7
YEAR 2028	1	2	3	4	5	6	7
YEAR 2029	1	2	3	4	5	6	7
YEAR 2030	1	2	3	4	5	6	7
YEAR 2031	1	2	3	4	5	6	7
YEAR 2032	1	2	3	4	5	6	7
YEAR 2033	1	2	3	4	5	6	7
YEAR 2034	1	2	3	4	5	6	7
YEAR 2035	1	2	3	4	5	6	7
YEAR 2036	1	2	3	4	5	6	7
YEAR 2037	1	2	3	4	5	6	7
YEAR 2038	1	2	3	4	5	6	7
YEAR 2039	1	2	3	4	5	6	7
YEAR 2040	1	2	3	4	5	6	7

4 NOX (B)

CARD 1+2	8	9	10	11	12	13	14
	CARD 3	CLIFFY 1	CLIFFY 2	CLIFFY 3	CLIFFY 4	CLIFFY 5	
YEAR 2011	8	9	10	11	12	13	14
YEAR 2012	8	9	10	11	12	13	14
YEAR 2013	8	9	10	11	12	13	14
YEAR 2014	8	9	10	11	12	13	14
YEAR 2015	8	9	10	11	12	13	14
YEAR 2016	8	9	10	11	12	13	14
YEAR 2017	8	9	10	11	12	13	14
YEAR 2018	8	9	10	11	12	13	14
YEAR 2019	8	9	10	11	12	13	14
YEAR 2020	8	9	10	11	12	13	14
YEAR 2021	8	9	10	11	12	13	14
YEAR 2022	8	9	10	11	12	13	14
YEAR 2023	8	9	10	11	12	13	14
YEAR 2024	8	9	10	11	12	13	14
YEAR 2025	8	9	10	11	12	13	14
YEAR 2026	8	9	10	11	12	13	14
YEAR 2027	8	9	10	11	12	13	14
YEAR 2028	8	9	10	11	12	13	14
YEAR 2029	8	9	10	11	12	13	14
YEAR 2030	8	9	10	11	12	13	14
YEAR 2031	8	9	10	11	12	13	14
YEAR 2032	8	9	10	11	12	13	14
YEAR 2033	8	9	10	11	12	13	14
YEAR 2034	8	9	10	11	12	13	14
YEAR 2035	8	9	10	11	12	13	14
YEAR 2036	8	9	10	11	12	13	14
YEAR 2037	8	9	10	11	12	13	14
YEAR 2038	8	9	10	11	12	13	14
YEAR 2039	8	9	10	11	12	13	14
YEAR 2040	8	9	10	11	12	13	14

EMISSIONS DATA AT MAXIMUM
EMISSIONS DATA AT MINIMUM
EMISSIONS DATA PROFILE

YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM	0.49	0.52	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0.49	0.51	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE	9	52	0	0	0	0	0
YEAR 2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2013	0.49	0.51	0.00	0.00	0.00	0.00	0.00
YEAR 2014	0.49	0.52	0.00	0.00	0.00	0.00	0.00
YEAR 2015	0.49	0.52	0.00	0.00	0.00	0.00	0.00
YEAR 2016	0.49	0.52	0.00	0.00	0.00	0.00	0.00
YEAR 2017	0.49	0.52	0.00	0.00	0.00	0.00	0.00
YEAR 2018	0.49	0.52	0.00	0.00	0.00	0.00	0.00
YEAR 2019	0.49	0.52	0.00	0.00	0.00	0.00	0.00
YEAR 2020	0.49	0.52	0.00	0.00	0.00	0.00	0.00
YEAR 2021	0.49	0.52	0.00	0.00	0.00	0.00	0.00
YEAR 2022	0.49	0.52	0.00	0.00	0.00	0.00	0.00
YEAR 2023	0.49	0.52	0.00	0.00	0.00	0.00	0.00
YEAR 2024	0.49	0.52	0.00	0.00	0.00	0.00	0.00
YEAR 2025	0.49	0.52	0.00	0.00	0.00	0.00	0.00
YEAR 2026	0.49	0.52	0.00	0.00	0.00	0.00	0.00
YEAR 2027	0.49	0.52	0.00	0.00	0.00	0.00	0.00
YEAR 2028	0.49	0.52	0.00	0.00	0.00	0.00	0.00
YEAR 2029	0.49	0.52	0.00	0.00	0.00	0.00	0.00
YEAR 2030	0.49	0.52	0.00	0.00	0.00	0.00	0.00
YEAR 2031	0.49	0.52	0.00	0.00	0.00	0.00	0.00
YEAR 2032	0.49	0.52	0.00	0.00	0.00	0.00	0.00
YEAR 2033	0.49	0.52	0.00	0.00	0.00	0.00	0.00
YEAR 2034	0.49	0.52	0.00	0.00	0.00	0.00	0.00
YEAR 2035	0.49	0.52	0.00	0.00	0.00	0.00	0.00
YEAR 2036	0.49	0.52	0.00	0.00	0.00	0.00	0.00
YEAR 2037	0.49	0.52	0.00	0.00	0.00	0.00	0.00
YEAR 2038	0.49	0.52	0.00	0.00	0.00	0.00	0.00
YEAR 2039	0.49	0.52	0.00	0.00	0.00	0.00	0.00
YEAR 2040	0.49	0.52	0.00	0.00	0.00	0.00	0.00

4-Company East Optimization

YEAR 2039	YEAR 2040	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035
EFFLUENT THERMAL UNIT		4 NOX (B)	15	16	17	18	19	20	21																	
		CLIFTY 6	CLINCH R 1	CLINCH R 2	CLINCH R 3	ROCKP_KP 1	ROCKP_KP 2	CSVL 1-4 3																		
EMISSIONS DATA AT MAXIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																	
EMISSIONS DATA AT MINIMUM		0.00	1.99	2.01	1.96	1.84	1.84	4.10																		
EMISSIONS DATA PROFILE		0	11	12	13	45	46	14																		

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

REP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

REFUELER THERMAL UNIT	4 NOX (B)	15	16	17	18	19	20	21
YEAR 2036	CLIFTY 6	CLINCH R 1	CLINCH R 2	CLINCH R 3	ROCKP_KP 1	ROCKP_KP 2	CSVL 1-4 3	
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

REFUELER THERMAL UNIT	4 NOX (B)	22	23	24	25	26	27	28
YEAR 2011	CSVL 1-4 4	CSVL 5+6 5	CSVL 5+6 6	D C COOK 1	D C COOK 2	GAVIN 1	GAVIN 2	
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

REFUELER THERMAL UNIT	4 NOX (B)	29	30	33	34	35	36	37
YEAR 2011	GLEN LYN 5	GLEN LYN 6	KAWMER 1	KAWMER 2	KAWMER 3	KANAWHA 1	KANAWHA 2	
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM	6.71	3.95	4.82	4.85	4.66	2.14	2.09	
EMISSIONS DATA AT MINIMUM	20	21	22	23	24	25	26	
EMISSIONS DATA PROFILE								

----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

EFFLUENT THERMAL UNIT		4 NOX (B)							
		KYGER 38	KYGER 39	KYGER 40	KYGER 41	KYGER 42	MITCHELL 43	MITCHELL 44	
EMISSIONS DATA AT MAXIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA AT MINIMUM		0.00	0.00	0.00	0.00	0.00	0.51	0.47	
EMISSIONS DATA PROFILE		0	0	0	0	0	30	31	

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	4 NOX (B)	38	39	40	41	42	43	44
	KYGER 1	KYGER 2	KYGER 3	KYGER 4	KYGER 5	MITCHELL 1	MITCHELL 2	
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
EFFLUENT THERMAL UNIT	45	46	47	48	49	50	51	
	MOUNT_BR 1	MUSK_RVR 1	MUSK_RVR 2	MUSK_RVR 3	MUSK_RVR 4	MUSK_RVR 5	P_SPORN 1	
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM	0.70	5.80	4.60	5.38	3.51	0.57	2.79	
EMISSIONS DATA AT MINIMUM	33	34	35	36	37	38	39	
YEAR 2012								
YEAR 2013								
YEAR 2014								
EMISSIONS DATA PROFILE								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								

YEAR	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	2.67	2.67	2.81	2.87	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68
EMISSIONS DATA PROFILE	40	40	41	42	43	43	44	45	45	45	45	45	45	45	45	45
YEAR 2012	2.67	2.47	2.53	2.68	8.40	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84
EMISSIONS DATA AT MINIMUM	40	27	59	43	44	45	45	45	45	45	45	45	45	45	45	45
YEAR 2013																
YEAR 2014																
YEAR 2015																
YEAR 2016																
YEAR 2017																
YEAR 2018																
YEAR 2019																
YEAR 2020																

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	4 NOX (B) P SPORN 2	52 P SPORN 2	53 P SPORN 3	54 P SPORN 4	55 P SPORN 5	56 PICWAY 5	57 RPRRT_TM 1	58 RPRUN_TM 1
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
EFFLUENT THERMAL UNIT	4 NOX (B) ROCKP_IM 2	59 STUART 1	61 STUART 2	62 STUART 3	63 STUART 4	64 AMOS_AP 3	65 TANN 1-3	66 TANN 1-3
EMISSIONS DATA AT MAXIMUM	0.00	1.15	1.17	1.15	1.27	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	1.84	1.15	1.17	1.15	1.27	0.67	3.12	3.12
EMISSIONS DATA PROFILE	46	0	0	0	0	3	68	68
EMISSIONS DATA AT MINIMUM	1.84	1.15	1.17	1.15	1.27	0.67	2.39	2.39
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								

YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040	4 NOX (B)						
EFFLUENT THERMAL UNIT							TANN 1-3	TANN 1-3	TANN 4	ZIMMER	ROBTWONE	ROBTWONE	ROBTWONE
							67	68	69	70	71	72	73
							2	3	4	1	1	2	3
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	0.28	0.28	0.28
EMISSIONS DATA AT MINIMUM	3.06	3.00	2.70	2.07	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA PROFILE	69	70	51	0	0	0	0	0	0	0	0	0	0
YEAR 2012	0.00	0.00	0.00	0.00	0.28	0.28	0.27	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA AT MAXIMUM	2.34	2.73	2.70	2.07	0.28	0.28	0.27	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	2.07	0.28	0.28	0.27	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA PROFILE	2.34	2.73	2.70	2.07	0.28	0.28	0.27	0.28	0.28	0.28	0.28	0.28	0.28
YEAR 2013	0.00	0.00	0.00	0.00	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA AT MAXIMUM	2.34	2.73	2.70	2.07	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	2.07	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA PROFILE	2.34	2.73	2.70	2.07	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
YEAR 2014	0.00	0.00	0.00	0.00	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA AT MAXIMUM	2.34	2.73	2.70	2.07	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	2.07	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA PROFILE	2.34	2.73	2.70	2.07	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
YEAR 2015	0.00	0.00	0.00	0.00	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA AT MAXIMUM	2.34	2.73	2.70	2.07	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	2.07	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA PROFILE	2.34	2.73	2.70	2.07	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
YEAR 2016	0.00	0.00	0.00	0.00	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA AT MAXIMUM	2.34	2.73	2.70	2.07	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	2.07	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA PROFILE	2.34	2.73	2.70	2.07	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
YEAR 2017	0.00	0.00	0.00	0.00	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA AT MAXIMUM	2.34	2.73	2.70	2.07	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	2.07	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA PROFILE	2.34	2.73	2.70	2.07	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
YEAR 2018	0.00	0.00	0.00	0.00	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA AT MAXIMUM	2.34	2.73	2.70	2.07	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	2.07	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA PROFILE	2.34	2.73	2.70	2.07	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
YEAR 2019	0.00	0.00	0.00	0.00	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA AT MAXIMUM	2.34	2.73	2.70	2.07	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	2.07	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA PROFILE	2.34	2.73	2.70	2.07	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
YEAR 2020	0.00	0.00	0.00	0.00	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA AT MAXIMUM	2.34	2.73	2.70	2.07	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	2.07	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA PROFILE	2.34	2.73	2.70	2.07	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
YEAR 2021	0.00	0.00	0.00	0.00	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA AT MAXIMUM	2.34	2.73	2.70	2.07	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	2.07	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
EMISSIONS DATA PROFILE	2.34	2.73	2.70	2.07	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	4 NOX (B)										
	TANN 1-3 2	TANN 1-3 3	TANN 4 4	ZIMMER 1	ROBYNONE 1	ROBYNONE 1	ROBYNONE 2	ROBYNONE 2	DARBY 1	ROBYNONE 3	ROBYNONE 3
YEAR 2022	67	68	69	70	71	72	73				
YEAR 2023											
YEAR 2024											
YEAR 2025											
YEAR 2026											
YEAR 2027											
YEAR 2028											
YEAR 2029											
YEAR 2030											
YEAR 2031											
YEAR 2032											
YEAR 2033											
YEAR 2034											
YEAR 2035											
YEAR 2036											
YEAR 2037											
YEAR 2038											
YEAR 2039											
YEAR 2040											

EFFLUENT THERMAL UNIT	4 NOX (B)										
	CEREDO 1	CEREDO 2	CEREDO 3	CEREDO 4	CEREDO 5	CEREDO 6	DARBY 1	CEREDO 7	CEREDO 8	CEREDO 9	CEREDO 10
YEAR 2011	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
YEAR 2012	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
YEAR 2013	0	0	0	0	0	0	0	0	0	0	0
YEAR 2014											
YEAR 2015											
YEAR 2016											
YEAR 2017											
YEAR 2018											
YEAR 2019											
YEAR 2020											
YEAR 2021											
YEAR 2022											
YEAR 2023											
YEAR 2024											
YEAR 2025											
YEAR 2026											
YEAR 2027											
YEAR 2028											
YEAR 2029											
YEAR 2030											
YEAR 2031											
YEAR 2032											
YEAR 2033											
YEAR 2034											

EMISSIONS DATA AT MAXIMUM
EMISSIONS DATA AT MINIMUM
EMISSIONS DATA PROFILE

		4 NOX (B)							
EFFLUENT THERMAL UNIT		DARBY 2	DARBY 3	DARBY 4	DARBY 5	DARBY 6	LMBG WIN 1	LMBG WIN 2	
YEAR 2035	-----								
YEAR 2036	-----								
YEAR 2037	-----								
YEAR 2038	-----								
YEAR 2039	-----								
YEAR 2040	-----								
YEAR 2011	-----								
EMISSIONS DATA AT MAXIMUM		0.39	0.39	0.39	0.39	0.39	0.09	0.08	
EMISSIONS DATA AT MINIMUM		0.39	0.39	0.39	0.39	0.39	0.09	0.08	
EMISSIONS DATA PROFILE		0	0	0	0	0	0	0	
YEAR 2012	-----								
EMISSIONS DATA AT MAXIMUM		0.39	0.39	0.39	0.39	0.39	0.09	0.09	
EMISSIONS DATA AT MINIMUM		0.39	0.39	0.39	0.39	0.39	0.09	0.09	
YEAR 2013	-----								
EMISSIONS DATA AT MAXIMUM		0.39	0.39	0.39	0.39	0.39	0.09	0.08	
EMISSIONS DATA AT MINIMUM		0.39	0.39	0.39	0.39	0.39	0.09	0.08	
YEAR 2014	-----								
EMISSIONS DATA AT MAXIMUM		0.39	0.39	0.39	0.39	0.39	0.08	0.08	
EMISSIONS DATA AT MINIMUM		0.39	0.39	0.39	0.39	0.39	0.08	0.08	
YEAR 2015	-----								
EMISSIONS DATA AT MAXIMUM		0.39	0.39	0.39	0.39	0.39	0.08	0.08	
EMISSIONS DATA AT MINIMUM		0.39	0.39	0.39	0.39	0.39	0.08	0.08	
YEAR 2016	-----								
EMISSIONS DATA AT MAXIMUM		0.39	0.39	0.39	0.39	0.39	0.08	0.08	
EMISSIONS DATA AT MINIMUM		0.39	0.39	0.39	0.39	0.39	0.08	0.08	
YEAR 2017	-----								
EMISSIONS DATA AT MAXIMUM		0.39	0.39	0.39	0.39	0.39	0.08	0.08	
EMISSIONS DATA AT MINIMUM		0.39	0.39	0.39	0.39	0.39	0.08	0.08	
YEAR 2018	-----								
EMISSIONS DATA AT MAXIMUM		0.39	0.39	0.39	0.39	0.39	0.08	0.08	
EMISSIONS DATA AT MINIMUM		0.39	0.39	0.39	0.39	0.39	0.08	0.08	
YEAR 2019	-----								
EMISSIONS DATA AT MAXIMUM		0.39	0.39	0.39	0.39	0.39	0.08	0.08	
EMISSIONS DATA AT MINIMUM		0.39	0.39	0.39	0.39	0.39	0.08	0.08	
YEAR 2020	-----								
EMISSIONS DATA AT MAXIMUM		0.39	0.39	0.39	0.39	0.39	0.08	0.08	
EMISSIONS DATA AT MINIMUM		0.39	0.39	0.39	0.39	0.39	0.08	0.08	
YEAR 2021	-----								
EMISSIONS DATA AT MAXIMUM		0.39	0.39	0.39	0.39	0.39	0.08	0.08	
EMISSIONS DATA AT MINIMUM		0.39	0.39	0.39	0.39	0.39	0.08	0.08	
YEAR 2022	-----								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	4 NOX (B)		89		90		91		92		93		94		101	
	DARBY 2	DARBY 3	DARBY 4	DARBY 5	DARBY 6	IMBG WIN 1	IMBG WIN 2	DRESDEN 1	DRESD2 1	NUCLEAR 1						
YEAR 2023	0.08	0.08	0.08	0.08	0.13	0.08	0.08	0.08	0.08	0.00						
YEAR 2024	0.08	0.08	0.08	0.08	0.13	0.08	0.08	0.08	0.08	0.00						
YEAR 2025	0.08	0.08	0.08	0.08	0.13	0.08	0.08	0.08	0.08	0.00						
YEAR 2026	0.08	0.08	0.08	0.08	0.13	0.08	0.08	0.08	0.08	0.00						
YEAR 2027	0.08	0.08	0.08	0.08	0.13	0.08	0.08	0.08	0.08	0.00						
YEAR 2028	0.08	0.08	0.08	0.08	0.13	0.08	0.08	0.08	0.08	0.00						
YEAR 2029	0.08	0.08	0.08	0.08	0.13	0.08	0.08	0.08	0.08	0.00						
YEAR 2030	0.08	0.08	0.08	0.08	0.13	0.08	0.08	0.08	0.08	0.00						
YEAR 2031	0.08	0.08	0.08	0.08	0.13	0.08	0.08	0.08	0.08	0.00						
YEAR 2032	0.08	0.08	0.08	0.08	0.13	0.08	0.08	0.08	0.08	0.00						
YEAR 2033	0.08	0.08	0.08	0.08	0.13	0.08	0.08	0.08	0.08	0.00						
YEAR 2034	0.08	0.08	0.08	0.08	0.13	0.08	0.08	0.08	0.08	0.00						
YEAR 2035	0.08	0.08	0.08	0.08	0.13	0.08	0.08	0.08	0.08	0.00						
YEAR 2036	0.08	0.08	0.08	0.08	0.13	0.08	0.08	0.08	0.08	0.00						
YEAR 2037	0.08	0.08	0.08	0.08	0.13	0.08	0.08	0.08	0.08	0.00						
YEAR 2038	0.08	0.08	0.08	0.08	0.13	0.08	0.08	0.08	0.08	0.00						
YEAR 2039	0.08	0.08	0.08	0.08	0.13	0.08	0.08	0.08	0.08	0.00						
YEAR 2040	0.08	0.08	0.08	0.08	0.13	0.08	0.08	0.08	0.08	0.00						

4 NOX (B)
IMBG SMR 1 IMBG SMR 2 WATR CC 1 WATR2 1 DRESDEN 1 DRESD2 1 NUCLEAR 1

EFFLUENT THERMAL UNIT	89	90	91	92	93	94	101
YEAR 2011	0.09	0.08	0.09	0.09	0.13	0.09	0.00
EMISSIONS DATA AT MAXIMUM	0.09	0.08	0.09	0.09	0.13	0.09	0.00
EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0	0
EMISSIONS DATA PROFILE							
YEAR 2012	0.09	0.09	0.09	0.09	0.13	0.09	0.00
EMISSIONS DATA AT MAXIMUM	0.09	0.09	0.09	0.09	0.13	0.09	0.00
EMISSIONS DATA AT MINIMUM	0.09	0.09	0.09	0.09	0.13	0.09	0.00
YEAR 2013	0.09	0.08	0.09	0.09	0.13	0.09	0.00
EMISSIONS DATA AT MAXIMUM	0.09	0.08	0.09	0.09	0.13	0.09	0.00
EMISSIONS DATA AT MINIMUM	0.09	0.08	0.09	0.09	0.13	0.09	0.00
YEAR 2014	0.08	0.08	0.09	0.09	0.13	0.08	0.00
EMISSIONS DATA AT MAXIMUM	0.08	0.08	0.09	0.09	0.13	0.08	0.00
EMISSIONS DATA AT MINIMUM	0.08	0.08	0.09	0.09	0.13	0.08	0.00
YEAR 2015	0.08	0.08	0.09	0.09	0.13	0.08	0.00
EMISSIONS DATA AT MAXIMUM	0.08	0.08	0.09	0.09	0.13	0.08	0.00
EMISSIONS DATA AT MINIMUM	0.08	0.08	0.09	0.09	0.13	0.08	0.00
YEAR 2016	0.08	0.08	0.08	0.08	0.13	0.08	0.00
EMISSIONS DATA AT MAXIMUM	0.08	0.08	0.08	0.08	0.13	0.08	0.00
EMISSIONS DATA AT MINIMUM	0.08	0.08	0.08	0.08	0.13	0.08	0.00
YEAR 2017	0.08	0.08	0.09	0.09	0.13	0.08	0.00
EMISSIONS DATA AT MAXIMUM	0.08	0.08	0.09	0.09	0.13	0.08	0.00
EMISSIONS DATA AT MINIMUM	0.08	0.08	0.09	0.09	0.13	0.08	0.00
YEAR 2018	0.08	0.08	0.09	0.09	0.13	0.08	0.00
EMISSIONS DATA AT MAXIMUM	0.08	0.08	0.09	0.09	0.13	0.08	0.00
EMISSIONS DATA AT MINIMUM	0.08	0.08	0.09	0.09	0.13	0.08	0.00
YEAR 2019	0.08	0.08	0.08	0.08	0.13	0.08	0.00
EMISSIONS DATA AT MAXIMUM	0.08	0.08	0.08	0.08	0.13	0.08	0.00
EMISSIONS DATA AT MINIMUM	0.08	0.08	0.08	0.08	0.13	0.08	0.00
YEAR 2020	0.08	0.08	0.08	0.08	0.13	0.08	0.00
EMISSIONS DATA AT MAXIMUM	0.08	0.08	0.08	0.08	0.13	0.08	0.00
EMISSIONS DATA AT MINIMUM	0.08	0.08	0.08	0.08	0.13	0.08	0.00
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							

YEAR	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
EMISSIONS DATA AT MAXIMUM														
EMISSIONS DATA AT MINIMUM														
EMISSIONS DATA PROFILE														
YEAR 2011	0.73	0.62	0.62	0.44	0.44	0.50	0.50	0.50	0.50	0.50	0.06			
YEAR 2012	0.73	0.62	0.62	0.44	0.44	0.50	0.50	0.50	0.50	0.50	0.06			
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														
YEAR 2018														
YEAR 2019														
YEAR 2020	0.73	0.62	0.73	0.44	0.44	0.50	0.59	0.06						
EMISSIONS DATA AT MAXIMUM	0.73	0.62	0.73	0.44	0.44	0.50	0.59	0.06						
EMISSIONS DATA AT MINIMUM	0.73	0.62	0.73	0.44	0.44	0.50	0.59	0.06						
EMISSIONS DATA PROFILE														
YEAR 2021														
YEAR 2022														

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	4 NOX (B)													
	UPC_NCCS 1	PC_UL50 1	UPC_RCCS 1	IGC_NCCS 1	IGCC GE 1	IGC_RCCS 1	CC 2X1FB 1	CC 2X1FA 1	CC 1X1TH 1	BS2_CC 1	CT GE7FA 1	CT_GE7EA 1	BS2_FGD 2	BS1_FGD 1
YEAR 2023														
YEAR 2024														
YEAR 2025														
YEAR 2026														
YEAR 2027														
YEAR 2028														
YEAR 2029														
YEAR 2030														
YEAR 2031														
YEAR 2032														
YEAR 2033														
YEAR 2034														
YEAR 2035														
YEAR 2036														
YEAR 2037														
YEAR 2038														
YEAR 2039														
YEAR 2040														

EFFLUENT THERMAL UNIT	4 NOX (B)													
	CC 2X1FA 1	CC 1X1TH 1	BS2_CC 1	CT GE7FA 1	CT_GE7EA 1	BS2_FGD 2	BS1_FGD 1	0.08	0.07	0.08	0.10	0.12	0.00	0.00
YEAR 2011								0.08	0.07	0.08	0.10	0.12	0.00	0.00
EMISSIONS DATA AT MAXIMUM								0.08	0.07	0.08	0.10	0.12	0.47	0.28
EMISSIONS DATA AT MINIMUM								0	0	0	0	0	57	5
YEAR 2012														
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														
YEAR 2018														
YEAR 2019														
YEAR 2020														
YEAR 2021														
YEAR 2022														
YEAR 2023														
YEAR 2024														
YEAR 2025														
YEAR 2026														
YEAR 2027														
YEAR 2028														
YEAR 2029														
YEAR 2030														
YEAR 2031														
YEAR 2032														
YEAR 2033														
YEAR 2034														
YEAR 2035														

YEAR	2036	2037	2038	2039	2040			
REFUELER								
THERMAL UNIT								
YEAR 2011	4 NOX (B)	126	127	129	130	131	132	133
EMISSIONS DATA AT MAXIMUM	CSV5_SCR 5	0.00	0.00	0.08	0.08	0.08	0.00	0.00
EMISSIONS DATA AT MINIMUM		0.36	0.35	0.08	0.08	0.08	0.52	0.40
EMISSIONS DATA PROFILE		60	61	0	0	0	65	66
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT		4 NOX (B)		EFFLUENT THERMAL UNIT		4 NOX (B)								
YEAR 2033	126	CSV5_SCR 5	127	CSV6_SCR 6	129	CR1_NGCC 1	130	CR2_NGCC 2	131	MRS_NGCC 5	132	MRS_FGD 5	133	RP1D_IM 1
YEAR 2034														
YEAR 2035														
YEAR 2036														
YEAR 2037														
YEAR 2038														
YEAR 2039														
YEAR 2040														
EFFLUENT THERMAL UNIT		4 NOX (B)		EFFLUENT THERMAL UNIT		4 NOX (B)								
YEAR 2011	134	RP2D_IM 2	135	TMND_FGD 4	136	RP1D_KP 1	137	RP2D_KP 2	144	TC4_ESP 4	145	A390%_AP 3	146	A390%OP 3
EMISSIONS DATA AT MAXIMUM	0.00		0.00		0.00		0.00		0.00		0.00		0.00	
EMISSIONS DATA AT MINIMUM	0.40		2.54		0.40		0.40		2.54		0.00		0.00	
EMISSIONS DATA PROFILE	67		51		66		67		51		55		55	
YEAR 2012														
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														
YEAR 2018														
YEAR 2019														
YEAR 2020														
YEAR 2021														
YEAR 2022														
YEAR 2023														
YEAR 2024														
YEAR 2025														
YEAR 2026														
YEAR 2027														
YEAR 2028														
YEAR 2029														
YEAR 2030														
YEAR 2031														
YEAR 2032														
YEAR 2033														
YEAR 2034														
YEAR 2035														
YEAR 2036														
YEAR 2037														
YEAR 2038														
YEAR 2039														
YEAR 2040														

EFFLUENT THERMAL UNIT		4 NOX (B)		EMISSIONS DATA AT MAXIMUM		EMISSIONS DATA AT MINIMUM								
YEAR 2011	147	MTN_90% 1	148	RPT1_90% 1	149	RPT2_90% 2	150	GVL_90% 1	151	GV2_90% 2	153	MTN_18% 1	154	CC_FA_KP 1
EMISSIONS DATA AT MAXIMUM	0.00		0.00		0.00		0.00		0.00		0.00		0.07	
EMISSIONS DATA AT MINIMUM	0.82		0.00		0.00		0.83		0.00		0.73		0.07	
EMISSIONS DATA PROFILE	29		66		67		62		.64		28		0	

----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	4 NOX (B)									
	155	156	157	158	159	160	161	162	163	164
	CT_OHIO	CC_OH	CT_I&M	CC_I&M	CT_APCO	CC_APCO	CT_KPCCO	CC_KPCCO	BS2_FGD	IGCC_AP
YEAR 2011	0.12	0.08	0.12	0.08	0.12	0.08	0.12	0.08	0.00	0.50
EMISSIONS DATA AT MAXIMUM	0.12	0.08	0.12	0.08	0.12	0.08	0.12	0.08	0.45	0.62
EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0	0	0	0	0
EMISSIONS DATA PROFILE										
YEAR 2012										
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										
EFFLUENT THERMAL UNIT	4 NOX (B)									
	162	163	164	165	166	168	169	162	163	164
	CC_KPCCO	BS2_FGD	BS2_FGD	BS2_FGD	BS2_FGD	IGCC_AP	PC_UL_AP	CC_KPCCO	BS2_FGD	BS2_FGD
YEAR 2011	0.07	0.00	0.00	0.00	0.00	0.50	0.62	0.07	0.00	0.00
EMISSIONS DATA AT MAXIMUM	0.07	0.45	0.45	0.45	0.45	0.50	0.62	0.07	0.45	0.45
EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0	0	0	0	0
EMISSIONS DATA PROFILE										
YEAR 2012										
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										

----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

4 NOX (B)

REFUELER THERMAL UNIT	170 Nuke_AP 1	171 IGCC IM 1	172 PC_UL_IM 1	173 NUKE_IM 1	174 IGCC KP 1	175 PC_UL_KP 1	176 NUKE_KP 1
EMISSIONS DATA AT MAXIMUM	0.00	0.50	0.62	0.00	0.50	0.62	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.50	0.62	0.00	0.50	0.62	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT
THERMAL UNIT

4 NOX (B)	170	171	172	173	174	175	176
Nuke_AP	1	1	1	1	1	1	1
IGCC IM	1	1	1	1	1	1	1
PC_UL_IM	1	1	1	1	1	1	1
NUKE_IM	1	1	1	1	1	1	1
IGCC KP	1	1	1	1	1	1	1
PC_UL_KP	1	1	1	1	1	1	1
NUKE_KP	1	1	1	1	1	1	1

----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

EFFLUENT
THERMAL UNIT

4 NOX (B)

177	178	179	181	182	183	184
IGCC OH	1	1	1	1	1	1
PC_UL_OH	1	1	1	1	1	1
NUKE OH	1	1	1	1	1	1
RPID_03	1	1	1	1	1	1
RPID_04	1	1	1	1	1	1
RPID_08	1	1	1	1	1	1
RPID_20	1	1	1	1	1	1

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----

----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

YEAR	2033	2034	2035	2036	2037	2038	2039	2040
-----	YEAR 2033	-----	YEAR 2034	-----	YEAR 2035	-----	YEAR 2036	-----
-----	YEAR 2037	-----	YEAR 2038	-----	YEAR 2039	-----	YEAR 2040	-----
-----	YEAR 2011	-----	YEAR 2012	-----	YEAR 2013	-----	YEAR 2014	-----
-----	YEAR 2015	-----	YEAR 2016	-----	YEAR 2017	-----	YEAR 2018	-----
-----	YEAR 2019	-----	YEAR 2020	-----	YEAR 2021	-----	YEAR 2022	-----
-----	YEAR 2023	-----	YEAR 2024	-----	YEAR 2025	-----	YEAR 2026	-----
-----	YEAR 2027	-----	YEAR 2028	-----	YEAR 2029	-----		

EMISSIONS DATA AT MAXIMUM	EMISSIONS DATA AT MINIMUM	EMISSIONS DATA PROFILE
0.00	0.00	0.00
1.84	1.84	1.84
45	46	45

4 NOX (B)	186	187	188	189	190	191	201
RP1TR_IM_1	186	RP2TR_IM_2	187	RP1TR_KP_1	188	RP2TR_KP_2	189
0.00	1.84	0.00	1.84	0.00	1.84	0.00	1.84
45	46	45	46	46	51	51	0
T4_TROWA_4	190	T4_TRCCR_4	191				
0.00	2.70	0.00	2.70				
51	51	51	51				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFECTIVE THERMAL UNIT		4 NOX (B)		186		187		188		189		190		191		201	
		RP1TR_IM	RP2TR_IM	RP1TR_KP	RP2TR_KP	T4_TFRONA	T4_TFRONA	T4_TFRONA	T4_TFRONA	T4_TFRONA	T4_TFRONA	T4_TFRONA	T4_TFRONA	T4_TFRONA	T4_TFRONA	T4_TFRONA	
YEAR 2030																	
YEAR 2031																	
YEAR 2032																	
YEAR 2033																	
YEAR 2034																	
YEAR 2035																	
YEAR 2036																	
YEAR 2037																	
YEAR 2038																	
YEAR 2039																	
YEAR 2040																	

EFFECTIVE THERMAL UNIT		4 NOX (B)		223		224		228		229		230		231		232	
		MR_STKR1	MR_STKR2	AMS3_SI	BS2_SI	MRS_CF	MRS_SI	MR5_SI	RP11_CF	0.86	0.86	0.00	0.00	0.00	0.51	0.00	0.00
YEAR 2011	EMISSIONS DATA AT MAXIMUM									0.86	0.86	0.00	0.00	0.00	0.51	0.00	0.00
YEAR 2012	EMISSIONS DATA AT MINIMUM									0.86	0.86	0.82	0.46	0.51	0.51	0.51	1.61
YEAR 2013	EMISSIONS DATA PROFILE									0	0	55	57	38	38	38	45
YEAR 2014																	
YEAR 2015																	
YEAR 2016																	
YEAR 2017																	
YEAR 2018																	
YEAR 2019																	
YEAR 2020																	
YEAR 2021																	
YEAR 2022																	
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YEAR 2028																	
YEAR 2029																	
YEAR 2030																	
YEAR 2031																	
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YEAR 2035																	
YEAR 2036																	
YEAR 2037																	
YEAR 2038																	
YEAR 2039																	
YEAR 2040																	

EFFECTIVE THERMAL UNIT		4 NOX (B)		233		234		235		251		252		253		254	
		RP12_CF	RP11_SI	RP12_SI	DC1_HFP	DC1_IS	DC1_BFP	DC1_I17	0	2	1	1	1	1	1	1	1
YEAR 2011																	
YEAR 2012																	
YEAR 2013																	
YEAR 2014																	
YEAR 2015																	
YEAR 2016																	
YEAR 2017																	
YEAR 2018																	
YEAR 2019																	
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YEAR 2022																	
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YEAR 2026																	
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YEAR 2028																	
YEAR 2029																	
YEAR 2030																	
YEAR 2031																	
YEAR 2032																	
YEAR 2033																	
YEAR 2034																	
YEAR 2035																	
YEAR 2036																	
YEAR 2037																	
YEAR 2038																	
YEAR 2039																	
YEAR 2040																	

4-Company East Optimization

YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	1.64	0.15	0.15	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE	46	66	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT		4 NOX (B)		EFFLUENT THERMAL UNIT		4 NOX (B)	
YEAR 2011	EMISSIONS DATA AT MAXIMUM	233	234	255	257	258	259
YEAR 2011	EMISSIONS DATA AT MINIMUM	RPT2_CF 2	RPT1_SI 1	DC1_3800 1	DC2_HPF 2	DC2_EPF 2	DC2_SPU 2
YEAR 2011	EMISSIONS DATA PROFILE	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012		0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012		0	0	0	0	0	0
YEAR 2013							
YEAR 2013							
YEAR 2014							
YEAR 2014							
YEAR 2015							
YEAR 2015							
YEAR 2016							
YEAR 2016							
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YEAR 2028							
YEAR 2028							
YEAR 2029							
YEAR 2029							
YEAR 2030							
YEAR 2030							
YEAR 2031							
YEAR 2031							
YEAR 2032							
YEAR 2032							
YEAR 2033							
YEAR 2033							
YEAR 2034							
YEAR 2034							
YEAR 2035							
YEAR 2035							
YEAR 2036							
YEAR 2036							
YEAR 2037							
YEAR 2037							
YEAR 2038							
YEAR 2038							
YEAR 2039							
YEAR 2039							
YEAR 2040							
YEAR 2040							

EFFLUENT THERMAL UNIT		4 NOX (B)		EFFLUENT THERMAL UNIT		4 NOX (B)	
YEAR 2011	EMISSIONS DATA AT MAXIMUM	271	272	273	274	275	276
YEAR 2011	EMISSIONS DATA AT MINIMUM	CIN_Q_HM 1	CIN_Q_15 1	CIN_Q_HM 2	CIN_Q_15 2	CIN_Q_HM 3	CIN_Q_15 3
YEAR 2011	EMISSIONS DATA PROFILE	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012		1.82	1.82	1.86	1.86	1.84	1.84
YEAR 2012		0	0	0	0	0	0
YEAR 2013							
YEAR 2013							
YEAR 2014							
YEAR 2014							
YEAR 2015							
YEAR 2015							
YEAR 2016							
YEAR 2016							
YEAR 2017							
YEAR 2017							
YEAR 2018							
YEAR 2018							

----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
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 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

EMISSIONS DATA AT MAXIMUM	EMISSIONS DATA AT MINIMUM	EMISSIONS DATA PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015
278	279	280	281	282	283	284	
CVL_3_10_3	GLN_5_5	GLN_5_15_5	GLN_6_6	GLN_6_15_6	KMR_F_HM_1	KMR_F_GP_1	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4.00	4.74	4.74	4.32	4.32	3.91	3.91	
0	0	0	0	0	0	0	

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	4 NOX (B)	278 CUI_3_10 3	279 GLN_5_HM 5	280 GLN_5_15 5	281 GLN_6_HM 6	282 GLN_6_15 6	283 KMR_F_HM 1	284 KMR_F_GP 1
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EFFLUENT THERMAL UNIT	4 NOX (B)	285 KMR_F_HM 2	286 KMR_F_GP 2	287 KMR_F_HM 3	288 KMR_F_GP 3	289 KWA_1_HM 1	290 KWA_1_15 1	291 KWA_2_HM 2
YEAR 2011		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM		3.93	3.93	4.00	4.00	2.45	2.45	2.37
EMISSIONS DATA AT MINIMUM		0	0	0	0	0	0	0
EMISSIONS DATA PROFILE								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								

YEAR	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	2.37	3.60	3.60	3.60	3.73	3.73	3.73	2.70	2.70	2.70	2.70	2.70
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0	0	0	0	0

YEAR	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	2.37	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

REFUELER THERMAL UNIT	4 NOX (B)	292 KWR_2_15 2	293 MSKR1_HM 1	294 MSKR1_12 1	295 MSKR2_HM 2	296 MSKR2_12 2	297 MSKR3_GP 3	298 MR3HM_12 3
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
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YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EMISSIONS DATA AT MAXIMUM EMISSIONS DATA AT MINIMUM EMISSIONS DATA PROFILE	4 NOX (B)	299 MSKR4_GP 4	300 M4HM_12 4	301 PICWY_HM 5	302 PICWY_GP 5	303 SP1_F_HM 1	304 SP1_F_15 1	305 SP2_F_HM 2
YEAR 2011	0.00	2.56	0.00	0.00	0.00	3.77	3.77	0.00
YEAR 2012	0.00	2.56	0.00	0.00	0.00	3.77	3.77	0.00
YEAR 2013	0.00	2.56	0.00	0.00	0.00	3.77	3.77	0.00
YEAR 2014	0.00	2.56	0.00	0.00	0.00	3.77	3.77	0.00
YEAR 2015	0.00	2.56	0.00	0.00	0.00	3.77	3.77	0.00
YEAR 2016	0.00	2.56	0.00	0.00	0.00	3.77	3.77	0.00
YEAR 2017	0.00	2.56	0.00	0.00	0.00	3.77	3.77	0.00
YEAR 2018	0.00	2.56	0.00	0.00	0.00	3.77	3.77	0.00
YEAR 2019	0.00	2.56	0.00	0.00	0.00	3.77	3.77	0.00
YEAR 2020	0.00	2.56	0.00	0.00	0.00	3.77	3.77	0.00
YEAR 2021	0.00	2.56	0.00	0.00	0.00	3.77	3.77	0.00
YEAR 2022	0.00	2.56	0.00	0.00	0.00	3.77	3.77	0.00
YEAR 2023	0.00	2.56	0.00	0.00	0.00	3.77	3.77	0.00
YEAR 2024	0.00	2.56	0.00	0.00	0.00	3.77	3.77	0.00
YEAR 2025	0.00	2.56	0.00	0.00	0.00	3.77	3.77	0.00
YEAR 2026	0.00	2.56	0.00	0.00	0.00	3.77	3.77	0.00
YEAR 2027	0.00	2.56	0.00	0.00	0.00	3.77	3.77	0.00
YEAR 2028	0.00	2.56	0.00	0.00	0.00	3.77	3.77	0.00
YEAR 2029	0.00	2.56	0.00	0.00	0.00	3.77	3.77	0.00
YEAR 2030	0.00	2.56	0.00	0.00	0.00	3.77	3.77	0.00
YEAR 2031	0.00	2.56	0.00	0.00	0.00	3.77	3.77	0.00
YEAR 2032	0.00	2.56	0.00	0.00	0.00	3.77	3.77	0.00
YEAR 2033	0.00	2.56	0.00	0.00	0.00	3.77	3.77	0.00
YEAR 2034	0.00	2.56	0.00	0.00	0.00	3.77	3.77	0.00
YEAR 2035	0.00	2.56	0.00	0.00	0.00	3.77	3.77	0.00
YEAR 2036	0.00	2.56	0.00	0.00	0.00	3.77	3.77	0.00
YEAR 2037	0.00	2.56	0.00	0.00	0.00	3.77	3.77	0.00
YEAR 2038	0.00	2.56	0.00	0.00	0.00	3.77	3.77	0.00
YEAR 2039	0.00	2.56	0.00	0.00	0.00	3.77	3.77	0.00
YEAR 2040	0.00	2.56	0.00	0.00	0.00	3.77	3.77	0.00

YEAR 2039	YEAR 2040	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	
-----		EMISSIONS DATA AT MAXIMUM		EMISSIONS DATA AT MINIMUM		EMISSIONS DATA PROFILE																					
-----		306		307		308		309		310		311		312													
-----		SP2_F_15		SP3_O_HM		SP3_O_15		SP4_O_HM		SP4_O_15		SP5_HM		SP5_15													
-----		2		3		3		4		4		5		5													
-----		0.00		0.00		0.00		0.00		0.00		0.00		0.00													
-----		3.73		2.77		2.77		2.73		2.73		2.95		2.95													
-----		0		0		0		0		0		0		0													

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAR.INPUT.THERMAL UNIT.

REFUELT THERMAL UNIT	4 NOX (B)	306	307	308	309	310	311	312
	SP2_F_15	SP3_Q_HM	SP3_Q_15	SP4_Q_HM	SP4_Q_15	SP5_HM	SP5_15	
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

REFUELT THERMAL UNIT	4 NOX (B)	313	314	315	316	317	318	319
	TNR_F_HM	TNR_F_15	TNR_F_HM	TNR_F_15	TNR_F_HM	TNR_F_15	TNR_F_15	PW_GP_15
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM	3.87	3.87	3.61	3.61	4.05	4.05	4.05	6.55
EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0	0	0
EMISSIONS DATA PROFILE								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

REFUELT THERMAL UNIT	4 NOX (B)	320	364	500	501	502	503	958
	RHILLS 1	DUMMY_OP	DUMMY_IM	DUMMY_AP	DUMMY_KP	CC_KFCO		
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
EMISSIONS DATA AT MAXIMUM	0.00	1.85	0.00	0.00	0.00	0.00	0.00	0.07
EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0	0	0
EMISSIONS DATA PROFILE								
YEAR 2012								
YEAR 2013								
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
YEAR 2014								

----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
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 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
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 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

EFFLUENT THERMAL UNIT	4 NOX (B)						
	RP2D KP 959	RP2D IM 960	CSV6 SCR 961	CSV5 SCR 962	DUMMY OP 963	DUMMY OP 964	RP1D O3 965
----- YEAR 2011 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM	0.40	0.40	0.35	0.36	0.00	0.00	0.40
EMISSIONS DATA AT MINIMUM	67	67	61	80	0	0	66
EMISSIONS DATA PROFILE							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	4 NOX (B)													
	RP2D_KP 959	RP2D_IM 960	CSV6_SCR 961	CSV5_SCR 962	DUMMY_OP 963	DUMMY_OP 964	RP1D_O3 965	RP1D_KP 966	BS2_FGD 967	CR2_NGCC 968	CRL_NGCC 969	MRS5_NGCC 970	DUMMY_OP 971	DUMMY_OP 972
YEAR 2012														
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														
YEAR 2018														
YEAR 2019														
YEAR 2020														
YEAR 2021														
YEAR 2022														
YEAR 2023														
YEAR 2024														
YEAR 2025														
YEAR 2026														
YEAR 2027														
YEAR 2028														
YEAR 2029														
YEAR 2030														
YEAR 2031														
YEAR 2032														
YEAR 2033														
YEAR 2034														
YEAR 2035														
YEAR 2036														
YEAR 2037														
YEAR 2038														
YEAR 2039														
YEAR 2040														

EFFLUENT THERMAL UNIT	4 NOX (B)													
	RP1D_KP 966	BS2_FGD 967	CR2_NGCC 968	CRL_NGCC 969	MRS5_NGCC 970	DUMMY_OP 971	DUMMY_OP 972	RP1D_KP 966	BS2_FGD 967	CR2_NGCC 968	CRL_NGCC 969	MRS5_NGCC 970	DUMMY_OP 971	DUMMY_OP 972
YEAR 2011	0.00	0.00	0.08	0.08	0.08	0.00	0.00	0.40	0.45	0.08	0.08	0.08	0.00	0.00
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.08	0.08	0.08	0.00	0.00	0.40	0.45	0.08	0.08	0.08	0.00	0.00
EMISSIONS DATA AT MINIMUM	66	7	0	0	0	0	0	66	7	0	0	0	0	0
EMISSIONS DATA PROFILE														

YEAR 2012
YEAR 2013
YEAR 2014
YEAR 2015
YEAR 2016
YEAR 2017
YEAR 2018
YEAR 2019
YEAR 2020
YEAR 2021
YEAR 2022
YEAR 2023
YEAR 2024

----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

REFUELER
 THERMAL UNIT

4 NOX (B)

	973 DUMAX_OP 973	974 DUMAX_OP 974	975 DUMAX_OP 975	976 DUMAX_OP 976	977 DUMAX_OP 977	978 DUMAX_OP 978	979 DUMAX_OP 979
----- YEAR 2011 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0	0
EMISSIONS DATA PROFILE							
----- YEAR 2012 -----							
----- YEAR 2013 -----							
----- YEAR 2014 -----							
----- YEAR 2015 -----							
----- YEAR 2016 -----							
----- YEAR 2017 -----							
----- YEAR 2018 -----							
----- YEAR 2019 -----							
----- YEAR 2020 -----							
----- YEAR 2021 -----							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT
THERMAL UNIT

4 NOX (B)		973	974	975	976	977	978	979
		DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
		973	974	975	976	977	978	979
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EFFLUENT
THERMAL UNIT

4 NOX (B)		980	981	982	983	984	985	986
		DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
		980	981	982	983	984	985	986
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								

EMISSIONS DATA AT MAXIMUM
EMISSIONS DATA AT MINIMUM
EMISSIONS DATA PROFILE

YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2013	0	0	0	0	0	0	0	0
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								

EFFLUENT THERMAL UNIT	4 NOX (B)						
	987 DUMMY_OP 987	988 DUMMY_OP 988	989 DUMMY_OP 989	990 DUMMY_OP 990	991 DUMMY_OP 991	992 DUMMY_OP 992	993 DUMMY_OP 993
YEAR 2035 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2036 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2037 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2038 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2039 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2040 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2011 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2013 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2014 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2015 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2016 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2017 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2018 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2019 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2020 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2021 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2022 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2023 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2024 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2025 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2026 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2027 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2028 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2029 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2030 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2031 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
4 NOX (B)	987	988	989	990	991	992	993		
DUMMY_OP	987	988	989	990	991	992	993		
	0	0	0	0	0	0	0		

EFFLUENT THERMAL UNIT	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
4 NOX (B)	994	995	996	997	998	999																								
DUMMY_OP	994	995	996	997	998	999																								
	0	0	0	0	0	0																								

EFFLUENT THERMAL UNIT	AMOS 1	AMOS 2	AMOS_OP 3	BECKJORD 4	BIG SAND 5	BIG SAND 6	CARD 1+2 7
5 NSR SO2	1	2	3	4	5	6	7
	0.00	0.00	0.00	0.00	1.59	1.59	0.00
	0.00	0.00	0.00	0.00	1.59	1.59	0.00

EMISSIONS DATA PROFILE		4-Company East Optimization						
-----	YEAR 2012 -----	0	0	0	0	0	0	0
EMISSIONS DATA AT MAXIMUM		0.00	0.00	0.00	0.00	1.58	1.58	0.00
EMISSIONS DATA AT MINIMUM		0.00	0.00	0.00	0.00	1.58	1.58	0.00
-----	YEAR 2013 -----	0.00	0.00	0.00	0.00	1.61	1.61	0.00
EMISSIONS DATA AT MAXIMUM		0.00	0.00	0.00	0.00	1.61	1.61	0.00
EMISSIONS DATA AT MINIMUM		0.00	0.00	0.00	0.00	1.61	1.61	0.00
-----	YEAR 2014 -----	0.00	0.00	0.00	0.00	1.60	1.60	0.00
EMISSIONS DATA AT MAXIMUM		0.00	0.00	0.00	0.00	1.60	1.60	0.00
EMISSIONS DATA AT MINIMUM		0.00	0.00	0.00	0.00	1.60	1.60	0.00
-----	YEAR 2015 -----							
-----	YEAR 2016 -----							
-----	YEAR 2017 -----							
-----	YEAR 2018 -----							
-----	YEAR 2019 -----							
-----	YEAR 2020 -----							
-----	YEAR 2021 -----							
-----	YEAR 2022 -----							
-----	YEAR 2023 -----							
-----	YEAR 2024 -----							
-----	YEAR 2025 -----							
-----	YEAR 2026 -----							
-----	YEAR 2027 -----							
-----	YEAR 2028 -----							
-----	YEAR 2029 -----							
-----	YEAR 2030 -----							
-----	YEAR 2031 -----							
-----	YEAR 2032 -----							
-----	YEAR 2033 -----							
-----	YEAR 2034 -----							
-----	YEAR 2035 -----							
-----	YEAR 2036 -----							
-----	YEAR 2037 -----							
-----	YEAR 2038 -----							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EPFLUENT THERMAL UNIT	5 NSR SO2	8 CARD 1+2	9 CARD 3	10 CLIFFY 1	11 CLIFFY 2	12 CLIFFY 3	13 CLIFFY 4	14 CLIFFY 5	1 AMOS	2 AMOS	3 AMOS_OP	4 BECKJORD	5 BIG SAND	6 BIG SAND	7 CARD 1+2
YEAR 2039															
YEAR 2040															
EPFLUENT THERMAL UNIT	5 NSR SO2	8 CARD 1+2	9 CARD 3	10 CLIFFY 1	11 CLIFFY 2	12 CLIFFY 3	13 CLIFFY 4	14 CLIFFY 5	1 AMOS	2 AMOS	3 AMOS_OP	4 BECKJORD	5 BIG SAND	6 BIG SAND	7 CARD 1+2
YEAR 2011															
EMISSIONS DATA AT MAXIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
EMISSIONS DATA AT MINIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
EMISSIONS DATA PROFILE		0	0	0	0	0	0	0							0
YEAR 2012															
YEAR 2013															
YEAR 2014															
YEAR 2015															
YEAR 2016															
YEAR 2017															
YEAR 2018															
YEAR 2019															
YEAR 2020															
YEAR 2021															
YEAR 2022															
YEAR 2023															
YEAR 2024															
YEAR 2025															
YEAR 2026															
YEAR 2027															
YEAR 2028															
YEAR 2029															
YEAR 2030															
YEAR 2031															
YEAR 2032															
YEAR 2033															
YEAR 2034															
YEAR 2035															
YEAR 2036															
YEAR 2037															
YEAR 2038															
YEAR 2039															
YEAR 2040															
EPFLUENT THERMAL UNIT	5 NSR SO2	15 CLIFFY 6	16 CLINCH R 1	17 CLINCH R 2	18 CLINCH R 3	19 ROCKP_KP 1	20 ROCKP_KP 2	21 CSVL 1-4 3							
YEAR 2011															
EMISSIONS DATA AT MAXIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
EMISSIONS DATA AT MINIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
EMISSIONS DATA PROFILE		0	0	0	0	0	0	0							0
YEAR 2012															
YEAR 2013															
YEAR 2014															
YEAR 2015															
YEAR 2016															
YEAR 2017															

-----	YEAR 2018	-----
-----	YEAR 2019	-----
-----	YEAR 2020	-----
-----	YEAR 2021	-----
-----	YEAR 2022	-----
-----	YEAR 2023	-----
-----	YEAR 2024	-----
-----	YEAR 2025	-----
-----	YEAR 2026	-----
-----	YEAR 2027	-----
-----	YEAR 2028	-----
-----	YEAR 2029	-----
-----	YEAR 2030	-----
-----	YEAR 2031	-----
-----	YEAR 2032	-----
-----	YEAR 2033	-----
-----	YEAR 2034	-----
-----	YEAR 2035	-----
-----	YEAR 2036	-----
-----	YEAR 2037	-----
-----	YEAR 2038	-----
-----	YEAR 2039	-----
-----	YEAR 2040	-----

-----	YEAR 2011	-----
-----	YEAR 2012	-----
-----	YEAR 2013	-----
-----	YEAR 2014	-----

-----	EMISSIONS DATA AT MAXIMUM	-----
-----	EMISSIONS DATA AT MINIMUM	-----
-----	EMISSIONS DATA PROFILE	-----

-----	YEAR 2011	-----
-----	YEAR 2012	-----
-----	YEAR 2013	-----
-----	YEAR 2014	-----

5	NSR SO2	22	23	24	25	26	27	28
CSVL 1-4	CSVL 5+6	CSVL 5+6	D C COOK	D C COOK	GAVIN	GAVIN		
4	5	6	1	2	1	2		

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

EFFLUENT
THERMAL UNIT

5 NSR SO2	22	23	24	25	26	27	28
CSVL 1-4	CSVL 5+6	CSVL 5+6	D C COOK	D C COOK	GAVIN	GAVIN	
4	5	6	1	2	1	2	

----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

EFFLUENT	5 NSR SO2	29	30	33	34	35	36	37
THERMAL UNIT	GLEN LYN	GLEN LYN	KAMMER	KAMMER	KAMMER	KANAWHA	KANAWHA	
	5	6	1	2	3	1	2	
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0	0	0
EMISSIONS DATA PROFILE								

----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

REFUELT THERMAL UNIT	5 NSR SO2	38	KYGER	39	KYGER	40	KYGER	41	KYGER	42	MITCHELL	43	MITCHELL	44	MITCHELL
YEAR 2025															
YEAR 2026															
YEAR 2027															
YEAR 2028															
YEAR 2029															
YEAR 2030															
YEAR 2031															
YEAR 2032															
YEAR 2033															
YEAR 2034															
YEAR 2035															
YEAR 2036															
YEAR 2037															
YEAR 2038															
YEAR 2039															
YEAR 2040															

REFUELT THERMAL UNIT	5 NSR SO2	45	MOUNT_ER	46	MUSK RVR	47	MUSK RVR	48	MUSK RVR	49	MUSK RVR	50	MUSK RVR	51	P SPORN
YEAR 2011															
YEAR 2012															
YEAR 2013															
YEAR 2014															
YEAR 2015															
YEAR 2016															
YEAR 2017															
YEAR 2018															
YEAR 2019															
YEAR 2020															
YEAR 2021															
YEAR 2022															
YEAR 2023															
YEAR 2024															
YEAR 2025															
YEAR 2026															
YEAR 2027															
YEAR 2028															
YEAR 2029															
YEAR 2030															
YEAR 2031															
YEAR 2032															
YEAR 2033															
YEAR 2034															
YEAR 2035															
YEAR 2036															
YEAR 2037															

EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0

YEAR 2038	YEAR 2039	YEAR 2040	5 NSR SO2	52	53	54	55	56	57	58
REFURN			P SPORN	P SPORN	P SPORN	P SPORN	P SPORN	PICWAY	RPRPT	RPRUN
THERMAL UNIT			2	3	4	5	5	5	_1	_1
YEAR 2011	EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012	EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2013	EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0	0
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	5 NSR SO2	52 P SPORN 2	53 P SPORN 3	54 P SPORN 4	55 P SPORN 5	56 PICWAY 5	57 RPRET_TM 1	58 RPRUN_TM 1
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EFFLUENT THERMAL UNIT	5 NSR SO2	59 ROCKP_IM 2	61 STUART 1	62 STUART 2	63 STUART 3	64 STUART 4	65 AMOS_AP 3	66 TANN 1-3 1
YEAR 2011		0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012		0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
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YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EFFLUENT THERMAL UNIT

5 NSR SO2	67 TANN 1-3 2	68 TANN 1-3 3	69 TANN 4 4	70 ZIMMER 1	71 ROBTMONE 1	72 ROBTMONE 2	73 ROBTMONE 3
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2013							

EMISSIONS DATA AT MAXIMUM
EMISSIONS DATA AT MINIMUM
EMISSIONS DATA PROFILE

YEAR 2011
YEAR 2012
YEAR 2013

YEAR 2014	-----								
YEAR 2015	-----								
YEAR 2016	-----								
YEAR 2017	-----								
YEAR 2018	-----								
YEAR 2019	-----								
YEAR 2020	-----								
YEAR 2021	-----								
YEAR 2022	-----								
YEAR 2023	-----								
YEAR 2024	-----								
YEAR 2025	-----								
YEAR 2026	-----								
YEAR 2027	-----								
YEAR 2028	-----								
YEAR 2029	-----								
YEAR 2030	-----								
YEAR 2031	-----								
YEAR 2032	-----								
YEAR 2033	-----								
YEAR 2034	-----								
YEAR 2035	-----								
YEAR 2036	-----								
YEAR 2037	-----								
YEAR 2038	-----								
YEAR 2039	-----								
YEAR 2040	-----								
EFFLUENT THERMAL UNIT		5	NSR	SO2					
		75							
		CEREDO	1						
		76							
		CEREDO	2						
		77							
		CEREDO	3						
		78							
		CEREDO	4						
		79							
		CEREDO	5						
		80							
		CEREDO	6						
		DARBY							
		81							
		DARBY	1						
EMISSIONS DATA AT MAXIMUM		0.00							
EMISSIONS DATA AT MINIMUM		0.00							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	5 NSR SO2		82		83		84		85		86		87		88	
	CEREDO	DARBY	CEREDO	DARBY	CEREDO	DARBY	CEREDO	DARBY	CEREDO	DARBY	CEREDO	DARBY	IMBG WIN	IMBG WIN	CEREDO	DARBY
YEAR 2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2024	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2029	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2030	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2031	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2032	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2033	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2034	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2036	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2037	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2038	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

EFFLUENT THERMAL UNIT	5 NSR SO2		82		83		84		85		86		87		88	
	CEREDO	DARBY	CEREDO	DARBY	CEREDO	DARBY	CEREDO	DARBY	CEREDO	DARBY	CEREDO	DARBY	IMBG WIN	IMBG WIN	CEREDO	DARBY
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EMISSIONS DATA PROFITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

YEAR 2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

EFFLUENT
 THERMAL UNIT

	5 NSR SO2						
	89	90	91	92	93	94	101
	IMBG SMR	IMBG SMR	WATR CC	WATR2	DRESDEN	DRESD2	NUCLEAR
	1	2	1	1	1	1	1
----- YEAR 2011 -----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0	0
EMISSIONS DATA PROFILE							
----- YEAR 2012 -----							
----- YEAR 2013 -----							
----- YEAR 2014 -----							
----- YEAR 2015 -----							
----- YEAR 2016 -----							
----- YEAR 2017 -----							
----- YEAR 2018 -----							
----- YEAR 2019 -----							
----- YEAR 2020 -----							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	5 NSR SO2	89 LMBG SMR 1	90 LMBG SMR 2	91 WATR CC 1	92 WATR2 1	93 DRESSDEN 1	94 DRESSD2 1	101 NUCLEAR 1
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
EFFLUENT THERMAL UNIT								
5 NSR SO2								
YEAR 2011	102	103	104	105	106	107	108	
EMISSIONS DATA AT MAXIMUM	UPC_NCCS 1	PC_UL_SU 1	UPC_RCCS 1	IGC_NCCS 1	IGCC GE 1	IGC_RCCS 1	CC 2X1FB 1	
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA PROFILE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								

YEAR	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
EFFLUENT THERMAL UNIT																				
EMISSIONS DATA AT MAXIMUM	109	110	111	114	115	124	125													
EMISSIONS DATA AT MINIMUM	1	1	1	1	1	2	1													
EMISSIONS DATA PROFILE	0.00	0.00	0.00	0.00	0.00	0.00	0.00													
5 NSR SO2																				
CC 2x1FA	1	1	1	1	1	2	1													

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	5 NSR SO2	109 CC 2X1FA 1	110 CC 1X17H 1	111 BS2_CC 1	114 CT GE7FA 1	115 CT_GE7FA 1	124 BS2_FGD 2	125 BS1_FGD 1
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EFFLUENT THERMAL UNIT	5 NSR SO2	126 CSV5_SCR 5	127 CSV6_SCR 6	129 CR1_NGCC 1	130 CR2_NGCC 2	131 MR5_NGCC 5	132 MR5_FGD 5	133 RP1D_IM 1
YEAR 2011		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM		0	0	0	0	0	0	0
EMISSIONS DATA PROFILE								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EFFLUENT THERMAL UNIT	5 NSR SO2	134 RP2D_IM 2	135 TAN4_FGD 4	136 RP1D_KP 1	137 RP2D_KP 2	144 TC4_ESP 4	145 A390% AP 3	146 A390%OP 3
YEAR 2011								

4-Company East Optimization

EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0
----- YEAR 2012 -----						
----- YEAR 2013 -----						
----- YEAR 2014 -----						
----- YEAR 2015 -----						
----- YEAR 2016 -----						
----- YEAR 2017 -----						
----- YEAR 2018 -----						
----- YEAR 2019 -----						
----- YEAR 2020 -----						
----- YEAR 2021 -----						
----- YEAR 2022 -----						
----- YEAR 2023 -----						
----- YEAR 2024 -----						
----- YEAR 2025 -----						
----- YEAR 2026 -----						
----- YEAR 2027 -----						
----- YEAR 2028 -----						
----- YEAR 2029 -----						
----- YEAR 2030 -----						
----- YEAR 2031 -----						
----- YEAR 2032 -----						
----- YEAR 2033 -----						
----- YEAR 2034 -----						
----- YEAR 2035 -----						
----- YEAR 2036 -----						
----- YEAR 2037 -----						
----- YEAR 2038 -----						
----- YEAR 2039 -----						
----- YEAR 2040 -----						

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EPTUBENT THERMAL UNIT	5 NSR SO2													
	147 MTN_90%	148 RPT1_90%	149 RPT2_90%	150 GV1_90%	151 GV2_90%	153 MTN_18%	154 CC_FA_KP	155 CT_OHTO	156 CC_OH	157 CT_I&M	158 CC_I&M	159 CT_APCO	160 CC_APCO	161 CT_KP&CO
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2014	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2016	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2017	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2018	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2025	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2027	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2028	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2029	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2030	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2031	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2032	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2033	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2034	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2035	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2036	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2037	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2038	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2039	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2040	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

EFFLUENT
 THERMAL UNIT

5 NSR SO2

	162	163	164	165	166	168	169
	CC_KPCO	BS2 FGD	BS2 FGD	BS2 FGD	BS2 FGD	IGCC AP	PC_UL_AP
	1	1	5	22	23	1	1
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.08	0.00	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAR.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	5 NSR SO2	162	163	164	165	166	168	169
	CC_KPCO	BS2 FGD	BS2 FGD	BS2 FGD	BS2 FGD	BS2 FGD	IGCC AP	PC_UL_AP
	1	1	5	22	23	1	1	1
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EFFLUENT THERMAL UNIT	5 NSR SO2	170	171	172	173	174	175	176
	Nuke_AP	IGCC IM	PC_UL_IM	NUKE_IM	IGCC KP	PC_UL_KP	NUKE_KP	
	1	1	1	1	1	1	1	1
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								

-----	YEAR 2033	-----							
-----	YEAR 2034	-----							
-----	YEAR 2035	-----							
-----	YEAR 2036	-----							
-----	YEAR 2037	-----							
-----	YEAR 2038	-----							
-----	YEAR 2039	-----							
-----	YEAR 2040	-----							
-----	EFFLUENT	5 NSR SO2							
-----	THRRMAL UNIT								
-----	YEAR 2011	-----	177	178	179	181	182	183	184
-----	EMISSIONS DATA AT MAXIMUM	IGCC OH	1	PC_UL_OH	NUKE OH	RP1D_03	RP1D_04	RP1D_08	RP1D_20
-----	EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-----	EMISSIONS DATA PROFILE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-----	YEAR 2012	-----	1	1	1	1	1	1	1
-----	YEAR 2013	-----							
-----	YEAR 2014	-----							
-----	YEAR 2015	-----							
-----	YEAR 2016	-----							
-----	YEAR 2017	-----							
-----	YEAR 2018	-----							
-----	YEAR 2019	-----							
-----	YEAR 2020	-----							
-----	YEAR 2021	-----							
-----	YEAR 2022	-----							
-----	YEAR 2023	-----							
-----	YEAR 2024	-----							
-----	YEAR 2025	-----							
-----	YEAR 2026	-----							
-----	YEAR 2027	-----							
-----	YEAR 2028	-----							
-----	YEAR 2029	-----							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

YEAR	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
EPFLUENT											
THERMAL UNIT											
5 NSR S02	177	178	179	181	182	183	184				
IGCC OH	1	1	1	1	1	1	1				
PC_UL_OH											
NUKE OH											
RPID_03											
RPID_04											
RPID_08											
RPID_20											
5 NSR S02	186	187	188	189	190	191	201				
RP1TR_IM	1	2	1	2	4	4	0				
RP2TR_IM											
RP1TR_KP											
RP2TR_KP											
T4_TRONA											
T4_TRCCR											
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0				

YEAR	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
EPFLUENT																														
THERMAL UNIT																														
5 NSR S02	223	224	228	229	230	231	232																							
MR_STKR1	1	1	3	2	5	5	1																							
MR_STKR2																														
AMS3_SI																														
BS2_SI																														
MRS_CF																														
MRS_SI																														
RPT1_CF																														

EPFLUENT 5 NSR S02 223 224 228 229 230 231 232
 THERMAL UNIT MR_STKR1 1 MR_STKR2 1 AMS3_SI 3 BS2_SI 2 MRS_CF 5 MRS_SI 5 RPT1_CF 1
 727

4-Company East Optimization

YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.88
EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0	0
EMISSIONS DATA PROFILE							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
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YEAR 2024							
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YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT	YEAR 2011	5 NSR SO2	223	224	228	229	230	231	232
THERMAL UNIT		MR_STR1	MR_STR2	AMS3_SI	BS2_SI	MRS_CF	MRS_SI	RPT1_CF	
		1	1	3	2	5	5	1	
YEAR 2040									

EFFLUENT	YEAR 2011	5 NSR SO2	233	234	235	251	252	253	254
THERMAL UNIT		RPT2_CF	RPT1_SI	RPT2_SI	DC1_HPR	DC1_IS	DC1_EFF	DC1_17	
		2	1	2	1	1	1	1	
EMISSIONS DATA AT MAXIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA AT MINIMUM		0.88	0.03	0.02	0.00	0.00	0.00	0.00	
EMISSIONS DATA PROFILE		0	0	0	0	0	0	0	

YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
EMISSIONS DATA AT MINIMUM		0.88	0.02	0.02	0.00	0.00	0.00	0.00	
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

EFFLUENT	5 NSR SO2	255	257	258	259	260	269	270
THERMAL UNIT	DC1_3800	DC2_HPR	DC2_EFF	DC2_SPU	DC2_3800	BIGSD_15	BIGSD_GP	
	1	2	2	2	2	1	1	
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	

YEAR 2011
YEAR 2012
YEAR 2013
YEAR 2014
YEAR 2015
YEAR 2016
YEAR 2017
YEAR 2018

-----	YEAR 2019	-----							
-----	YEAR 2020	-----							
-----	YEAR 2021	-----							
-----	YEAR 2022	-----							
-----	YEAR 2023	-----							
-----	YEAR 2024	-----							
-----	YEAR 2025	-----							
-----	YEAR 2026	-----							
-----	YEAR 2027	-----							
-----	YEAR 2028	-----							
-----	YEAR 2029	-----							
-----	YEAR 2030	-----							
-----	YEAR 2031	-----							
-----	YEAR 2032	-----							
-----	YEAR 2033	-----							
-----	YEAR 2034	-----							
-----	YEAR 2035	-----							
-----	YEAR 2036	-----							
-----	YEAR 2037	-----							
-----	YEAR 2038	-----							
-----	YEAR 2039	-----							
-----	YEAR 2040	-----							
-----	EFFLUENT	-----							
-----	THERMAL UNIT	-----							
		5 NSR S02							
		271							
		CIN_Q_HM							
		1							
		272							
		CIN_Q_15							
		1							
		273							
		CIN_Q_HM							
		2							
		274							
		CIN_Q_15							
		2							
		275							
		CIN_Q_HM							
		3							
		276							
		CIN_Q_15							
		3							
		277							
		CVI_3_HM							
		3							
-----	YEAR 2011	-----							
-----	EMISSIONS DATA AT MAXIMUM	-----							
-----	EMISSIONS DATA AT MINIMUM	-----							
-----	EMISSIONS DATA PROFILE	-----							
-----	YEAR 2012	-----	0.00	0.00	0.00	0.00	0.00	0.00	
-----	YEAR 2013	-----	0.00	0.00	0.00	0.00	0.00	0.00	
-----	YEAR 2014	-----	0	0	0	0	0	0	
-----	YEAR 2015	-----	0	0	0	0	0	0	

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	5 NSR SO2 CIN_Q_HM 1	271 CIN_Q_HM 1	272 CIN_Q_15 1	273 CIN_Q_HM 2	274 CIN_Q_15 2	275 CIN_Q_HM 3	276 CIN_Q_15 3	277 CVL_3_HM 3
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
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YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
EFFLUENT THERMAL UNIT	5 NSR SO2 CVL_3_10 3	278 GLN_5_HM 5	279 GLN_5_HM 5	280 GLN_5_15 5	281 GLN_6_HM 6	282 GLN_6_15 6	283 KMR_F_HM 1	284 KMR_F_GP 1
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0	0	0
EMISSIONS DATA PROFILE								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								

YEAR	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
EMISSIONS DATA AT MAXIMUM												
EMISSIONS DATA AT MINIMUM												
EMISSIONS DATA PROFILE												
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2013												
YEAR 2014												
YEAR 2015												
YEAR 2016												
YEAR 2017												
YEAR 2018												
YEAR 2019												
YEAR 2020												
YEAR 2021												
YEAR 2022												
YEAR 2023												
YEAR 2024												
YEAR 2025												

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

5 NSR SO2
 KMR_F_HM_285 285 KMR_F_GP_286 286 KMR_F_HM_287 287 KMR_F_GP_288 288 KWA_I_HM_289 289 KWA_I_115_290 290 KWA_2_HM_291 291

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	5 NSR SO2													
	285 KRR_F_HM 2	286 KRR_F_GP 2	287 KRR_F_HM 3	288 KRR_F_GP 3	289 KWA_1_HM 1	290 KWA_1_15 1	291 KWA_2_HM 2	292 KWA_2_15 2	293 MSKR1_HM 1	294 MSKR1_12 1	295 MSKR2_HM 2	296 MSKR2_12 2	297 MSKR3_GP 3	298 MR3HM_12 3
YEAR 2026														
YEAR 2027														
YEAR 2028														
YEAR 2029														
YEAR 2030														
YEAR 2031														
YEAR 2032														
YEAR 2033														
YEAR 2034														
YEAR 2035														
YEAR 2036														
YEAR 2037														
YEAR 2038														
YEAR 2039														
YEAR 2040														
YEAR 2011														
YEAR 2012														
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														
YEAR 2018														
YEAR 2019														
YEAR 2020														
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YEAR 2023														
YEAR 2024														
YEAR 2025														
YEAR 2026														
YEAR 2027														
YEAR 2028														
YEAR 2029														
YEAR 2030														
YEAR 2031														
YEAR 2032														
YEAR 2033														
YEAR 2034														
YEAR 2035														
YEAR 2036														
YEAR 2037														
YEAR 2038														

EMISSIONS DATA AT MAXIMUM
EMISSIONS DATA AT MINIMUM
EMISSIONS DATA PROFILE

YEAR	5 NSR SO2									
	292 KWA_2_15 2	293 MSKR1_HM 1	294 MSKR1_12 1	295 MSKR2_HM 2	296 MSKR2_12 2	297 MSKR3_GP 3	298 MR3HM_12 3	0.00	0.00	0.00
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2014	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2016	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2017	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2018	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2025	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2027	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2028	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2029	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2030	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2031	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2032	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2033	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2034	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2035	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2036	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2037	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2038	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

YEAR 2039	YEAR 2040	5 NSR SO2																						
EFFLUENT THERMAL UNIT		MSR4_GP_4	MAHM_12_4	PICWY_HM_5	PICWY_GP_5	SPL_F_HM_1	SPL_F_15_1	SP2_F_HM_2	299	300	301	302	303	304	305									
EMISSIONS DATA AT MAXIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00									
EMISSIONS DATA AT MINIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00									
EMISSIONS DATA PROFILE		0	0	0	0	0	0	0	0	0	0	0	0	0	0									
YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EPFUELVNT THERMAL UNIT		5 NSR SO2		300		301		302		303		304		305		
		MSKR4_GP	M4HM_12	PICWY_HM	PICWY_GP	SP1_F_HM	SP1_F_15	SP2_F_HM								
		4	4	5	5	1	1	2								
YEAR 2036	-----															
YEAR 2037	-----															
YEAR 2038	-----															
YEAR 2039	-----															
YEAR 2040	-----															

EPFUELVNT THERMAL UNIT		5 NSR SO2		306		307		308		309		310		311		312		
		SP2_F_15	SP3_Q_HM	SP3_Q_15	SP4_Q_HM	SP4_Q_15	SP5_HM	SP5_15										
		2	3	3	4	4	5	5										
YEAR 2011	-----	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
EMISSIONS DATA AT MAXIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00										
EMISSIONS DATA AT MINIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00										
EMISSIONS DATA PROFILE		0	0	0	0	0	0	0										
YEAR 2012	-----																	
YEAR 2013	-----																	
YEAR 2014	-----																	
YEAR 2015	-----																	
YEAR 2016	-----																	
YEAR 2017	-----																	
YEAR 2018	-----																	
YEAR 2019	-----																	
YEAR 2020	-----																	
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YEAR 2026	-----																	
YEAR 2027	-----																	
YEAR 2028	-----																	
YEAR 2029	-----																	
YEAR 2030	-----																	
YEAR 2031	-----																	
YEAR 2032	-----																	
YEAR 2033	-----																	
YEAR 2034	-----																	
YEAR 2035	-----																	
YEAR 2036	-----																	
YEAR 2037	-----																	
YEAR 2038	-----																	
YEAR 2039	-----																	
YEAR 2040	-----																	

EPFUELVNT THERMAL UNIT		5 NSR SO2		313		314		315		316		317		318		319		
		TNR_F_HM	TNR_F_15	TNR_F_HM	TNR_F_15	TNR_F_HM	TNR_F_15	TNR_F_HM	TNR_F_15	TNR_F_HM	TNR_F_15	TNR_F_HM	TNR_F_15	PW_GP_15				
		1	1	2	2	3	3	3	3	5								
YEAR 2011	-----	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00								
EMISSIONS DATA AT MAXIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00								
EMISSIONS DATA AT MINIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00								
EMISSIONS DATA PROFILE		0	0	0	0	0	0	0	0	0								
YEAR 2012	-----																	
YEAR 2013	-----																	
YEAR 2014	-----																	

----- YEAR 2015 -----
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 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

REFUELT THERMAL UNIT	5 NSR S02	320	364	500	501	502	503	958
	RHILLS 1		DUMMY_OP	DUMMY_IM	DUMMY_AP	DUMMY_KP	CC_KPCO	
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	5 NSR SO2	320 RH11s 1	364 0	500 DUMMY_OP 0	501 DUMMY_IM 0	502 DUMMY_AP 0	503 DUMMY_KP 0	958 CC_KPCO 958
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EFFLUENT THERMAL UNIT	5 NSR SO2	959 RP2D_KP 959	960 RP2D_IM 960	961 CSV6_SCR 961	962 CSV5_SCR 962	963 DUMMY_OP 963	964 DUMMY_OP 964	965 RP1D_03 965
YEAR 2011		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE		0	0	0	0	0	0	0
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								

YEAR	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
EMISSIONS DATA AT MAXIMUM	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

REFUELER	5 NSR SO2	966	967	968	969	970	971	972
THERMAL UNIT	RPID_KP	BS2_FSD	CR2_NGCC	CR1_NGCC	MRS_NGCC	DUMMY_OP	DUMMY_OP	DUMMY_OP
	966	967	968	969	970	971	972	

----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
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 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

REFUELER	5 NSR SO2	973	974	975	976	977	978	979
THERMAL UNIT	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
	973	974	975	976	977	978	979	

EMISSIONS DATA AT MAXIMUM
 EMISSIONS DATA AT MINIMUM
 EMISSIONS DATA PROFILE

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
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 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----

YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040	EFFLUENT THERMAL UNIT	5 NSR SO2	980 DUMMY OP 980	981 DUMMY OP 981	982 DUMMY OP 982	983 DUMMY OP 983	984 DUMMY OP 984	985 DUMMY OP 985	986 DUMMY OP 986
-----	-----	-----	-----	-----	-----	EMISSIONS DATA AT MAXIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
-----	-----	-----	-----	-----	-----	EMISSIONS DATA AT MINIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
-----	-----	-----	-----	-----	-----	EMISSIONS DATA PROFILE		0	0	0	0	0	0	0
-----	-----	-----	-----	-----	-----	YEAR 2011								
-----	-----	-----	-----	-----	-----	YEAR 2012								
-----	-----	-----	-----	-----	-----	YEAR 2013								
-----	-----	-----	-----	-----	-----	YEAR 2014								
-----	-----	-----	-----	-----	-----	YEAR 2015								
-----	-----	-----	-----	-----	-----	YEAR 2016								
-----	-----	-----	-----	-----	-----	YEAR 2017								
-----	-----	-----	-----	-----	-----	YEAR 2018								
-----	-----	-----	-----	-----	-----	YEAR 2019								
-----	-----	-----	-----	-----	-----	YEAR 2020								
-----	-----	-----	-----	-----	-----	YEAR 2021								
-----	-----	-----	-----	-----	-----	YEAR 2022								
-----	-----	-----	-----	-----	-----	YEAR 2023								
-----	-----	-----	-----	-----	-----	YEAR 2024								
-----	-----	-----	-----	-----	-----	YEAR 2025								
-----	-----	-----	-----	-----	-----	YEAR 2026								
-----	-----	-----	-----	-----	-----	YEAR 2027								
-----	-----	-----	-----	-----	-----	YEAR 2028								
-----	-----	-----	-----	-----	-----	YEAR 2029								
-----	-----	-----	-----	-----	-----	YEAR 2030								
-----	-----	-----	-----	-----	-----	YEAR 2031								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT		5 NSR SO2		980		981		982		983		984		985		986	
		DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
		980	980	981	981	982	982	983	983	984	984	985	985	986	986	986	986
-----	YEAR 2032																
-----	YEAR 2033																
-----	YEAR 2034																
-----	YEAR 2035																
-----	YEAR 2036																
-----	YEAR 2037																
-----	YEAR 2038																
-----	YEAR 2039																
-----	YEAR 2040																

EFFLUENT THERMAL UNIT		5 NSR SO2		987		988		989		990		991		992		993	
		DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
		987	987	988	988	989	989	990	990	991	991	992	992	993	993	993	993
-----	YEAR 2011																
-----	YEAR 2012																
-----	YEAR 2013																
-----	YEAR 2014																
-----	YEAR 2015																
-----	YEAR 2016																
-----	YEAR 2017																
-----	YEAR 2018																
-----	YEAR 2019																
-----	YEAR 2020																
-----	YEAR 2021																
-----	YEAR 2022																
-----	YEAR 2023																
-----	YEAR 2024																
-----	YEAR 2025																
-----	YEAR 2026																
-----	YEAR 2027																
-----	YEAR 2028																
-----	YEAR 2029																
-----	YEAR 2030																
-----	YEAR 2031																
-----	YEAR 2032																
-----	YEAR 2033																
-----	YEAR 2034																
-----	YEAR 2035																
-----	YEAR 2036																
-----	YEAR 2037																
-----	YEAR 2038																
-----	YEAR 2039																
-----	YEAR 2040																

EFFLUENT THERMAL UNIT		5 NSR SO2		994		995		T4_TRONA		RP2TR_KP		RP2TR_TM		999	
		DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
		994	994	995	995	996	996	997	997	998	998	999	999	999	999
-----	YEAR 2011														
-----	YEAR 2012														
-----	YEAR 2013														
-----	YEAR 2014														
-----	YEAR 2015														
-----	YEAR 2016														
-----	YEAR 2017														
-----	YEAR 2018														
-----	YEAR 2019														
-----	YEAR 2020														
-----	YEAR 2021														
-----	YEAR 2022														
-----	YEAR 2023														
-----	YEAR 2024														
-----	YEAR 2025														
-----	YEAR 2026														
-----	YEAR 2027														
-----	YEAR 2028														
-----	YEAR 2029														
-----	YEAR 2030														
-----	YEAR 2031														
-----	YEAR 2032														
-----	YEAR 2033														
-----	YEAR 2034														
-----	YEAR 2035														
-----	YEAR 2036														
-----	YEAR 2037														
-----	YEAR 2038														
-----	YEAR 2039														
-----	YEAR 2040														

4-Company East Optimization

EMISSIONS DATA PROFILE					
----- YEAR 2012 -----		0	0	0	0
----- YEAR 2013 -----					
----- YEAR 2014 -----					
----- YEAR 2015 -----					
----- YEAR 2016 -----					
----- YEAR 2017 -----					
----- YEAR 2018 -----					
----- YEAR 2019 -----					
----- YEAR 2020 -----					
----- YEAR 2021 -----					
----- YEAR 2022 -----					
----- YEAR 2023 -----					
----- YEAR 2024 -----					
----- YEAR 2025 -----					
----- YEAR 2026 -----					
----- YEAR 2027 -----					
----- YEAR 2028 -----					
----- YEAR 2029 -----					
----- YEAR 2030 -----					
----- YEAR 2031 -----					
----- YEAR 2032 -----					
----- YEAR 2033 -----					
----- YEAR 2034 -----					
----- YEAR 2035 -----					
----- YEAR 2036 -----					
----- YEAR 2037 -----					
----- YEAR 2038 -----					
----- YEAR 2039 -----					
----- YEAR 2040 -----					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	6 HG (E)													
	AMOS 1	AMOS 2	AMOS_OP 3	BECKJORD 6	BIG SAND 1	BIG SAND 2	CARD 1+2 1	AMOS 1	AMOS 2	AMOS_OP 3	BECKJORD 6	BIG SAND 1	BIG SAND 2	CARD 1+2 1
YEAR 2011	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00
EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EMISSIONS DATA PROFILE														
YEAR 2012														
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														
YEAR 2018														
YEAR 2019														
YEAR 2020														
YEAR 2021														
YEAR 2022														
YEAR 2023														
YEAR 2024														
YEAR 2025														
YEAR 2026														
YEAR 2027														
YEAR 2028														
YEAR 2029														
YEAR 2030														
YEAR 2031														
YEAR 2032														
YEAR 2033														
YEAR 2034														
YEAR 2035														
YEAR 2036														
YEAR 2037														
YEAR 2038														
YEAR 2039														
YEAR 2040														
EFFLUENT THERMAL UNIT	8	9	10	11	12	13	14	8	9	10	11	12	13	14
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0

----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

EFFLUENT THERMAL UNIT		6 HG (E)		15		16		17		18		19		20		21	
		CHIPTY	CLINCH	CLINCH	CLINCH	ROCKP	ROCKP	ROCKP	ROCKP	ROCKP	ROCKP	ROCKP	ROCKP	ROCKP	ROCKP	ROCKP	ROCKP
		6	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
-----	YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
-----	EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
-----	EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-----	EMISSIONS DATA PROFILE																
-----	YEAR 2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
-----	EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
-----	EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
-----	YEAR 2013																
-----	YEAR 2014																
-----	YEAR 2015																
-----	YEAR 2016																
-----	YEAR 2017																
-----	YEAR 2018																

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	6 HG (E)	15 CLIFTY 6	16 CLINCH R 1	17 CLINCH R 2	18 CLINCH R 3	19 ROCKP_KP 1	20 ROCKP_KP 2	21 CSVL 1-4 3
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EFFLUENT THERMAL UNIT	22 CSVL 1-4 4	23 CSVL 5+6 5	24 CSVL 5+6 6	25 D C COOK 1	26 D C COOK 2	27 GAVIN 1	28 GAVIN 2
YEAR 2011							
EMISSIONS DATA AT MAXIMUM	0.00	0.01	0.01	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.01	0.01	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0

YEAR 2012	
YEAR 2013	
YEAR 2014	
YEAR 2015	
YEAR 2016	
YEAR 2017	
YEAR 2018	
YEAR 2019	
YEAR 2020	
YEAR 2021	
YEAR 2022	
YEAR 2023	
YEAR 2024	
YEAR 2025	
YEAR 2026	
YEAR 2027	
YEAR 2028	
YEAR 2029	
YEAR 2030	
YEAR 2031	

YEAR	2032	2033	2034	2035	2036	2037	2038	2039	2040
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0	0

YEAR	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

EFFLUENT
THERMAL UNIT

6 HG (B)

29 GLEN LYN 5
30 GLEN LYN 6
33 KAMMER 1
34 KAMMER 2
35 KAMMER 3
36 KANAMHA 1
37 KANAMHA 2

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

REFUELER THERMAL UNIT	6 HG (E)	29 GLEN LYN 5	30 GLEN LYN 6	33 KAWMER 1	34 KAWMER 2	35 KAWMER 3	36 KANAWHA 1	37 KANAWHA 2
YEAR 2029	---	---	---	---	---	---	---	---
YEAR 2030	---	---	---	---	---	---	---	---
YEAR 2031	---	---	---	---	---	---	---	---
YEAR 2032	---	---	---	---	---	---	---	---
YEAR 2033	---	---	---	---	---	---	---	---
YEAR 2034	---	---	---	---	---	---	---	---
YEAR 2035	---	---	---	---	---	---	---	---
YEAR 2036	---	---	---	---	---	---	---	---
YEAR 2037	---	---	---	---	---	---	---	---
YEAR 2038	---	---	---	---	---	---	---	---
YEAR 2039	---	---	---	---	---	---	---	---
YEAR 2040	---	---	---	---	---	---	---	---

REFUELER THERMAL UNIT	6 HG (E)	38 KYGER 1	39 KYGER 2	40 KYGER 3	41 KYGER 4	42 KYGER 5	43 MITCHELL 1	44 MITCHELL 2
YEAR 2011	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	---	0	0	0	0	0	0	0
EMISSIONS DATA PROFILE	---	---	---	---	---	---	---	---
YEAR 2012	---	---	---	---	---	---	---	---
YEAR 2013	---	---	---	---	---	---	---	---
YEAR 2014	---	---	---	---	---	---	---	---
YEAR 2015	---	---	---	---	---	---	---	---
YEAR 2016	---	---	---	---	---	---	---	---
YEAR 2017	---	---	---	---	---	---	---	---
YEAR 2018	---	---	---	---	---	---	---	---
YEAR 2019	---	---	---	---	---	---	---	---
YEAR 2020	---	---	---	---	---	---	---	---
YEAR 2021	---	---	---	---	---	---	---	---
YEAR 2022	---	---	---	---	---	---	---	---
YEAR 2023	---	---	---	---	---	---	---	---
YEAR 2024	---	---	---	---	---	---	---	---
YEAR 2025	---	---	---	---	---	---	---	---
YEAR 2026	---	---	---	---	---	---	---	---
YEAR 2027	---	---	---	---	---	---	---	---
YEAR 2028	---	---	---	---	---	---	---	---
YEAR 2029	---	---	---	---	---	---	---	---
YEAR 2030	---	---	---	---	---	---	---	---
YEAR 2031	---	---	---	---	---	---	---	---
YEAR 2032	---	---	---	---	---	---	---	---
YEAR 2033	---	---	---	---	---	---	---	---
YEAR 2034	---	---	---	---	---	---	---	---
YEAR 2035	---	---	---	---	---	---	---	---
YEAR 2036	---	---	---	---	---	---	---	---
YEAR 2037	---	---	---	---	---	---	---	---
YEAR 2038	---	---	---	---	---	---	---	---
YEAR 2039	---	---	---	---	---	---	---	---
YEAR 2040	---	---	---	---	---	---	---	---

REFUELER THERMAL UNIT	6 HG (E)	45	46	47	48	49	50	51
YEAR 2040	---	---	---	---	---	---	---	---

4-Company East Optimization

YEAR	EMISSIONS DATA AT MAXIMUM	EMISSIONS DATA AT MINIMUM	EMISSIONS DATA PROFILE	MOUNT_ER_1	MUSK_RVR_1	MUSK_RVR_2	MUSK_RVR_3	MUSK_RVR_4	MUSK_RVR_5	P_SPOEN_1
YEAR 2011	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
YEAR 2012	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
YEAR 2013	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
YEAR 2014	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
YEAR 2015	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
YEAR 2016	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
YEAR 2017	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
YEAR 2018	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
YEAR 2019	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
YEAR 2020	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
YEAR 2021	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
YEAR 2022	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
YEAR 2023	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
YEAR 2024	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
YEAR 2025	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
YEAR 2026	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
YEAR 2027	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
YEAR 2028	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
YEAR 2029	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
YEAR 2030	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
YEAR 2031	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
YEAR 2032	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
YEAR 2033	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
YEAR 2034	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
YEAR 2035	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
YEAR 2036	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
YEAR 2037	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
YEAR 2038	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP-EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT
THERMAL UNIT

6 HG (E)	45	46	47	48	49	50	51
MOUNT_ER	1	1	2	3	4	5	1
MUSK_RVR							

YEAR 2039
YEAR 2040

EFFLUENT
THERMAL UNIT

6 HG (E)	52	53	54	55	56	57	58
P_SPOBN	2	3	4	5	5	1	1
P_SPOBN							
PICMAX							
RPRRT_IM							
RPRUN_IM							

YEAR 2011
EMISSIONS DATA AT MAXIMUM
EMISSIONS DATA AT MINIMUM
EMISSIONS DATA PROFILE

0.01	0.01	0.01	0.01	0.01	0.02	0.00	0.00
0.01	0.01	0.01	0.01	0.01	0.02	0.00	0.00
0	0	0	0	0	0	0	0

YEAR 2012
YEAR 2013
YEAR 2014
YEAR 2015
YEAR 2016
YEAR 2017
YEAR 2018
YEAR 2019
YEAR 2020
YEAR 2021
YEAR 2022
YEAR 2023
YEAR 2024
YEAR 2025
YEAR 2026
YEAR 2027
YEAR 2028
YEAR 2029
YEAR 2030
YEAR 2031
YEAR 2032
YEAR 2033
YEAR 2034
YEAR 2035
YEAR 2036
YEAR 2037
YEAR 2038
YEAR 2039
YEAR 2040

EFFLUENT
THERMAL UNIT

6 HG (E)	59	61	62	63	64	65	66
ROCKP_IM	2	1	2	3	4	3	1-3
STUART							
STUART							
AMOS_AP							
TRANN							

YEAR 2011
EMISSIONS DATA AT MAXIMUM
EMISSIONS DATA AT MINIMUM
EMISSIONS DATA PROFILE

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0	0	0	0	0

YEAR 2012
YEAR 2013
YEAR 2014
YEAR 2015
YEAR 2016
YEAR 2017

----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
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 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

EMISSIONS DATA AT MAXIMUM	6 HG (E)	67	68	69	70	71	72	73
EMISSIONS DATA AT MINIMUM	TANN 1-3	TANN 1-3	TANN 4	ZIMMER 1	ROBTWONE 1	ROBTWONE 2	ROBTWONE 3	
EMISSIONS DATA PROFILE	2	3	4	1	1	2	3	
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2013	0	0	0	0	0	0	0	0
YEAR 2014	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	6 HG (E)							
	TANN 1-3 2	TANN 1-3 3	TANN 4 4	ZIMMER 1	ROBTMONE 1	ROBTMONE 2	ROBTMONE 3	
YEAR 2015	67	68	69	70	71	72	73	
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
EFFLUENT THERMAL UNIT	6 HG (E)							
	CEREDO 1	CEREDO 2	CEREDO 3	CEREDO 4	CEREDO 5	CEREDO 6	DARBY 1	
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0	0	0
EMISSIONS DATA PROFILE								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								

-----	YEAR 2028	-----									
-----	YEAR 2029	-----									
-----	YEAR 2030	-----									
-----	YEAR 2031	-----									
-----	YEAR 2032	-----									
-----	YEAR 2033	-----									
-----	YEAR 2034	-----									
-----	YEAR 2035	-----									
-----	YEAR 2036	-----									
-----	YEAR 2037	-----									
-----	YEAR 2038	-----									
-----	YEAR 2039	-----									
-----	YEAR 2040	-----									
-----	EFLUENT	-----	6 HG (B)								
-----	THERMAL UNIT	-----									
			DARBY 82	DARBY 83	DARBY 84	DARBY 85	DARBY 86	LMBG WIN 87	LMBG WIN 88		
			2	3	4	5	6	1	2		
-----	YEAR 2011	-----	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
-----	EMISSIONS DATA AT MAXIMUM	-----	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
-----	EMISSIONS DATA AT MINIMUM	-----	0	0	0	0	0	0	0		
-----	EMISSIONS DATA PROFILE	-----									
-----	YEAR 2012	-----									
-----	YEAR 2013	-----									
-----	YEAR 2014	-----									
-----	YEAR 2015	-----									
-----	YEAR 2016	-----									
-----	YEAR 2017	-----									
-----	YEAR 2018	-----									
-----	YEAR 2019	-----									
-----	YEAR 2020	-----									
-----	YEAR 2021	-----									
-----	YEAR 2022	-----									
-----	YEAR 2023	-----									
-----	YEAR 2024	-----									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

REFUELED THERMAL UNIT	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
	82	83	84	85	86	87	88									
	DARBY 2	DARBY 3	DARBY 4	DARBY 5	DARBY 6	LMBG WIN 1	LMBG WIN 2									
6 HG (E)																

EFFLUENT THERMAL UNIT	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037
	89	90	91	92	93	94	101																				
	LMBG SMR 1	LMBG SMR 2	WATR CC 1	WATR2 1	DRESDEN 1	DRESD2 1	NUCLEAR 1																				
6 HG (E)																											
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00																				
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00																				
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0																				

YEAR	2038	2039	2040	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	
EMISSIONS DATA AT MAXIMUM																												
EMISSIONS DATA AT MINIMUM																												
EMISSIONS DATA PROFILE																												
				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EMISSIONS DATA AT MAXIMUM																												
EMISSIONS DATA AT MINIMUM																												
EMISSIONS DATA PROFILE																												
				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT		6 HG (E)													
YEAR 2035		UPC_NCCS	102	PC_UL_SU	103	UPC_RCCS	104	IGC_NCCS	105	IGCC_GE	106	IGC_RCCS	107	CC_2X1FB	108
---			1		1		1		1		1		1		
YEAR 2036															
YEAR 2037															
YEAR 2038															
YEAR 2039															
YEAR 2040															

EFFLUENT THERMAL UNIT		6 HG (E)													
YEAR 2011		CC_2X1FA	109	CC_1X17H	110	BS2_CC	111	CF_GE7FA	114	CT_GE7FA	115	BS2_FGD	124	BS1_FGD	125
---			1		1		1		1		1		2		1
EMISSIONS DATA AT MAXIMUM			0.00		0.00		0.00		0.00		0.00		0.00		0.01
EMISSIONS DATA AT MINIMUM			0.00		0.00		0.00		0.00		0.00		0.00		0.01
EMISSIONS DATA PROFILE			0		0		0		0		0		0		0
YEAR 2012															
YEAR 2013															
YEAR 2014															
YEAR 2015															
YEAR 2016															
YEAR 2017															
YEAR 2018															
YEAR 2019															
YEAR 2020															
YEAR 2021															
YEAR 2022															
YEAR 2023															
YEAR 2024															
YEAR 2025															
YEAR 2026															
YEAR 2027															
YEAR 2028															
YEAR 2029															
YEAR 2030															
YEAR 2031															
YEAR 2032															
YEAR 2033															
YEAR 2034															
YEAR 2035															
YEAR 2036															
YEAR 2037															
YEAR 2038															
YEAR 2039															
YEAR 2040															

EFFLUENT THERMAL UNIT		6 HG (E)													
YEAR 2011		CSV5_SCR	126	CSV6_SCR	127	CR1_NGCC	129	CR2_NGCC	130	MRS5_NGCC	131	MRS5_FGD	132	RP1D_IM	133
---			5		6		1		2		5		5		1
EMISSIONS DATA AT MAXIMUM			0.00		0.00		0.00		0.00		0.00		0.00		0.00
EMISSIONS DATA AT MINIMUM			0.00		0.00		0.00		0.00		0.00		0.00		0.00
EMISSIONS DATA PROFILE			0		0		0		0		0		0		0
YEAR 2012															
YEAR 2013															

----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
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 ----- YEAR 2023 -----
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 ----- YEAR 2026 -----
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 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

EFFLUENT THERMAL UNIT	6 HG (E)	134 RP2D_IM 2	135 TAN4_FGD 4	136 RP1D_KP 1	137 RP2D_KP 2	144 TC4_ESP 4	145 A390%AP 3	146 A390%OP 3
EMISSIONS DATA AT MAXIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAR.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT	6 HG (E)	134 RP2D_IM 2	135 TAN4_FGD 4	136 RP1D_KP 1	137 RP2D_KP 2	144 TC4_ESP 4	145 A390% AP 3	146 A390%OP .3
YEAR 2011	0	0	0	0	0	0	0	0
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
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YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

EFFLUENT THERMAL UNIT	6 HG (E)	147 MTN_90% 1	148 RPT1_90% 1	149 RPT2_90% 2	150 GVL_90% 1	151 GV2_90% 2	153 MTN_18% 1	154 CC_PA_KP 1
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0	0	0	0	0	0	0	0
EMISSIONS DATA PROFILE								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								

----- YEAR 2024 -----
 ----- YEAR 2025 -----
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 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

REFUELMENT
 THERMAL UNIT

6 HG (E)

	155	156	157	158	159	160	161
	CT_OHIO	CC_OH	CT_I&M	CC_I&M	CT_APCO	CC_APCO	CT_KPCO
	1	1	1	1	1	1	1
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0

----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

REFUELER THERMAL UNIT	6 HG (E)	155	156	157	158	159	160	161
	CT_OHIO	CC_OH	CT_I&M	CC_I&M	CT_APCO	CC_APCO	CT_KPCO	
	1	1	1	1	1	1	1	

----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

REFUELER THERMAL UNIT	6 HG (E)	162	163	164	165	166	168	169
	CC_KPCO	BS2_FGD	BS2_FGD	BS2_FGD	BS2_FGD	BS2_FGD	IGCC_AP	PC_UL_AP
	1	1	5	22	23	1	1	1
EMISSIONS DATA AT MAXIMUM	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
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 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----

----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

EFFLUENT
 THERMAL UNIT

6 HG (E)

NUKE_AP	IGCC IM	PC_UH_IM	NUKE_IM	IGCC KP	PC_UH_KP	NUKE_KP
170	171	172	173	174	175	176
1	1	1	1	1	1	1
0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0	0	0	0

----- YEAR 2011 -----
 EMISSIONS DATA AT MAXIMUM
 EMISSIONS DATA AT MINIMUM
 EMISSIONS DATA PROFILE

----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT		6 HG (E)		170		171		172		173		174		175		176	
		NUKE_AP	IGCC_IM	PC_UL_IM	NUKE_IM	IGCC_KP	PC_UL_KP	NUKE_KP	IGCC_KP	PC_UL_KP	NUKE_KP	IGCC_KP	PC_UL_KP	NUKE_KP	IGCC_KP	PC_UL_KP	NUKE_KP
YEAR 2031		1															
YEAR 2032																	
YEAR 2033																	
YEAR 2034																	
YEAR 2035																	
YEAR 2036																	
YEAR 2037																	
YEAR 2038																	
YEAR 2039																	
YEAR 2040																	

EFFLUENT THERMAL UNIT		6 HG (E)		177		178		179		181		182		183		184		
		IGCC_OH	PC_UL_OH	NUKE_OH	RPID_03	RPID_04	RPID_08	RPID_20	IGCC_OH	PC_UL_OH	NUKE_OH	RPID_03	RPID_04	RPID_08	RPID_20	IGCC_OH	PC_UL_OH	NUKE_OH
YEAR 2011		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2013																		
YEAR 2014																		
YEAR 2015																		
YEAR 2016																		
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YEAR 2036																		
YEAR 2037																		
YEAR 2038																		
YEAR 2039																		
YEAR 2040																		

EFFLUENT THERMAL UNIT		6 HG (E)		186		187		188		189		190		191		201			
		RP1TR_IM	RP2TR_IM	RP1TR_KP	RP2TR_KP	T4_TRONA	T4_TRCCR	RP1TR_KP	RP2TR_KP	T4_TRONA	T4_TRCCR	RP1TR_KP	RP2TR_KP	T4_TRONA	T4_TRCCR	RP1TR_KP	RP2TR_KP	T4_TRONA	T4_TRCCR
YEAR 2011		1	2	1	2	4	4	1	2	4	4	1	2	4	4	1	2	4	4

4-Company East Optimization

EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0
----- YEAR 2012 -----						
----- YEAR 2013 -----						
----- YEAR 2014 -----						
----- YEAR 2015 -----						
----- YEAR 2016 -----						
----- YEAR 2017 -----						
----- YEAR 2018 -----						
----- YEAR 2019 -----						
----- YEAR 2020 -----						
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----- YEAR 2039 -----						
----- YEAR 2040 -----						

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT		6 HG (E)													
YEAR	EMISSIONS DATA AT MAXIMUM EMISSIONS DATA AT MINIMUM EMISSIONS DATA PROFILE	MR_STKR1 1	MR_STKR2 1	AMS3_SI 3	BS2_SI 2	MRS_CF 5	MRS_SI 5	RPT1_CF 1	RPT2_CF 2	RPT1_SI 1	RPT2_SI 2	DC1_HPR 1	DC1_IS 1	DC1_EPF 1	DC1_I17 1
YEAR 2011	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2013	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2014	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2015	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2016	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2017	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2018	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2019	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2020	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2021	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2022	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2023	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2024	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2025	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2026	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2027	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2028	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2029	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2030	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2031	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2032	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2033	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2034	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2035	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2036	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2037	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2038	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2039	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2040	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

EFFLUENT
 THERMAL UNIT

6 HG (E)

	DC1_3800	DC2_HPT	DC2_EFF	DC2_SPU	DC2_3800	BIGSD_15	BIGSD_GP
	255	257	258	259	260	269	270
	1	2	2	2	2	1	1
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.01	0.01
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.01	0.01
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

ABE EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT
THERMAL UNIT

6 HG (E)	255	257	258	259	260	269	270
DC1_3800	DC2_HPT	DC2_EFF	DC2_SPU	DC2_3800	BIGSD_15	BIGSD_GP	
1	2	2	2	2	1	1	

YEAR 2020	-----
YEAR 2021	-----
YEAR 2022	-----
YEAR 2023	-----
YEAR 2024	-----
YEAR 2025	-----
YEAR 2026	-----
YEAR 2027	-----
YEAR 2028	-----
YEAR 2029	-----
YEAR 2030	-----
YEAR 2031	-----
YEAR 2032	-----
YEAR 2033	-----
YEAR 2034	-----
YEAR 2035	-----
YEAR 2036	-----
YEAR 2037	-----
YEAR 2038	-----
YEAR 2039	-----
YEAR 2040	-----

EFFLUENT
THERMAL UNIT

6 HG (E)	271	272	273	274	275	276	277
CLN_Q_HM	CLN_Q_15	CLN_Q_HM	CLN_Q_15	CLN_Q_HM	CLN_Q_15	CVL_3_HM	
1	1	2	2	3	3	3	

YEAR 2011	-----
YEAR 2012	-----
YEAR 2013	-----
YEAR 2014	-----
YEAR 2015	-----
YEAR 2016	-----
YEAR 2017	-----
YEAR 2018	-----
YEAR 2019	-----
YEAR 2020	-----
YEAR 2021	-----
YEAR 2022	-----
YEAR 2023	-----
YEAR 2024	-----
YEAR 2025	-----
YEAR 2026	-----
YEAR 2027	-----
YEAR 2028	-----
YEAR 2029	-----
YEAR 2030	-----
YEAR 2031	-----
YEAR 2032	-----

EMISSIONS DATA AT MAXIMUM	0.00
EMISSIONS DATA AT MINIMUM	0.00
EMISSIONS DATA PROFILE	0

YEAR	2033	2034	2035	2036	2037	2038	2039	2040
EMISSIONS DATA AT MAXIMUM								
EMISSIONS DATA AT MINIMUM								
EMISSIONS DATA PROFILE								
YEAR 2011	278	279	280	281	282	283	284	
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

REFUELER THERMAL UNIT	6 HG (E)	278	279	280	281	282	283	284
YEAR 2030	CVL_3_10	278	GLN_5_HM	GLN_5_15	GLN_6_HM	GLN_6_15	KWR_F_HM	KWR_F_GP
YEAR 2031			5	5	6	6	1	1
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

REFUELER THERMAL UNIT	6 HG (E)	285	286	287	288	289	290	291
YEAR 2011	KWR_F_HM	285	KWR_F_GP	KWR_F_HM	KWR_F_GP	KWA_1_HM	KWA_1_15	KWA_2_HM
YEAR 2012		2	2	3	3	1	1	2
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

REFUELER THERMAL UNIT	6 HG (E)	292	293	294	295	296	297	298
YEAR 2011	KWA_2_15	292	MSKR1_HM	MSKR1_12	MSKR2_HM	MSKR2_12	MSKR3_GP	MR3HM_12
YEAR 2012		2	1	1	2	2	3	3
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

REFUELER THERMAL UNIT	6 HG (E)	292	293	294	295	296	297	298
YEAR 2011	KWA_2_15	292	MSKR1_HM	MSKR1_12	MSKR2_HM	MSKR2_12	MSKR3_GP	MR3HM_12
YEAR 2012		2	1	1	2	2	3	3
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

4-Company East Optimization

YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039
EMISSIONS DATA AT MAXIMUM	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
EMISSIONS DATA AT MINIMUM	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT		YEAR 2040	
6 HG (E)		292	293
KWA_2_15	MSKRI_HM_1	MSKRI_12_1	MSKRI_12_1
292	293	294	295
MSKR4_GP_4	M4HM_12_4	PICWX_HM_5	PICWX_GP_5
299	300	301	302
0.01	0.01	0.02	0.02
0.01	0.01	0.02	0.02
0	0	0	0
SP1_F_HM_1	SP1_F_15_1	SP1_F_15_1	SP2_F_HM_2
303	304	305	305
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0	0	0	0

EFFLUENT THERMAL UNIT		YEAR 2040	
6 HG (E)		306	307
SP2_F_15_2	SP3_Q_HM_3	SP3_Q_15_3	SP4_Q_HM_4
306	307	308	309
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0	0	0	0
SP4_Q_15_4	SP5_HM_5	SP5_15_5	312
310	311	312	312
0.00	0.01	0.01	0.01
0.00	0.01	0.01	0.01
0	0	0	0

EFFLUENT THERMAL UNIT

6 HG (E)

EMISSIONS DATA AT MAXIMUM		YEAR 2011	
SP2_F_15_2	SP3_Q_HM_3	0.00	0.00
0.00	0.00	0.00	0.00
0	0	0	0

EMISSIONS DATA AT MINIMUM
EMISSIONS DATA PROFILE
YEAR 2012
YEAR 2013
YEAR 2014
YEAR 2015
YEAR 2016
YEAR 2017
YEAR 2018

----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

EFFLUENT
 THERMAL UNIT

6 HG (E)	313	314	315	316	317	318	319
TNR_F_HM	1	1	2	2	3	3	5
	0.00	0.00	0.00	0.00	0.00	0.00	0.02
	0.00	0.00	0.00	0.00	0.00	0.00	0.02
	0	0	0	0	0	0	0

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----

EMISSIONS DATA AT MAXIMUM
 EMISSIONS DATA AT MINIMUM
 EMISSIONS DATA PROFILE

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

REFUELER THERMAL UNIT	6 HG (E)	313 TNR_F_HM 1	314 TNR_F_I5 1	315 TNR_F_HM 2	316 TNR_F_I5 2	317 TNR_F_HM 3	318 TNR_F_I5 3	319 PW_GP_I5 5
YEAR 2016	---	---	---	---	---	---	---	---
YEAR 2017	---	---	---	---	---	---	---	---
YEAR 2018	---	---	---	---	---	---	---	---
YEAR 2019	---	---	---	---	---	---	---	---
YEAR 2020	---	---	---	---	---	---	---	---
YEAR 2021	---	---	---	---	---	---	---	---
YEAR 2022	---	---	---	---	---	---	---	---
YEAR 2023	---	---	---	---	---	---	---	---
YEAR 2024	---	---	---	---	---	---	---	---
YEAR 2025	---	---	---	---	---	---	---	---
YEAR 2026	---	---	---	---	---	---	---	---
YEAR 2027	---	---	---	---	---	---	---	---
YEAR 2028	---	---	---	---	---	---	---	---
YEAR 2029	---	---	---	---	---	---	---	---
YEAR 2030	---	---	---	---	---	---	---	---
YEAR 2031	---	---	---	---	---	---	---	---
YEAR 2032	---	---	---	---	---	---	---	---
YEAR 2033	---	---	---	---	---	---	---	---
YEAR 2034	---	---	---	---	---	---	---	---
YEAR 2035	---	---	---	---	---	---	---	---
YEAR 2036	---	---	---	---	---	---	---	---
YEAR 2037	---	---	---	---	---	---	---	---
YEAR 2038	---	---	---	---	---	---	---	---
YEAR 2039	---	---	---	---	---	---	---	---
YEAR 2040	---	---	---	---	---	---	---	---

REFUELER THERMAL UNIT	6 HG (E)	320 RH115_1	364 0	500 DOWMT_OP 0	501 DOWMT_IA 0	502 DOWMT_AP 0	503 DOWMT_KP 0	958 CC_KPCO 958
YEAR 2011	---	0.00	90.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MAXIMUM	---	0.00	90.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	---	0	0	0	0	0	0	0
EMISSIONS DATA PROFILE	---	0	0	0	0	0	0	0

YEAR 2012	---	---	---	---	---	---	---	---
YEAR 2013	---	---	---	---	---	---	---	---
YEAR 2014	---	---	---	---	---	---	---	---
YEAR 2015	---	---	---	---	---	---	---	---
YEAR 2016	---	---	---	---	---	---	---	---
YEAR 2017	---	---	---	---	---	---	---	---
YEAR 2018	---	---	---	---	---	---	---	---
YEAR 2019	---	---	---	---	---	---	---	---
YEAR 2020	---	---	---	---	---	---	---	---
YEAR 2021	---	---	---	---	---	---	---	---
YEAR 2022	---	---	---	---	---	---	---	---
YEAR 2023	---	---	---	---	---	---	---	---
YEAR 2024	---	---	---	---	---	---	---	---
YEAR 2025	---	---	---	---	---	---	---	---
YEAR 2026	---	---	---	---	---	---	---	---
YEAR 2027	---	---	---	---	---	---	---	---
YEAR 2028	---	---	---	---	---	---	---	---

YEAR	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
EMISSIONS DATA AT MAXIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2014	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2016	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2017	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2018	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2025	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

PERUENT
THERMAL UNIT

6 HG (E)

RP2D_KP 959	RP2D_TM 960	CSV6_SCR 961	CSV5_SCR 962	DUMMY_OP 963	DUMMY_OP 964	RP1D_O3 965
0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0	0	0	0

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT
THERMAL UNIT

YEAR	959	960	961	962	963	964	965
YEAR 2026	RP2D_KP_959	RP2D_IM_960	CSV6_SCR_961	CSV5_SCR_962	DUMMY_OP_963	DUMMY_OP_964	RP1D_03_965

YEAR 2027
YEAR 2028
YEAR 2029
YEAR 2030
YEAR 2031
YEAR 2032
YEAR 2033
YEAR 2034
YEAR 2035
YEAR 2036
YEAR 2037
YEAR 2038
YEAR 2039
YEAR 2040

EFFLUENT
THERMAL UNIT

YEAR	966	967	968	969	970	971	972
YEAR 2011	RP1D_KP_966	BS2_FGD_967	CR2_NGSC_968	CRI_NGSC_969	MRS_NGSC_970	DUMMY_OP_971	DUMMY_OP_972
YEAR 2012	0.00	0.01	0.00	0.00	0.00	0.00	0.00
YEAR 2013	0.00	0.01	0.00	0.00	0.00	0.00	0.00
YEAR 2014	0	0	0	0	0	0	0
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

YEAR	966	967	968	969	970	971	972
YEAR 2011	EMISSIONS DATA AT MAXIMUM	EMISSIONS DATA AT MINIMUM	EMISSIONS DATA PROFILE				
YEAR 2012	0.00	0.01	0.00	0.00	0.00	0.00	0.00
YEAR 2013	0.00	0.01	0.00	0.00	0.00	0.00	0.00
YEAR 2014	0	0	0	0	0	0	0
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							

4-Company East Optimization

YEAR 2039	YEAR 2040	6 HG (B)						
EFFLUENT THERMAL UNIT		973	974	975	976	977	978	979
		DUMMY OP 973	DUMMY OP 974	DUMMY OP 975	DUMMY OP 976	DUMMY OP 977	DUMMY OP 978	DUMMY OP 979
EMISSIONS DATA AT MAXIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA AT MINIMUM		0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMISSIONS DATA PROFILE		0	0	0	0	0	0	0
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

EFFLUENT THERMAL UNIT		6 HG (E)		EFFLUENT THERMAL UNIT		6 HG (E)	
YEAR 2036	973	974	975	976	977	978	979
EMISSIONS DATA AT MAXIMUM	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
EMISSIONS DATA AT MINIMUM	973	974	975	976	977	978	979
EMISSIONS DATA PROFILE	0	0	0	0	0	0	0
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

EFFLUENT THERMAL UNIT		6 HG (E)		EFFLUENT THERMAL UNIT		6 HG (E)	
YEAR 2011	980	981	982	983	984	985	986
EMISSIONS DATA AT MAXIMUM	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
EMISSIONS DATA AT MINIMUM	980	981	982	983	984	985	986
EMISSIONS DATA PROFILE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012	0	0	0	0	0	0	0
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

EFFLUENT THERMAL UNIT		6 HG (E)		EFFLUENT THERMAL UNIT		6 HG (E)	
YEAR 2011	987	988	989	990	991	992	993
EMISSIONS DATA AT MAXIMUM	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
EMISSIONS DATA AT MINIMUM	987	988	989	990	991	992	993
EMISSIONS DATA PROFILE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012	0	0	0	0	0	0	0
YEAR 2013							
YEAR 2014							

----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

EPIUBENT THERMAL UNIT		6 HG (E)						
		994 DUMMY_OP 994	995 DUMMY_OP 995	T4_TRONA 996 996	997 RP2TR_KP 997	998 RP2TR_IM 998	999 DUMMY_OP 999	
EMISSIONS DATA AT MAXIMUM	YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA AT MINIMUM		0.00	0.00	0.00	0.00	0.00	0.00	
EMISSIONS DATA PROFILE		0	0	0	0	0	0	

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

REPLIEN THERMAL UNIT	6 HG (E)					
	994	995	996	997	998	999
	DUMMY_OP 994	DUMMY_OP 995	T4_TRONA 996	RP2TR_KP 997	RP2TR_IM 998	DUMMY_OP 999
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

----- THERMAL UNIT 3 AMOS_OP 1 3 2 3
 UNIT FUELS

----- YEAR 2011 -----
 MINIMUM BURR FCI 100.00 0.00 0.00
 UNIT FUEL AUXILIARY COSTS \$/MBTU 0.08 0.00 0.00
 UNIT FUEL TYPE FUEL ID 3 0 0

----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	3	AMOS_OP	1	2	3
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT 4 BECKJORD 1 6 2 3
UNIT FUELS

YEAR 2011	%	100.00	0.00	0.00
MINIMUM BURN PCT	\$/MBTU	0.11	0.00	0.00
UNIT FUEL AUXILIARY COSTS	FUEL ID	4	0	0
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT
UNIT FUELS

YEAR 2036 -----

YEAR 2037 -----

YEAR 2038 -----

YEAR 2039 -----

YEAR 2040 -----

5 BIG SAND 1 2 3

THERMAL UNIT
UNIT FUELS

YEAR 2011 -----

YEAR 2012 -----

YEAR 2013 -----

YEAR 2014 -----

YEAR 2015 -----

YEAR 2016 -----

YEAR 2017 -----

YEAR 2018 -----

YEAR 2019 -----

YEAR 2020 -----

YEAR 2021 -----

YEAR 2022 -----

YEAR 2023 -----

YEAR 2024 -----

YEAR 2025 -----

YEAR 2026 -----

YEAR 2027 -----

YEAR 2028 -----

YEAR 2029 -----

YEAR 2030 -----

YEAR 2031 -----

YEAR 2032 -----

YEAR 2033 -----

YEAR 2034 -----

YEAR 2035 -----

YEAR 2036 -----

YEAR 2037 -----

YEAR 2038 -----

YEAR 2039 -----

YEAR 2040 -----

6 BIG SAND 1 2 3

MINIMUM BURN PCT
UNIT FUEL, AUXILIARY COSTS
UNIT FUEL, TYPE

YEAR 2012 -----

YEAR 2013 -----

YEAR 2014 -----

YEAR 2015 -----

YEAR 2016 -----

YEAR 2017 -----

YEAR 2018 -----

YEAR 2019 -----

YEAR 2020 -----

YEAR 2021 -----

YEAR 2022 -----

YEAR 2023 -----

YEAR 2024 -----

YEAR 2025 -----

YEAR 2026 -----

YEAR 2027 -----

YEAR 2028 -----

YEAR 2029 -----

YEAR 2030 -----

YEAR 2031 -----

YEAR 2032 -----

YEAR 2033 -----

YEAR 2034 -----

YEAR 2035 -----

YEAR 2036 -----

YEAR 2037 -----

YEAR 2038 -----

YEAR 2039 -----

YEAR 2040 -----

% \$/MBTU 100.00 0.00 0.00
FUEL ID 0.05 0.00 0.00
6 0 0

THERMAL UNIT
UNIT FUELS

YEAR 2011 -----

YEAR 2012 -----

YEAR 2013 -----

YEAR 2014 -----

YEAR 2015 -----

YEAR 2016 -----

YEAR 2017 -----

7 CARD 1+2 1 2 3

MINIMUM BURN PCT
UNIT FUEL, AUXILIARY COSTS
UNIT FUEL, TYPE

YEAR 2012 -----

YEAR 2013 -----

YEAR 2014 -----

YEAR 2015 -----

YEAR 2016 -----

YEAR 2017 -----

% \$/MBTU 0.00 0.00 0.00
FUEL ID 0.08 0.00 0.00
7 0 0

YEAR 2012 -----

YEAR 2013 -----

YEAR 2014 -----

YEAR 2015 -----

YEAR 2016 -----

YEAR 2017 -----

-----	YEAR 2018	-----
-----	YEAR 2019	-----
-----	YEAR 2020	-----
-----	YEAR 2021	-----
-----	YEAR 2022	-----
-----	YEAR 2023	-----
-----	YEAR 2024	-----
-----	YEAR 2025	-----
-----	YEAR 2026	-----
-----	YEAR 2027	-----
-----	YEAR 2028	-----
-----	YEAR 2029	-----
-----	YEAR 2030	-----
-----	YEAR 2031	-----
-----	YEAR 2032	-----
-----	YEAR 2033	-----
-----	YEAR 2034	-----
-----	YEAR 2035	-----
-----	YEAR 2036	-----
-----	YEAR 2037	-----
-----	YEAR 2038	-----
-----	YEAR 2039	-----
-----	YEAR 2040	-----

 THERMAL UNIT
 UNIT FUELS

8 CARD 1+2 1 2 2 3

-----	YEAR 2011	-----
-----	YEAR 2012	-----
-----	YEAR 2013	-----
-----	YEAR 2014	-----
-----	YEAR 2015	-----

MINIMUM BURR PCT
 UNIT FUEL AUXILIARY COSTS
 UNIT FUEL TYPE

8 \$/MBTU
 100.00
 0.08
 8
 0 0.00
 0 0.00
 0 0.00

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	8	CARD 1+2	1	2	2	3
YEAR 2016	-----	YEAR 2016	-----			
YEAR 2017	-----	YEAR 2017	-----			
YEAR 2018	-----	YEAR 2018	-----			
YEAR 2019	-----	YEAR 2019	-----			
YEAR 2020	-----	YEAR 2020	-----			
YEAR 2021	-----	YEAR 2021	-----			
YEAR 2022	-----	YEAR 2022	-----			
YEAR 2023	-----	YEAR 2023	-----			
YEAR 2024	-----	YEAR 2024	-----			
YEAR 2025	-----	YEAR 2025	-----			
YEAR 2026	-----	YEAR 2026	-----			
YEAR 2027	-----	YEAR 2027	-----			
YEAR 2028	-----	YEAR 2028	-----			
YEAR 2029	-----	YEAR 2029	-----			
YEAR 2030	-----	YEAR 2030	-----			
YEAR 2031	-----	YEAR 2031	-----			
YEAR 2032	-----	YEAR 2032	-----			
YEAR 2033	-----	YEAR 2033	-----			
YEAR 2034	-----	YEAR 2034	-----			
YEAR 2035	-----	YEAR 2035	-----			
YEAR 2036	-----	YEAR 2036	-----			
YEAR 2037	-----	YEAR 2037	-----			
YEAR 2038	-----	YEAR 2038	-----			
YEAR 2039	-----	YEAR 2039	-----			
YEAR 2040	-----	YEAR 2040	-----			

THERMAL UNIT 9 CARD 3 1 3 2 3
UNIT FUELS

MINIMUM BURN PCT	100.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	0.08	0.00	0.00
UNIT FUEL TYPE	9	0	0

YEAR 2011	-----
YEAR 2012	-----
YEAR 2013	-----
YEAR 2014	-----
YEAR 2015	-----
YEAR 2016	-----
YEAR 2017	-----
YEAR 2018	-----
YEAR 2019	-----
YEAR 2020	-----
YEAR 2021	-----
YEAR 2022	-----
YEAR 2023	-----
YEAR 2024	-----
YEAR 2025	-----
YEAR 2026	-----
YEAR 2027	-----
YEAR 2028	-----
YEAR 2029	-----
YEAR 2030	-----

YEAR	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040										
-----	YEAR 2031	-----	YEAR 2032	-----	YEAR 2033	-----	YEAR 2034	-----	YEAR 2035	-----	YEAR 2036	-----	YEAR 2037	-----	YEAR 2038	-----	YEAR 2039	-----	YEAR 2040	-----
	MINIMUM BURN PCT		MINIMUM BURN PCT		MINIMUM BURN PCT		MINIMUM BURN PCT		MINIMUM BURN PCT		MINIMUM BURN PCT		MINIMUM BURN PCT		MINIMUM BURN PCT		MINIMUM BURN PCT		MINIMUM BURN PCT	
	UNIT FUEL TYPE		UNIT FUEL TYPE		UNIT FUEL TYPE		UNIT FUEL TYPE		UNIT FUEL TYPE		UNIT FUEL TYPE		UNIT FUEL TYPE		UNIT FUEL TYPE		UNIT FUEL TYPE		UNIT FUEL TYPE	
	10		10		10		10		10		10		10		10		10		10	
	CLIFTY		CLIFTY		CLIFTY		CLIFTY		CLIFTY		CLIFTY		CLIFTY		CLIFTY		CLIFTY		CLIFTY	
	1		1		1		1		1		1		1		1		1		1	
	2		2		2		2		2		2		2		2		2		2	
	3		3		3		3		3		3		3		3		3		3	
	0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
	0		0		0		0		0		0		0		0		0		0	
	100.00		100.00		100.00		100.00		100.00		100.00		100.00		100.00		100.00		100.00	
	0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
	0		0		0		0		0		0		0		0		0		0	
	10		10		10		10		10		10		10		10		10		10	

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

YEAR	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040												
-----	YEAR 2029	-----	YEAR 2030	-----	YEAR 2031	-----	YEAR 2032	-----	YEAR 2033	-----	YEAR 2034	-----	YEAR 2035	-----	YEAR 2036	-----	YEAR 2037	-----	YEAR 2038	-----	YEAR 2039	-----	YEAR 2040	-----

10	CLIFTY	1	2	3																				
-----	YEAR 2029	-----	YEAR 2030	-----	YEAR 2031	-----	YEAR 2032	-----	YEAR 2033	-----	YEAR 2034	-----	YEAR 2035	-----	YEAR 2036	-----	YEAR 2037	-----	YEAR 2038	-----	YEAR 2039	-----	YEAR 2040	-----

11	CLIFTY	1	2	3																																																								
-----	YEAR 2011	-----	YEAR 2012	-----	YEAR 2013	-----	YEAR 2014	-----	YEAR 2015	-----	YEAR 2016	-----	YEAR 2017	-----	YEAR 2018	-----	YEAR 2019	-----	YEAR 2020	-----	YEAR 2021	-----	YEAR 2022	-----	YEAR 2023	-----	YEAR 2024	-----	YEAR 2025	-----	YEAR 2026	-----	YEAR 2027	-----	YEAR 2028	-----	YEAR 2029	-----	YEAR 2030	-----	YEAR 2031	-----	YEAR 2032	-----	YEAR 2033	-----	YEAR 2034	-----	YEAR 2035	-----	YEAR 2036	-----	YEAR 2037	-----	YEAR 2038	-----	YEAR 2039	-----	YEAR 2040	-----

MINIMUM BURN PCT	UNIT FUEL AUXILIARY COSTS	UNIT FUEL TYPE	%	\$/MBTU	FUEL ID
100.00	0.00	0	100.00	0.00	0
0.00	0.00	11	0.00	0.00	11

11	CLIFTY	1	2	3																																																								
-----	YEAR 2011	-----	YEAR 2012	-----	YEAR 2013	-----	YEAR 2014	-----	YEAR 2015	-----	YEAR 2016	-----	YEAR 2017	-----	YEAR 2018	-----	YEAR 2019	-----	YEAR 2020	-----	YEAR 2021	-----	YEAR 2022	-----	YEAR 2023	-----	YEAR 2024	-----	YEAR 2025	-----	YEAR 2026	-----	YEAR 2027	-----	YEAR 2028	-----	YEAR 2029	-----	YEAR 2030	-----	YEAR 2031	-----	YEAR 2032	-----	YEAR 2033	-----	YEAR 2034	-----	YEAR 2035	-----	YEAR 2036	-----	YEAR 2037	-----	YEAR 2038	-----	YEAR 2039	-----	YEAR 2040	-----

12	CLIFTY	1	2	3																																																								
-----	YEAR 2011	-----	YEAR 2012	-----	YEAR 2013	-----	YEAR 2014	-----	YEAR 2015	-----	YEAR 2016	-----	YEAR 2017	-----	YEAR 2018	-----	YEAR 2019	-----	YEAR 2020	-----	YEAR 2021	-----	YEAR 2022	-----	YEAR 2023	-----	YEAR 2024	-----	YEAR 2025	-----	YEAR 2026	-----	YEAR 2027	-----	YEAR 2028	-----	YEAR 2029	-----	YEAR 2030	-----	YEAR 2031	-----	YEAR 2032	-----	YEAR 2033	-----	YEAR 2034	-----	YEAR 2035	-----	YEAR 2036	-----	YEAR 2037	-----	YEAR 2038	-----	YEAR 2039	-----	YEAR 2040	-----

MINIMUM BURN PCT	UNIT FUEL AUXILIARY COSTS	%	\$/MBTU
100.00	0.00	100.00	0.00
0.00	0.00	0.00	0.00

UNIT FUEL TYPE	FUEL ID	12	0	0
-----	YEAR 2012	-----		
-----	YEAR 2013	-----		
-----	YEAR 2014	-----		
-----	YEAR 2015	-----		
-----	YEAR 2016	-----		
-----	YEAR 2017	-----		
-----	YEAR 2018	-----		
-----	YEAR 2019	-----		
-----	YEAR 2020	-----		
-----	YEAR 2021	-----		
-----	YEAR 2022	-----		
-----	YEAR 2023	-----		
-----	YEAR 2024	-----		
-----	YEAR 2025	-----		
-----	YEAR 2026	-----		
-----	YEAR 2027	-----		
-----	YEAR 2028	-----		
-----	YEAR 2029	-----		
-----	YEAR 2030	-----		
-----	YEAR 2031	-----		
-----	YEAR 2032	-----		
-----	YEAR 2033	-----		
-----	YEAR 2034	-----		
-----	YEAR 2035	-----		
-----	YEAR 2036	-----		
-----	YEAR 2037	-----		
-----	YEAR 2038	-----		
-----	YEAR 2039	-----		
-----	YEAR 2040	-----		

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

ARE EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAR.INPUT.THERMAL.UNIT.

THERMAL UNIT UNIT FUELS	13	CLIFTY	1	4	2	3
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT UNIT FUELS	14	CLIFTY	1	5	2	3
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						

MINIMUM BURN PCT UNIT FUEL AUXILIARY COSTS UNIT FUEL TYPE	% \$/MBTU FUEL ID	100.00 0.00 14	0.00 0.00 0	0.00 0.00 0
YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				

YEAR	MINIMUM BURN PCT	UNIT FUEL AXILARY COSTS	UNIT FUEL TYPE	CLIFFY	1	6	2	3
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
THERMAL UNIT								
UNIT FUELS								
YEAR 2011	15			CLIFFY	1	6	2	3
MINIMUM BURN PCT								
UNIT FUEL AXILARY COSTS		\$/MBTU			100.00		0.00	0.00
UNIT FUEL TYPE			FUEL ID		0.00		0.00	0.00
YEAR 2012					15		0	0
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

15	CLIFTY	1	6	2	3
-----	YEAR 2023	-----			
-----	YEAR 2024	-----			
-----	YEAR 2025	-----			
-----	YEAR 2026	-----			
-----	YEAR 2027	-----			
-----	YEAR 2028	-----			
-----	YEAR 2029	-----			
-----	YEAR 2030	-----			
-----	YEAR 2031	-----			
-----	YEAR 2032	-----			
-----	YEAR 2033	-----			
-----	YEAR 2034	-----			
-----	YEAR 2035	-----			
-----	YEAR 2036	-----			
-----	YEAR 2037	-----			
-----	YEAR 2038	-----			
-----	YEAR 2039	-----			
-----	YEAR 2040	-----			

----- YEAR 2023 -----

----- YEAR 2024 -----

----- YEAR 2025 -----

----- YEAR 2026 -----

----- YEAR 2027 -----

----- YEAR 2028 -----

----- YEAR 2029 -----

----- YEAR 2030 -----

----- YEAR 2031 -----

----- YEAR 2032 -----

----- YEAR 2033 -----

----- YEAR 2034 -----

----- YEAR 2035 -----

----- YEAR 2036 -----

----- YEAR 2037 -----

16 CLINCH R 1 1 2 3

MINIMUM BURN PCT 100.00 0.00 0.00

UNIT FUEL AUXILIARY COSTS 0.11 0.00 0.00

UNIT FUEL TYPE 16 0 0

----- YEAR 2011 -----

----- YEAR 2012 -----

----- YEAR 2013 -----

----- YEAR 2014 -----

----- YEAR 2015 -----

----- YEAR 2016 -----

----- YEAR 2017 -----

----- YEAR 2018 -----

----- YEAR 2019 -----

----- YEAR 2020 -----

----- YEAR 2021 -----

----- YEAR 2022 -----

----- YEAR 2023 -----

----- YEAR 2024 -----

----- YEAR 2025 -----

----- YEAR 2026 -----

----- YEAR 2027 -----

----- YEAR 2028 -----

----- YEAR 2029 -----

----- YEAR 2030 -----

----- YEAR 2031 -----

YEAR	2038	2039	2040	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	
MINIMUM BURN PCT				100.00	0.00	0.00																							
UNIT FUEL AUXILIARY COSTS				0.11	0.00	0.00																							
UNIT FUEL TYPE				17	0	0																							
YEAR 2011																													
YEAR 2012																													
YEAR 2013																													
YEAR 2014																													
YEAR 2015																													
YEAR 2016																													
YEAR 2017																													
YEAR 2018																													
YEAR 2019																													
YEAR 2020																													
YEAR 2021																													
YEAR 2022																													
YEAR 2023																													
YEAR 2024																													
YEAR 2025																													
YEAR 2026																													
YEAR 2027																													
YEAR 2028																													
YEAR 2029																													
YEAR 2030																													
YEAR 2031																													
YEAR 2032																													
YEAR 2033																													
YEAR 2034																													
YEAR 2035																													

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT
UNIT FUELS
YEAR 2036 -----
YEAR 2037 -----
YEAR 2038 -----
YEAR 2039 -----
YEAR 2040 -----

17 CLINCH R 1 2 3

THERMAL UNIT
UNIT FUELS
YEAR 2011 -----
YEAR 2012 -----
YEAR 2013 -----
YEAR 2014 -----
YEAR 2015 -----
YEAR 2016 -----
YEAR 2017 -----
YEAR 2018 -----
YEAR 2019 -----
YEAR 2020 -----
YEAR 2021 -----
YEAR 2022 -----
YEAR 2023 -----
YEAR 2024 -----
YEAR 2025 -----
YEAR 2026 -----
YEAR 2027 -----
YEAR 2028 -----
YEAR 2029 -----
YEAR 2030 -----
YEAR 2031 -----
YEAR 2032 -----
YEAR 2033 -----
YEAR 2034 -----
YEAR 2035 -----
YEAR 2036 -----
YEAR 2037 -----
YEAR 2038 -----
YEAR 2039 -----
YEAR 2040 -----

18 CLINCH R 1 2 3

MINIMUM BURN PCT
UNIT FUEL AUXILIARY COSTS
UNIT FUEL TYPE
YEAR 2012 -----
YEAR 2013 -----
YEAR 2014 -----
YEAR 2015 -----
YEAR 2016 -----
YEAR 2017 -----
YEAR 2018 -----
YEAR 2019 -----
YEAR 2020 -----
YEAR 2021 -----
YEAR 2022 -----
YEAR 2023 -----
YEAR 2024 -----
YEAR 2025 -----
YEAR 2026 -----
YEAR 2027 -----
YEAR 2028 -----
YEAR 2029 -----
YEAR 2030 -----
YEAR 2031 -----
YEAR 2032 -----
YEAR 2033 -----
YEAR 2034 -----
YEAR 2035 -----
YEAR 2036 -----
YEAR 2037 -----
YEAR 2038 -----
YEAR 2039 -----
YEAR 2040 -----

%
\$/MBTU
FUEL ID
100.00
0.11
18
0.00
0.00
0
0.00
0.00
0
0

THERMAL UNIT
UNIT FUELS
YEAR 2011 -----
YEAR 2012 -----
YEAR 2013 -----
YEAR 2014 -----
YEAR 2015 -----
YEAR 2016 -----
YEAR 2017 -----

19 ROCKP_KP 1 2 3

MINIMUM BURN PCT
UNIT FUEL AUXILIARY COSTS
UNIT FUEL TYPE
YEAR 2012 -----
YEAR 2013 -----
YEAR 2014 -----
YEAR 2015 -----
YEAR 2016 -----
YEAR 2017 -----

%
\$/MBTU
FUEL ID
100.00
0.06
58
0.00
0.00
0
0.00
0.00
0
0

YEAR 2011 -----
YEAR 2012 -----
YEAR 2013 -----
YEAR 2014 -----
YEAR 2015 -----
YEAR 2016 -----
YEAR 2017 -----

-----	YEAR 2018	-----							
-----	YEAR 2019	-----							
-----	YEAR 2020	-----							
-----	YEAR 2021	-----							
-----	YEAR 2022	-----							
-----	YEAR 2023	-----							
-----	YEAR 2024	-----							
-----	YEAR 2025	-----							
-----	YEAR 2026	-----							
-----	YEAR 2027	-----							
-----	YEAR 2028	-----							
-----	YEAR 2029	-----							
-----	YEAR 2030	-----							
-----	YEAR 2031	-----							
-----	YEAR 2032	-----							
-----	YEAR 2033	-----							
-----	YEAR 2034	-----							
-----	YEAR 2035	-----							
-----	YEAR 2036	-----							
-----	YEAR 2037	-----							
-----	YEAR 2038	-----							
-----	YEAR 2039	-----							
-----	YEAR 2040	-----							
-----	YEAR 2041	-----							
-----	YEAR 2042	-----							
-----	YEAR 2043	-----							
-----	YEAR 2044	-----							
-----	YEAR 2045	-----							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

MINIMUM BURD PCT	UNIT FUEL AUXILIARY COSTS	UNIT FUEL TYPE	YEAR	20	ROCKP_KP	1	2	3
			YEAR 2011					
			YEAR 2012					
			YEAR 2013					
			YEAR 2014					
			YEAR 2015					

					100.00		0.00	0.00
					0.06		0.00	0.00
					59		0	0

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

20	ROCKE_KP	1	2	3
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				
YEAR 2038				
YEAR 2039				
YEAR 2040				

THERMAL UNIT
UNIT FUELS

21	CSVL	1-4	1	3	2	3
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						

MINIMUM BURN PCT
UNIT FUEL AUXILIARY COSTS
UNIT FUEL TYPE

%	\$/MFTU	FUEL ID
100.00	0.00	0
0.07	0.00	0
21	0.00	0

YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				

YEAR	MINIMUM BURN PCT	FUEL TYPE	CSVL	FUEL ID	0	1	2	3
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
THERMAL UNIT								
UNIT FUELS								
YEAR 2011	100.00	22	1-4	1	4		2	3
YEAR 2012	0.10							
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	22	CSVL 1-4	1	4	2	3
YEAR 2029	-----	-----	-----	-----	-----	-----
YEAR 2030	-----	-----	-----	-----	-----	-----
YEAR 2031	-----	-----	-----	-----	-----	-----
YEAR 2032	-----	-----	-----	-----	-----	-----
YEAR 2033	-----	-----	-----	-----	-----	-----
YEAR 2034	-----	-----	-----	-----	-----	-----
YEAR 2035	-----	-----	-----	-----	-----	-----
YEAR 2036	-----	-----	-----	-----	-----	-----
YEAR 2037	-----	-----	-----	-----	-----	-----
YEAR 2038	-----	-----	-----	-----	-----	-----
YEAR 2039	-----	-----	-----	-----	-----	-----
YEAR 2040	-----	-----	-----	-----	-----	-----

THERMAL UNIT
UNIT FUELS

23 CSVL 5+6 1 5 2 3

YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
MINIMUM BURN PCT	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
UNIT FUEL AUXILIARY COSTS	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
UNIT FUEL TYPE	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

%
\$/MBTU
FUEL ID

100.00
0.07
23

0.00
0.00
0

0.00
0.00
0

THERMAL UNIT
UNIT FUELS

24 CSVL 5+6 1 6 2 3

YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
MINIMUM BURN PCT	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
UNIT FUEL AUXILIARY COSTS	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

%
\$/MBTU

100.00
0.07

0.00
0.00

0.00
0.00

UNIT FUEL TYPE	FUEL ID	24	0	0
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				
----- YEAR 2018 -----				
----- YEAR 2019 -----				
----- YEAR 2020 -----				
----- YEAR 2021 -----				
----- YEAR 2022 -----				
----- YEAR 2023 -----				
----- YEAR 2024 -----				
----- YEAR 2025 -----				
----- YEAR 2026 -----				
----- YEAR 2027 -----				
----- YEAR 2028 -----				
----- YEAR 2029 -----				
----- YEAR 2030 -----				
----- YEAR 2031 -----				
----- YEAR 2032 -----				
----- YEAR 2033 -----				
----- YEAR 2034 -----				
----- YEAR 2035 -----				
----- YEAR 2036 -----				
----- YEAR 2037 -----				
----- YEAR 2038 -----				
----- YEAR 2039 -----				
----- YEAR 2040 -----				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

UNIT FUELS	25	D	C	COOK	1	2	3
YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

THERMAL UNIT	26	D	C	COOK	1	2	3
UNIT FUELS							
YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
MINIMUM BURN PCT	100.00					0.00	0.00
UNIT FUEL AUXILIARY COSTS	0.00					0.00	0.00
UNIT FUEL TYPE	26					0	0
YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							

----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

----- THERMAL UNIT
 UNIT FUELS -----

27 GAVIN 1 1 2 3

----- YEAR 2011 -----
 MINIMUM BURN PGT
 UNIT FUEL AUXILIARY COSTS
 UNIT FUEL TYPE
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----

8 \$/MBTU 100.00 0.00 0.00
 0.06 0.00 0.00
 27 FUEL ID 0 0 0

NOTE: DATA DISPLAYED ABOVE 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

UNIT FUELS	27	GAVIN	1	2	3
YEAR 2023	----	----	----	----	----
YEAR 2024	----	----	----	----	----
YEAR 2025	----	----	----	----	----
YEAR 2026	----	----	----	----	----
YEAR 2027	----	----	----	----	----
YEAR 2028	----	----	----	----	----
YEAR 2029	----	----	----	----	----
YEAR 2030	----	----	----	----	----
YEAR 2031	----	----	----	----	----
YEAR 2032	----	----	----	----	----
YEAR 2033	----	----	----	----	----
YEAR 2034	----	----	----	----	----
YEAR 2035	----	----	----	----	----
YEAR 2036	----	----	----	----	----
YEAR 2037	----	----	----	----	----
YEAR 2038	----	----	----	----	----
YEAR 2039	----	----	----	----	----
YEAR 2040	----	----	----	----	----

MINIMUM BURD. PCT	28	GAVIN	1	2	3
YEAR 2011	----	----	----	----	----
YEAR 2012	----	----	----	----	----
YEAR 2013	----	----	----	----	----
YEAR 2014	----	----	----	----	----
YEAR 2015	----	----	----	----	----
YEAR 2016	----	----	----	----	----
YEAR 2017	----	----	----	----	----
YEAR 2018	----	----	----	----	----
YEAR 2019	----	----	----	----	----
YEAR 2020	----	----	----	----	----
YEAR 2021	----	----	----	----	----
YEAR 2022	----	----	----	----	----
YEAR 2023	----	----	----	----	----
YEAR 2024	----	----	----	----	----
YEAR 2025	----	----	----	----	----
YEAR 2026	----	----	----	----	----
YEAR 2027	----	----	----	----	----
YEAR 2028	----	----	----	----	----
YEAR 2029	----	----	----	----	----
YEAR 2030	----	----	----	----	----
YEAR 2031	----	----	----	----	----
YEAR 2032	----	----	----	----	----
YEAR 2033	----	----	----	----	----
YEAR 2034	----	----	----	----	----
YEAR 2035	----	----	----	----	----
YEAR 2036	----	----	----	----	----
YEAR 2037	----	----	----	----	----
YEAR 2038	----	----	----	----	----
YEAR 2039	----	----	----	----	----
YEAR 2040	----	----	----	----	----

UNIT FUEL TYPE	28	GAVIN	1	2	3
YEAR 2011	----	----	----	----	----
YEAR 2012	----	----	----	----	----
YEAR 2013	----	----	----	----	----
YEAR 2014	----	----	----	----	----
YEAR 2015	----	----	----	----	----
YEAR 2016	----	----	----	----	----
YEAR 2017	----	----	----	----	----
YEAR 2018	----	----	----	----	----
YEAR 2019	----	----	----	----	----
YEAR 2020	----	----	----	----	----
YEAR 2021	----	----	----	----	----
YEAR 2022	----	----	----	----	----
YEAR 2023	----	----	----	----	----
YEAR 2024	----	----	----	----	----
YEAR 2025	----	----	----	----	----
YEAR 2026	----	----	----	----	----
YEAR 2027	----	----	----	----	----
YEAR 2028	----	----	----	----	----
YEAR 2029	----	----	----	----	----
YEAR 2030	----	----	----	----	----
YEAR 2031	----	----	----	----	----
YEAR 2032	----	----	----	----	----
YEAR 2033	----	----	----	----	----
YEAR 2034	----	----	----	----	----
YEAR 2035	----	----	----	----	----
YEAR 2036	----	----	----	----	----
YEAR 2037	----	----	----	----	----

YEAR 2038	YEAR 2039	YEAR 2040	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035
THERMAL UNIT			29	GLEN LYN	1	5	2	3																			
UNIT FUELS																											
MINIMUM BURN PCT																											
UNIT FUEL AUXILIARY COSTS			\$/MWTU		100.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00
UNIT FUEL TYPE			FUEL ID		29		0		0		0		0		0		0		0		0		0		0		0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT
UNIT FUELS

YEAR 2036 -----

YEAR 2037 -----

YEAR 2038 -----

YEAR 2039 -----

YEAR 2040 -----

29 GLEN LYN 5 2 3

THERMAL UNIT
UNIT FUELS

YEAR 2011 -----

YEAR 2012 -----

YEAR 2013 -----

YEAR 2014 -----

YEAR 2015 -----

YEAR 2016 -----

YEAR 2017 -----

YEAR 2018 -----

YEAR 2019 -----

YEAR 2020 -----

YEAR 2021 -----

YEAR 2022 -----

YEAR 2023 -----

YEAR 2024 -----

YEAR 2025 -----

YEAR 2026 -----

YEAR 2027 -----

YEAR 2028 -----

YEAR 2029 -----

YEAR 2030 -----

YEAR 2031 -----

YEAR 2032 -----

YEAR 2033 -----

YEAR 2034 -----

YEAR 2035 -----

YEAR 2036 -----

YEAR 2037 -----

YEAR 2038 -----

YEAR 2039 -----

YEAR 2040 -----

30 GLEN LYN 1 6 2 3

MINIMUM BURN PCT
UNIT FUEL AUXILIARY COSTS
UNIT FUEL TYPE

YEAR 2012 -----

YEAR 2013 -----

YEAR 2014 -----

YEAR 2015 -----

YEAR 2016 -----

YEAR 2017 -----

YEAR 2018 -----

YEAR 2019 -----

YEAR 2020 -----

YEAR 2021 -----

YEAR 2022 -----

YEAR 2023 -----

YEAR 2024 -----

YEAR 2025 -----

YEAR 2026 -----

YEAR 2027 -----

YEAR 2028 -----

YEAR 2029 -----

YEAR 2030 -----

YEAR 2031 -----

YEAR 2032 -----

YEAR 2033 -----

YEAR 2034 -----

YEAR 2035 -----

YEAR 2036 -----

YEAR 2037 -----

YEAR 2038 -----

YEAR 2039 -----

YEAR 2040 -----

%
\$/MBTU
FUEL ID
100.00 0.00 0.00
0.23 0.00 0.00
30 0 0

THERMAL UNIT
UNIT FUELS

YEAR 2011 -----

YEAR 2012 -----

YEAR 2013 -----

YEAR 2014 -----

YEAR 2015 -----

YEAR 2016 -----

YEAR 2017 -----

33 KAMMER 1 1 2 3

MINIMUM BURN PCT
UNIT FUEL AUXILIARY COSTS
UNIT FUEL TYPE

YEAR 2012 -----

YEAR 2013 -----

YEAR 2014 -----

YEAR 2015 -----

YEAR 2016 -----

YEAR 2017 -----

%
\$/MBTU
FUEL ID
100.00 0.00 0.00
0.20 0.00 0.00
33 0 0

YEAR 2011 -----

YEAR 2012 -----

YEAR 2013 -----

YEAR 2014 -----

YEAR 2015 -----

YEAR 2016 -----

YEAR 2017 -----

-----	YEAR 2018	-----
-----	YEAR 2019	-----
-----	YEAR 2020	-----
-----	YEAR 2021	-----
-----	YEAR 2022	-----
-----	YEAR 2023	-----
-----	YEAR 2024	-----
-----	YEAR 2025	-----
-----	YEAR 2026	-----
-----	YEAR 2027	-----
-----	YEAR 2028	-----
-----	YEAR 2029	-----
-----	YEAR 2030	-----
-----	YEAR 2031	-----
-----	YEAR 2032	-----
-----	YEAR 2033	-----
-----	YEAR 2034	-----
-----	YEAR 2035	-----
-----	YEAR 2036	-----
-----	YEAR 2037	-----
-----	YEAR 2038	-----
-----	YEAR 2039	-----
-----	YEAR 2040	-----

HEAT UNIT
UNIT FUELS

-----	YEAR 2011	-----	34	KAMMER	1	2	3
MINIMUM	BURN	PCF	%				
UNIT FUEL	AUXILIARY	COSTS	\$/MBTU		100.00	0.00	0.00
UNIT FUEL	TYPE		FUEL ID		0.20	0.00	0.00
-----	YEAR 2012	-----			34	0	0
-----	YEAR 2013	-----					
-----	YEAR 2014	-----					
-----	YEAR 2015	-----					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	34	KAMMER	1	2	3
YEAR 2016	----	----	----	----	----
YEAR 2017	----	----	----	----	----
YEAR 2018	----	----	----	----	----
YEAR 2019	----	----	----	----	----
YEAR 2020	----	----	----	----	----
YEAR 2021	----	----	----	----	----
YEAR 2022	----	----	----	----	----
YEAR 2023	----	----	----	----	----
YEAR 2024	----	----	----	----	----
YEAR 2025	----	----	----	----	----
YEAR 2026	----	----	----	----	----
YEAR 2027	----	----	----	----	----
YEAR 2028	----	----	----	----	----
YEAR 2029	----	----	----	----	----
YEAR 2030	----	----	----	----	----
YEAR 2031	----	----	----	----	----
YEAR 2032	----	----	----	----	----
YEAR 2033	----	----	----	----	----
YEAR 2034	----	----	----	----	----
YEAR 2035	----	----	----	----	----
YEAR 2036	----	----	----	----	----
YEAR 2037	----	----	----	----	----
YEAR 2038	----	----	----	----	----
YEAR 2039	----	----	----	----	----
YEAR 2040	----	----	----	----	----

THERMAL UNIT 35 KAMMER 1 3 2 3
UNIT FUELS

MINIMUM BURN PCT	%	100.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.20	0.00	0.00
UNIT FUEL TYPE	FUEL ID	35	0	0

YEAR 2011	----	----	----	----
YEAR 2012	----	----	----	----
YEAR 2013	----	----	----	----
YEAR 2014	----	----	----	----
YEAR 2015	----	----	----	----
YEAR 2016	----	----	----	----
YEAR 2017	----	----	----	----
YEAR 2018	----	----	----	----
YEAR 2019	----	----	----	----
YEAR 2020	----	----	----	----
YEAR 2021	----	----	----	----
YEAR 2022	----	----	----	----
YEAR 2023	----	----	----	----
YEAR 2024	----	----	----	----
YEAR 2025	----	----	----	----
YEAR 2026	----	----	----	----
YEAR 2027	----	----	----	----
YEAR 2028	----	----	----	----
YEAR 2029	----	----	----	----
YEAR 2030	----	----	----	----

-----	YEAR 2031	-----					
-----	YEAR 2032	-----					
-----	YEAR 2033	-----					
-----	YEAR 2034	-----					
-----	YEAR 2035	-----					
-----	YEAR 2036	-----					
-----	YEAR 2037	-----					
-----	YEAR 2038	-----					
-----	YEAR 2039	-----					
-----	YEAR 2040	-----					
	THERMAL UNIT		36	KANAWHA	1	2	3
	UNIT FUELS						
-----	YEAR 2011	-----					
	MINIMUM BURN PCT			100.00		0.00	0.00
	UNIT FUEL AUXILIARY COSTS			0.10		0.00	0.00
	UNIT FUEL TYPE			36		0	0
-----	YEAR 2012	-----					
-----	YEAR 2013	-----					
-----	YEAR 2014	-----					
-----	YEAR 2015	-----					
-----	YEAR 2016	-----					
-----	YEAR 2017	-----					
-----	YEAR 2018	-----					
-----	YEAR 2019	-----					
-----	YEAR 2020	-----					
-----	YEAR 2021	-----					
-----	YEAR 2022	-----					
-----	YEAR 2023	-----					
-----	YEAR 2024	-----					
-----	YEAR 2025	-----					
-----	YEAR 2026	-----					
-----	YEAR 2027	-----					
-----	YEAR 2028	-----					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

YEAR	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
THERMAL UNIT												
UNIT FUELS												

UNIT FUELS	36	KANAMHA	1	2	3
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

YEAR	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
THERMAL UNIT																														
UNIT FUELS																														

MINIMUM BURN PCT	UNIT FUEL	TYE	%	\$/MBTU	FUEL ID
100.00				0.00	0.00
0.10				0.00	0.00
37				0	0
100.00				0.00	0.00
0.10				0.00	0.00
37				0	0

YEAR	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
THERMAL UNIT																														
UNIT FUELS																														

YEAR	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
THERMAL UNIT																														
UNIT FUELS																														

MINIMUM BURN PCT	UNIT FUEL	TYE	%	\$/MBTU
100.00				0.00
0.00				0.00
0.00				0.00

UNIT FUEL TYPE	FUEL ID	38	0	0
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				
----- YEAR 2018 -----				
----- YEAR 2019 -----				
----- YEAR 2020 -----				
----- YEAR 2021 -----				
----- YEAR 2022 -----				
----- YEAR 2023 -----				
----- YEAR 2024 -----				
----- YEAR 2025 -----				
----- YEAR 2026 -----				
----- YEAR 2027 -----				
----- YEAR 2028 -----				
----- YEAR 2029 -----				
----- YEAR 2030 -----				
----- YEAR 2031 -----				
----- YEAR 2032 -----				
----- YEAR 2033 -----				
----- YEAR 2034 -----				
----- YEAR 2035 -----				
----- YEAR 2036 -----				
----- YEAR 2037 -----				
----- YEAR 2038 -----				
----- YEAR 2039 -----				
----- YEAR 2040 -----				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	39	KYGER	1	2	3
YEAR 2011					
MINIMUM BURN PCT		100.00	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS		0.00	0.00	0.00	0.00
UNIT FUEL TYPE		39	0	0	0
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					
THERMAL UNIT	40	KYGER	1	2	3
UNIT FUELS					
YEAR 2011					
MINIMUM BURN PCT		100.00	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS		0.00	0.00	0.00	0.00
UNIT FUEL TYPE		40	0	0	0
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					

----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

----- THERMAL UNIT
 UNIT FUELS -----

41 KYGER 1 4 2 3

----- YEAR 2011 -----
 MINIMUM BURN PCT
 UNIT FUEL AUXILIARY COSTS
 UNIT FUEL TYPE
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----

% \$/MBTU 100.00 0.00 0.00
 FUEL ID 41 0 0 0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT
QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	41	KYGER	1	4	2	3
----- YEAR 2023 -----						
----- YEAR 2024 -----						
----- YEAR 2025 -----						
----- YEAR 2026 -----						
----- YEAR 2027 -----						
----- YEAR 2028 -----						
----- YEAR 2029 -----						
----- YEAR 2030 -----						
----- YEAR 2031 -----						
----- YEAR 2032 -----						
----- YEAR 2033 -----						
----- YEAR 2034 -----						
----- YEAR 2035 -----						
----- YEAR 2036 -----						
----- YEAR 2037 -----						
----- YEAR 2038 -----						
----- YEAR 2039 -----						
----- YEAR 2040 -----						

THERMAL UNIT UNIT FUELS	42	KYGER	1	5	2	3
----- YEAR 2011 -----						
----- YEAR 2012 -----						
----- YEAR 2013 -----						
----- YEAR 2014 -----						
----- YEAR 2015 -----						
----- YEAR 2016 -----						
----- YEAR 2017 -----						
----- YEAR 2018 -----						
----- YEAR 2019 -----						
----- YEAR 2020 -----						
----- YEAR 2021 -----						
----- YEAR 2022 -----						
----- YEAR 2023 -----						
----- YEAR 2024 -----						
----- YEAR 2025 -----						
----- YEAR 2026 -----						
----- YEAR 2027 -----						
----- YEAR 2028 -----						
----- YEAR 2029 -----						
----- YEAR 2030 -----						
----- YEAR 2031 -----						
----- YEAR 2032 -----						
----- YEAR 2033 -----						
----- YEAR 2034 -----						
----- YEAR 2035 -----						
----- YEAR 2036 -----						
----- YEAR 2037 -----						

MINIMUM BURR PCT UNIT FUEL PROXIMATE COSTS UNIT FUEL TYPE	\$	100.00	0.00	0.00
FUEL ID	\$/MFTU	0.00	0.00	0.00
----- YEAR 2011 -----	42	42	0	0
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				
----- YEAR 2018 -----				
----- YEAR 2019 -----				
----- YEAR 2020 -----				
----- YEAR 2021 -----				
----- YEAR 2022 -----				
----- YEAR 2023 -----				
----- YEAR 2024 -----				
----- YEAR 2025 -----				
----- YEAR 2026 -----				
----- YEAR 2027 -----				
----- YEAR 2028 -----				
----- YEAR 2029 -----				
----- YEAR 2030 -----				
----- YEAR 2031 -----				
----- YEAR 2032 -----				
----- YEAR 2033 -----				
----- YEAR 2034 -----				
----- YEAR 2035 -----				
----- YEAR 2036 -----				
----- YEAR 2037 -----				

----- YEAR 2037 -----

YEAR	MINIMUM BURN PCT	UNIT FUEL PRIMARY COSTS	UNIT FUEL TYPE	% S/MBTU FUEL ID	1	2	3
YEAR 2038							
YEAR 2039							
YEAR 2040							
THERMAL UNIT							
UNIT FUELS							
YEAR 2011					43	MITCHELL	1
YEAR 2012							1
YEAR 2013							2
YEAR 2014							3
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT 43
UNIT FUELS

YEAR 2036 -----

YEAR 2037 -----

YEAR 2038 -----

YEAR 2039 -----

YEAR 2040 -----

MITCHELL 1 2 3

THERMAL UNIT 44
UNIT FUELS

YEAR 2011 -----

YEAR 2012 -----

YEAR 2013 -----

YEAR 2014 -----

YEAR 2015 -----

YEAR 2016 -----

YEAR 2017 -----

YEAR 2018 -----

YEAR 2019 -----

YEAR 2020 -----

YEAR 2021 -----

YEAR 2022 -----

YEAR 2023 -----

YEAR 2024 -----

YEAR 2025 -----

YEAR 2026 -----

YEAR 2027 -----

YEAR 2028 -----

YEAR 2029 -----

YEAR 2030 -----

YEAR 2031 -----

YEAR 2032 -----

YEAR 2033 -----

YEAR 2034 -----

YEAR 2035 -----

YEAR 2036 -----

YEAR 2037 -----

YEAR 2038 -----

YEAR 2039 -----

YEAR 2040 -----

MITCHELL 1 2 3

MINIMUM BURN PCT .
UNIT FUEL AUXILIARY COSTS
UNIT FUEL TYPE

YEAR 2012 -----

YEAR 2013 -----

YEAR 2014 -----

YEAR 2015 -----

YEAR 2016 -----

YEAR 2017 -----

YEAR 2018 -----

YEAR 2019 -----

YEAR 2020 -----

YEAR 2021 -----

YEAR 2022 -----

YEAR 2023 -----

YEAR 2024 -----

YEAR 2025 -----

YEAR 2026 -----

YEAR 2027 -----

YEAR 2028 -----

YEAR 2029 -----

YEAR 2030 -----

YEAR 2031 -----

YEAR 2032 -----

YEAR 2033 -----

YEAR 2034 -----

YEAR 2035 -----

YEAR 2036 -----

YEAR 2037 -----

YEAR 2038 -----

YEAR 2039 -----

YEAR 2040 -----

\$/MBTU 100.00 0.00 0.00
FUEL ID 44 44 0

THERMAL UNIT 45
UNIT FUELS

YEAR 2011 -----

YEAR 2012 -----

YEAR 2013 -----

YEAR 2014 -----

YEAR 2015 -----

YEAR 2016 -----

YEAR 2017 -----

MOUNT_ER 1 1 2 3

MINIMUM BURN PCT
UNIT FUEL AUXILIARY COSTS
UNIT FUEL TYPE

YEAR 2012 -----

YEAR 2013 -----

YEAR 2014 -----

YEAR 2015 -----

YEAR 2016 -----

YEAR 2017 -----

\$/MBTU 100.00 0.00 0.00
FUEL ID 45 0 0

-----	YEAR 2018	-----				
-----	YEAR 2019	-----				
-----	YEAR 2020	-----				
-----	YEAR 2021	-----				
-----	YEAR 2022	-----				
-----	YEAR 2023	-----				
-----	YEAR 2024	-----				
-----	YEAR 2025	-----				
-----	YEAR 2026	-----				
-----	YEAR 2027	-----				
-----	YEAR 2028	-----				
-----	YEAR 2029	-----				
-----	YEAR 2030	-----				
-----	YEAR 2031	-----				
-----	YEAR 2032	-----				
-----	YEAR 2033	-----				
-----	YEAR 2034	-----				
-----	YEAR 2035	-----				
-----	YEAR 2036	-----				
-----	YEAR 2037	-----				
-----	YEAR 2038	-----				
-----	YEAR 2039	-----				
-----	YEAR 2040	-----				
	THERMAL UNIT		46	MUSK RVR	1	1
	UNIT FUELS					
-----	YEAR 2011	-----				
	MINIMUM BURN PCT			100.00	0.00	0.00
	UNIT FUEL AUXILIARY COSTS			0.05	0.00	0.00
	UNIT FUEL TEE			46	0	0
-----	YEAR 2012	-----				
-----	YEAR 2013	-----				
-----	YEAR 2014	-----				
-----	YEAR 2015	-----				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

UNIT FUELS	46	MUSK RVR 1	2	3
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				
YEAR 2038				
YEAR 2039				
YEAR 2040				

THERMAL UNIT	47	MUSK RVR 1	2	3
YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				

MINIMUM BURN PCT	%	100.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.05	0.00	0.00
UNIT FUEL TYPE	FUEL ID	47	0	0
YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				

-----	YEAR 2031	-----				
-----	YEAR 2032	-----				
-----	YEAR 2033	-----				
-----	YEAR 2034	-----				
-----	YEAR 2035	-----				
-----	YEAR 2036	-----				
-----	YEAR 2037	-----				
-----	YEAR 2038	-----				
-----	YEAR 2039	-----				
-----	YEAR 2040	-----				
THERMAL UNIT						
UNIT FUELS		48	MUSK RVR	1	3	3
-----	YEAR 2011	-----				
MINIMUM BURN PCT			100.00	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS			0.05	0.00	0.00	0.00
UNIT FUEL TYPE			48	0	0	0
-----	YEAR 2012	-----				
-----	YEAR 2013	-----				
-----	YEAR 2014	-----				
-----	YEAR 2015	-----				
-----	YEAR 2016	-----				
-----	YEAR 2017	-----				
-----	YEAR 2018	-----				
-----	YEAR 2019	-----				
-----	YEAR 2020	-----				
-----	YEAR 2021	-----				
-----	YEAR 2022	-----				
-----	YEAR 2023	-----				
-----	YEAR 2024	-----				
-----	YEAR 2025	-----				
-----	YEAR 2026	-----				
-----	YEAR 2027	-----				
-----	YEAR 2028	-----				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	48	MUSK RVR	1	3	2	3
YEAR 2029	-----					
YEAR 2030	-----					
YEAR 2031	-----					
YEAR 2032	-----					
YEAR 2033	-----					
YEAR 2034	-----					
YEAR 2035	-----					
YEAR 2036	-----					
YEAR 2037	-----					
YEAR 2038	-----					
YEAR 2039	-----					
YEAR 2040	-----					

THERMAL UNIT UNIT FUELS	49	MUSK RVR	1	4	2	3
YEAR 2011	-----					
MINIMUM BURN PCT			100.00		0.00	0.00
UNIT FUEL AUXILIARY COSTS			0.05		0.00	0.00
UNIT FUEL TYPE			49		0	0

YEAR 2012	-----					
YEAR 2013	-----					
YEAR 2014	-----					
YEAR 2015	-----					
YEAR 2016	-----					
YEAR 2017	-----					
YEAR 2018	-----					
YEAR 2019	-----					
YEAR 2020	-----					
YEAR 2021	-----					
YEAR 2022	-----					
YEAR 2023	-----					
YEAR 2024	-----					
YEAR 2025	-----					
YEAR 2026	-----					
YEAR 2027	-----					
YEAR 2028	-----					
YEAR 2029	-----					
YEAR 2030	-----					
YEAR 2031	-----					
YEAR 2032	-----					
YEAR 2033	-----					
YEAR 2034	-----					
YEAR 2035	-----					
YEAR 2036	-----					
YEAR 2037	-----					
YEAR 2038	-----					
YEAR 2039	-----					
YEAR 2040	-----					

THERMAL UNIT UNIT FUELS	50	MUSK RVR	1	5	2	3
YEAR 2011	-----					
MINIMUM BURN PCT			100.00		0.00	0.00
UNIT FUEL AUXILIARY COSTS			0.05		0.00	0.00

UNIT FUEL TYPE	FUEL ID	50	0	0
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				
----- YEAR 2018 -----				
----- YEAR 2019 -----				
----- YEAR 2020 -----				
----- YEAR 2021 -----				
----- YEAR 2022 -----				
----- YEAR 2023 -----				
----- YEAR 2024 -----				
----- YEAR 2025 -----				
----- YEAR 2026 -----				
----- YEAR 2027 -----				
----- YEAR 2028 -----				
----- YEAR 2029 -----				
----- YEAR 2030 -----				
----- YEAR 2031 -----				
----- YEAR 2032 -----				
----- YEAR 2033 -----				
----- YEAR 2034 -----				
----- YEAR 2035 -----				
----- YEAR 2036 -----				
----- YEAR 2037 -----				
----- YEAR 2038 -----				
----- YEAR 2039 -----				
----- YEAR 2040 -----				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

MINIMUM BURN PCT	UNIT FUEL TYPE	\$/MBTU	% FUEL ID	100.00	0.00	0.00	0.00
UNIT FUEL TYPE							
YEAR 2011		100.00	51	1	2	3	
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							
THERMAL UNIT							
UNIT FUELS							
YEAR 2011		52		P	SPORN	1	2
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
MINIMUM BURN PCT							
UNIT FUEL AUXILIARY COSTS							
UNIT FUEL TYPE							
YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							

YEAR	MINIMUM BURN PCT	%	P	SPORN	1	2	3
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							
THERMAL UNIT UNIT FUELS		53	P	SPORN	1	2	3
MINIMUM BURN PCT UNIT FUEL AUXILIARY COSTS UNIT FUEL TYPE		\$/MBTU			100.00 0.11 53	0.00 0.00 0	0.00 0.00 0
YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	53	P	SPORN	1	3	2	3
UNIT FUELS							

-----	YEAR 2023	-----
-----	YEAR 2024	-----
-----	YEAR 2025	-----
-----	YEAR 2026	-----
-----	YEAR 2027	-----
-----	YEAR 2028	-----
-----	YEAR 2029	-----
-----	YEAR 2030	-----
-----	YEAR 2031	-----
-----	YEAR 2032	-----
-----	YEAR 2033	-----
-----	YEAR 2034	-----
-----	YEAR 2035	-----
-----	YEAR 2036	-----
-----	YEAR 2037	-----
-----	YEAR 2038	-----
-----	YEAR 2039	-----
-----	YEAR 2040	-----

THERMAL UNIT	54	P	SPORN	1	4	2	3
UNIT FUELS							

MINIMUM BURN PCT	54	100.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	54	0.11	0.00	0.00
UNIT FUEL TYPE	54	54	0	0

-----	YEAR 2011	-----
-----	YEAR 2012	-----
-----	YEAR 2013	-----
-----	YEAR 2014	-----
-----	YEAR 2015	-----
-----	YEAR 2016	-----
-----	YEAR 2017	-----
-----	YEAR 2018	-----
-----	YEAR 2019	-----
-----	YEAR 2020	-----
-----	YEAR 2021	-----
-----	YEAR 2022	-----
-----	YEAR 2023	-----
-----	YEAR 2024	-----
-----	YEAR 2025	-----
-----	YEAR 2026	-----
-----	YEAR 2027	-----
-----	YEAR 2028	-----
-----	YEAR 2029	-----
-----	YEAR 2030	-----
-----	YEAR 2031	-----
-----	YEAR 2032	-----
-----	YEAR 2033	-----
-----	YEAR 2034	-----
-----	YEAR 2035	-----
-----	YEAR 2036	-----
-----	YEAR 2037	-----

YEAR 2038	YEAR 2039	YEAR 2040	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
THERMAL UNIT			55	P	SPORN	1	5	2	3																		
UNIT FUELS																											
MINIMUM BURN PCT			100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
UNIT FUEL AUXILIARY COSTS			0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
UNIT FUEL TYPE			55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	55	P SPORN	1	5	2	3
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT UNIT FUELS	56	PICMAX	1	5	2	3
YEAR 2011						
MINIMUM BURN PCT			100.00		0.00	0.00
UNIT FUEL AUXILIARY COSTS			0.10		0.00	0.00
FUEL ID			56		0	0
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT UNIT FUELS	57	RPREF_IM	1	1	2	3
YEAR 2011						
MINIMUM BURN PCT			100.00		0.00	0.00
UNIT FUEL AUXILIARY COSTS			0.06		0.00	0.00
FUEL ID			98		0	0
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						

-----	YEAR 2018	-----					
-----	YEAR 2019	-----					
-----	YEAR 2020	-----					
-----	YEAR 2021	-----					
-----	YEAR 2022	-----					
-----	YEAR 2023	-----					
-----	YEAR 2024	-----					
-----	YEAR 2025	-----					
-----	YEAR 2026	-----					
-----	YEAR 2027	-----					
-----	YEAR 2028	-----					
-----	YEAR 2029	-----					
-----	YEAR 2030	-----					
-----	YEAR 2031	-----					
-----	YEAR 2032	-----					
-----	YEAR 2033	-----					
-----	YEAR 2034	-----					
-----	YEAR 2035	-----					
-----	YEAR 2036	-----					
-----	YEAR 2037	-----					
-----	YEAR 2038	-----					
-----	YEAR 2039	-----					
-----	YEAR 2040	-----					
	THERMAL UNIT		58	RPRUN_IM	1	1	
	UNIT FUELS					2	
							3
	YEAR 2011	-----					
	MINIMUM BURN PCT			100.00		0.00	0.00
	UNIT FUEL AUXILIARY COSTS			0.06		0.00	0.00
	UNIT FUEL TYPE			58		0	0
-----	YEAR 2012	-----					
-----	YEAR 2013	-----					
-----	YEAR 2014	-----					
-----	YEAR 2015	-----					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	58	RRUN_IM 1	2	3
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				
YEAR 2038				
YEAR 2039				
YEAR 2040				

THERMAL UNIT UNIT FUELS	59	ROCKP_IM 1	2	3
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MINIMUM BURN PCT UNIT FUEL AUXILIARY COSTS UNIT FUEL TYPE	% \$/MBTU FUELS ID	100.00 0.06 59	0.00 0.00 0	0.00 0.00 0
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YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				

YEAR	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
THERMAL UNIT										
UNIT FUELS										
61	STUART	1	1	2	3					
MINIMUM BURN PCT		100.00	0.00	0.00	0.00					
UNIT FUEL AUXILIARY COSTS		0.06	0.00	0.00	0.00					
UNIT FUEL TYPE		61	0	0	0					
YEAR 2011										
YEAR 2012										
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

THERMAL UNIT UNIT FUELS	61	STUART	1	2	3
YEAR 2029	---	---	---	---	---
YEAR 2030	---	---	---	---	---
YEAR 2031	---	---	---	---	---
YEAR 2032	---	---	---	---	---
YEAR 2033	---	---	---	---	---
YEAR 2034	---	---	---	---	---
YEAR 2035	---	---	---	---	---
YEAR 2036	---	---	---	---	---
YEAR 2037	---	---	---	---	---
YEAR 2038	---	---	---	---	---
YEAR 2039	---	---	---	---	---
YEAR 2040	---	---	---	---	---

THERMAL UNIT UNIT FUELS	62	STUART	1	2	3
YEAR 2011	---	---	---	---	---
YEAR 2012	---	---	---	---	---
YEAR 2013	---	---	---	---	---
YEAR 2014	---	---	---	---	---
YEAR 2015	---	---	---	---	---
YEAR 2016	---	---	---	---	---
YEAR 2017	---	---	---	---	---
YEAR 2018	---	---	---	---	---
YEAR 2019	---	---	---	---	---
YEAR 2020	---	---	---	---	---
YEAR 2021	---	---	---	---	---
YEAR 2022	---	---	---	---	---
YEAR 2023	---	---	---	---	---
YEAR 2024	---	---	---	---	---
YEAR 2025	---	---	---	---	---
YEAR 2026	---	---	---	---	---
YEAR 2027	---	---	---	---	---
YEAR 2028	---	---	---	---	---
YEAR 2029	---	---	---	---	---
YEAR 2030	---	---	---	---	---
YEAR 2031	---	---	---	---	---
YEAR 2032	---	---	---	---	---
YEAR 2033	---	---	---	---	---
YEAR 2034	---	---	---	---	---
YEAR 2035	---	---	---	---	---
YEAR 2036	---	---	---	---	---
YEAR 2037	---	---	---	---	---
YEAR 2038	---	---	---	---	---
YEAR 2039	---	---	---	---	---
YEAR 2040	---	---	---	---	---

MINIMUM BURN PCT	%	100.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.06	0.00	0.00
UNIT FUEL TYPE	FUEL ID	62	0	0

THERMAL UNIT UNIT FUELS	63	STUART	1	3	2	3
YEAR 2011	---	---	---	---	---	---
YEAR 2012	---	---	---	---	---	---
YEAR 2013	---	---	---	---	---	---
YEAR 2014	---	---	---	---	---	---
YEAR 2015	---	---	---	---	---	---
YEAR 2016	---	---	---	---	---	---
YEAR 2017	---	---	---	---	---	---
YEAR 2018	---	---	---	---	---	---
YEAR 2019	---	---	---	---	---	---
YEAR 2020	---	---	---	---	---	---
YEAR 2021	---	---	---	---	---	---
YEAR 2022	---	---	---	---	---	---
YEAR 2023	---	---	---	---	---	---
YEAR 2024	---	---	---	---	---	---
YEAR 2025	---	---	---	---	---	---
YEAR 2026	---	---	---	---	---	---
YEAR 2027	---	---	---	---	---	---
YEAR 2028	---	---	---	---	---	---
YEAR 2029	---	---	---	---	---	---
YEAR 2030	---	---	---	---	---	---
YEAR 2031	---	---	---	---	---	---
YEAR 2032	---	---	---	---	---	---
YEAR 2033	---	---	---	---	---	---
YEAR 2034	---	---	---	---	---	---
YEAR 2035	---	---	---	---	---	---
YEAR 2036	---	---	---	---	---	---
YEAR 2037	---	---	---	---	---	---
YEAR 2038	---	---	---	---	---	---
YEAR 2039	---	---	---	---	---	---
YEAR 2040	---	---	---	---	---	---

THERMAL UNIT UNIT FUELS	63	STUART	1	3	2	3
YEAR 2011	---	---	---	---	---	---
YEAR 2012	---	---	---	---	---	---
YEAR 2013	---	---	---	---	---	---
YEAR 2014	---	---	---	---	---	---
YEAR 2015	---	---	---	---	---	---
YEAR 2016	---	---	---	---	---	---
YEAR 2017	---	---	---	---	---	---
YEAR 2018	---	---	---	---	---	---
YEAR 2019	---	---	---	---	---	---
YEAR 2020	---	---	---	---	---	---
YEAR 2021	---	---	---	---	---	---
YEAR 2022	---	---	---	---	---	---
YEAR 2023	---	---	---	---	---	---
YEAR 2024	---	---	---	---	---	---
YEAR 2025	---	---	---	---	---	---
YEAR 2026	---	---	---	---	---	---
YEAR 2027	---	---	---	---	---	---
YEAR 2028	---	---	---	---	---	---
YEAR 2029	---	---	---	---	---	---
YEAR 2030	---	---	---	---	---	---
YEAR 2031	---	---	---	---	---	---
YEAR 2032	---	---	---	---	---	---
YEAR 2033	---	---	---	---	---	---
YEAR 2034	---	---	---	---	---	---
YEAR 2035	---	---	---	---	---	---
YEAR 2036	---	---	---	---	---	---
YEAR 2037	---	---	---	---	---	---
YEAR 2038	---	---	---	---	---	---
YEAR 2039	---	---	---	---	---	---
YEAR 2040	---	---	---	---	---	---

MINIMUM BURN PCT	%	100.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.06	0.00	0.00

UNIT FUEL TYPE	FUEL ID	63	0	0
-----	YEAR 2012	-----		
-----	YEAR 2013	-----		
-----	YEAR 2014	-----		
-----	YEAR 2015	-----		
-----	YEAR 2016	-----		
-----	YEAR 2017	-----		
-----	YEAR 2018	-----		
-----	YEAR 2019	-----		
-----	YEAR 2020	-----		
-----	YEAR 2021	-----		
-----	YEAR 2022	-----		
-----	YEAR 2023	-----		
-----	YEAR 2024	-----		
-----	YEAR 2025	-----		
-----	YEAR 2026	-----		
-----	YEAR 2027	-----		
-----	YEAR 2028	-----		
-----	YEAR 2029	-----		
-----	YEAR 2030	-----		
-----	YEAR 2031	-----		
-----	YEAR 2032	-----		
-----	YEAR 2033	-----		
-----	YEAR 2034	-----		
-----	YEAR 2035	-----		
-----	YEAR 2036	-----		
-----	YEAR 2037	-----		
-----	YEAR 2038	-----		
-----	YEAR 2039	-----		
-----	YEAR 2040	-----		

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	64	STUART	1	4	2	3
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT UNIT FUELS	65	AMOS_AP	1	3	2	3
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						

MINIMUM BURN PCT UNIT FUEL AUXILIARY COSTS UNIT FUEL TYPE	% \$/MBTU FUEL ID	100.00 0.08 3	0.00 0.00 0	0.00 0.00 0
YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS 66 TANN 1-3 1 2 3

----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

THERMAL UNIT UNIT FUELS 67 TANN 1-3 1 2 3

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----

MINIMUM BURN FUEL 100.00 0.00 0.00
 UNIT FUEL AUXILIARY COSTS 0.24 0.00 0.00
 UNIT FUEL TYPE 67 0 0

YEAR 2038	YEAR 2039	YEAR 2040	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THEMAL UNIT UNIT FUELS	68	TANN 1-3 1 3	2	3
----- YEAR 2036 -----				
----- YEAR 2037 -----				
----- YEAR 2038 -----				
----- YEAR 2039 -----				
----- YEAR 2040 -----				

THEMAL UNIT UNIT FUELS	69	TANN 4 1 4	2	3
----- YEAR 2011 -----				
MINIMUM BURN PCT				
UNIT FUEL AUXILIARY COSTS				
UNIT FUEL TYPE				
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				
----- YEAR 2018 -----				
----- YEAR 2019 -----				
----- YEAR 2020 -----				
----- YEAR 2021 -----				
----- YEAR 2022 -----				
----- YEAR 2023 -----				
----- YEAR 2024 -----				
----- YEAR 2025 -----				
----- YEAR 2026 -----				
----- YEAR 2027 -----				
----- YEAR 2028 -----				
----- YEAR 2029 -----				
----- YEAR 2030 -----				
----- YEAR 2031 -----				
----- YEAR 2032 -----				
----- YEAR 2033 -----				
----- YEAR 2034 -----				
----- YEAR 2035 -----				
----- YEAR 2036 -----				
----- YEAR 2037 -----				
----- YEAR 2038 -----				
----- YEAR 2039 -----				
----- YEAR 2040 -----				

THEMAL UNIT UNIT FUELS	70	ZIMMER 1 1	2	3
----- YEAR 2011 -----				
MINIMUM BURN PCT				
UNIT FUEL AUXILIARY COSTS				
UNIT FUEL TYPE				
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				
----- YEAR 2018 -----				
----- YEAR 2019 -----				
----- YEAR 2020 -----				
----- YEAR 2021 -----				
----- YEAR 2022 -----				
----- YEAR 2023 -----				
----- YEAR 2024 -----				
----- YEAR 2025 -----				
----- YEAR 2026 -----				
----- YEAR 2027 -----				
----- YEAR 2028 -----				
----- YEAR 2029 -----				
----- YEAR 2030 -----				
----- YEAR 2031 -----				
----- YEAR 2032 -----				
----- YEAR 2033 -----				
----- YEAR 2034 -----				
----- YEAR 2035 -----				
----- YEAR 2036 -----				
----- YEAR 2037 -----				
----- YEAR 2038 -----				
----- YEAR 2039 -----				
----- YEAR 2040 -----				

THEMAL UNIT UNIT FUELS	70	ZIMMER 1 1	2	3
----- YEAR 2011 -----				
MINIMUM BURN PCT				
UNIT FUEL AUXILIARY COSTS				
UNIT FUEL TYPE				
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				

THEMAL UNIT UNIT FUELS	70	ZIMMER 1 1	2	3
----- YEAR 2011 -----				
MINIMUM BURN PCT				
UNIT FUEL AUXILIARY COSTS				
UNIT FUEL TYPE				
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				

-----	YEAR 2018	-----
-----	YEAR 2019	-----
-----	YEAR 2020	-----
-----	YEAR 2021	-----
-----	YEAR 2022	-----
-----	YEAR 2023	-----
-----	YEAR 2024	-----
-----	YEAR 2025	-----
-----	YEAR 2026	-----
-----	YEAR 2027	-----
-----	YEAR 2028	-----
-----	YEAR 2029	-----
-----	YEAR 2030	-----
-----	YEAR 2031	-----
-----	YEAR 2032	-----
-----	YEAR 2033	-----
-----	YEAR 2034	-----
-----	YEAR 2035	-----
-----	YEAR 2036	-----
-----	YEAR 2037	-----
-----	YEAR 2038	-----
-----	YEAR 2039	-----
-----	YEAR 2040	-----

-----	YEAR 2011	-----
-----	YEAR 2012	-----
-----	YEAR 2013	-----
-----	YEAR 2014	-----
-----	YEAR 2015	-----

-----	MINIMUM BURN PCT	-----	71	ROBTWONE	1	1	2	3
-----	UNIT FUEL AUXILIARY COSTS	-----	71	ROBTWONE	1	1	2	3
-----	UNIT FUEL TYPE	-----	71	ROBTWONE	1	1	2	3

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

71	ROBTMONE	1	2	3
-----	YEAR 2016	-----		
-----	YEAR 2017	-----		
-----	YEAR 2018	-----		
-----	YEAR 2019	-----		
-----	YEAR 2020	-----		
-----	YEAR 2021	-----		
-----	YEAR 2022	-----		
-----	YEAR 2023	-----		
-----	YEAR 2024	-----		
-----	YEAR 2025	-----		
-----	YEAR 2026	-----		
-----	YEAR 2027	-----		
-----	YEAR 2028	-----		
-----	YEAR 2029	-----		
-----	YEAR 2030	-----		
-----	YEAR 2031	-----		
-----	YEAR 2032	-----		
-----	YEAR 2033	-----		
-----	YEAR 2034	-----		
-----	YEAR 2035	-----		
-----	YEAR 2036	-----		
-----	YEAR 2037	-----		
-----	YEAR 2038	-----		
-----	YEAR 2039	-----		
-----	YEAR 2040	-----		

72	ROBTMONE	1	2	3
-----	YEAR 2011	-----		

71	ROBTMONE	1	2	3
-----	YEAR 2012	-----		
-----	YEAR 2013	-----		
-----	YEAR 2014	-----		
-----	YEAR 2015	-----		
-----	YEAR 2016	-----		
-----	YEAR 2017	-----		
-----	YEAR 2018	-----		
-----	YEAR 2019	-----		
-----	YEAR 2020	-----		
-----	YEAR 2021	-----		
-----	YEAR 2022	-----		
-----	YEAR 2023	-----		
-----	YEAR 2024	-----		
-----	YEAR 2025	-----		
-----	YEAR 2026	-----		
-----	YEAR 2027	-----		
-----	YEAR 2028	-----		
-----	YEAR 2029	-----		
-----	YEAR 2030	-----		

MINIMUM BURN FCI	\$/MBTU	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS		0.00	0.00	0.00
UNIT FUEL TYPE	FUEL ID	71	0	0
-----	YEAR 2011	-----		
-----	YEAR 2012	-----		
-----	YEAR 2013	-----		
-----	YEAR 2014	-----		
-----	YEAR 2015	-----		
-----	YEAR 2016	-----		
-----	YEAR 2017	-----		
-----	YEAR 2018	-----		
-----	YEAR 2019	-----		
-----	YEAR 2020	-----		
-----	YEAR 2021	-----		
-----	YEAR 2022	-----		
-----	YEAR 2023	-----		
-----	YEAR 2024	-----		
-----	YEAR 2025	-----		
-----	YEAR 2026	-----		
-----	YEAR 2027	-----		
-----	YEAR 2028	-----		
-----	YEAR 2029	-----		
-----	YEAR 2030	-----		

YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
THERMAL UNIT									
UNIT FUELS									
73	ROBTMONE	1	3	2	3				
MINIMUM BORN PCT		0.00	0.00	0.00	0.00				
UNIT FUEL AUXILIARY COSTS		0.00	0.00	0.00	0.00				
UNIT FUEL TYPE		71	0	0	0				
YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021
YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028			

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

YEAR	UNIT	FUELS	73	ROBTWONE	1	2	3
YEAR 2029	-----	-----					
YEAR 2030	-----	-----					
YEAR 2031	-----	-----					
YEAR 2032	-----	-----					
YEAR 2033	-----	-----					
YEAR 2034	-----	-----					
YEAR 2035	-----	-----					
YEAR 2036	-----	-----					
YEAR 2037	-----	-----					
YEAR 2038	-----	-----					
YEAR 2039	-----	-----					
YEAR 2040	-----	-----					

75 CEREDO 1 1 2 3

----- YEAR 2011 -----
MINIMUM BURN PCT 100.00
UNIT FUEL AUXILIARY COSTS \$/MBTU 0.00
UNIT FUEL TYPE FUEL ID 72 0 0

YEAR 2012	-----	-----					
YEAR 2013	-----	-----					
YEAR 2014	-----	-----					
YEAR 2015	-----	-----					
YEAR 2016	-----	-----					
YEAR 2017	-----	-----					
YEAR 2018	-----	-----					
YEAR 2019	-----	-----					
YEAR 2020	-----	-----					
YEAR 2021	-----	-----					
YEAR 2022	-----	-----					
YEAR 2023	-----	-----					
YEAR 2024	-----	-----					
YEAR 2025	-----	-----					
YEAR 2026	-----	-----					
YEAR 2027	-----	-----					
YEAR 2028	-----	-----					
YEAR 2029	-----	-----					
YEAR 2030	-----	-----					
YEAR 2031	-----	-----					
YEAR 2032	-----	-----					
YEAR 2033	-----	-----					
YEAR 2034	-----	-----					
YEAR 2035	-----	-----					
YEAR 2036	-----	-----					
YEAR 2037	-----	-----					
YEAR 2038	-----	-----					
YEAR 2039	-----	-----					
YEAR 2040	-----	-----					

76 CEREDO 1 2 3

----- YEAR 2011 -----
MINIMUM BURN PCT 100.00
UNIT FUEL AUXILIARY COSTS \$/MBTU 0.00

UNIT FUEL TYPE	FUEL ID	72	0	0
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				
----- YEAR 2018 -----				
----- YEAR 2019 -----				
----- YEAR 2020 -----				
----- YEAR 2021 -----				
----- YEAR 2022 -----				
----- YEAR 2023 -----				
----- YEAR 2024 -----				
----- YEAR 2025 -----				
----- YEAR 2026 -----				
----- YEAR 2027 -----				
----- YEAR 2028 -----				
----- YEAR 2029 -----				
----- YEAR 2030 -----				
----- YEAR 2031 -----				
----- YEAR 2032 -----				
----- YEAR 2033 -----				
----- YEAR 2034 -----				
----- YEAR 2035 -----				
----- YEAR 2036 -----				
----- YEAR 2037 -----				
----- YEAR 2038 -----				
----- YEAR 2039 -----				
----- YEAR 2040 -----				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	77	CEREDO	1	3	2	3
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT UNIT FUELS	78	CEREDO	1	4	2	3
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						

MINIMUM BURN PCT UNIT FUEL AUXILIARY COSTS UNIT FUEL TYPE	% \$/MBTU FUEL ID	100.00 0.00 72	0.00 0.00 0	0.00 0.00 0
YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				

----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

 THERMAL UNIT
 UNIT FUELS

79 CEREDO 1 5 2 3

----- YEAR 2011 -----
 MINIMUM BURN FUEL
 UNIT FUEL AUXILIARY COSTS
 UNIT FUEL TYPE

%
 \$/MBTU 100.00 0.00 0.00
 FUEL ID 72 0 0 0

----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	79	CEREDO	1	5	2	3
YEAR 2023	---	---	---	---	---	---
YEAR 2024	---	---	---	---	---	---
YEAR 2025	---	---	---	---	---	---
YEAR 2026	---	---	---	---	---	---
YEAR 2027	---	---	---	---	---	---
YEAR 2028	---	---	---	---	---	---
YEAR 2029	---	---	---	---	---	---
YEAR 2030	---	---	---	---	---	---
YEAR 2031	---	---	---	---	---	---
YEAR 2032	---	---	---	---	---	---
YEAR 2033	---	---	---	---	---	---
YEAR 2034	---	---	---	---	---	---
YEAR 2035	---	---	---	---	---	---
YEAR 2036	---	---	---	---	---	---
YEAR 2037	---	---	---	---	---	---
YEAR 2038	---	---	---	---	---	---
YEAR 2039	---	---	---	---	---	---
YEAR 2040	---	---	---	---	---	---

THERMAL UNIT 80 CEREDO 1 6 2 3
UNIT FUELS

YEAR	MINIMUM BURN PCT	%	\$/MBTU	UNIT FUEL TYPE	FUEL ID
YEAR 2011	---	100.00	0.00	---	0
YEAR 2012	---	0.00	0.00	---	0
YEAR 2013	---	0.00	0.00	---	0
YEAR 2014	---	0.00	0.00	---	0
YEAR 2015	---	0.00	0.00	---	0
YEAR 2016	---	0.00	0.00	---	0
YEAR 2017	---	0.00	0.00	---	0
YEAR 2018	---	0.00	0.00	---	0
YEAR 2019	---	0.00	0.00	---	0
YEAR 2020	---	0.00	0.00	---	0
YEAR 2021	---	0.00	0.00	---	0
YEAR 2022	---	0.00	0.00	---	0
YEAR 2023	---	0.00	0.00	---	0
YEAR 2024	---	0.00	0.00	---	0
YEAR 2025	---	0.00	0.00	---	0
YEAR 2026	---	0.00	0.00	---	0
YEAR 2027	---	0.00	0.00	---	0
YEAR 2028	---	0.00	0.00	---	0
YEAR 2029	---	0.00	0.00	---	0
YEAR 2030	---	0.00	0.00	---	0
YEAR 2031	---	0.00	0.00	---	0
YEAR 2032	---	0.00	0.00	---	0
YEAR 2033	---	0.00	0.00	---	0
YEAR 2034	---	0.00	0.00	---	0
YEAR 2035	---	0.00	0.00	---	0
YEAR 2036	---	0.00	0.00	---	0
YEAR 2037	---	0.00	0.00	---	0

YEAR 2038	YEAR 2039	YEAR 2040	81	DARBY	1	1	2	3
THERMAL UNIT								
UNIT FUELS								
YEAR 2011	MINIMUM BURR FCF				100.00		0.00	0.00
UNIT FUEL, AUXILIARY COSTS			\$/MBTU		0.00		0.00	
UNIT FUEL, TYPE			FUEL ID		72		0	0
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUES CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT
UNIT FUELS
YEAR 2036

YEAR 2037

YEAR 2038

YEAR 2039

YEAR 2040

81 DABBY 1 2 3

THERMAL UNIT
UNIT FUELS
YEAR 2011

YEAR 2012

YEAR 2013

YEAR 2014

YEAR 2015

YEAR 2016

YEAR 2017

YEAR 2018

YEAR 2019

YEAR 2020

YEAR 2021

YEAR 2022

YEAR 2023

YEAR 2024

YEAR 2025

YEAR 2026

YEAR 2027

YEAR 2028

YEAR 2029

YEAR 2030

YEAR 2031

YEAR 2032

YEAR 2033

YEAR 2034

YEAR 2035

YEAR 2036

YEAR 2037

YEAR 2038

YEAR 2039

YEAR 2040

82 DABBY 1 2 3

MINIMUM BURN PCT
UNIT FUEL AUXILIARY COSTS
UNIT FUEL TYPE
YEAR 2012

YEAR 2013

YEAR 2014

YEAR 2015

YEAR 2016

YEAR 2017

YEAR 2018

YEAR 2019

YEAR 2020

YEAR 2021

YEAR 2022

YEAR 2023

YEAR 2024

YEAR 2025

YEAR 2026

YEAR 2027

YEAR 2028

YEAR 2029

YEAR 2030

YEAR 2031

YEAR 2032

YEAR 2033

YEAR 2034

YEAR 2035

YEAR 2036

YEAR 2037

YEAR 2038

YEAR 2039

YEAR 2040

%
\$/MBTU
FUEL ID
100.00 0.00 0.00
0.00 0.00 0.00
72 0 0

THERMAL UNIT
UNIT FUELS
YEAR 2011

YEAR 2012

YEAR 2013

YEAR 2014

YEAR 2015

YEAR 2016

YEAR 2017

83 DABBY 1 3 2 3

MINIMUM BURN PCT
UNIT FUEL AUXILIARY COSTS
UNIT FUEL TYPE
YEAR 2012

YEAR 2013

YEAR 2014

YEAR 2015

YEAR 2016

YEAR 2017

%
\$/MBTU
FUEL ID
100.00 0.00 0.00
0.00 0.00 0.00
72 0 0

YEAR 2011

YEAR 2012

YEAR 2013

YEAR 2014

YEAR 2015

YEAR 2016

YEAR 2017

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	84	DARBY	1	4	2	3
----- YEAR 2016 -----						
----- YEAR 2017 -----						
----- YEAR 2018 -----						
----- YEAR 2019 -----						
----- YEAR 2020 -----						
----- YEAR 2021 -----						
----- YEAR 2022 -----						
----- YEAR 2023 -----						
----- YEAR 2024 -----						
----- YEAR 2025 -----						
----- YEAR 2026 -----						
----- YEAR 2027 -----						
----- YEAR 2028 -----						
----- YEAR 2029 -----						
----- YEAR 2030 -----						
----- YEAR 2031 -----						
----- YEAR 2032 -----						
----- YEAR 2033 -----						
----- YEAR 2034 -----						
----- YEAR 2035 -----						
----- YEAR 2036 -----						
----- YEAR 2037 -----						
----- YEAR 2038 -----						
----- YEAR 2039 -----						
----- YEAR 2040 -----						

THERMAL UNIT
UNIT FUELS

85 DARBY 1 5 2 3

YEAR 2011	%	100.00	0.00	0.00
MINIMUM BURN PCT	\$/MBTU	0.00	0.00	0.00
UNIT FUEL AOXILIARY COSTS	FUEL ID	72	0	0
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				
----- YEAR 2018 -----				
----- YEAR 2019 -----				
----- YEAR 2020 -----				
----- YEAR 2021 -----				
----- YEAR 2022 -----				
----- YEAR 2023 -----				
----- YEAR 2024 -----				
----- YEAR 2025 -----				
----- YEAR 2026 -----				
----- YEAR 2027 -----				
----- YEAR 2028 -----				
----- YEAR 2029 -----				
----- YEAR 2030 -----				

----- YEAR 2030 -----

YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
THERMAL UNIT									
UNIT FUELS									
86	DARBY	1	6	2	3				
YEAR 2011									
MINIMUM BURN PCT		100.00	0.00	0.00	0.00				
UNIT FUEL AUXILIARY COSTS		0.00	0.00	0.00	0.00				
UNIT FUEL TYPE		72	0	0	0				
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

UNIT FUEL TYPE	FUEL ID	71	0	0
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				
----- YEAR 2018 -----				
----- YEAR 2019 -----				
----- YEAR 2020 -----				
----- YEAR 2021 -----				
----- YEAR 2022 -----				
----- YEAR 2023 -----				
----- YEAR 2024 -----				
----- YEAR 2025 -----				
----- YEAR 2026 -----				
----- YEAR 2027 -----				
----- YEAR 2028 -----				
----- YEAR 2029 -----				
----- YEAR 2030 -----				
----- YEAR 2031 -----				
----- YEAR 2032 -----				
----- YEAR 2033 -----				
----- YEAR 2034 -----				
----- YEAR 2035 -----				
----- YEAR 2036 -----				
----- YEAR 2037 -----				
----- YEAR 2038 -----				
----- YEAR 2039 -----				
----- YEAR 2040 -----				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

UNIT FUELS	89	1MBG SMR	1	2	3
YEAR 2011					
MINIMUM BURM PCT	%	100.00	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.00	0.00	0.00	0.00
UNIT FUEL TYPE	FUEL ID	71	0	0	0
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					
THERMAL UNIT	90	1MBG SMR	1	2	3
UNIT FUELS					
YEAR 2011					
MINIMUM BURM PCT	%	100.00	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.00	0.00	0.00	0.00
UNIT FUEL TYPE	FUEL ID	71	0	0	0
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					

YEAR	MINIMUM BURN PCT	UNIT FUEL ADJUDICARY COSTS	UNIT FUEL TYPE	% \$/MBTU FUEL ID	WATR CC	1	2	3
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
THERMAL UNIT UNIT FUELS				91	WATR CC	1	2	3
YEAR 2011								
MINIMUM BURN PCT					100.00		0.00	0.00
UNIT FUEL ADJUDICARY COSTS					0.00		0.00	0.00
UNIT FUEL TYPE					72		0	0
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

----- THERMAL UNIT 91 MATR CC 1 2 3
UNIT FUELS

----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

----- THERMAL UNIT 92 MATR2 1 2 3
UNIT FUELS

----- YEAR 2011 -----
MINIMUM BURN PCT 100.00 0.00 0.00
UNIT FUEL AUXILIARY COSTS \$/MBTU 0.00 0.00 0.00
UNIT FUEL TYPE FUEL ID 72 0 0
----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----

AFP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	93	DRESDEN	1	2	3
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT UNIT FUELS	94	DRESD2	1	2	3
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

MINIMUM BURN PCT UNIT FUEL AUXILIARY COSTS UNIT FUEL TYPE	% \$/MBTU FUEL ID	100.00 0.00 73	0.00 0.00 0	0.00 0.00 0
YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				
YEAR 2038				
YEAR 2039				
YEAR 2040				

THERMAL UNIT UNIT FUELS	101	NUCLEAR	1	2	3
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					

MINIMUM BURN PCT UNIT FUEL AUXILIARY COSTS UNIT FUEL TYPE	% \$/MBTU FUEL ID	100.00 0.00 25	0.00 0.00 0	0.00 0.00 0
YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				

-----	YEAR 2018	-----							
-----	YEAR 2019	-----							
-----	YEAR 2020	-----							
-----	YEAR 2021	-----							
-----	YEAR 2022	-----							
-----	YEAR 2023	-----							
-----	YEAR 2024	-----							
-----	YEAR 2025	-----							
-----	YEAR 2026	-----							
-----	YEAR 2027	-----							
-----	YEAR 2028	-----							
-----	YEAR 2029	-----							
-----	YEAR 2030	-----							
-----	YEAR 2031	-----							
-----	YEAR 2032	-----							
-----	YEAR 2033	-----							
-----	YEAR 2034	-----							
-----	YEAR 2035	-----							
-----	YEAR 2036	-----							
-----	YEAR 2037	-----							
-----	YEAR 2038	-----							
-----	YEAR 2039	-----							
-----	YEAR 2040	-----							
-----	YEAR 2011	-----							
-----	YEAR 2012	-----							
-----	YEAR 2013	-----							
-----	YEAR 2014	-----							
-----	YEAR 2015	-----							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

MINIMUM BURN PCT	%	UPC_NCCS	1	2	3
100.00		102	1	2	3
UNIT FUEL ADJILIARY COSTS	\$/MBTU				
0.00					
UNIT FUEL TYPE	FUEL ID				
45					
0					
0					

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

102	UPC_NCCS	1	2	3
-----	YEAR 2016	-----		
-----	YEAR 2017	-----		
-----	YEAR 2018	-----		
-----	YEAR 2019	-----		
-----	YEAR 2020	-----		
-----	YEAR 2021	-----		
-----	YEAR 2022	-----		
-----	YEAR 2023	-----		
-----	YEAR 2024	-----		
-----	YEAR 2025	-----		
-----	YEAR 2026	-----		
-----	YEAR 2027	-----		
-----	YEAR 2028	-----		
-----	YEAR 2029	-----		
-----	YEAR 2030	-----		
-----	YEAR 2031	-----		
-----	YEAR 2032	-----		
-----	YEAR 2033	-----		
-----	YEAR 2034	-----		
-----	YEAR 2035	-----		
-----	YEAR 2036	-----		
-----	YEAR 2037	-----		
-----	YEAR 2038	-----		
-----	YEAR 2039	-----		
-----	YEAR 2040	-----		

THERMAL UNIT
UNIT FUELS

103 PC_UP_SU 1 1 2 3

MINIMUM BURN FUEL
UNIT FUEL AUXILIARY COSTS
UNIT FUEL TYPE

100.00 0.00 0.00
0.00 0.00 0.00
45 0 0

-----	YEAR 2011	-----
-----	YEAR 2012	-----
-----	YEAR 2013	-----
-----	YEAR 2014	-----
-----	YEAR 2015	-----
-----	YEAR 2016	-----
-----	YEAR 2017	-----
-----	YEAR 2018	-----
-----	YEAR 2019	-----
-----	YEAR 2020	-----
-----	YEAR 2021	-----
-----	YEAR 2022	-----
-----	YEAR 2023	-----
-----	YEAR 2024	-----
-----	YEAR 2025	-----
-----	YEAR 2026	-----
-----	YEAR 2027	-----
-----	YEAR 2028	-----
-----	YEAR 2029	-----
-----	YEAR 2030	-----

-----	YEAR 2031	-----						
-----	YEAR 2032	-----						
-----	YEAR 2033	-----						
-----	YEAR 2034	-----						
-----	YEAR 2035	-----						
-----	YEAR 2036	-----						
-----	YEAR 2037	-----						
-----	YEAR 2038	-----						
-----	YEAR 2039	-----						
-----	YEAR 2040	-----						
	THERMAL UNIT		104	UPC_RCCS	1	2	3	
	UNIT FUELS							
-----	YEAR 2011	-----						
	MINIMUM BURN PCT			100.00	0.00	0.00	0.00	
	UNIT FUEL AUXILIARY COSTS			0.00	0.00	0.00	0.00	
	UNIT FUEL TYPE			45	0	0	0	
-----	YEAR 2012	-----						
-----	YEAR 2013	-----						
-----	YEAR 2014	-----						
-----	YEAR 2015	-----						
-----	YEAR 2016	-----						
-----	YEAR 2017	-----						
-----	YEAR 2018	-----						
-----	YEAR 2019	-----						
-----	YEAR 2020	-----						
-----	YEAR 2021	-----						
-----	YEAR 2022	-----						
-----	YEAR 2023	-----						
-----	YEAR 2024	-----						
-----	YEAR 2025	-----						
-----	YEAR 2026	-----						
-----	YEAR 2027	-----						
-----	YEAR 2028	-----						

NOTE: DATA DISPLAYED ABOVE 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

YEAR	UNIT FUELS	104	UPC_RCCS	1	2	3
---	YEAR 2029	---	---	---	---	---
---	YEAR 2030	---	---	---	---	---
---	YEAR 2031	---	---	---	---	---
---	YEAR 2032	---	---	---	---	---
---	YEAR 2033	---	---	---	---	---
---	YEAR 2034	---	---	---	---	---
---	YEAR 2035	---	---	---	---	---
---	YEAR 2036	---	---	---	---	---
---	YEAR 2037	---	---	---	---	---
---	YEAR 2038	---	---	---	---	---
---	YEAR 2039	---	---	---	---	---
---	YEAR 2040	---	---	---	---	---

MINIMUM BURN PCT	UNIT FUEL AUXILIARY COSTS	%	100.00	0.00	0.00
UNIT FUEL TYPE	FUEL ID	\$/MBTU	0.00	0.00	0.00
---	YEAR 2011	---	---	---	---
---	YEAR 2012	---	---	---	---
---	YEAR 2013	---	---	---	---
---	YEAR 2014	---	---	---	---
---	YEAR 2015	---	---	---	---
---	YEAR 2016	---	---	---	---
---	YEAR 2017	---	---	---	---
---	YEAR 2018	---	---	---	---
---	YEAR 2019	---	---	---	---
---	YEAR 2020	---	---	---	---
---	YEAR 2021	---	---	---	---
---	YEAR 2022	---	---	---	---
---	YEAR 2023	---	---	---	---
---	YEAR 2024	---	---	---	---
---	YEAR 2025	---	---	---	---
---	YEAR 2026	---	---	---	---
---	YEAR 2027	---	---	---	---
---	YEAR 2028	---	---	---	---
---	YEAR 2029	---	---	---	---
---	YEAR 2030	---	---	---	---
---	YEAR 2031	---	---	---	---
---	YEAR 2032	---	---	---	---
---	YEAR 2033	---	---	---	---
---	YEAR 2034	---	---	---	---
---	YEAR 2035	---	---	---	---
---	YEAR 2036	---	---	---	---
---	YEAR 2037	---	---	---	---
---	YEAR 2038	---	---	---	---
---	YEAR 2039	---	---	---	---
---	YEAR 2040	---	---	---	---

MINIMUM BURN PCT	UNIT FUEL AUXILIARY COSTS	%	100.00	0.00	0.00
UNIT FUEL TYPE	FUEL ID	\$/MBTU	0.00	0.00	0.00
---	YEAR 2011	---	---	---	---
---	YEAR 2012	---	---	---	---
---	YEAR 2013	---	---	---	---
---	YEAR 2014	---	---	---	---
---	YEAR 2015	---	---	---	---
---	YEAR 2016	---	---	---	---
---	YEAR 2017	---	---	---	---
---	YEAR 2018	---	---	---	---
---	YEAR 2019	---	---	---	---
---	YEAR 2020	---	---	---	---
---	YEAR 2021	---	---	---	---
---	YEAR 2022	---	---	---	---
---	YEAR 2023	---	---	---	---
---	YEAR 2024	---	---	---	---
---	YEAR 2025	---	---	---	---
---	YEAR 2026	---	---	---	---
---	YEAR 2027	---	---	---	---
---	YEAR 2028	---	---	---	---
---	YEAR 2029	---	---	---	---
---	YEAR 2030	---	---	---	---
---	YEAR 2031	---	---	---	---
---	YEAR 2032	---	---	---	---
---	YEAR 2033	---	---	---	---
---	YEAR 2034	---	---	---	---
---	YEAR 2035	---	---	---	---
---	YEAR 2036	---	---	---	---
---	YEAR 2037	---	---	---	---
---	YEAR 2038	---	---	---	---
---	YEAR 2039	---	---	---	---
---	YEAR 2040	---	---	---	---

UNIT FUEL TYPE	FUEL ID	45	0	0
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				
----- YEAR 2018 -----				
----- YEAR 2019 -----				
----- YEAR 2020 -----				
----- YEAR 2021 -----				
----- YEAR 2022 -----				
----- YEAR 2023 -----				
----- YEAR 2024 -----				
----- YEAR 2025 -----				
----- YEAR 2026 -----				
----- YEAR 2027 -----				
----- YEAR 2028 -----				
----- YEAR 2029 -----				
----- YEAR 2030 -----				
----- YEAR 2031 -----				
----- YEAR 2032 -----				
----- YEAR 2033 -----				
----- YEAR 2034 -----				
----- YEAR 2035 -----				
----- YEAR 2036 -----				
----- YEAR 2037 -----				
----- YEAR 2038 -----				
----- YEAR 2039 -----				
----- YEAR 2040 -----				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

UNIT FUELS	107	IGC_RCCS	1	2	3
YEAR 2011					
MINIMUM BURN PCT		100.00	0.00	0.00	
UNIT FUEL AUXILIARY COSTS		0.00	0.00	0.00	
UNIT FUEL TYPE		45	0	0	
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					
THERMAL UNIT	108	CC 2X1EB	1	2	3
UNIT FUELS			1		
YEAR 2011					
MINIMUM BURN PCT		100.00	0.00	0.00	
UNIT FUEL AUXILIARY COSTS		0.00	0.00	0.00	
UNIT FUEL TYPE		72	0	0	
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					

```

----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

```

----- YEAR 2011 -----

```

THERMAL UNIT          109      CC 2x1FA      1      2      3
UNIT FUELS

```

```

MINIMUM BURN FCI          $          100.00
UNIT FUEL AUXILIARY COSTS $/MBTU      0.00
UNIT FUEL TYPE           FUEL ID      72          0          0

```

```

----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----

```

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	109	CC 2x1FA	1	2	3
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT UNIT FUELS	110	CC 1x17H	1	2	3
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					

MINIMUM BURN FCT UNIT FUEL AUXILIARY COSTS UNIT FUEL TYPE	% \$/MBTU FUEL ID	100.00 0.00 72	0.00 0.00 0	0.00 0.00 0
YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				

YEAR	MINIMUM BURN PCT	UNIT FUEL, TYPE	111	BS2_CC	1	2	3
YEAR 2038							
YEAR 2039							
YEAR 2040							
THERMAL UNIT							
UNIT FUELS			111	BS2_CC	1	2	3
YEAR 2011							
MINIMUM BURN PCT					0.00	0.00	0.00
UNIT FUEL, AUXILIARY COSTS					0.00	0.00	0.00
UNIT FUEL, TYPE					65	0	0
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

----- YEAR 2036 -----
 THERMAL UNIT
 UNIT FUELS
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

111 BS2_CC 1 1 2 3

----- YEAR 2011 -----
 THERMAL UNIT
 UNIT FUELS

114 CT_GETFA 1 1 2 3

MINIMUM BURN PCT
 UNIT FUEL AUXILIARY COSTS
 UNIT FUEL TYPE

% \$/MBTU %
 100.00 0.00 0.00
 0.00 0.00 0.00
 72 0 0

----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

THERMAL UNIT
 UNIT FUELS

115 CT_GETFA 1 1 2 3

MINIMUM BURN PCT
 UNIT FUEL AUXILIARY COSTS
 UNIT FUEL TYPE

% \$/MBTU %
 100.00 0.00 0.00
 0.00 0.00 0.00
 72 0 0

----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----

YEAR	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
MINIMUM BURN PCT																							
UNIT FUEL ADJILIARY COSTS																							
UNIT FUEL TYPE																							
YEAR 2011																							
YEAR 2012																							
YEAR 2013																							
YEAR 2014																							
YEAR 2015																							

THERMAL UNIT 124 BS2_FGD 1 2 2 3

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	124	BS2_FGD	1	2	3
----- YEAR 2016 -----					
----- YEAR 2017 -----					
----- YEAR 2018 -----					
----- YEAR 2019 -----					
----- YEAR 2020 -----					
----- YEAR 2021 -----					
----- YEAR 2022 -----					
----- YEAR 2023 -----					
----- YEAR 2024 -----					
----- YEAR 2025 -----					
----- YEAR 2026 -----					
----- YEAR 2027 -----					
----- YEAR 2028 -----					
----- YEAR 2029 -----					
----- YEAR 2030 -----					
----- YEAR 2031 -----					
----- YEAR 2032 -----					
----- YEAR 2033 -----					
----- YEAR 2034 -----					
----- YEAR 2035 -----					
----- YEAR 2036 -----					
----- YEAR 2037 -----					
----- YEAR 2038 -----					
----- YEAR 2039 -----					
----- YEAR 2040 -----					

THERMAL UNIT
UNIT FUELS

125 BS1_FGD 1 1 2 3

MINIMUM BURN PCT UNIT FUEL AUXILIARY COSTS UNIT FUEL TYPE	% \$/MBTU FUEL_ID	100.00 0.05 5	0.00 0.00 0	0.00 0.00 0
----- YEAR 2011 -----				
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				
----- YEAR 2018 -----				
----- YEAR 2019 -----				
----- YEAR 2020 -----				
----- YEAR 2021 -----				
----- YEAR 2022 -----				
----- YEAR 2023 -----				
----- YEAR 2024 -----				
----- YEAR 2025 -----				
----- YEAR 2026 -----				
----- YEAR 2027 -----				
----- YEAR 2028 -----				
----- YEAR 2029 -----				
----- YEAR 2030 -----				

----- YEAR 2030 -----

-----	YEAR 2031	-----						
-----	YEAR 2032	-----						
-----	YEAR 2033	-----						
-----	YEAR 2034	-----						
-----	YEAR 2035	-----						
-----	YEAR 2036	-----						
-----	YEAR 2037	-----						
-----	YEAR 2038	-----						
-----	YEAR 2039	-----						
-----	YEAR 2040	-----						
	THERMAL UNIT		126	CSV5_SGR	1	5	2	3
	UNIT FUELS							
-----	YEAR 2011	-----						
	MINIMUM BURR PCT				100.00		0.00	0.00
	UNIT FUEL AUXILIARY COSTS				0.07		0.00	0.00
	UNIT FUEL TYPE				23		0	0
-----	YEAR 2012	-----						
-----	YEAR 2013	-----						
-----	YEAR 2014	-----						
-----	YEAR 2015	-----						
-----	YEAR 2016	-----						
-----	YEAR 2017	-----						
-----	YEAR 2018	-----						
-----	YEAR 2019	-----						
-----	YEAR 2020	-----						
-----	YEAR 2021	-----						
-----	YEAR 2022	-----						
-----	YEAR 2023	-----						
-----	YEAR 2024	-----						
-----	YEAR 2025	-----						
-----	YEAR 2026	-----						
-----	YEAR 2027	-----						
-----	YEAR 2028	-----						

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

UNIT FUEL TYPE	FUEL ID	72	0	0
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				
----- YEAR 2018 -----				
----- YEAR 2019 -----				
----- YEAR 2020 -----				
----- YEAR 2021 -----				
----- YEAR 2022 -----				
----- YEAR 2023 -----				
----- YEAR 2024 -----				
----- YEAR 2025 -----				
----- YEAR 2026 -----				
----- YEAR 2027 -----				
----- YEAR 2028 -----				
----- YEAR 2029 -----				
----- YEAR 2030 -----				
----- YEAR 2031 -----				
----- YEAR 2032 -----				
----- YEAR 2033 -----				
----- YEAR 2034 -----				
----- YEAR 2035 -----				
----- YEAR 2036 -----				
----- YEAR 2037 -----				
----- YEAR 2038 -----				
----- YEAR 2039 -----				
----- YEAR 2040 -----				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	130	CR2_NGCC 1	2	2	3
YEAR 2011					
MINIMUM BURN PCT		100.00	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS		0.11	0.00	0.00	0.00
UNIT FUEL TYPE		72	0	0	0
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					
THERMAL UNIT	131	MRS_NGCC	1	5	2
UNIT FUELS					3
YEAR 2011					
MINIMUM BURN PCT		100.00	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS		0.05	0.00	0.00	0.00
UNIT FUEL TYPE		81	0	0	0
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					

```

YEAR 2025 -----
YEAR 2026 -----
YEAR 2027 -----
YEAR 2028 -----
YEAR 2029 -----
YEAR 2030 -----
YEAR 2031 -----
YEAR 2032 -----
YEAR 2033 -----
YEAR 2034 -----
YEAR 2035 -----
YEAR 2036 -----
YEAR 2037 -----
YEAR 2038 -----
YEAR 2039 -----
YEAR 2040 -----

```

```

THERMAL UNIT          132  MRS_EGD  1  5  2  3
UNIT FUELS
-----
YEAR 2011 -----
MINIMUM BURD PCT                100.00
UNIT FUEL AUXILIARY COSTS      0.05
UNIT FUEL TYPE                   31
YEAR 2012 -----
YEAR 2013 -----
YEAR 2014 -----
YEAR 2015 -----
YEAR 2016 -----
YEAR 2017 -----
YEAR 2018 -----
YEAR 2019 -----
YEAR 2020 -----
YEAR 2021 -----
YEAR 2022 -----

```

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	132	MRS_FGD	1	5	2	3
----- YEAR 2023 -----						
----- YEAR 2024 -----						
----- YEAR 2025 -----						
----- YEAR 2026 -----						
----- YEAR 2027 -----						
----- YEAR 2028 -----						
----- YEAR 2029 -----						
----- YEAR 2030 -----						
----- YEAR 2031 -----						
----- YEAR 2032 -----						
----- YEAR 2033 -----						
----- YEAR 2034 -----						
----- YEAR 2035 -----						
----- YEAR 2036 -----						
----- YEAR 2037 -----						
----- YEAR 2038 -----						
----- YEAR 2039 -----						
----- YEAR 2040 -----						

THERMAL UNIT UNIT FUELS	133	RP1D_IM	1	1	2	3
----------------------------	-----	---------	---	---	---	---

MINIMUM BURN PCT	%	100.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.06	0.00	0.00
UNIT FUEL TYPE	FUEL ID	60	0	0

----- YEAR 2011 -----				
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				
----- YEAR 2018 -----				
----- YEAR 2019 -----				
----- YEAR 2020 -----				
----- YEAR 2021 -----				
----- YEAR 2022 -----				
----- YEAR 2023 -----				
----- YEAR 2024 -----				
----- YEAR 2025 -----				
----- YEAR 2026 -----				
----- YEAR 2027 -----				
----- YEAR 2028 -----				
----- YEAR 2029 -----				
----- YEAR 2030 -----				
----- YEAR 2031 -----				
----- YEAR 2032 -----				
----- YEAR 2033 -----				
----- YEAR 2034 -----				
----- YEAR 2035 -----				
----- YEAR 2036 -----				
----- YEAR 2037 -----				

YEAR 2038	YEAR 2039	YEAR 2040	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
THERMAL UNIT			134	RP2D_IM	1	2	2	3																			
UNIT FUELS																											
MINIMUM BURN FC1																											
UNIT FUEL AUXILIARY COSTS			\$		100.00			0.00																			
UNIT FUEL TYPE			FUEL ID		80			0																			

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	134	RP1D_KP	1	2	3
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT UNIT FUELS	135	TAN4_PGD	1	4	2	3
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

MINIMUM BURN FCT UNIT FUEL AUXILIARY COSTS UNIT FUEL TYPE	% \$/MBTU FUEL ID	100.00 0.29 69	0.00 0.00 0	0.00 0.00 0
YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				
YEAR 2038				
YEAR 2039				
YEAR 2040				

THERMAL UNIT UNIT FUELS	136	RP1D_KP	1	1	2	3
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						

MINIMUM BURN FCT UNIT FUEL AUXILIARY COSTS UNIT FUEL TYPE	% \$/MBTU FUEL ID	100.00 0.06 80	0.00 0.00 0	0.00 0.00 0
YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				

-----	YEAR 2018	-----							
-----	YEAR 2019	-----							
-----	YEAR 2020	-----							
-----	YEAR 2021	-----							
-----	YEAR 2022	-----							
-----	YEAR 2023	-----							
-----	YEAR 2024	-----							
-----	YEAR 2025	-----							
-----	YEAR 2026	-----							
-----	YEAR 2027	-----							
-----	YEAR 2028	-----							
-----	YEAR 2029	-----							
-----	YEAR 2030	-----							
-----	YEAR 2031	-----							
-----	YEAR 2032	-----							
-----	YEAR 2033	-----							
-----	YEAR 2034	-----							
-----	YEAR 2035	-----							
-----	YEAR 2036	-----							
-----	YEAR 2037	-----							
-----	YEAR 2038	-----							
-----	YEAR 2039	-----							
-----	YEAR 2040	-----							
-----	YEAR 2011	-----							
-----	YEAR 2012	-----							
-----	YEAR 2013	-----							
-----	YEAR 2014	-----							
-----	YEAR 2015	-----							

-----	YEAR 2011	-----							
-----	YEAR 2012	-----							
-----	YEAR 2013	-----							
-----	YEAR 2014	-----							
-----	YEAR 2015	-----							

-----	YEAR 2011	-----							
-----	YEAR 2012	-----							
-----	YEAR 2013	-----							
-----	YEAR 2014	-----							
-----	YEAR 2015	-----							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

THERMAL UNIT UNIT FUELS	137	RP2D_KP	1	2	3
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT UNIT FUELS	144	TC4_ESP	1	4	2	3
----------------------------	-----	---------	---	---	---	---

MINIMUM BURH PCT	%	100.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.29	0.00	0.00
UNIT FUEL TYPE	FUEL ID	69	0	0

YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				

-----	YEAR 2031	-----							
-----	YEAR 2032	-----							
-----	YEAR 2033	-----							
-----	YEAR 2034	-----							
-----	YEAR 2035	-----							
-----	YEAR 2036	-----							
-----	YEAR 2037	-----							
-----	YEAR 2038	-----							
-----	YEAR 2039	-----							
-----	YEAR 2040	-----							

	THERMAL UNIT		145	A390%	AP	1	3	2	3
	UNIT FUELS								

	MINIMUM BURR FCT					100.00		0.00	0.00
	UNIT FUEL AUXILIARY COSTS					0.11		0.00	0.00
	UNIT FUEL TYPE					3		0	0

	YEAR 2012	-----							

	YEAR 2013	-----							

	YEAR 2014	-----							

	YEAR 2015	-----							

	YEAR 2016	-----							

	YEAR 2017	-----							

	YEAR 2018	-----							

	YEAR 2019	-----							

	YEAR 2020	-----							

	YEAR 2021	-----							

	YEAR 2022	-----							

	YEAR 2023	-----							

	YEAR 2024	-----							

	YEAR 2025	-----							

	YEAR 2026	-----							

	YEAR 2027	-----							

	YEAR 2028	-----							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	145	A390% AP	1	3	2	3
YEAR 2029	-----					
YEAR 2030	-----					
YEAR 2031	-----					
YEAR 2032	-----					
YEAR 2033	-----					
YEAR 2034	-----					
YEAR 2035	-----					
YEAR 2036	-----					
YEAR 2037	-----					
YEAR 2038	-----					
YEAR 2039	-----					
YEAR 2040	-----					

THERMAL UNIT 146 A390%OP 1 3 2 3

YEAR 2011	MINIMUM BURN PCT	UNIT FUEL TYPE	%	\$/MBTU	FUEL ID	100.00	0.11	0.00	0.00	0.00
YEAR 2012	-----									
YEAR 2013	-----									
YEAR 2014	-----									
YEAR 2015	-----									
YEAR 2016	-----									
YEAR 2017	-----									
YEAR 2018	-----									
YEAR 2019	-----									
YEAR 2020	-----									
YEAR 2021	-----									
YEAR 2022	-----									
YEAR 2023	-----									
YEAR 2024	-----									
YEAR 2025	-----									
YEAR 2026	-----									
YEAR 2027	-----									
YEAR 2028	-----									
YEAR 2029	-----									
YEAR 2030	-----									
YEAR 2031	-----									
YEAR 2032	-----									
YEAR 2033	-----									
YEAR 2034	-----									
YEAR 2035	-----									
YEAR 2036	-----									
YEAR 2037	-----									
YEAR 2038	-----									
YEAR 2039	-----									
YEAR 2040	-----									

THERMAL UNIT 147 MTN_90% 1 1 2 3

YEAR 2011	MINIMUM BURN PCT	UNIT FUEL AUXILIARY COSTS	%	\$/MBTU	100.00	0.00	0.00	0.00
YEAR 2012	-----							
YEAR 2013	-----							
YEAR 2014	-----							
YEAR 2015	-----							
YEAR 2016	-----							
YEAR 2017	-----							
YEAR 2018	-----							
YEAR 2019	-----							
YEAR 2020	-----							
YEAR 2021	-----							
YEAR 2022	-----							
YEAR 2023	-----							
YEAR 2024	-----							
YEAR 2025	-----							
YEAR 2026	-----							
YEAR 2027	-----							
YEAR 2028	-----							
YEAR 2029	-----							
YEAR 2030	-----							
YEAR 2031	-----							
YEAR 2032	-----							
YEAR 2033	-----							
YEAR 2034	-----							
YEAR 2035	-----							
YEAR 2036	-----							
YEAR 2037	-----							
YEAR 2038	-----							
YEAR 2039	-----							
YEAR 2040	-----							

UNIT FUEL TYPE	FUEL ID	45	0	0
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				
----- YEAR 2018 -----				
----- YEAR 2019 -----				
----- YEAR 2020 -----				
----- YEAR 2021 -----				
----- YEAR 2022 -----				
----- YEAR 2023 -----				
----- YEAR 2024 -----				
----- YEAR 2025 -----				
----- YEAR 2026 -----				
----- YEAR 2027 -----				
----- YEAR 2028 -----				
----- YEAR 2029 -----				
----- YEAR 2030 -----				
----- YEAR 2031 -----				
----- YEAR 2032 -----				
----- YEAR 2033 -----				
----- YEAR 2034 -----				
----- YEAR 2035 -----				
----- YEAR 2036 -----				
----- YEAR 2037 -----				
----- YEAR 2038 -----				
----- YEAR 2039 -----				
----- YEAR 2040 -----				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	148	RPT1_90%	1	2	3
----- YEAR 2011 -----					
MINIMUM BURN PCT	%	100.00	0.00	1.98	
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.06	0.00	0.00	
UNIT FUEL TYPE	FUEL ID	58	0	624	
----- YEAR 2012 -----					
----- YEAR 2013 -----					
----- YEAR 2014 -----					
----- YEAR 2015 -----					
----- YEAR 2016 -----					
----- YEAR 2017 -----					
----- YEAR 2018 -----					
----- YEAR 2019 -----					
----- YEAR 2020 -----					
----- YEAR 2021 -----					
----- YEAR 2022 -----					
----- YEAR 2023 -----					
----- YEAR 2024 -----					
----- YEAR 2025 -----					
----- YEAR 2026 -----					
----- YEAR 2027 -----					
----- YEAR 2028 -----					
----- YEAR 2029 -----					
----- YEAR 2030 -----					
----- YEAR 2031 -----					
----- YEAR 2032 -----					
----- YEAR 2033 -----					
----- YEAR 2034 -----					
----- YEAR 2035 -----					
----- YEAR 2036 -----					
----- YEAR 2037 -----					
----- YEAR 2038 -----					
----- YEAR 2039 -----					
----- YEAR 2040 -----					
THERMAL UNIT	149	RPT2_90%	1	2	3
UNIT FUELS					
----- YEAR 2011 -----					
MINIMUM BURN PCT	%	100.00	0.00	1.98	
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.06	0.00	0.00	
UNIT FUEL TYPE	FUEL ID	59	0	625	
----- YEAR 2012 -----					
----- YEAR 2013 -----					
----- YEAR 2014 -----					
----- YEAR 2015 -----					
----- YEAR 2016 -----					
----- YEAR 2017 -----					
----- YEAR 2018 -----					
----- YEAR 2019 -----					
----- YEAR 2020 -----					
----- YEAR 2021 -----					
----- YEAR 2022 -----					
----- YEAR 2023 -----					
----- YEAR 2024 -----					

YEAR	UNIT	MINIMUM BURN PCT	UNIT FUEL AUXILIARY COSTS	FUEL TYPE	YEAR	UNIT	MINIMUM BURN PCT	UNIT FUEL AUXILIARY COSTS	FUEL TYPE
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									
HERMAL UNIT	150	GV1_90%	1	1	2	3			
UNIT FUELS									
YEAR 2011									
MINIMUM BURN PCT		100.00		0.00		0.00		0.00	
UNIT FUEL AUXILIARY COSTS		0.06		0.00		0.00		0.00	
FUEL TYPE		27		0		0		0	
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

THERMAL UNIT UNIT FUELS	150	GV1_90%	1	2	3
----- YEAR 2023 -----					
----- YEAR 2024 -----					
----- YEAR 2025 -----					
----- YEAR 2026 -----					
----- YEAR 2027 -----					
----- YEAR 2028 -----					
----- YEAR 2029 -----					
----- YEAR 2030 -----					
----- YEAR 2031 -----					
----- YEAR 2032 -----					
----- YEAR 2033 -----					
----- YEAR 2034 -----					
----- YEAR 2035 -----					
----- YEAR 2036 -----					
----- YEAR 2037 -----					
----- YEAR 2038 -----					
----- YEAR 2039 -----					
----- YEAR 2040 -----					

THERMAL UNIT UNIT FUELS	151	GV2_90%	1	2	3
----- YEAR 2011 -----					
----- YEAR 2012 -----					
----- YEAR 2013 -----					
----- YEAR 2014 -----					
----- YEAR 2015 -----					
----- YEAR 2016 -----					
----- YEAR 2017 -----					
----- YEAR 2018 -----					
----- YEAR 2019 -----					
----- YEAR 2020 -----					
----- YEAR 2021 -----					
----- YEAR 2022 -----					
----- YEAR 2023 -----					
----- YEAR 2024 -----					
----- YEAR 2025 -----					
----- YEAR 2026 -----					
----- YEAR 2027 -----					
----- YEAR 2028 -----					
----- YEAR 2029 -----					
----- YEAR 2030 -----					
----- YEAR 2031 -----					
----- YEAR 2032 -----					
----- YEAR 2033 -----					
----- YEAR 2034 -----					
----- YEAR 2035 -----					
----- YEAR 2036 -----					
----- YEAR 2037 -----					
----- YEAR 2038 -----					
----- YEAR 2039 -----					
----- YEAR 2040 -----					

MINIMUM BURN PCT UNIT FUEL AUXILIARY COSTS UNIT FUEL TYPE	% \$/MBTU FUEL ID	100.00 0.06 28	0.00 0.00 0	0.00 0.00 0
----- YEAR 2011 -----				
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				
----- YEAR 2018 -----				
----- YEAR 2019 -----				
----- YEAR 2020 -----				
----- YEAR 2021 -----				
----- YEAR 2022 -----				
----- YEAR 2023 -----				
----- YEAR 2024 -----				
----- YEAR 2025 -----				
----- YEAR 2026 -----				
----- YEAR 2027 -----				
----- YEAR 2028 -----				
----- YEAR 2029 -----				
----- YEAR 2030 -----				
----- YEAR 2031 -----				
----- YEAR 2032 -----				
----- YEAR 2033 -----				
----- YEAR 2034 -----				
----- YEAR 2035 -----				
----- YEAR 2036 -----				
----- YEAR 2037 -----				

YEAR	MINIMUM BURN PCT	\$/MBTU	MTN_18%	UNIT FUEL	UNIT FUEL	UNIT FUEL
YEAR	UNIT FUEL	UNIT FUEL	UNIT FUEL	UNIT FUEL	UNIT FUEL	UNIT FUEL
YEAR 2038						
YEAR 2039						
YEAR 2040						
YEAR 2011	153	100.00	1	1	2	3
YEAR 2012		0.00			0	0
YEAR 2013		0.00				
YEAR 2014		0.00				
YEAR 2015		0.00				
YEAR 2016		0.00				
YEAR 2017		0.00				
YEAR 2018		0.00				
YEAR 2019		0.00				
YEAR 2020		0.00				
YEAR 2021		0.00				
YEAR 2022		0.00				
YEAR 2023		0.00				
YEAR 2024		0.00				
YEAR 2025		0.00				
YEAR 2026		0.00				
YEAR 2027		0.00				
YEAR 2028		0.00				
YEAR 2029		0.00				
YEAR 2030		0.00				
YEAR 2031		0.00				
YEAR 2032		0.00				
YEAR 2033		0.00				
YEAR 2034		0.00				
YEAR 2035		0.00				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT
UNIT FUELS

YEAR 2036 -----
YEAR 2037 -----
YEAR 2038 -----
YEAR 2039 -----
YEAR 2040 -----

153 MTN_188 1 1 2 3

THERMAL UNIT
UNIT FUELS

YEAR 2011 -----
YEAR 2012 -----
YEAR 2013 -----
YEAR 2014 -----
YEAR 2015 -----
YEAR 2016 -----
YEAR 2017 -----
YEAR 2018 -----
YEAR 2019 -----
YEAR 2020 -----
YEAR 2021 -----
YEAR 2022 -----
YEAR 2023 -----
YEAR 2024 -----
YEAR 2025 -----
YEAR 2026 -----
YEAR 2027 -----
YEAR 2028 -----
YEAR 2029 -----
YEAR 2030 -----
YEAR 2031 -----
YEAR 2032 -----
YEAR 2033 -----
YEAR 2034 -----
YEAR 2035 -----
YEAR 2036 -----
YEAR 2037 -----
YEAR 2038 -----
YEAR 2039 -----
YEAR 2040 -----

154 CC_PA_KP 1 1 2 3
% 100.00 0.00 0.00
\$/MBTU 0.00 0.00 0.00
FUEL ID 72 0 0

THERMAL UNIT
UNIT FUELS

YEAR 2011 -----
YEAR 2012 -----
YEAR 2013 -----
YEAR 2014 -----
YEAR 2015 -----
YEAR 2016 -----
YEAR 2017 -----

155 CT_OHIO 1 1 2 3
% 100.00 0.00 0.00
\$/MFTU 0.00 0.00 0.00
FUEL ID 72 0 0

MINIMUM BURN PCT
UNIT FUEL AUXILIARY COSTS
UNIT FUEL TYPE

YEAR 2011 -----
YEAR 2012 -----
YEAR 2013 -----
YEAR 2014 -----
YEAR 2015 -----
YEAR 2016 -----
YEAR 2017 -----

-----	YEAR 2018	-----				
-----	YEAR 2019	-----				
-----	YEAR 2020	-----				
-----	YEAR 2021	-----				
-----	YEAR 2022	-----				
-----	YEAR 2023	-----				
-----	YEAR 2024	-----				
-----	YEAR 2025	-----				
-----	YEAR 2026	-----				
-----	YEAR 2027	-----				
-----	YEAR 2028	-----				
-----	YEAR 2029	-----				
-----	YEAR 2030	-----				
-----	YEAR 2031	-----				
-----	YEAR 2032	-----				
-----	YEAR 2033	-----				
-----	YEAR 2034	-----				
-----	YEAR 2035	-----				
-----	YEAR 2036	-----				
-----	YEAR 2037	-----				
-----	YEAR 2038	-----				
-----	YEAR 2039	-----				
-----	YEAR 2040	-----				
-----	YEAR 2041	-----				
-----	YEAR 2042	-----				
-----	YEAR 2043	-----				
-----	YEAR 2044	-----				
-----	YEAR 2045	-----				

----- THERMAL UNIT 156 CC_OH 1 1 2 3
 UNIT FUELS

----- YEAR 2011 -----
 MINIMUM BURN PCT 100.00
 UNIT FUEL AUXILIARY COSTS \$/MBTU 0.00
 UNIT FUEL TYPE FUEL ID 72 0 0 0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	156	CC_OH	1	2	3
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT 157 CF_IAM 1 1 2 3
UNIT FUELS

MINIMUM BURN PCT	%	100.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.00	0.00	0.00
UNIT FUEL TYPE	FUEL ID	72	0	0

YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				

-----	YEAR 2031	-----							
-----	YEAR 2032	-----							
-----	YEAR 2033	-----							
-----	YEAR 2034	-----							
-----	YEAR 2035	-----							
-----	YEAR 2036	-----							
-----	YEAR 2037	-----							
-----	YEAR 2038	-----							
-----	YEAR 2039	-----							
-----	YEAR 2040	-----							
-----	YEAR 2011	-----							
-----	YEAR 2012	-----							
-----	YEAR 2013	-----							
-----	YEAR 2014	-----							
-----	YEAR 2015	-----							
-----	YEAR 2016	-----							
-----	YEAR 2017	-----							
-----	YEAR 2018	-----							
-----	YEAR 2019	-----							
-----	YEAR 2020	-----							
-----	YEAR 2021	-----							
-----	YEAR 2022	-----							
-----	YEAR 2023	-----							
-----	YEAR 2024	-----							
-----	YEAR 2025	-----							
-----	YEAR 2026	-----							
-----	YEAR 2027	-----							
-----	YEAR 2028	-----							

MINIMUM BURN FCT	MINIMUM FUEL ADJUSTMENT COSTS	UNIT FUEL TYPE	UNIT FUEL TYPE	UNIT FUEL TYPE
100.00	0.00	0	0	0
0.00	0.00	72	0	0
0.00	0.00	0	0	0

THERMAL UNIT	CC_1&M	1	2	3
158	1	1	2	3

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	158	CC_IDM	1	2	3
YEAR 2029	----				
YEAR 2030	----				
YEAR 2031	----				
YEAR 2032	----				
YEAR 2033	----				
YEAR 2034	----				
YEAR 2035	----				
YEAR 2036	----				
YEAR 2037	----				
YEAR 2038	----				
YEAR 2039	----				
YEAR 2040	----				

THERMAL UNIT 159 CC_ARCO 1 1 2 3
UNIT FUELS

YEAR 2011	%	MINIMUM BURN PCT	UNIT FUEL AUXILIARY COSTS	FUEL ID
YEAR 2012	----			
YEAR 2013	----			
YEAR 2014	----			
YEAR 2015	----			
YEAR 2016	----			
YEAR 2017	----			
YEAR 2018	----			
YEAR 2019	----			
YEAR 2020	----			
YEAR 2021	----			
YEAR 2022	----			
YEAR 2023	----			
YEAR 2024	----			
YEAR 2025	----			
YEAR 2026	----			
YEAR 2027	----			
YEAR 2028	----			
YEAR 2029	----			
YEAR 2030	----			
YEAR 2031	----			
YEAR 2032	----			
YEAR 2033	----			
YEAR 2034	----			
YEAR 2035	----			
YEAR 2036	----			
YEAR 2037	----			
YEAR 2038	----			
YEAR 2039	----			
YEAR 2040	----			

THERMAL UNIT 160 CC_ARCO 1 1 2 3
UNIT FUELS

YEAR 2011	%	MINIMUM BURN PCT	UNIT FUEL AUXILIARY COSTS
YEAR 2012	----		
YEAR 2013	----		
YEAR 2014	----		
YEAR 2015	----		
YEAR 2016	----		
YEAR 2017	----		
YEAR 2018	----		
YEAR 2019	----		
YEAR 2020	----		
YEAR 2021	----		
YEAR 2022	----		
YEAR 2023	----		
YEAR 2024	----		
YEAR 2025	----		
YEAR 2026	----		
YEAR 2027	----		
YEAR 2028	----		
YEAR 2029	----		
YEAR 2030	----		
YEAR 2031	----		
YEAR 2032	----		
YEAR 2033	----		
YEAR 2034	----		
YEAR 2035	----		
YEAR 2036	----		
YEAR 2037	----		
YEAR 2038	----		
YEAR 2039	----		
YEAR 2040	----		

UNIT FUEL TYPE	FUEL ID	72	0	0
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				
----- YEAR 2018 -----				
----- YEAR 2019 -----				
----- YEAR 2020 -----				
----- YEAR 2021 -----				
----- YEAR 2022 -----				
----- YEAR 2023 -----				
----- YEAR 2024 -----				
----- YEAR 2025 -----				
----- YEAR 2026 -----				
----- YEAR 2027 -----				
----- YEAR 2028 -----				
----- YEAR 2029 -----				
----- YEAR 2030 -----				
----- YEAR 2031 -----				
----- YEAR 2032 -----				
----- YEAR 2033 -----				
----- YEAR 2034 -----				
----- YEAR 2035 -----				
----- YEAR 2036 -----				
----- YEAR 2037 -----				
----- YEAR 2038 -----				
----- YEAR 2039 -----				
----- YEAR 2040 -----				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

UNIT FUELS	161	CT_KPCO	1	2	3
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					
THERMAL UNIT	162	CC_KPCO	1	2	3
UNIT FUELS			1		
YEAR 2011					
MINIMUM BURN PCT	%	100.00	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.00	0.00	0.00	0.00
UNIT FUEL TYPE	FUEL ID	72	0	0	0
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					

YEAR 2025	-----
YEAR 2026	-----
YEAR 2027	-----
YEAR 2028	-----
YEAR 2029	-----
YEAR 2030	-----
YEAR 2031	-----
YEAR 2032	-----
YEAR 2033	-----
YEAR 2034	-----
YEAR 2035	-----
YEAR 2036	-----
YEAR 2037	-----
YEAR 2038	-----
YEAR 2039	-----
YEAR 2040	-----

THERMAL UNIT
UNIT FUELS

163 B52 FGD 1 1 2 3

YEAR 2011	-----
YEAR 2012	-----
YEAR 2013	-----
YEAR 2014	-----
YEAR 2015	-----
YEAR 2016	-----
YEAR 2017	-----
YEAR 2018	-----
YEAR 2019	-----
YEAR 2020	-----
YEAR 2021	-----
YEAR 2022	-----

MINIMUM BURH PCT
UNIT FUEL AUXILIARY COSTS
UNIT FUEL TYPE

% \$/MBTU
100.00 0.00 0.00
0.05 0.00 0.00
31 0 0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

THERMAL UNIT UNIT FUELS	163	BS2 FGD 1	2	3
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				
YEAR 2038				
YEAR 2039				
YEAR 2040				

THERMAL UNIT UNIT FUELS	164	BS2 FGD 1	5	2	3
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					

MINIMUM BORN PCT UNIT FUEL AUXILIARY COSTS UNIT FUEL TYPE	% \$/MBTU FUEL ID	100.00 0.05 32	0.00 0.00 0	0.00 0.00 0
YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				

YEAR	MINIMUM BURN PCT	\$/MBTU	100.00	0.00	0.00
UNIT FUEL TYPE	UNIT FUEL TYPE	FUEL ID	57	0	0
YEAR 2038					
YEAR 2039					
YEAR 2040					
THERRMAL UNIT	165	BSZ FGD	1	22	2
UNIT FUELS					3
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	165	BS2 FGD	1	22	2	3
-----	YEAR 2036	-----				
-----	YEAR 2037	-----				
-----	YEAR 2038	-----				
-----	YEAR 2039	-----				
-----	YEAR 2040	-----				

THERMAL UNIT UNIT FUELS	166	BS2 FGD	1	23	2	3
-----	YEAR 2011	-----				
-----	YEAR 2012	-----				
-----	YEAR 2013	-----				
-----	YEAR 2014	-----				
-----	YEAR 2015	-----				
-----	YEAR 2016	-----				
-----	YEAR 2017	-----				
-----	YEAR 2018	-----				
-----	YEAR 2019	-----				
-----	YEAR 2020	-----				
-----	YEAR 2021	-----				
-----	YEAR 2022	-----				
-----	YEAR 2023	-----				
-----	YEAR 2024	-----				
-----	YEAR 2025	-----				
-----	YEAR 2026	-----				
-----	YEAR 2027	-----				
-----	YEAR 2028	-----				
-----	YEAR 2029	-----				
-----	YEAR 2030	-----				
-----	YEAR 2031	-----				
-----	YEAR 2032	-----				
-----	YEAR 2033	-----				
-----	YEAR 2034	-----				
-----	YEAR 2035	-----				
-----	YEAR 2036	-----				
-----	YEAR 2037	-----				
-----	YEAR 2038	-----				
-----	YEAR 2039	-----				
-----	YEAR 2040	-----				

MINIMUM BURN PCT UNIT FUEL, AUXILIARY COSTS UNIT FUEL, TYPE	% \$/MBTU FUEL ID	100.00 0.05 6	0.00 0.00 0	0.00 0.00 0
-----	YEAR 2011	-----		
-----	YEAR 2012	-----		
-----	YEAR 2013	-----		
-----	YEAR 2014	-----		
-----	YEAR 2015	-----		
-----	YEAR 2016	-----		
-----	YEAR 2017	-----		
-----	YEAR 2018	-----		
-----	YEAR 2019	-----		
-----	YEAR 2020	-----		
-----	YEAR 2021	-----		
-----	YEAR 2022	-----		
-----	YEAR 2023	-----		
-----	YEAR 2024	-----		
-----	YEAR 2025	-----		
-----	YEAR 2026	-----		
-----	YEAR 2027	-----		
-----	YEAR 2028	-----		
-----	YEAR 2029	-----		
-----	YEAR 2030	-----		
-----	YEAR 2031	-----		
-----	YEAR 2032	-----		
-----	YEAR 2033	-----		
-----	YEAR 2034	-----		
-----	YEAR 2035	-----		
-----	YEAR 2036	-----		
-----	YEAR 2037	-----		
-----	YEAR 2038	-----		
-----	YEAR 2039	-----		
-----	YEAR 2040	-----		

THERMAL UNIT UNIT FUELS	168	IGCC AP	1	1	2	3
-----	YEAR 2011	-----				
-----	YEAR 2012	-----				
-----	YEAR 2013	-----				
-----	YEAR 2014	-----				
-----	YEAR 2015	-----				
-----	YEAR 2016	-----				
-----	YEAR 2017	-----				

MINIMUM BURN PCT UNIT FUEL, AUXILIARY COSTS UNIT FUEL, TYPE	% \$/MBTU FUEL ID	100.00 0.00 45	0.00 0.00 0	0.00 0.00 0
-----	YEAR 2011	-----		
-----	YEAR 2012	-----		
-----	YEAR 2013	-----		
-----	YEAR 2014	-----		
-----	YEAR 2015	-----		
-----	YEAR 2016	-----		
-----	YEAR 2017	-----		

-----	YEAR 2018	-----						
-----	YEAR 2019	-----						
-----	YEAR 2020	-----						
-----	YEAR 2021	-----						
-----	YEAR 2022	-----						
-----	YEAR 2023	-----						
-----	YEAR 2024	-----						
-----	YEAR 2025	-----						
-----	YEAR 2026	-----						
-----	YEAR 2027	-----						
-----	YEAR 2028	-----						
-----	YEAR 2029	-----						
-----	YEAR 2030	-----						
-----	YEAR 2031	-----						
-----	YEAR 2032	-----						
-----	YEAR 2033	-----						
-----	YEAR 2034	-----						
-----	YEAR 2035	-----						
-----	YEAR 2036	-----						
-----	YEAR 2037	-----						
-----	YEAR 2038	-----						
-----	YEAR 2039	-----						
-----	YEAR 2040	-----						
	HEAT UNIT		169	PC_UL_AP	1			
	UNIT FUELS				1	2		3
-----	YEAR 2011	-----						
MINIMUM BURN PCT		%	100.00				0.00	0.00
UNIT FUEL AUXILIARY COSTS		\$/MBTU	0.00				0.00	0.00
UNIT FUEL TYPE		FUEL ID	45				0	0
-----	YEAR 2012	-----						
-----	YEAR 2013	-----						
-----	YEAR 2014	-----						
-----	YEAR 2015	-----						

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT	UNIT FUELS	169	PC_UL_AP	1	2	3
---	YEAR 2016	---	---	---	---	---
---	YEAR 2017	---	---	---	---	---
---	YEAR 2018	---	---	---	---	---
---	YEAR 2019	---	---	---	---	---
---	YEAR 2020	---	---	---	---	---
---	YEAR 2021	---	---	---	---	---
---	YEAR 2022	---	---	---	---	---
---	YEAR 2023	---	---	---	---	---
---	YEAR 2024	---	---	---	---	---
---	YEAR 2025	---	---	---	---	---
---	YEAR 2026	---	---	---	---	---
---	YEAR 2027	---	---	---	---	---
---	YEAR 2028	---	---	---	---	---
---	YEAR 2029	---	---	---	---	---
---	YEAR 2030	---	---	---	---	---
---	YEAR 2031	---	---	---	---	---
---	YEAR 2032	---	---	---	---	---
---	YEAR 2033	---	---	---	---	---
---	YEAR 2034	---	---	---	---	---
---	YEAR 2035	---	---	---	---	---
---	YEAR 2036	---	---	---	---	---
---	YEAR 2037	---	---	---	---	---
---	YEAR 2038	---	---	---	---	---
---	YEAR 2039	---	---	---	---	---
---	YEAR 2040	---	---	---	---	---

THERMAL UNIT 170 Nuke_AP 1 1 2 3
UNIT FUELS

MINIMUM BURN PCT	UNIT FUEL AUXILIARY COSTS	%	100.00	0.00	0.00
UNIT FUEL TYPE	FUEL ID	\$/MBTU	0.00	0.00	0.00
---	YEAR 2011	---	25	0	0
---	YEAR 2012	---	---	---	---
---	YEAR 2013	---	---	---	---
---	YEAR 2014	---	---	---	---
---	YEAR 2015	---	---	---	---
---	YEAR 2016	---	---	---	---
---	YEAR 2017	---	---	---	---
---	YEAR 2018	---	---	---	---
---	YEAR 2019	---	---	---	---
---	YEAR 2020	---	---	---	---
---	YEAR 2021	---	---	---	---
---	YEAR 2022	---	---	---	---
---	YEAR 2023	---	---	---	---
---	YEAR 2024	---	---	---	---
---	YEAR 2025	---	---	---	---
---	YEAR 2026	---	---	---	---
---	YEAR 2027	---	---	---	---
---	YEAR 2028	---	---	---	---
---	YEAR 2029	---	---	---	---
---	YEAR 2030	---	---	---	---

-----	YEAR 2031	-----						
-----	YEAR 2032	-----						
-----	YEAR 2033	-----						
-----	YEAR 2034	-----						
-----	YEAR 2035	-----						
-----	YEAR 2036	-----						
-----	YEAR 2037	-----						
-----	YEAR 2038	-----						
-----	YEAR 2039	-----						
-----	YEAR 2040	-----						
	THERMAL UNIT		171	IGCC IM	1	1	2	3
	UNIT FUELS							
	-----	YEAR 2011	-----					
	MINIMUM BURN PCT			100.00		0.00		0.00
	UNIT FUEL AUXILIARY COSTS			0.00		0.00		0.00
	UNIT FUEL TYPE			45		0		0
	-----	YEAR 2012	-----					
	-----	YEAR 2013	-----					
	-----	YEAR 2014	-----					
	-----	YEAR 2015	-----					
	-----	YEAR 2016	-----					
	-----	YEAR 2017	-----					
	-----	YEAR 2018	-----					
	-----	YEAR 2019	-----					
	-----	YEAR 2020	-----					
	-----	YEAR 2021	-----					
	-----	YEAR 2022	-----					
	-----	YEAR 2023	-----					
	-----	YEAR 2024	-----					
	-----	YEAR 2025	-----					
	-----	YEAR 2026	-----					
	-----	YEAR 2027	-----					
	-----	YEAR 2028	-----					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

YEAR	UNIT FUELS	IGCC IM	PC_UH_IM
YEAR 2029	171	1	1
YEAR 2030	171	1	1
YEAR 2031	171	1	1
YEAR 2032	171	1	1
YEAR 2033	171	1	1
YEAR 2034	171	1	1
YEAR 2035	171	1	1
YEAR 2036	171	1	1
YEAR 2037	171	1	1
YEAR 2038	171	1	1
YEAR 2039	171	1	1
YEAR 2040	171	1	1

THERMAL UNIT
UNIT FUELS

YEAR	MINIMUM BURN PCT	UNIT FUEL AUXILIARY COSTS	UNIT FUEL TYPE
YEAR 2011	100.00	0.00	0
YEAR 2012	100.00	0.00	0
YEAR 2013	100.00	0.00	0
YEAR 2014	100.00	0.00	0
YEAR 2015	100.00	0.00	0
YEAR 2016	100.00	0.00	0
YEAR 2017	100.00	0.00	0
YEAR 2018	100.00	0.00	0
YEAR 2019	100.00	0.00	0
YEAR 2020	100.00	0.00	0
YEAR 2021	100.00	0.00	0
YEAR 2022	100.00	0.00	0
YEAR 2023	100.00	0.00	0
YEAR 2024	100.00	0.00	0
YEAR 2025	100.00	0.00	0
YEAR 2026	100.00	0.00	0
YEAR 2027	100.00	0.00	0
YEAR 2028	100.00	0.00	0
YEAR 2029	100.00	0.00	0
YEAR 2030	100.00	0.00	0
YEAR 2031	100.00	0.00	0
YEAR 2032	100.00	0.00	0
YEAR 2033	100.00	0.00	0
YEAR 2034	100.00	0.00	0
YEAR 2035	100.00	0.00	0
YEAR 2036	100.00	0.00	0
YEAR 2037	100.00	0.00	0
YEAR 2038	100.00	0.00	0
YEAR 2039	100.00	0.00	0
YEAR 2040	100.00	0.00	0

YEAR	NUKE_IM	PC_UH_IM
YEAR 2011	1	1
YEAR 2012	1	1
YEAR 2013	1	1
YEAR 2014	1	1
YEAR 2015	1	1
YEAR 2016	1	1
YEAR 2017	1	1
YEAR 2018	1	1
YEAR 2019	1	1
YEAR 2020	1	1
YEAR 2021	1	1
YEAR 2022	1	1
YEAR 2023	1	1
YEAR 2024	1	1
YEAR 2025	1	1
YEAR 2026	1	1
YEAR 2027	1	1
YEAR 2028	1	1
YEAR 2029	1	1
YEAR 2030	1	1
YEAR 2031	1	1
YEAR 2032	1	1
YEAR 2033	1	1
YEAR 2034	1	1
YEAR 2035	1	1
YEAR 2036	1	1
YEAR 2037	1	1
YEAR 2038	1	1
YEAR 2039	1	1
YEAR 2040	1	1

THERMAL UNIT
UNIT FUELS

YEAR	MINIMUM BURN PCT	UNIT FUEL AUXILIARY COSTS	UNIT FUEL TYPE
YEAR 2011	100.00	0.00	0
YEAR 2012	100.00	0.00	0
YEAR 2013	100.00	0.00	0
YEAR 2014	100.00	0.00	0
YEAR 2015	100.00	0.00	0
YEAR 2016	100.00	0.00	0
YEAR 2017	100.00	0.00	0
YEAR 2018	100.00	0.00	0
YEAR 2019	100.00	0.00	0
YEAR 2020	100.00	0.00	0
YEAR 2021	100.00	0.00	0
YEAR 2022	100.00	0.00	0
YEAR 2023	100.00	0.00	0
YEAR 2024	100.00	0.00	0
YEAR 2025	100.00	0.00	0
YEAR 2026	100.00	0.00	0
YEAR 2027	100.00	0.00	0
YEAR 2028	100.00	0.00	0
YEAR 2029	100.00	0.00	0
YEAR 2030	100.00	0.00	0
YEAR 2031	100.00	0.00	0
YEAR 2032	100.00	0.00	0
YEAR 2033	100.00	0.00	0
YEAR 2034	100.00	0.00	0
YEAR 2035	100.00	0.00	0
YEAR 2036	100.00	0.00	0
YEAR 2037	100.00	0.00	0
YEAR 2038	100.00	0.00	0
YEAR 2039	100.00	0.00	0
YEAR 2040	100.00	0.00	0

UNIT FUEL TYPE	FUEL ID	25	0	0
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				
----- YEAR 2018 -----				
----- YEAR 2019 -----				
----- YEAR 2020 -----				
----- YEAR 2021 -----				
----- YEAR 2022 -----				
----- YEAR 2023 -----				
----- YEAR 2024 -----				
----- YEAR 2025 -----				
----- YEAR 2026 -----				
----- YEAR 2027 -----				
----- YEAR 2028 -----				
----- YEAR 2029 -----				
----- YEAR 2030 -----				
----- YEAR 2031 -----				
----- YEAR 2032 -----				
----- YEAR 2033 -----				
----- YEAR 2034 -----				
----- YEAR 2035 -----				
----- YEAR 2036 -----				
----- YEAR 2037 -----				
----- YEAR 2038 -----				
----- YEAR 2039 -----				
----- YEAR 2040 -----				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	174	IGCC KP	1	2	3
YEAR 2011					
MINIMUM BURN PCT		100.00	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS		0.00	0.00	0.00	0.00
UNIT FUEL TYPE		45	0	0	0
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT UNIT FUELS	175	PC_UL_KP	1	2	3
YEAR 2011					
MINIMUM BURN PCT		100.00	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS		0.00	0.00	0.00	0.00
UNIT FUEL TYPE		45	0	0	0
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					

----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

 THERMAL UNIT
 UNIT FUELS

176 NUKE_KP 1 1 2 3

----- YEAR 2011 -----
 MINIMUM BURN FUEL
 UNIT FUEL AUXILIARY COSTS
 UNIT FUEL TYPE

MINIMUM BURN FUEL	\$/MBTU	100.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS		0.00	0.00	0.00
UNIT FUEL TYPE		25	0	0

----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	176	NUKE_KP	1	2	3
YEAR 2023	---	---	---	---	---
YEAR 2024	---	---	---	---	---
YEAR 2025	---	---	---	---	---
YEAR 2026	---	---	---	---	---
YEAR 2027	---	---	---	---	---
YEAR 2028	---	---	---	---	---
YEAR 2029	---	---	---	---	---
YEAR 2030	---	---	---	---	---
YEAR 2031	---	---	---	---	---
YEAR 2032	---	---	---	---	---
YEAR 2033	---	---	---	---	---
YEAR 2034	---	---	---	---	---
YEAR 2035	---	---	---	---	---
YEAR 2036	---	---	---	---	---
YEAR 2037	---	---	---	---	---
YEAR 2038	---	---	---	---	---
YEAR 2039	---	---	---	---	---
YEAR 2040	---	---	---	---	---

THERMAL UNIT UNIT FUELS	177	IGCC OH	1	2	3
YEAR 2011	---	---	---	---	---
YEAR 2012	---	---	---	---	---
YEAR 2013	---	---	---	---	---
YEAR 2014	---	---	---	---	---
YEAR 2015	---	---	---	---	---
YEAR 2016	---	---	---	---	---
YEAR 2017	---	---	---	---	---
YEAR 2018	---	---	---	---	---
YEAR 2019	---	---	---	---	---
YEAR 2020	---	---	---	---	---
YEAR 2021	---	---	---	---	---
YEAR 2022	---	---	---	---	---
YEAR 2023	---	---	---	---	---
YEAR 2024	---	---	---	---	---
YEAR 2025	---	---	---	---	---
YEAR 2026	---	---	---	---	---
YEAR 2027	---	---	---	---	---
YEAR 2028	---	---	---	---	---
YEAR 2029	---	---	---	---	---
YEAR 2030	---	---	---	---	---
YEAR 2031	---	---	---	---	---
YEAR 2032	---	---	---	---	---
YEAR 2033	---	---	---	---	---
YEAR 2034	---	---	---	---	---
YEAR 2035	---	---	---	---	---
YEAR 2036	---	---	---	---	---
YEAR 2037	---	---	---	---	---

MINIMUM BURN PCT	%	100.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.00	0.00	0.00
UNIT FUEL TYPE	FUEL ID	45	0	0
YEAR 2011	---	---	---	---
YEAR 2012	---	---	---	---
YEAR 2013	---	---	---	---
YEAR 2014	---	---	---	---
YEAR 2015	---	---	---	---
YEAR 2016	---	---	---	---
YEAR 2017	---	---	---	---
YEAR 2018	---	---	---	---
YEAR 2019	---	---	---	---
YEAR 2020	---	---	---	---
YEAR 2021	---	---	---	---
YEAR 2022	---	---	---	---
YEAR 2023	---	---	---	---
YEAR 2024	---	---	---	---
YEAR 2025	---	---	---	---
YEAR 2026	---	---	---	---
YEAR 2027	---	---	---	---
YEAR 2028	---	---	---	---
YEAR 2029	---	---	---	---
YEAR 2030	---	---	---	---
YEAR 2031	---	---	---	---
YEAR 2032	---	---	---	---
YEAR 2033	---	---	---	---
YEAR 2034	---	---	---	---
YEAR 2035	---	---	---	---
YEAR 2036	---	---	---	---
YEAR 2037	---	---	---	---

YEAR 2038	YEAR 2039	YEAR 2040	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035							
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----							
THERMAL UNIT			178	PC_UL_OH	1	1	2	3																										
UNIT FUELS																																		
MINIMUM BURN PCT									100.00																									
UNIT FUEL AUXILIARY COSTS									0.00	0.00																								
UNIT FUEL TYPE									0.45	0	0.00	0.00																						

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	178	PG_UL_OH 1	1	2	3
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT UNIT FUELS	179	NUKE OH 1	1	2	3
YEAR 2011					
MINIMUM BURN PCT		100.00	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS		0.00	0.00	0.00	0.00
UNIT FUEL TYPE		25	0	0	0

YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT UNIT FUELS	181	RPID_03 1	1	2	3
YEAR 2011					
MINIMUM BURN PCT		100.00	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS		0.06	0.00	0.00	0.00
UNIT FUEL TYPE		80	0	0	0

YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					

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----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

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THERMAL UNIT           182   RPID_04  1  1  2  3
UNIT FUELS

```

```

----- YEAR 2011 -----
MINIMUM BURN PCT          100.00
UNIT FUEL AUXILIARY COSTS 0.06
UNIT FUEL TYPE            FUEL ID  60

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----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----

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NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT	182	RPID_04	1	2	3
UNIT FUELS					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT
UNIT FUELS

183 RPID_08 1 1 2 3

MINIMUM BORN PCT
UNIT FUEL AUXILIARY COSTS
UNIT FUEL TYPE

%
\$/MBTU
FUEL ID

100.00
0.06
60

0.00
0.00
0

0.00
0.00
0

YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					

-----	YEAR 2031	-----							
-----	YEAR 2032	-----							
-----	YEAR 2033	-----							
-----	YEAR 2034	-----							
-----	YEAR 2035	-----							
-----	YEAR 2036	-----							
-----	YEAR 2037	-----							
-----	YEAR 2038	-----							
-----	YEAR 2039	-----							
-----	YEAR 2040	-----							
THERMAL UNIT									
UNIT FUELS	184	RP1D_20	1	1	2	3			
----- YEAR 2011 -----									
MINIMUM BURN PCT			100.00		0.00		0.00		
UNIT FUEL AUXILIARY COSTS			0.06		0.00		0.00		
UNIT FUEL TYPE			60		0		0		
-----	YEAR 2012	-----							
-----	YEAR 2013	-----							
-----	YEAR 2014	-----							
-----	YEAR 2015	-----							
-----	YEAR 2016	-----							
-----	YEAR 2017	-----							
-----	YEAR 2018	-----							
-----	YEAR 2019	-----							
-----	YEAR 2020	-----							
-----	YEAR 2021	-----							
-----	YEAR 2022	-----							
-----	YEAR 2023	-----							
-----	YEAR 2024	-----							
-----	YEAR 2025	-----							
-----	YEAR 2026	-----							
-----	YEAR 2027	-----							
-----	YEAR 2028	-----							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	184	RP1R_20	1	2	3
----- YEAR 2029 -----					
----- YEAR 2030 -----					
----- YEAR 2031 -----					
----- YEAR 2032 -----					
----- YEAR 2033 -----					
----- YEAR 2034 -----					
----- YEAR 2035 -----					
----- YEAR 2036 -----					
----- YEAR 2037 -----					
----- YEAR 2038 -----					
----- YEAR 2039 -----					
----- YEAR 2040 -----					
THERMAL UNIT	186	RP1R_1M	1	2	3
UNIT FUELS					
----- YEAR 2011 -----					
MINIMUM BURN PCT	%	100.00	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.41	0.00	0.00	0.00
UNIT FUEL TYPE	FUEL ID	58	0	0	0
----- YEAR 2012 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.43	0.00	0.00	0.00
----- YEAR 2013 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.43	0.00	0.00	0.00
----- YEAR 2014 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.44	0.00	0.00	0.00
----- YEAR 2015 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.45	0.00	0.00	0.00
----- YEAR 2016 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.46	0.00	0.00	0.00
----- YEAR 2017 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.48	0.00	0.00	0.00
----- YEAR 2018 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.49	0.00	0.00	0.00
----- YEAR 2019 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.50	0.00	0.00	0.00
----- YEAR 2020 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.51	0.00	0.00	0.00
----- YEAR 2021 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.53	0.00	0.00	0.00
----- YEAR 2022 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.54	0.00	0.00	0.00
----- YEAR 2023 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.55	0.00	0.00	0.00
----- YEAR 2024 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.57	0.00	0.00	0.00
----- YEAR 2025 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.58	0.00	0.00	0.00
----- YEAR 2026 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.60	0.00	0.00	0.00
----- YEAR 2027 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.61	0.00	0.00	0.00
----- YEAR 2028 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.63	0.00	0.00	0.00
----- YEAR 2029 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.64	0.00	0.00	0.00
----- YEAR 2030 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.66	0.00	0.00	0.00
----- YEAR 2031 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.68	0.00	0.00	0.00
----- YEAR 2032 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.70	0.00	0.00	0.00
----- YEAR 2033 -----					

UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.71	0.00	0.00
----- YEAR 2034 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.73	0.00	0.00
----- YEAR 2035 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.75	0.00	0.00
----- YEAR 2036 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.77	0.00	0.00
----- YEAR 2037 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.79	0.00	0.00
----- YEAR 2038 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.81	0.00	0.00
----- YEAR 2039 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.83	0.00	0.00
----- YEAR 2040 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.85	0.00	0.00
----- THERMAL UNIT -----				
UNIT FUELS	187	RP2TR_1M	1	2
----- YEAR 2011 -----				
MINIMUM BURN PCT	%	100.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.41	0.00	0.00
UNIT FUEL TYPE	FUEL_ID	59	0	0
----- YEAR 2012 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.43	0.00	0.00
----- YEAR 2013 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.43	0.00	0.00
----- YEAR 2014 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.44	0.00	0.00
----- YEAR 2015 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.45	0.00	0.00
----- YEAR 2016 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.46	0.00	0.00
----- YEAR 2017 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.48	0.00	0.00
----- YEAR 2018 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.49	0.00	0.00
----- YEAR 2019 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.50	0.00	0.00
----- YEAR 2020 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.51	0.00	0.00
----- YEAR 2021 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.53	0.00	0.00

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

UNIT FUELS	187	REPTR_IM	1	2	2	3
----- YEAR 2022 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.54	0.00	0.00	0.00	
----- YEAR 2023 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.55	0.00	0.00	0.00	
----- YEAR 2024 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.57	0.00	0.00	0.00	
----- YEAR 2025 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.58	0.00	0.00	0.00	
----- YEAR 2026 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.60	0.00	0.00	0.00	
----- YEAR 2027 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.61	0.00	0.00	0.00	
----- YEAR 2028 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.63	0.00	0.00	0.00	
----- YEAR 2029 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.64	0.00	0.00	0.00	
----- YEAR 2030 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.66	0.00	0.00	0.00	
----- YEAR 2031 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.68	0.00	0.00	0.00	
----- YEAR 2032 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.70	0.00	0.00	0.00	
----- YEAR 2033 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.71	0.00	0.00	0.00	
----- YEAR 2034 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.73	0.00	0.00	0.00	
----- YEAR 2035 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.75	0.00	0.00	0.00	
----- YEAR 2036 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.77	0.00	0.00	0.00	
----- YEAR 2037 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.79	0.00	0.00	0.00	
----- YEAR 2038 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.81	0.00	0.00	0.00	
----- YEAR 2039 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.83	0.00	0.00	0.00	
----- YEAR 2040 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.85	0.00	0.00	0.00	
----- THERMAL UNIT -----						
UNIT FUELS	188	RP1TR_KP	1	2	3	
----- YEAR 2011 -----						
MINIMUM BURN PCT	%	100.00	0.00	0.00	0.00	
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.41	0.00	0.00	0.00	
FUEL ID		58	0	0	0	
----- YEAR 2012 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.43	0.00	0.00	0.00	
----- YEAR 2013 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.43	0.00	0.00	0.00	
----- YEAR 2014 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.44	0.00	0.00	0.00	
----- YEAR 2015 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.45	0.00	0.00	0.00	
----- YEAR 2016 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.46	0.00	0.00	0.00	
----- YEAR 2017 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.48	0.00	0.00	0.00	
----- YEAR 2018 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.49	0.00	0.00	0.00	
----- YEAR 2019 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.50	0.00	0.00	0.00	
----- YEAR 2020 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.51	0.00	0.00	0.00	
----- YEAR 2021 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.53	0.00	0.00	0.00	
----- YEAR 2022 -----						

4-Company East Optimization

UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.54	0.00	0.00	0.00
----- YEAR 2023 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.55	0.00	0.00	0.00
----- YEAR 2024 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.57	0.00	0.00	0.00
----- YEAR 2025 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.58	0.00	0.00	0.00
----- YEAR 2026 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.60	0.00	0.00	0.00
----- YEAR 2027 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.61	0.00	0.00	0.00
----- YEAR 2028 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.63	0.00	0.00	0.00
----- YEAR 2029 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.64	0.00	0.00	0.00
----- YEAR 2030 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.66	0.00	0.00	0.00
----- YEAR 2031 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.68	0.00	0.00	0.00
----- YEAR 2032 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.70	0.00	0.00	0.00
----- YEAR 2033 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.71	0.00	0.00	0.00
----- YEAR 2034 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.73	0.00	0.00	0.00
----- YEAR 2035 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.75	0.00	0.00	0.00
----- YEAR 2036 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.77	0.00	0.00	0.00
----- YEAR 2037 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.79	0.00	0.00	0.00
----- YEAR 2038 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.81	0.00	0.00	0.00
----- YEAR 2039 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.83	0.00	0.00	0.00
----- YEAR 2040 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.85	0.00	0.00	0.00
----- YEAR 2011 -----					
THRRMAL UNIT	189	RPZTR_KP	1	2	3
UNIT FUELS					
----- YEAR 2011 -----					
MINIMUM BURN PCT	%	100.00	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.41	0.00	0.00	0.00

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

UNIT FUELS	189	REPTR_KP	1	2	2	3
----- YEAR 2011 -----						
UNIT FUEL TYPE	FUEL ID	59	0	0	0	0
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.43	0.00	0.00	0.00	0.00
----- YEAR 2012 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.43	0.00	0.00	0.00	0.00
----- YEAR 2013 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.44	0.00	0.00	0.00	0.00
----- YEAR 2014 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.45	0.00	0.00	0.00	0.00
----- YEAR 2015 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.46	0.00	0.00	0.00	0.00
----- YEAR 2016 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.48	0.00	0.00	0.00	0.00
----- YEAR 2017 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.49	0.00	0.00	0.00	0.00
----- YEAR 2018 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.50	0.00	0.00	0.00	0.00
----- YEAR 2019 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.51	0.00	0.00	0.00	0.00
----- YEAR 2020 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.53	0.00	0.00	0.00	0.00
----- YEAR 2021 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.54	0.00	0.00	0.00	0.00
----- YEAR 2022 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.55	0.00	0.00	0.00	0.00
----- YEAR 2023 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.57	0.00	0.00	0.00	0.00
----- YEAR 2024 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.58	0.00	0.00	0.00	0.00
----- YEAR 2025 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.60	0.00	0.00	0.00	0.00
----- YEAR 2026 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.61	0.00	0.00	0.00	0.00
----- YEAR 2027 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.63	0.00	0.00	0.00	0.00
----- YEAR 2028 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.64	0.00	0.00	0.00	0.00
----- YEAR 2029 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.66	0.00	0.00	0.00	0.00
----- YEAR 2030 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.68	0.00	0.00	0.00	0.00
----- YEAR 2031 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.70	0.00	0.00	0.00	0.00
----- YEAR 2032 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.71	0.00	0.00	0.00	0.00
----- YEAR 2033 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.73	0.00	0.00	0.00	0.00
----- YEAR 2034 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.75	0.00	0.00	0.00	0.00
----- YEAR 2035 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.77	0.00	0.00	0.00	0.00
----- YEAR 2036 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.79	0.00	0.00	0.00	0.00
----- YEAR 2037 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.81	0.00	0.00	0.00	0.00
----- YEAR 2038 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.83	0.00	0.00	0.00	0.00
----- YEAR 2039 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.85	0.00	0.00	0.00	0.00
----- YEAR 2040 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	1.90	0.00	0.00	0.00	0.00
----- YEAR 2011 -----						
UNIT FUELS	T4_TRONA	1	4	2	3	
----- YEAR 2011 -----						
MINIMUM BURD PCT	%	100.00	0.00	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.15	0.00	0.00	0.00	0.00

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UNIT FUEL TYPE	FUEL ID	69	0	0
----- YEAR 2012 ----- UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.16	0.00	0.00
----- YEAR 2013 ----- UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.16	0.00	0.00
----- YEAR 2014 ----- UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.17	0.00	0.00
----- YEAR 2015 ----- UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.17	0.00	0.00
----- YEAR 2016 ----- UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.18	0.00	0.00
----- YEAR 2017 ----- UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.18	0.00	0.00
----- YEAR 2018 ----- UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.19	0.00	0.00
----- YEAR 2019 ----- UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.19	0.00	0.00
----- YEAR 2020 ----- UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.20	0.00	0.00
----- YEAR 2021 ----- UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.20	0.00	0.00
----- YEAR 2022 ----- UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.21	0.00	0.00
----- YEAR 2023 ----- UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.22	0.00	0.00
----- YEAR 2024 ----- UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.22	0.00	0.00
----- YEAR 2025 ----- UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.23	0.00	0.00
----- YEAR 2026 ----- UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.23	0.00	0.00
----- YEAR 2027 ----- UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.24	0.00	0.00
----- YEAR 2028 ----- UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.25	0.00	0.00
----- YEAR 2029 ----- UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.26	0.00	0.00
----- YEAR 2030 ----- UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.26	0.00	0.00
----- YEAR 2031 ----- UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.27	0.00	0.00

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

UNIT FUELS	190	T4_TROVA	1	4	2	3
----- YEAR 2032 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.28	0.00	0.00	0.00	
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.29	0.00	0.00	0.00	
----- YEAR 2034 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.29	0.00	0.00	0.00	
----- YEAR 2035 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.30	0.00	0.00	0.00	
----- YEAR 2036 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.31	0.00	0.00	0.00	
----- YEAR 2037 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.32	0.00	0.00	0.00	
----- YEAR 2038 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.33	0.00	0.00	0.00	
----- YEAR 2039 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.34	0.00	0.00	0.00	
----- YEAR 2040 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.35	0.00	0.00	0.00	
THERMAL UNIT	191	T4_TROCR	1	4	2	3
UNIT FUELS						
----- YEAR 2011 -----						
MINIMUM BURN PCT	%	100.00	0.00	0.00	0.00	
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.15	0.00	0.00	0.00	
UNIT FUEL TYPE	FUEL ID	69	0	0	0	
----- YEAR 2012 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.16	0.00	0.00	0.00	
----- YEAR 2013 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.16	0.00	0.00	0.00	
----- YEAR 2014 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.17	0.00	0.00	0.00	
----- YEAR 2015 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.17	0.00	0.00	0.00	
----- YEAR 2016 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.18	0.00	0.00	0.00	
----- YEAR 2017 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.18	0.00	0.00	0.00	
----- YEAR 2018 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.18	0.00	0.00	0.00	
----- YEAR 2019 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.19	0.00	0.00	0.00	
----- YEAR 2020 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.20	0.00	0.00	0.00	
----- YEAR 2021 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.20	0.00	0.00	0.00	
----- YEAR 2022 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.21	0.00	0.00	0.00	
----- YEAR 2023 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.22	0.00	0.00	0.00	
----- YEAR 2024 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.22	0.00	0.00	0.00	
----- YEAR 2025 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.23	0.00	0.00	0.00	
----- YEAR 2026 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.23	0.00	0.00	0.00	
----- YEAR 2027 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.24	0.00	0.00	0.00	
----- YEAR 2028 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.25	0.00	0.00	0.00	
----- YEAR 2029 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.26	0.00	0.00	0.00	
----- YEAR 2030 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.26	0.00	0.00	0.00	
----- YEAR 2031 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.27	0.00	0.00	0.00	
----- YEAR 2032 -----						

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UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.28	0.00	0.00
----- YEAR 2033 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.29	0.00	0.00
----- YEAR 2034 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.29	0.00	0.00
----- YEAR 2035 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.30	0.00	0.00
----- YEAR 2036 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.31	0.00	0.00
----- YEAR 2037 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.32	0.00	0.00
----- YEAR 2038 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.33	0.00	0.00
----- YEAR 2039 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.34	0.00	0.00
----- YEAR 2040 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.35	0.00	0.00
----- YEAR 2041 -----				
UNIT FUELS	MR_STKR1	1	1	3
----- YEAR 2011 -----				
MINIMUM BURN PCT	%	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.00	0.00	0.00
UNIT FUEL TYPE	FUEL ID	606	0	0
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				
----- YEAR 2018 -----				
----- YEAR 2019 -----				
----- YEAR 2020 -----				
----- YEAR 2021 -----				
----- YEAR 2022 -----				
----- YEAR 2023 -----				
----- YEAR 2024 -----				
----- YEAR 2025 -----				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

YEAR	MR_STKR1	2	3
YEAR 2026	1		
YEAR 2027			
YEAR 2028			
YEAR 2029			
YEAR 2030			
YEAR 2031			
YEAR 2032			
YEAR 2033			
YEAR 2034			
YEAR 2035			
YEAR 2036			
YEAR 2037			
YEAR 2038			
YEAR 2039			
YEAR 2040			

YEAR	MR_STKR2	1	2	3
YEAR 2011	1			
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				
YEAR 2038				
YEAR 2039				
YEAR 2040				

YEAR	FUEL ID	%	S/MBTU
YEAR 2011	606	0.00	0.00
YEAR 2012		0.00	0.00
YEAR 2013		0.00	0.00
YEAR 2014		0.00	0.00
YEAR 2015		0.00	0.00
YEAR 2016		0.00	0.00
YEAR 2017		0.00	0.00
YEAR 2018		0.00	0.00
YEAR 2019		0.00	0.00
YEAR 2020		0.00	0.00
YEAR 2021		0.00	0.00
YEAR 2022		0.00	0.00
YEAR 2023		0.00	0.00
YEAR 2024		0.00	0.00
YEAR 2025		0.00	0.00
YEAR 2026		0.00	0.00
YEAR 2027		0.00	0.00
YEAR 2028		0.00	0.00
YEAR 2029		0.00	0.00
YEAR 2030		0.00	0.00
YEAR 2031		0.00	0.00
YEAR 2032		0.00	0.00
YEAR 2033		0.00	0.00
YEAR 2034		0.00	0.00
YEAR 2035		0.00	0.00
YEAR 2036		0.00	0.00
YEAR 2037		0.00	0.00
YEAR 2038		0.00	0.00
YEAR 2039		0.00	0.00
YEAR 2040		0.00	0.00

UNIT FUELS	228	AMS3_S1	1	3	2	3
----- YEAR 2011 -----						
MINIMUM BURM PCT		89.97			10.03	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.00			0.00	0.00
UNIT FUEL TYPE	FUEL ID	3			611	0
----- YEAR 2012 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.00			0.00	0.00
----- YEAR 2013 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.00			0.00	0.00
----- YEAR 2014 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.01			0.00	0.00
----- YEAR 2015 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.01			0.00	0.00
----- YEAR 2016 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.01			0.00	0.00
----- YEAR 2017 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.01			0.00	0.00
----- YEAR 2018 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.01			0.00	0.00
----- YEAR 2019 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.01			0.00	0.00
----- YEAR 2020 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.01			0.00	0.00
----- YEAR 2021 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.01			0.00	0.00
----- YEAR 2022 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.01			0.00	0.00
----- YEAR 2023 -----						
----- YEAR 2024 -----						
----- YEAR 2025 -----						
----- YEAR 2026 -----						
----- YEAR 2027 -----						
----- YEAR 2028 -----						
----- YEAR 2029 -----						
----- YEAR 2030 -----						
----- YEAR 2031 -----						
----- YEAR 2032 -----						
----- YEAR 2033 -----						

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

UNIT FUELS	228	AMS3_SI	1	3	2	3
----- YEAR 2034 -----						
----- YEAR 2035 -----						
----- YEAR 2036 -----						
----- YEAR 2037 -----						
----- YEAR 2038 -----						
----- YEAR 2039 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.00	0.00	0.00	0.00	
----- YEAR 2040 -----						
THERMAL UNIT	229	BS2_SI	1	2	3	
UNIT FUELS						
----- YEAR 2011 -----						
MINIMUM BURN PCT	%	89.97	10.03	0.00	0.00	
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.01	0.00	0.00	0.00	
UNIT FUEL TYPE	FUEL ID	6	612	0	0	
----- YEAR 2012 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.01	0.00	0.00	0.00	
----- YEAR 2013 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.01	0.00	0.00	0.00	
----- YEAR 2014 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.01	0.00	0.00	0.00	
----- YEAR 2015 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.01	0.00	0.00	0.00	
----- YEAR 2016 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.01	0.00	0.00	0.00	
----- YEAR 2017 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.01	0.00	0.00	0.00	
----- YEAR 2018 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.01	0.00	0.00	0.00	
----- YEAR 2019 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.02	0.00	0.00	0.00	
----- YEAR 2020 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.02	0.00	0.00	0.00	
----- YEAR 2021 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.02	0.00	0.00	0.00	
----- YEAR 2022 -----						
----- YEAR 2023 -----						
----- YEAR 2024 -----						
----- YEAR 2025 -----						
----- YEAR 2026 -----						
----- YEAR 2027 -----						
----- YEAR 2028 -----						
----- YEAR 2029 -----						
----- YEAR 2030 -----						
----- YEAR 2031 -----						
----- YEAR 2032 -----						
----- YEAR 2033 -----						
----- YEAR 2034 -----						
----- YEAR 2035 -----						
----- YEAR 2036 -----						
----- YEAR 2037 -----						
----- YEAR 2038 -----						
----- YEAR 2039 -----						
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.00	0.00	0.00	0.00	
----- YEAR 2040 -----						
THERMAL UNIT	230	MRS_CF	1	5	2	3
UNIT FUELS						
----- YEAR 2011 -----						

4-Company East Optimization

MINIMUM BURN PCT				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	98.00	2.00	0.00
UNIT FUEL TYPE	FUEL ID	0.01	0.00	0.00
		50	609	0
----- YEAR 2012 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.01	0.00	0.00
----- YEAR 2013 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.01	0.00	0.00
----- YEAR 2014 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.01	0.00	0.00
----- YEAR 2015 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.01	0.00	0.00
----- YEAR 2016 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.02	0.00	0.00
----- YEAR 2017 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.02	0.00	0.00
----- YEAR 2018 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.02	0.00	0.00
----- YEAR 2019 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.02	0.00	0.00
----- YEAR 2020 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.02	0.00	0.00
----- YEAR 2021 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.02	0.00	0.00
----- YEAR 2022 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.02	0.00	0.00
----- YEAR 2023 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.02	0.00	0.00
----- YEAR 2024 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.02	0.00	0.00
----- YEAR 2025 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.02	0.00	0.00
----- YEAR 2026 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.02	0.00	0.00
----- YEAR 2027 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.02	0.00	0.00
----- YEAR 2028 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.02	0.00	0.00
----- YEAR 2029 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.02	0.00	0.00
----- YEAR 2030 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.02	0.00	0.00
----- YEAR 2031 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.02	0.00	0.00
----- YEAR 2032 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.02	0.00	0.00
----- YEAR 2033 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.02	0.00	0.00
----- YEAR 2034 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.02	0.00	0.00
----- YEAR 2035 -----				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

4-Company East Optimization

YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037
UNIT FUEL AUXILIARY COSTS	UNIT FUEL AUXILIARY COSTS	UNIT FUEL AUXILIARY COSTS	UNIT FUEL AUXILIARY COSTS	UNIT FUEL AUXILIARY COSTS	UNIT FUEL AUXILIARY COSTS	UNIT FUEL AUXILIARY COSTS	UNIT FUEL AUXILIARY COSTS	UNIT FUEL AUXILIARY COSTS	UNIT FUEL AUXILIARY COSTS	UNIT FUEL AUXILIARY COSTS	UNIT FUEL AUXILIARY COSTS	UNIT FUEL AUXILIARY COSTS	UNIT FUEL AUXILIARY COSTS	UNIT FUEL AUXILIARY COSTS	UNIT FUEL AUXILIARY COSTS	UNIT FUEL AUXILIARY COSTS	UNIT FUEL AUXILIARY COSTS	UNIT FUEL AUXILIARY COSTS	UNIT FUEL AUXILIARY COSTS	UNIT FUEL AUXILIARY COSTS	UNIT FUEL AUXILIARY COSTS	UNIT FUEL AUXILIARY COSTS	UNIT FUEL AUXILIARY COSTS	UNIT FUEL AUXILIARY COSTS	UNIT FUEL AUXILIARY COSTS
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUELI ID	FUELI ID	FUELI ID	FUELI ID	FUELI ID	FUELI ID	FUELI ID	FUELI ID	FUELI ID	FUELI ID	FUELI ID	FUELI ID	FUELI ID	FUELI ID	FUELI ID	FUELI ID	FUELI ID	FUELI ID	FUELI ID	FUELI ID	FUELI ID	FUELI ID	FUELI ID	FUELI ID	FUELI ID	FUELI ID
58	58	624	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

UNIT FUEL AUXILIARY COSTS	YEAR 2013	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	YEAR 2014	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	YEAR 2015	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	YEAR 2016	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	YEAR 2017	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	YEAR 2018	0.02	0.00	0.00
UNIT FUEL AUXILIARY COSTS	YEAR 2019	0.02	0.00	0.00
UNIT FUEL AUXILIARY COSTS	YEAR 2020	0.02	0.00	0.00
UNIT FUEL AUXILIARY COSTS	YEAR 2021	0.02	0.00	0.00
UNIT FUEL AUXILIARY COSTS	YEAR 2022	0.02	0.00	0.00
UNIT FUEL AUXILIARY COSTS	YEAR 2023			
UNIT FUEL AUXILIARY COSTS	YEAR 2024			
UNIT FUEL AUXILIARY COSTS	YEAR 2025			
UNIT FUEL AUXILIARY COSTS	YEAR 2026			
UNIT FUEL AUXILIARY COSTS	YEAR 2027			
UNIT FUEL AUXILIARY COSTS	YEAR 2028			
UNIT FUEL AUXILIARY COSTS	YEAR 2029			
UNIT FUEL AUXILIARY COSTS	YEAR 2030			
UNIT FUEL AUXILIARY COSTS	YEAR 2031			
UNIT FUEL AUXILIARY COSTS	YEAR 2032			
UNIT FUEL AUXILIARY COSTS	YEAR 2033			
UNIT FUEL AUXILIARY COSTS	YEAR 2034			
UNIT FUEL AUXILIARY COSTS	YEAR 2035			
UNIT FUEL AUXILIARY COSTS	YEAR 2036			
UNIT FUEL AUXILIARY COSTS	YEAR 2037			
UNIT FUEL AUXILIARY COSTS	YEAR 2038			

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	234	RPT1_SI	1	2	3
UNIT FUELS		1	1	2	3
YEAR 2039					
UNIT FUELS AUXILIARY COSTS	\$/MBTU	0.00	0.00	0.00	0.00
YEAR 2040					

THERMAL UNIT	235	RPT2_SI	1	2	3
UNIT FUELS		1	1	2	3
YEAR 2011					
MINIMUM BURN PCT	%	89.97	10.03	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.00	0.00	0.00	0.00
UNIT FUEL TYPE	FUEL ID	59	59	625	625

UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.00	0.00	0.00	0.00
UNIT FUEL TYPE	FUEL ID	59	625	625	625
YEAR 2013					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.00	0.00	0.00	0.00
YEAR 2014					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.00	0.00	0.00	0.00
YEAR 2015					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.00	0.00	0.00	0.00
YEAR 2016					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.00	0.00	0.00	0.00
YEAR 2017					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.00	0.00	0.00	0.00
YEAR 2018					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.02	0.00	0.00	0.00
YEAR 2019					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.02	0.00	0.00	0.00
YEAR 2020					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.02	0.00	0.00	0.00
YEAR 2021					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.02	0.00	0.00	0.00
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.00	0.00	0.00	0.00
YEAR 2040					

THERMAL UNIT	251	DC1_HPT	1	2	3
UNIT FUELS		1	1	2	3
YEAR 2011					
MINIMUM BURN PCT	%	100.00	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.00	0.00	0.00	0.00
UNIT FUEL TYPE	FUEL ID	25	0	0	0
YEAR 2012					
YEAR 2013					
YEAR 2014					

-----	YEAR 2015	-----							
-----	YEAR 2016	-----							
-----	YEAR 2017	-----							
-----	YEAR 2018	-----							
-----	YEAR 2019	-----							
-----	YEAR 2020	-----							
-----	YEAR 2021	-----							
-----	YEAR 2022	-----							
-----	YEAR 2023	-----							
-----	YEAR 2024	-----							
-----	YEAR 2025	-----							
-----	YEAR 2026	-----							
-----	YEAR 2027	-----							
-----	YEAR 2028	-----							
-----	YEAR 2029	-----							
-----	YEAR 2030	-----							
-----	YEAR 2031	-----							
-----	YEAR 2032	-----							
-----	YEAR 2033	-----							
-----	YEAR 2034	-----							
-----	YEAR 2035	-----							
-----	YEAR 2036	-----							
-----	YEAR 2037	-----							
-----	YEAR 2038	-----							
-----	YEAR 2039	-----							
-----	YEAR 2040	-----							
-----	YEAR 2012	-----							
-----	YEAR 2011	-----							
-----	MINIMUM BURN PCT	-----							
-----	UNIT FUEL AUXILIARY COSTS	-----							
-----	UNIT FUEL TYPE	-----							
-----	YEAR 2011	-----							
-----	YEAR 2012	-----							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	252	DC1_IS	1	2	3
UNIT FUELS					

-----	YEAR 2013	-----
-----	YEAR 2014	-----
-----	YEAR 2015	-----
-----	YEAR 2016	-----
-----	YEAR 2017	-----
-----	YEAR 2018	-----
-----	YEAR 2019	-----
-----	YEAR 2020	-----
-----	YEAR 2021	-----
-----	YEAR 2022	-----
-----	YEAR 2023	-----
-----	YEAR 2024	-----
-----	YEAR 2025	-----
-----	YEAR 2026	-----
-----	YEAR 2027	-----
-----	YEAR 2028	-----
-----	YEAR 2029	-----
-----	YEAR 2030	-----
-----	YEAR 2031	-----
-----	YEAR 2032	-----
-----	YEAR 2033	-----
-----	YEAR 2034	-----
-----	YEAR 2035	-----
-----	YEAR 2036	-----
-----	YEAR 2037	-----
-----	YEAR 2038	-----
-----	YEAR 2039	-----
-----	YEAR 2040	-----

THERMAL UNIT	253	DC1_EFF	1	2	3
UNIT FUELS					

-----	YEAR 2011	-----
-----	YEAR 2012	-----
-----	YEAR 2013	-----
-----	YEAR 2014	-----
-----	YEAR 2015	-----
-----	YEAR 2016	-----
-----	YEAR 2017	-----
-----	YEAR 2018	-----
-----	YEAR 2019	-----
-----	YEAR 2020	-----
-----	YEAR 2021	-----
-----	YEAR 2022	-----
-----	YEAR 2023	-----
-----	YEAR 2024	-----
-----	YEAR 2025	-----
-----	YEAR 2026	-----
-----	YEAR 2027	-----

MINIMUM BURN PCT	%	100.00	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.00	0.00	0.00	0.00
UNIT FUEL TYPE	FUEL ID	25	0	0	0

-----	YEAR 2028	-----							
-----	YEAR 2029	-----							
-----	YEAR 2030	-----							
-----	YEAR 2031	-----							
-----	YEAR 2032	-----							
-----	YEAR 2033	-----							
-----	YEAR 2034	-----							
-----	YEAR 2035	-----							
-----	YEAR 2036	-----							
-----	YEAR 2037	-----							
-----	YEAR 2038	-----							
-----	YEAR 2039	-----							
-----	YEAR 2040	-----							
-----	THERMAL UNIT	254	DC1_17	1	1				
-----	UNIT FUELS					2			3
-----	YEAR 2011	-----							
-----	MINIMUM BURN PCT				100.00	0.00		0.00	
-----	UNIT FUEL AUXILIARY COSTS				0.00	0.00		0.00	
-----	UNIT FUEL TYPE				25	0		0	
-----	YEAR 2012	-----							
-----	YEAR 2013	-----							
-----	YEAR 2014	-----							
-----	YEAR 2015	-----							
-----	YEAR 2016	-----							
-----	YEAR 2017	-----							
-----	YEAR 2018	-----							
-----	YEAR 2019	-----							
-----	YEAR 2020	-----							
-----	YEAR 2021	-----							
-----	YEAR 2022	-----							
-----	YEAR 2023	-----							
-----	YEAR 2024	-----							
-----	YEAR 2025	-----							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	UNIT FUELS	DC1_17	1	2	3
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT	UNIT FUELS	DC1_17	1	2	3
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

MINIMUM BURH PCT	UNIT FUEL AUXILIARY COSTS	% \$/MBTU FUEL ID	DC1_3800	1	2	3
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

YEAR 2011		100.00		0.00	0.00
YEAR 2012		0.00		0.00	0.00
YEAR 2013		0.25		0	0
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

MINIMUM BURN PCT UNIT FUEL AUXILIARY COSTS UNIT FUEL TYPE	257	DC2_HPF	1	2	3
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	257	DC2_HPT	1	2	2	3
YEAR 2039						
YEAR 2040						
THERMAL UNIT UNIT FUELS	258	DC2_EFF	1	2	2	3
YEAR 2011						
MINIMUM BURN PCT		100.00		0.00		0.00
UNIT FUEL AUXILIARY COSTS		0.00		0.00		0.00
UNIT FUEL TYPE		26		0		0
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						
THERMAL UNIT UNIT FUELS	259	DC2_SPU	1	2	2	3
YEAR 2011						
MINIMUM BURN PCT		100.00		0.00		0.00
UNIT FUEL AUXILIARY COSTS		0.00		0.00		0.00
UNIT FUEL TYPE		26		0		0
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						

-----	YEAR 2021	-----
-----	YEAR 2022	-----
-----	YEAR 2023	-----
-----	YEAR 2024	-----
-----	YEAR 2025	-----
-----	YEAR 2026	-----
-----	YEAR 2027	-----
-----	YEAR 2028	-----
-----	YEAR 2029	-----
-----	YEAR 2030	-----
-----	YEAR 2031	-----
-----	YEAR 2032	-----
-----	YEAR 2033	-----
-----	YEAR 2034	-----
-----	YEAR 2035	-----
-----	YEAR 2036	-----
-----	YEAR 2037	-----
-----	YEAR 2038	-----
-----	YEAR 2039	-----
-----	YEAR 2040	-----

-----	YEAR 2011	-----
-----	YEAR 2012	-----
-----	YEAR 2013	-----
-----	YEAR 2014	-----
-----	YEAR 2015	-----
-----	YEAR 2016	-----
-----	YEAR 2017	-----
-----	YEAR 2018	-----

NOTE: DATA DISPLAYED AFTER 2011 ONLY. IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	260	DC2_3800	1	2	3
UNIT FUELS					

-----	YEAR 2019	-----
-----	YEAR 2020	-----
-----	YEAR 2021	-----
-----	YEAR 2022	-----
-----	YEAR 2023	-----
-----	YEAR 2024	-----
-----	YEAR 2025	-----
-----	YEAR 2026	-----
-----	YEAR 2027	-----
-----	YEAR 2028	-----
-----	YEAR 2029	-----
-----	YEAR 2030	-----
-----	YEAR 2031	-----
-----	YEAR 2032	-----
-----	YEAR 2033	-----
-----	YEAR 2034	-----
-----	YEAR 2035	-----
-----	YEAR 2036	-----
-----	YEAR 2037	-----
-----	YEAR 2038	-----
-----	YEAR 2039	-----
-----	YEAR 2040	-----

THERMAL UNIT	269	BIGSD_15	1	2	3
UNIT FUELS					

MINIMUM BURN PCT	%	100.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.00	0.00	0.00
UNIT FUEL TYPE	FUEL ID	5	0	0
-----	YEAR 2011	-----		
-----	YEAR 2012	-----		
-----	YEAR 2013	-----		
-----	YEAR 2014	-----		
-----	YEAR 2015	-----		
-----	YEAR 2016	-----		
-----	YEAR 2017	-----		
-----	YEAR 2018	-----		
-----	YEAR 2019	-----		
-----	YEAR 2020	-----		
-----	YEAR 2021	-----		
-----	YEAR 2022	-----		
-----	YEAR 2023	-----		
-----	YEAR 2024	-----		
-----	YEAR 2025	-----		
-----	YEAR 2026	-----		
-----	YEAR 2027	-----		
-----	YEAR 2028	-----		
-----	YEAR 2029	-----		
-----	YEAR 2030	-----		
-----	YEAR 2031	-----		
-----	YEAR 2032	-----		
-----	YEAR 2033	-----		

----- YEAR 2033 -----

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

UNIT FUELS	270	BIGSD_GP	1	2	3
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT 271 CIN_Q_HH 1 2 3
UNIT FUELS

YEAR 2011	%	100.00	0.00	0.00
MINIMUM BURN PCT	\$/MBTU	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	FUEL ID	16	0	0
UNIT FUEL TYPE				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				
YEAR 2038				
YEAR 2039				
YEAR 2040				

THERMAL UNIT 272 CIN_Q_15 1 2 3
UNIT FUELS

YEAR 2011	%	100.00	0.00	0.00
MINIMUM BURN PCT	\$/MBTU	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	FUEL ID	16	0	0
UNIT FUEL TYPE				
YEAR 2012				
YEAR 2013				

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	UNIT FUELS	273	CLN_Q_HM	1	2	3
YEAR 2012	-----					
YEAR 2013	-----					
YEAR 2014	-----					
YEAR 2015	-----					
YEAR 2016	-----					
YEAR 2017	-----					
YEAR 2018	-----					
YEAR 2019	-----					
YEAR 2020	-----					
YEAR 2021	-----					
YEAR 2022	-----					
YEAR 2023	-----					
YEAR 2024	-----					
YEAR 2025	-----					
YEAR 2026	-----					
YEAR 2027	-----					
YEAR 2028	-----					
YEAR 2029	-----					
YEAR 2030	-----					
YEAR 2031	-----					
YEAR 2032	-----					
YEAR 2033	-----					
YEAR 2034	-----					
YEAR 2035	-----					
YEAR 2036	-----					
YEAR 2037	-----					
YEAR 2038	-----					
YEAR 2039	-----					
YEAR 2040	-----					

THERMAL UNIT	UNIT FUELS	274	CLN_Q_15	1	2	3
YEAR 2011	-----					
YEAR 2012	-----					
YEAR 2013	-----					
YEAR 2014	-----					
YEAR 2015	-----					
YEAR 2016	-----					
YEAR 2017	-----					
YEAR 2018	-----					
YEAR 2019	-----					
YEAR 2020	-----					
YEAR 2021	-----					
YEAR 2022	-----					
YEAR 2023	-----					
YEAR 2024	-----					
YEAR 2025	-----					
YEAR 2026	-----					

MINIMUM BURN PCT	UNIT FUEL AUXILIARY COSTS	%	S/MBTU	100.00	0.00	0.00
UNIT FUEL TYPE		FUEL_ID		0.00	0.00	0.00
YEAR 2011	-----			17	0	0
YEAR 2012	-----					
YEAR 2013	-----					
YEAR 2014	-----					
YEAR 2015	-----					
YEAR 2016	-----					
YEAR 2017	-----					
YEAR 2018	-----					
YEAR 2019	-----					
YEAR 2020	-----					
YEAR 2021	-----					
YEAR 2022	-----					
YEAR 2023	-----					
YEAR 2024	-----					
YEAR 2025	-----					
YEAR 2026	-----					

YEAR 2011 -----

YEAR 2012 -----

YEAR 2013 -----

YEAR 2014 -----

YEAR 2015 -----

YEAR 2016 -----

YEAR 2017 -----

YEAR 2018 -----

YEAR 2019 -----

YEAR 2020 -----

YEAR 2021 -----

YEAR 2022 -----

YEAR 2023 -----

YEAR 2024 -----

YEAR 2025 -----

YEAR 2026 -----

YEAR	MINIMUM BURN PCT	UNIT FUEL AUXILIARY COSTS	UNIT FUEL TYPE	CIN_Q_HM	1	2	3
YEAR 2027				275	1		
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							
YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER - GAF.INPUT.THERMAL UNIT.

----- THERMAL UNIT 275 CIN_Q_HM 3
UNIT FUELS 1 2 3

----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

----- THERMAL UNIT 276 CIN_Q_15 3
UNIT FUELS 1 2 3

----- YEAR 2011 -----
----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----

MINIMUM BURD PCT 100.00 0.00 0.00
UNIT FUEL AUXILIARY COSTS 0.00 0.00 0.00
UNIT FUEL TYPE 18 0 0

\$/MBTU 100.00 0.00 0.00
FUEL ID 18 0 0

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

YEAR 2038	277	CVL_3_HM	1	3	2	3
YEAR 2039						
YEAR 2040						

YEAR 2011	278	CVL_3_10	1	3	2	3
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

MINIMUM BURN PCT	%	100.00	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.00	0.00	0.00	0.00
UNIT FUEL TYPE	FUEL ID	21	0	0	0

YEAR 2011	279	GLN_5_HM	1	5	2	3
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						

MINIMUM BURN PCT	%	100.00	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.00	0.00	0.00	0.00
UNIT FUEL TYPE	FUEL ID	29	0	0	0

YEAR 2011
YEAR 2012
YEAR 2013
YEAR 2014
YEAR 2015
YEAR 2016
YEAR 2017
YEAR 2018
YEAR 2019

-----	YEAR 2020	-----							
-----	YEAR 2021	-----							
-----	YEAR 2022	-----							
-----	YEAR 2023	-----							
-----	YEAR 2024	-----							
-----	YEAR 2025	-----							
-----	YEAR 2026	-----							
-----	YEAR 2027	-----							
-----	YEAR 2028	-----							
-----	YEAR 2029	-----							
-----	YEAR 2030	-----							
-----	YEAR 2031	-----							
-----	YEAR 2032	-----							
-----	YEAR 2033	-----							
-----	YEAR 2034	-----							
-----	YEAR 2035	-----							
-----	YEAR 2036	-----							
-----	YEAR 2037	-----							
-----	YEAR 2038	-----							
-----	YEAR 2039	-----							
-----	YEAR 2040	-----							
	HEATING UNIT		280	GLN_5_15					
	UNIT FUELS			1	5	2		3	
-----	YEAR 2011	-----							
	MINIMUM BURN PCT			100.00		0.00		0.00	
	UNIT FUEL AUXILIARY COSTS			0.00		0.00		0.00	
	UNIT FUEL TYPE			29		0		0	
-----	YEAR 2012	-----							
-----	YEAR 2013	-----							
-----	YEAR 2014	-----							
-----	YEAR 2015	-----							
-----	YEAR 2016	-----							
-----	YEAR 2017	-----							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAR.INPUT.THERMAL UNIT.

THERMAL UNIT	280	GLN_5_15	1	5	2	3
UNIT FUELS						

-----	YEAR 2018	-----
-----	YEAR 2019	-----
-----	YEAR 2020	-----
-----	YEAR 2021	-----
-----	YEAR 2022	-----
-----	YEAR 2023	-----
-----	YEAR 2024	-----
-----	YEAR 2025	-----
-----	YEAR 2026	-----
-----	YEAR 2027	-----
-----	YEAR 2028	-----
-----	YEAR 2029	-----
-----	YEAR 2030	-----
-----	YEAR 2031	-----
-----	YEAR 2032	-----
-----	YEAR 2033	-----
-----	YEAR 2034	-----
-----	YEAR 2035	-----
-----	YEAR 2036	-----
-----	YEAR 2037	-----
-----	YEAR 2038	-----
-----	YEAR 2039	-----
-----	YEAR 2040	-----

THERMAL UNIT	281	GLN_6_HM	1	6	2	3
UNIT FUELS						

MINIMUM BURN PCT	%	100.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.00	0.00	0.00
UNIT FUEL TYPE	FUEL ID	30	0	0
-----	YEAR 2011	-----		
-----	YEAR 2012	-----		
-----	YEAR 2013	-----		
-----	YEAR 2014	-----		
-----	YEAR 2015	-----		
-----	YEAR 2016	-----		
-----	YEAR 2017	-----		
-----	YEAR 2018	-----		
-----	YEAR 2019	-----		
-----	YEAR 2020	-----		
-----	YEAR 2021	-----		
-----	YEAR 2022	-----		
-----	YEAR 2023	-----		
-----	YEAR 2024	-----		
-----	YEAR 2025	-----		
-----	YEAR 2026	-----		
-----	YEAR 2027	-----		
-----	YEAR 2028	-----		
-----	YEAR 2029	-----		
-----	YEAR 2030	-----		
-----	YEAR 2031	-----		
-----	YEAR 2032	-----		

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

----- THERMAL UNIT 282 GIN_6_15 6 2 3
UNIT FUELS 1 2 3

----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

----- THERMAL UNIT 283 KMR_F_HM 1 2 3
UNIT FUELS 1 2 3

----- YEAR 2011 -----
MINIMUM BURN PCT 100.00 0.00 0.00
UNIT FUEL AUXILIARY COSTS 0.00 0.00 0.00
UNIT FUEL TYPE 33 0 0
----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

----- THERMAL UNIT 284 KMR_F_GP 1 2 3
UNIT FUELS 1 2 3

----- YEAR 2011 -----
MINIMUM BURN PCT 100.00 0.00 0.00
UNIT FUEL AUXILIARY COSTS 0.00 0.00 0.00
UNIT FUEL TYPE 33 0 0
----- YEAR 2012 -----

----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

----- THERMAL UNIT 285 KWR_F_HM 1 2 2 3
 ----- UNIT FUELS

----- YEAR 2011 -----
 MINIMUM BURN PCT 100.00
 UNIT FUEL AUXILIARY COSTS \$/MBTU 0.00 0.00 0.00

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	285	KMR_F_HM 1	2	3
YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				
YEAR 2038				
YEAR 2039				
YEAR 2040				

THERMAL UNIT UNIT FUELS	286	KMR_F_GP 1	2	3
YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				

MINIMUM BURD PCT UNIT FUEL AUXILIARY COSTS UNIT FUEL TYPE	% \$/MBTU FUEL ID	100.00 0.00 34	0.00 0.00 0	0.00 0.00 0
YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				

----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

----- THERMAL UNIT
----- UNIT FUELS

287 KWR_F_HM 1 3

----- YEAR 2011 -----
MINIMUM BURH PCT
UNIT FUEL AUXILIARY COSTS
UNIT FUEL TYPE

 % 100.00 0.00 0.00
 \$/MBTU 0.00 0.00 0.00
 FUEL ID 35 0 0

----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

----- THERMAL UNIT 287 KMR_F_HM 1 3 2 3

UNIT FUELS

----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

----- THERMAL UNIT 288 KMR_F_GP 1 3 2 3
 UNIT FUELS

----- YEAR 2011 -----
 MINIMUM BURN PCT 100.00
 UNIT FUEL AUXILIARY COSTS 0.00
 UNIT FUEL TYPE 35 FUEL ID 0

----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

YEAR	UNIT FUELS	289	KWA_1_HM	1	2	3
YEAR 2037	-----					
YEAR 2038	-----					
YEAR 2039	-----					
YEAR 2040	-----					
THERMAL UNIT		290	KWA_1_15	1	2	3
UNIT FUELS						

YEAR	UNIT FUELS	291	KWA_2_HM	1	2	3
YEAR 2011	-----					
MINIMUM BURN PCT			100.00		0.00	0.00
UNIT FUEL AUXILIARY COSTS			0.00		0.00	0.00
UNIT FUEL TYPE						
FUEL ID			36		0	0

YEAR 2012	-----					
YEAR 2013	-----					
YEAR 2014	-----					
YEAR 2015	-----					
YEAR 2016	-----					
YEAR 2017	-----					
YEAR 2018	-----					
YEAR 2019	-----					
YEAR 2020	-----					
YEAR 2021	-----					
YEAR 2022	-----					
YEAR 2023	-----					
YEAR 2024	-----					
YEAR 2025	-----					
YEAR 2026	-----					
YEAR 2027	-----					
YEAR 2028	-----					
YEAR 2029	-----					
YEAR 2030	-----					
YEAR 2031	-----					
YEAR 2032	-----					
YEAR 2033	-----					
YEAR 2034	-----					
YEAR 2035	-----					
YEAR 2036	-----					
YEAR 2037	-----					
YEAR 2038	-----					
YEAR 2039	-----					
YEAR 2040	-----					

THERMAL UNIT	291	KWA_2_HM	1	2	3
UNIT FUELS					
YEAR 2011	-----				
MINIMUM BURN PCT		100.00		0.00	0.00
UNIT FUEL AUXILIARY COSTS		0.00		0.00	0.00
UNIT FUEL TYPE					
FUEL ID		37		0	0

YEAR 2012	-----				
YEAR 2013	-----				
YEAR 2014	-----				
YEAR 2015	-----				
YEAR 2016	-----				
YEAR 2017	-----				
YEAR 2018	-----				

-----	YEAR 2019	-----						
-----	YEAR 2020	-----						
-----	YEAR 2021	-----						
-----	YEAR 2022	-----						
-----	YEAR 2023	-----						
-----	YEAR 2024	-----						
-----	YEAR 2025	-----						
-----	YEAR 2026	-----						
-----	YEAR 2027	-----						
-----	YEAR 2028	-----						
-----	YEAR 2029	-----						
-----	YEAR 2030	-----						
-----	YEAR 2031	-----						
-----	YEAR 2032	-----						
-----	YEAR 2033	-----						
-----	YEAR 2034	-----						
-----	YEAR 2035	-----						
-----	YEAR 2036	-----						
-----	YEAR 2037	-----						
-----	YEAR 2038	-----						
-----	YEAR 2039	-----						
-----	YEAR 2040	-----						
-----	YEAR 2041	-----						
-----	YEAR 2042	-----						
-----	YEAR 2043	-----						
-----	YEAR 2044	-----						
-----	YEAR 2045	-----						
-----	YEAR 2046	-----						

----- THERMAL UNIT 292 KWA_2_15 1 2 2 0.00 0.00
UNIT FUELS 1 2 3

----- YEAR 2011 -----
MINIMUM BURN PCT 100.00
UNIT FUEL AUXILIARY COSTS 0.00
UNIT FUEL TYPE 37 0 0

----- YEAR 2011 -----
MINIMUM BURN PCT 100.00
UNIT FUEL AUXILIARY COSTS 0.00
UNIT FUEL TYPE 37 0 0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	292	KWA_2_15 1	2	3
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				
YEAR 2038				
YEAR 2039				
YEAR 2040				

THERMAL UNIT
UNIT FUELS

293 MSKRL_HM 1 1 2 3

MINIMUM BURR PCT
UNIT FUEL AUXILIARY COSTS
UNIT FUEL TYPE

100.00 0.00 0.00
0.00 0.00 0.00
46 0 0

YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				
YEAR 2031				

YEAR	MINIMUM BURN PCT	UNIT FUEL TYPE	UNIT FUEL TYPE	UNIT FUEL TYPE
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				
YEAR 2038				
YEAR 2039				
YEAR 2040				
YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				

THERMAL UNIT
UNIT FUELS

294 MSKRL_12 1 1 2 3

MINIMUM BURN PCT 100.00 0.00 0.00
 UNIT FUEL TYPE 0.00 0.00 0.00
 UNIT FUEL TYPE 46 0 0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	294	MSKR1_12	1	1	2	3
YEAR 2030	-----					
YEAR 2031	-----					
YEAR 2032	-----					
YEAR 2033	-----					
YEAR 2034	-----					
YEAR 2035	-----					
YEAR 2036	-----					
YEAR 2037	-----					
YEAR 2038	-----					
YEAR 2039	-----					
YEAR 2040	-----					

THERMAL UNIT
UNIT FUELS

295 MSKR2_HM 1 2 3

YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

MINIMUM BURN PCT
UNIT FUEL AUXILIARY COSTS
UNIT FUEL TYPE

% \$/MBTU \$/MBTU
FUEL ID 100.00 0.00 0.00
47 0.00 0.00 0.00

THERMAL UNIT
UNIT FUELS

296 MSKR2_12 1 2 3

YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

% \$/MBTU \$/MBTU
FUEL ID 100.00 0.00 0.00
47 0.00 0.00 0.00

----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAR.INPUT.THERMAL UNIT.

UNIT FUELS	297	MSK3_GP 1	3	2	3
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT	298	MR3HM_12 1	3	2	3
UNIT FUELS					
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					

MINIMUM BURN PCT	%	100.00	0.00	0.00
UNIT FUELS				
YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				

UNIT FUELS	\$/MWTU	0.00	0.00	0.00
YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				

UNIT FUELS	AUXILIARY COSTS	0.00	0.00	0.00
YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				

UNIT FUELS	FUEL ID	48	0	0
YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				

YEAR	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
MINIMUM BURN PCT																
UNIT FUEL AUXILIARY COSTS																
UNIT FUEL TYPE																
YEAR 2011																
YEAR 2012																
YEAR 2013																
YEAR 2014																
YEAR 2015																
YEAR 2016																
YEAR 2017																
YEAR 2018																
YEAR 2019																
YEAR 2020																
YEAR 2021																
YEAR 2022																

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

THERMAL UNIT	299	MSKRD_GP	1	4	2	3
UNIT FUELS						
\$/MBTU		100.00			0.00	0.00
FUEL ID		0.00			0	0
		49				

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

----- THERMAL UNIT 299 MSK4_GP 1 4 2 3

UNIT FUELS

----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

----- THERMAL UNIT 300 MATH_12 1 4 2 3

UNIT FUELS

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----

MINIMUM BURN PCT	%	100.00	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.00	0.00	0.00	0.00
UNIT FUEL TYPE	FUEL ID	49	0	0	0

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT
UNIT FUELS
YEAR 2036

YEAR 2037

YEAR 2038

YEAR 2039

YEAR 2040

301 PIGWY_HM 5 2 3

THERMAL UNIT
UNIT FUELS
YEAR 2011

302 PIGWY_GP 1 5 2 3

MINIMUM BURN PCT
UNIT FUEL AUXILIARY COSTS
UNIT FUEL TYPE
YEAR 2012

YEAR 2013

YEAR 2014

YEAR 2015

YEAR 2016

YEAR 2017

YEAR 2018

YEAR 2019

YEAR 2020

YEAR 2021

YEAR 2022

YEAR 2023

YEAR 2024

YEAR 2025

YEAR 2026

YEAR 2027

YEAR 2028

YEAR 2029

YEAR 2030

YEAR 2031

YEAR 2032

YEAR 2033

YEAR 2034

YEAR 2035

YEAR 2036

YEAR 2037

YEAR 2038

YEAR 2039

YEAR 2040

%
\$/MBTU 100.00 0.00 0.00 0.00
FUEL ID 56 56 0 0

THERMAL UNIT
UNIT FUELS
YEAR 2011

303 SPL_F_HM 1 1 2 3

MINIMUM BURN PCT
UNIT FUEL AUXILIARY COSTS
UNIT FUEL TYPE
YEAR 2012

YEAR 2013

YEAR 2014

YEAR 2015

YEAR 2016

YEAR 2017

%
\$/MBTU 100.00 0.00 0.00 0.00
FUEL ID 51 51 0 0

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	304	SP1_F_15	1	2	3
----- YEAR 2016 -----					
----- YEAR 2017 -----					
----- YEAR 2018 -----					
----- YEAR 2019 -----					
----- YEAR 2020 -----					
----- YEAR 2021 -----					
----- YEAR 2022 -----					
----- YEAR 2023 -----					
----- YEAR 2024 -----					
----- YEAR 2025 -----					
----- YEAR 2026 -----					
----- YEAR 2027 -----					
----- YEAR 2028 -----					
----- YEAR 2029 -----					
----- YEAR 2030 -----					
----- YEAR 2031 -----					
----- YEAR 2032 -----					
----- YEAR 2033 -----					
----- YEAR 2034 -----					
----- YEAR 2035 -----					
----- YEAR 2036 -----					
----- YEAR 2037 -----					
----- YEAR 2038 -----					
----- YEAR 2039 -----					
----- YEAR 2040 -----					

THERMAL UNIT
UNIT FUELS

305 SP2_F_HM 1 2 3

MINIMUM BURN PCT UNIT FUEL AUXILIARY COSTS UNIT FUEL TYPE	% \$/MBTU FUELS, ID	100.00 0.00 52	0.00 0.00 0	0.00 0.00 0
----- YEAR 2011 -----				
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				
----- YEAR 2018 -----				
----- YEAR 2019 -----				
----- YEAR 2020 -----				
----- YEAR 2021 -----				
----- YEAR 2022 -----				
----- YEAR 2023 -----				
----- YEAR 2024 -----				
----- YEAR 2025 -----				
----- YEAR 2026 -----				
----- YEAR 2027 -----				
----- YEAR 2028 -----				
----- YEAR 2029 -----				
----- YEAR 2030 -----				

----- YEAR 2030 -----

YEAR	MINIMUM BURN PCT	UNIT FUEL ADJUTARY COSTS	UNIT FUEL TYPE	SP2_F_15	SP2_F_15	SP2_F_15
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						
THERMAL UNIT UNIT FUELS	306			1	2	3
YEAR 2011						
MINIMUM BURN PCT	%	100.00			0.00	0.00
UNIT FUEL ADJUTARY COSTS	\$/MBTU	0.00			0.00	0.00
UNIT FUEL TYPE	FUEL ID	52			0	0
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

YEAR	UNIT FUELS	SP2_P_15	SP3_Q_HM
YEAR 2029		1	2
YEAR 2030		1	2
YEAR 2031		1	2
YEAR 2032		1	2
YEAR 2033		1	2
YEAR 2034		1	2
YEAR 2035		1	2
YEAR 2036		1	2
YEAR 2037		1	2
YEAR 2038		1	2
YEAR 2039		1	2
YEAR 2040		1	2

306 THERMAL UNIT
UNIT FUELS

307 THERMAL UNIT
UNIT FUELS

YEAR	MINIMUM BURN PCT	UNIT FUEL AUXILIARY COSTS	FUEL ID
YEAR 2011	100.00	0.00	0
YEAR 2012	100.00	0.00	0
YEAR 2013	100.00	0.00	0
YEAR 2014	100.00	0.00	0
YEAR 2015	100.00	0.00	0
YEAR 2016	100.00	0.00	0
YEAR 2017	100.00	0.00	0
YEAR 2018	100.00	0.00	0
YEAR 2019	100.00	0.00	0
YEAR 2020	100.00	0.00	0
YEAR 2021	100.00	0.00	0
YEAR 2022	100.00	0.00	0
YEAR 2023	100.00	0.00	0
YEAR 2024	100.00	0.00	0
YEAR 2025	100.00	0.00	0
YEAR 2026	100.00	0.00	0
YEAR 2027	100.00	0.00	0
YEAR 2028	100.00	0.00	0
YEAR 2029	100.00	0.00	0
YEAR 2030	100.00	0.00	0
YEAR 2031	100.00	0.00	0
YEAR 2032	100.00	0.00	0
YEAR 2033	100.00	0.00	0
YEAR 2034	100.00	0.00	0
YEAR 2035	100.00	0.00	0
YEAR 2036	100.00	0.00	0
YEAR 2037	100.00	0.00	0
YEAR 2038	100.00	0.00	0
YEAR 2039	100.00	0.00	0
YEAR 2040	100.00	0.00	0

308 THERMAL UNIT
UNIT FUELS

YEAR	MINIMUM BURN PCT	UNIT FUEL AUXILIARY COSTS	FUEL ID
YEAR 2011	100.00	0.00	0
YEAR 2012	100.00	0.00	0
YEAR 2013	100.00	0.00	0
YEAR 2014	100.00	0.00	0
YEAR 2015	100.00	0.00	0
YEAR 2016	100.00	0.00	0
YEAR 2017	100.00	0.00	0
YEAR 2018	100.00	0.00	0
YEAR 2019	100.00	0.00	0
YEAR 2020	100.00	0.00	0
YEAR 2021	100.00	0.00	0
YEAR 2022	100.00	0.00	0
YEAR 2023	100.00	0.00	0
YEAR 2024	100.00	0.00	0
YEAR 2025	100.00	0.00	0
YEAR 2026	100.00	0.00	0
YEAR 2027	100.00	0.00	0
YEAR 2028	100.00	0.00	0
YEAR 2029	100.00	0.00	0
YEAR 2030	100.00	0.00	0
YEAR 2031	100.00	0.00	0
YEAR 2032	100.00	0.00	0
YEAR 2033	100.00	0.00	0
YEAR 2034	100.00	0.00	0
YEAR 2035	100.00	0.00	0
YEAR 2036	100.00	0.00	0
YEAR 2037	100.00	0.00	0
YEAR 2038	100.00	0.00	0
YEAR 2039	100.00	0.00	0
YEAR 2040	100.00	0.00	0

UNIT FUEL TYPE	FUEL ID	53	0	0
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				
----- YEAR 2018 -----				
----- YEAR 2019 -----				
----- YEAR 2020 -----				
----- YEAR 2021 -----				
----- YEAR 2022 -----				
----- YEAR 2023 -----				
----- YEAR 2024 -----				
----- YEAR 2025 -----				
----- YEAR 2026 -----				
----- YEAR 2027 -----				
----- YEAR 2028 -----				
----- YEAR 2029 -----				
----- YEAR 2030 -----				
----- YEAR 2031 -----				
----- YEAR 2032 -----				
----- YEAR 2033 -----				
----- YEAR 2034 -----				
----- YEAR 2035 -----				
----- YEAR 2036 -----				
----- YEAR 2037 -----				
----- YEAR 2038 -----				
----- YEAR 2039 -----				
----- YEAR 2040 -----				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

YEAR	MINIMUM BURN PCT	UNIT FUEL TYPE	UNIT FUEL TYPE	SP4_Q_HM	1	2	3
YEAR 2011	309			1	4	2	3
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

THERMAL UNIT	SP4_Q_15	1	4	2	3
UNIT FUELS	310	1	4	2	3
YEAR 2011					
MINIMUM BURN PCT	%	100.00		0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.00		0.00	0.00
UNIT FUEL TYPE	FUEL ID	54		0	0
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	311	SP5_HM	1	5	2	3
YEAR 2023	-----					
YEAR 2024	-----					
YEAR 2025	-----					
YEAR 2026	-----					
YEAR 2027	-----					
YEAR 2028	-----					
YEAR 2029	-----					
YEAR 2030	-----					
YEAR 2031	-----					
YEAR 2032	-----					
YEAR 2033	-----					
YEAR 2034	-----					
YEAR 2035	-----					
YEAR 2036	-----					
YEAR 2037	-----					
YEAR 2038	-----					
YEAR 2039	-----					
YEAR 2040	-----					
THERMAL UNIT UNIT FUELS	312	SP5_15	1	5	2	3
MINIMUM BURN PCT			100.00		0.00	0.00
UNIT FUEL AUXILIARY COSTS			0.00		0.00	0.00
UNIT FUEL TYPE			55		0	0
YEAR 2011	-----					
YEAR 2012	-----					
YEAR 2013	-----					
YEAR 2014	-----					
YEAR 2015	-----					
YEAR 2016	-----					
YEAR 2017	-----					
YEAR 2018	-----					
YEAR 2019	-----					
YEAR 2020	-----					
YEAR 2021	-----					
YEAR 2022	-----					
YEAR 2023	-----					
YEAR 2024	-----					
YEAR 2025	-----					
YEAR 2026	-----					
YEAR 2027	-----					
YEAR 2028	-----					
YEAR 2029	-----					
YEAR 2030	-----					
YEAR 2031	-----					
YEAR 2032	-----					
YEAR 2033	-----					
YEAR 2034	-----					
YEAR 2035	-----					
YEAR 2036	-----					
YEAR 2037	-----					

YEAR	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055
MINIMUM BURN FCI																		
UNIT FUEL AUXILIARY COSTS																		
UNIT FUEL TYPE																		
YEAR 2011																		
YEAR 2012																		
YEAR 2013																		
YEAR 2014																		
YEAR 2015																		
YEAR 2016																		
YEAR 2017																		
YEAR 2018																		
YEAR 2019																		
YEAR 2020																		
YEAR 2021																		
YEAR 2022																		
YEAR 2023																		
YEAR 2024																		
YEAR 2025																		
YEAR 2026																		
YEAR 2027																		
YEAR 2028																		
YEAR 2029																		
YEAR 2030																		
YEAR 2031																		
YEAR 2032																		
YEAR 2033																		
YEAR 2034																		
YEAR 2035																		

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT
UNIT FUELS
YEAR 2036
YEAR 2037
YEAR 2038
YEAR 2039
YEAR 2040

313 TNR_F_HM 1 2 3

THERMAL UNIT
UNIT FUELS
YEAR 2011
YEAR 2012
YEAR 2013
YEAR 2014
YEAR 2015
YEAR 2016
YEAR 2017
YEAR 2018
YEAR 2019
YEAR 2020
YEAR 2021
YEAR 2022
YEAR 2023
YEAR 2024
YEAR 2025
YEAR 2026
YEAR 2027
YEAR 2028
YEAR 2029
YEAR 2030
YEAR 2031
YEAR 2032
YEAR 2033
YEAR 2034
YEAR 2035
YEAR 2036
YEAR 2037
YEAR 2038
YEAR 2039
YEAR 2040

314 TNR_F_15 1 2 3
%
MINIMUM BURN PCT 100.00 0.00 0.00
UNIT FUEL AUXILIARY COSTS \$/MBTU 0.00 0.00 0.00
UNIT FUEL TYPE FUEL ID 66 0 0

THERMAL UNIT
UNIT FUELS
YEAR 2011
YEAR 2012
YEAR 2013
YEAR 2014
YEAR 2015
YEAR 2016
YEAR 2017

315 TNR_F_HM 1 2 3

%
MINIMUM BURN PCT 100.00 0.00 0.00
UNIT FUEL AUXILIARY COSTS \$/MBTU 0.00 0.00 0.00
UNIT FUEL TYPE FUEL ID 67 0 0

YEAR 2012
YEAR 2013
YEAR 2014
YEAR 2015
YEAR 2016
YEAR 2017

```

----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

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THERMAL UNIT          316      TNR_F_15  1  2      3
UNIT FUELS

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----- YEAR 2011 -----
MINIMUM BURH PCT          100.00
UNIT FUEL AUXILIARY COSTS  0.00
UNIT FUEL TYPE           67      0      0
----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----

```

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	316	TNR_F_15 1	2	3
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				
YEAR 2038				
YEAR 2039				
YEAR 2040				

THERMAL UNIT
UNIT FUELS

317 TNR_F_HM 1 3

MINIMUM BURN FCT
UNIT FUEL AUXILIARY COSTS
UNIT FUEL TYPE

3 \$/MBTU 100.00 0.00 0.00
FUEL ID 68 0 0

YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

YEAR	UNIT FUELS	TNR_F_15
YEAR 2029		
YEAR 2030		
YEAR 2031		
YEAR 2032		
YEAR 2033		
YEAR 2034		
YEAR 2035		
YEAR 2036		
YEAR 2037		
YEAR 2038		
YEAR 2039		
YEAR 2040		

318 THERMAL UNIT
UNIT FUELS TNR_F_15 1 3 2 3

YEAR	MINIMUM BURN PCT	UNIT FUEL AUXILIARY COSTS	FUEL ID
YEAR 2011	100.00	0.00	0
YEAR 2012	0.00	0.00	56
YEAR 2013			
YEAR 2014			
YEAR 2015			
YEAR 2016			
YEAR 2017			
YEAR 2018			
YEAR 2019			
YEAR 2020			
YEAR 2021			
YEAR 2022			
YEAR 2023			
YEAR 2024			
YEAR 2025			
YEAR 2026			
YEAR 2027			
YEAR 2028			
YEAR 2029			
YEAR 2030			
YEAR 2031			
YEAR 2032			
YEAR 2033			
YEAR 2034			
YEAR 2035			
YEAR 2036			
YEAR 2037			
YEAR 2038			
YEAR 2039			
YEAR 2040			

319 THERMAL UNIT
UNIT FUELS PW_GP_15 1 5 2 3

YEAR	MINIMUM BURN PCT	UNIT FUEL AUXILIARY COSTS	FUEL ID
YEAR 2011	100.00	0.00	0
YEAR 2012	0.00	0.00	56
YEAR 2013			
YEAR 2014			
YEAR 2015			
YEAR 2016			
YEAR 2017			
YEAR 2018			
YEAR 2019			
YEAR 2020			
YEAR 2021			
YEAR 2022			
YEAR 2023			
YEAR 2024			
YEAR 2025			
YEAR 2026			
YEAR 2027			
YEAR 2028			
YEAR 2029			
YEAR 2030			
YEAR 2031			
YEAR 2032			
YEAR 2033			
YEAR 2034			
YEAR 2035			
YEAR 2036			
YEAR 2037			
YEAR 2038			
YEAR 2039			
YEAR 2040			

320 THERMAL UNIT
UNIT FUELS RHH11s 1 1 2 3

YEAR	MINIMUM BURN PCT	UNIT FUEL AUXILIARY COSTS	FUEL ID
YEAR 2011	100.00	0.00	0
YEAR 2012	0.00	0.00	56
YEAR 2013			
YEAR 2014			
YEAR 2015			
YEAR 2016			
YEAR 2017			
YEAR 2018			
YEAR 2019			
YEAR 2020			
YEAR 2021			
YEAR 2022			
YEAR 2023			
YEAR 2024			
YEAR 2025			
YEAR 2026			
YEAR 2027			
YEAR 2028			
YEAR 2029			
YEAR 2030			
YEAR 2031			
YEAR 2032			
YEAR 2033			
YEAR 2034			
YEAR 2035			
YEAR 2036			
YEAR 2037			
YEAR 2038			
YEAR 2039			
YEAR 2040			

UNIT FUEL TYPE	FUEL ID	606	0	0
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				
----- YEAR 2018 -----				
----- YEAR 2019 -----				
----- YEAR 2020 -----				
----- YEAR 2021 -----				
----- YEAR 2022 -----				
----- YEAR 2023 -----				
----- YEAR 2024 -----				
----- YEAR 2025 -----				
----- YEAR 2026 -----				
----- YEAR 2027 -----				
----- YEAR 2028 -----				
----- YEAR 2029 -----				
----- YEAR 2030 -----				
----- YEAR 2031 -----				
----- YEAR 2032 -----				
----- YEAR 2033 -----				
----- YEAR 2034 -----				
----- YEAR 2035 -----				
----- YEAR 2036 -----				
----- YEAR 2037 -----				
----- YEAR 2038 -----				
----- YEAR 2039 -----				
----- YEAR 2040 -----				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

UNIT FUELS	364	1	0	2	3
----- YEAR 2011 -----					
MINIMUM BURN PCT		100.00	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.11	0.00	0.00	0.00
UNIT FUEL TYPE	FUEL ID	58	0	0	0
----- YEAR 2012 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.11	0.00	0.00	0.00
----- YEAR 2013 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.11	0.00	0.00	0.00
----- YEAR 2014 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.11	0.00	0.00	0.00
----- YEAR 2015 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.12	0.00	0.00	0.00
----- YEAR 2016 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.12	0.00	0.00	0.00
----- YEAR 2017 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.12	0.00	0.00	0.00
----- YEAR 2018 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.13	0.00	0.00	0.00
----- YEAR 2019 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.13	0.00	0.00	0.00
----- YEAR 2020 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.13	0.00	0.00	0.00
----- YEAR 2021 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.13	0.00	0.00	0.00
----- YEAR 2022 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.14	0.00	0.00	0.00
----- YEAR 2023 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.14	0.00	0.00	0.00
----- YEAR 2024 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.14	0.00	0.00	0.00
----- YEAR 2025 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.15	0.00	0.00	0.00
----- YEAR 2026 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.15	0.00	0.00	0.00
----- YEAR 2027 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.15	0.00	0.00	0.00
----- YEAR 2028 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.16	0.00	0.00	0.00
----- YEAR 2029 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.16	0.00	0.00	0.00
----- YEAR 2030 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.17	0.00	0.00	0.00
----- YEAR 2031 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.17	0.00	0.00	0.00
----- YEAR 2032 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.17	0.00	0.00	0.00
----- YEAR 2033 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.18	0.00	0.00	0.00
----- YEAR 2034 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.18	0.00	0.00	0.00
----- YEAR 2035 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.19	0.00	0.00	0.00
----- YEAR 2036 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.19	0.00	0.00	0.00
----- YEAR 2037 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.19	0.00	0.00	0.00
----- YEAR 2038 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.20	0.00	0.00	0.00
----- YEAR 2039 -----					
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.20	0.00	0.00	0.00
----- YEAR 2040 -----					
----- YEAR 2011 -----					
THERMAL UNIT	500	DUMMY_OP	0		
UNIT FUELS		1	2	3	
----- YEAR 2011 -----					
MINIMUM BURN PCT	%	0.00	0.00	0.00	0.00

4-Company East Optimization

UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.00	0.00	0.00
UNIT FUEL TYPE	FUEL ID	0	0	0
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				
----- YEAR 2018 -----				
----- YEAR 2019 -----				
----- YEAR 2020 -----				
----- YEAR 2021 -----				
----- YEAR 2022 -----				
----- YEAR 2023 -----				
----- YEAR 2024 -----				
----- YEAR 2025 -----				
----- YEAR 2026 -----				
----- YEAR 2027 -----				
----- YEAR 2028 -----				
----- YEAR 2029 -----				
----- YEAR 2030 -----				
----- YEAR 2031 -----				
----- YEAR 2032 -----				
----- YEAR 2033 -----				
----- YEAR 2034 -----				
----- YEAR 2035 -----				
----- YEAR 2036 -----				
----- YEAR 2037 -----				
----- YEAR 2038 -----				
----- YEAR 2039 -----				
----- YEAR 2040 -----				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

YEAR	MINIMUM BURN PCT	UNIT FUEL AUXILIARY COSTS	UNIT FUEL TYPE
YEAR 2011	0.00	0.00	0
YEAR 2012	0.00	0.00	0
YEAR 2013	0.00	0.00	0
YEAR 2014	0.00	0.00	0
YEAR 2015	0.00	0.00	0
YEAR 2016	0.00	0.00	0
YEAR 2017	0.00	0.00	0
YEAR 2018	0.00	0.00	0
YEAR 2019	0.00	0.00	0
YEAR 2020	0.00	0.00	0
YEAR 2021	0.00	0.00	0
YEAR 2022	0.00	0.00	0
YEAR 2023	0.00	0.00	0
YEAR 2024	0.00	0.00	0
YEAR 2025	0.00	0.00	0
YEAR 2026	0.00	0.00	0
YEAR 2027	0.00	0.00	0
YEAR 2028	0.00	0.00	0
YEAR 2029	0.00	0.00	0
YEAR 2030	0.00	0.00	0
YEAR 2031	0.00	0.00	0
YEAR 2032	0.00	0.00	0
YEAR 2033	0.00	0.00	0
YEAR 2034	0.00	0.00	0
YEAR 2035	0.00	0.00	0
YEAR 2036	0.00	0.00	0
YEAR 2037	0.00	0.00	0
YEAR 2038	0.00	0.00	0
YEAR 2039	0.00	0.00	0
YEAR 2040	0.00	0.00	0

THERMAL UNIT 502 DUMMY_AP 1 0 2 3
UNIT FUELS

YEAR	MINIMUM BURN PCT	UNIT FUEL AUXILIARY COSTS	UNIT FUEL TYPE	% \$/MBTU FUEL ID
YEAR 2011	0.00	0.00	0	0.00
YEAR 2012	0.00	0.00	0	0.00
YEAR 2013	0.00	0.00	0	0.00
YEAR 2014	0.00	0.00	0	0.00
YEAR 2015	0.00	0.00	0	0.00
YEAR 2016	0.00	0.00	0	0.00
YEAR 2017	0.00	0.00	0	0.00
YEAR 2018	0.00	0.00	0	0.00
YEAR 2019	0.00	0.00	0	0.00
YEAR 2020	0.00	0.00	0	0.00
YEAR 2021	0.00	0.00	0	0.00
YEAR 2022	0.00	0.00	0	0.00
YEAR 2023	0.00	0.00	0	0.00
YEAR 2024	0.00	0.00	0	0.00

----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

----- THERMAL UNIT 503 DUMMY_KP 0 2 3 -----
 ----- UNIT FUELS -----

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----

MINIMUM BURN PCT 0.00 0.00 0.00
 UNIT FUEL AUXILIARY COSTS 0.00 0.00 0.00
 UNIT FUEL TYPE 0 0 0
 FUEL ID 0 0 0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	503	DUMPR_KP	0	2	3
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT
UNIT FUELS 958 CC_KPCO 958 1 2 3

YEAR	MINIMUM BURN PCT	UNIT FUEL AUXILIARY COSTS	FUEL ID	%	\$/MBTU
YEAR 2011	100.00	0.00	0	0.00	0.00
YEAR 2012	100.00	0.00	0	0.00	0.00
YEAR 2013	100.00	0.00	0	0.00	0.00
YEAR 2014	100.00	0.00	0	0.00	0.00
YEAR 2015	100.00	0.00	0	0.00	0.00
YEAR 2016	100.00	0.00	0	0.00	0.00
YEAR 2017	100.00	0.00	0	0.00	0.00
YEAR 2018	100.00	0.00	0	0.00	0.00
YEAR 2019	100.00	0.00	0	0.00	0.00
YEAR 2020	100.00	0.00	0	0.00	0.00
YEAR 2021	100.00	0.00	0	0.00	0.00
YEAR 2022	100.00	0.00	0	0.00	0.00
YEAR 2023	100.00	0.00	0	0.00	0.00
YEAR 2024	100.00	0.00	0	0.00	0.00
YEAR 2025	100.00	0.00	0	0.00	0.00
YEAR 2026	100.00	0.00	0	0.00	0.00
YEAR 2027	100.00	0.00	0	0.00	0.00
YEAR 2028	100.00	0.00	0	0.00	0.00
YEAR 2029	100.00	0.00	0	0.00	0.00
YEAR 2030	100.00	0.00	0	0.00	0.00
YEAR 2031	100.00	0.00	0	0.00	0.00
YEAR 2032	100.00	0.00	0	0.00	0.00
YEAR 2033	100.00	0.00	0	0.00	0.00
YEAR 2034	100.00	0.00	0	0.00	0.00
YEAR 2035	100.00	0.00	0	0.00	0.00
YEAR 2036	100.00	0.00	0	0.00	0.00
YEAR 2037	100.00	0.00	0	0.00	0.00

YEAR	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055
MINIMUM BURN PCT																		
UNIT FUEL AUXILIARY COSTS																		
UNIT FUEL TYPE																		
YEAR 2011				959	RP2D_KP	1	959											
YEAR 2012																		
YEAR 2013																		
YEAR 2014																		
YEAR 2015																		
YEAR 2016																		
YEAR 2017																		
YEAR 2018																		
YEAR 2019																		
YEAR 2020																		
YEAR 2021																		
YEAR 2022																		
YEAR 2023																		
YEAR 2024																		
YEAR 2025																		
YEAR 2026																		
YEAR 2027																		
YEAR 2028																		
YEAR 2029																		
YEAR 2030																		
YEAR 2031																		
YEAR 2032																		
YEAR 2033																		
YEAR 2034																		
YEAR 2035																		

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

----- YEAR 2036 -----
 THERMAL UNIT 959
 UNIT FUELS
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

RP2D_KP 1 959 2 3

----- YEAR 2011 -----
 THERMAL UNIT 960
 UNIT FUELS

RP2D_TM 1 960 2 3

MINIMUM BURN PCT
 UNIT FUEL AUXILIARY COSTS
 UNIT FUEL TYPE

% \$/MBTU
 100.00 0.00 0.00
 0.06 0.00 0.00
 80 0 0

----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

THERMAL UNIT
 UNIT FUELS

961 CSV6_SCR 961 1 2 3

MINIMUM BURN PCT
 UNIT FUEL AUXILIARY COSTS
 UNIT FUEL TYPE

% \$/MBTU
 100.00 0.00 0.00
 0.07 0.00 0.00
 24 0 0

----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----

-----	YEAR 2018	-----				
-----	YEAR 2019	-----				
-----	YEAR 2020	-----				
-----	YEAR 2021	-----				
-----	YEAR 2022	-----				
-----	YEAR 2023	-----				
-----	YEAR 2024	-----				
-----	YEAR 2025	-----				
-----	YEAR 2026	-----				
-----	YEAR 2027	-----				
-----	YEAR 2028	-----				
-----	YEAR 2029	-----				
-----	YEAR 2030	-----				
-----	YEAR 2031	-----				
-----	YEAR 2032	-----				
-----	YEAR 2033	-----				
-----	YEAR 2034	-----				
-----	YEAR 2035	-----				
-----	YEAR 2036	-----				
-----	YEAR 2037	-----				
-----	YEAR 2038	-----				
-----	YEAR 2039	-----				
-----	YEAR 2040	-----				
	THERMAL UNIT		962	CSVS_SCR	962	
	UNIT FUELS			1		
				2		
				3		
-----	YEAR 2011	-----				
	MINIMUM BURN PCT.		\$	100.00	0.00	0.00
	UNIT FUEL AUXILIARY COSTS		\$/MBTU	0.07	0.00	0.00
	UNIT FUEL TYPE		FUEL ID	23	0	0
-----	YEAR 2012	-----				
-----	YEAR 2013	-----				
-----	YEAR 2014	-----				
-----	YEAR 2015	-----				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL.UNIT.

THERMAL UNIT UNIT FUELS	962	CSVS_SCR 962 1	2	3
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				
YEAR 2038				
YEAR 2039				
YEAR 2040				

THERMAL UNIT UNIT FUELS	963	DUMMY_OP 963 1	2	3
----------------------------	-----	-------------------	---	---

YEAR 2011	%	0.00	0.00	0.00
MINIMUM BURN PCT	\$/MBTU	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	FUEL ID	0	0	0

YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				

YEAR	MINIMUM BURR FCI UNIT FUEL	MINIMUM BURR FCI UNIT FUEL	MINIMUM BURR FCI UNIT FUEL	MINIMUM BURR FCI UNIT FUEL
YEAR	TYPE	TYPE	TYPE	TYPE
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				
YEAR 2038				
YEAR 2039				
YEAR 2040				
THERMAL UNIT				
UNIT FUELS				
YEAR 2011	964	DUMMY_OP 1	964	
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	964	DUMMY_OP 1	964	2	3
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT UNIT FUELS	965	RPID_03 1	965	2	3
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

MINIMUM BURN PCT	%	100.00	0.00	0.00
UNIT FUELD AUXILIARY COSTS	\$/MBTU	0.06	0.00	0.00
UNIT FUELD TYPE	FUELD ID	80	0	0

YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				
YEAR 2038				
YEAR 2039				
YEAR 2040				

THERMAL UNIT UNIT FUELS	966	RPID_KP 1	966	2	3
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

MINIMUM BURN PCT	%	100.00	0.00	0.00
UNIT FUELD AUXILIARY COSTS	\$/MBTU	0.06	0.00	0.00

4-Company East Optimization

UNIT FUEL TYPE	FUEL ID	80	0	0
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				
----- YEAR 2018 -----				
----- YEAR 2019 -----				
----- YEAR 2020 -----				
----- YEAR 2021 -----				
----- YEAR 2022 -----				
----- YEAR 2023 -----				
----- YEAR 2024 -----				
----- YEAR 2025 -----				
----- YEAR 2026 -----				
----- YEAR 2027 -----				
----- YEAR 2028 -----				
----- YEAR 2029 -----				
----- YEAR 2030 -----				
----- YEAR 2031 -----				
----- YEAR 2032 -----				
----- YEAR 2033 -----				
----- YEAR 2034 -----				
----- YEAR 2035 -----				
----- YEAR 2036 -----				
----- YEAR 2037 -----				
----- YEAR 2038 -----				
----- YEAR 2039 -----				
----- YEAR 2040 -----				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	967	BS2_FGD 1	967	2	3
----- YEAR 2011 -----					
MINIMUM BURN PCT		100.00	0.00	0.00	
UNIT FUEL AUXILIARY COSTS		0.05	0.00	0.00	
UNIT FUEL TYPE		6	0	0	
----- YEAR 2012 -----					
----- YEAR 2013 -----					
----- YEAR 2014 -----					
----- YEAR 2015 -----					
----- YEAR 2016 -----					
----- YEAR 2017 -----					
----- YEAR 2018 -----					
----- YEAR 2019 -----					
----- YEAR 2020 -----					
----- YEAR 2021 -----					
----- YEAR 2022 -----					
----- YEAR 2023 -----					
----- YEAR 2024 -----					

THERMAL UNIT UNIT FUELS	968	CR2_NGCC 1	968	2	3
----- YEAR 2011 -----					
MINIMUM BURN PCT		100.00	0.00	0.00	
UNIT FUEL AUXILIARY COSTS		0.11	0.00	0.00	
UNIT FUEL TYPE		72	0	0	
----- YEAR 2012 -----					
----- YEAR 2013 -----					
----- YEAR 2014 -----					
----- YEAR 2015 -----					
----- YEAR 2016 -----					
----- YEAR 2017 -----					
----- YEAR 2018 -----					
----- YEAR 2019 -----					
----- YEAR 2020 -----					
----- YEAR 2021 -----					
----- YEAR 2022 -----					
----- YEAR 2023 -----					
----- YEAR 2024 -----					

----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

----- THERMAL UNIT 969 CRI_NGCC 969
 UNIT FUELS 1 2 3

YEAR	MINIMUM BURN PCT	UNIT FUEL AUXILIARY COSTS	UNIT FUEL TYPE	\$ /MBTU FUEL ID	1	2	3
YEAR 2011	100.00	0.11	72	0.00	0.00	0.00	0.00
YEAR 2012				0	0	0	0
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

----- THERMAL UNIT 969 CRI_NGCC 969 2 3
UNIT FUELS 1

----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

----- THERMAL UNIT 970 MRS_NGCC 970 1 3
UNIT FUELS 1

----- YEAR 2011 -----
----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----

MINIMUM BURN PCT	%	100.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.05	0.00	0.00
UNIT FUEL TYPE	FUEL ID	81	0	0

YEAR	MINIMUM BURN POT UNIT FUEL TYPE	971	DUMMY_OP 1	971	2	3
YEAR 2038						
YEAR 2039						
YEAR 2040						
THERMAL UNIT						
UNIT FUELS						
YEAR 2011		971				
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

UNIT FUELS	971	DUMMY_OP 1 971	2	3
YEAR 2036				
YEAR 2037				
YEAR 2038				
YEAR 2039				
YEAR 2040				

UNIT FUELS	972	DUMMY_OP 1 972	2	3
YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				
YEAR 2038				
YEAR 2039				
YEAR 2040				

UNIT FUEL TYPE	%	\$/MBTU	FUEL ID
MINIMUM BURN PCT	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	0.00	0.00	0.00
UNIT FUEL TYPE	0	0	0
YEAR 2012			
YEAR 2013			
YEAR 2014			
YEAR 2015			
YEAR 2016			
YEAR 2017			
YEAR 2018			
YEAR 2019			
YEAR 2020			
YEAR 2021			
YEAR 2022			
YEAR 2023			
YEAR 2024			
YEAR 2025			
YEAR 2026			
YEAR 2027			
YEAR 2028			
YEAR 2029			
YEAR 2030			
YEAR 2031			
YEAR 2032			
YEAR 2033			
YEAR 2034			
YEAR 2035			
YEAR 2036			
YEAR 2037			
YEAR 2038			
YEAR 2039			
YEAR 2040			

UNIT FUELS	973	DUMMY_OP 1 973	2	3
YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				

UNIT FUEL TYPE	%	\$/MBTU	FUEL ID
MINIMUM BURN PCT	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	0.00	0.00	0.00
UNIT FUEL TYPE	0	0	0
YEAR 2012			
YEAR 2013			
YEAR 2014			
YEAR 2015			
YEAR 2016			
YEAR 2017			

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----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

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----- YEAR 2011 -----

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THERMAL UNIT          974      DUMMY_OP 974
UNIT FUELS           1          2          3

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MINIMUM BURN PCT      0.00      0.00      0.00
UNIT FUEL AUXILIARY COSTS 0.00      0.00      0.00
UNIT FUEL TYPE        0          0          0

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----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----

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NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

YEAR	UNIT FUELS	DUMMY_OP	1	2	3
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT 975 DUMMY_OP 975
UNIT FUELS 1 2 3

YEAR	MINIMUM BURN PCT	UNIT FUEL AUXILIARY COSTS	FUEL ID	%	\$/MBTU
YEAR 2011	0.00	0.00	0	0.00	0.00
YEAR 2012	0.00	0.00	0	0.00	0.00
YEAR 2013	0.00	0.00	0	0.00	0.00
YEAR 2014	0.00	0.00	0	0.00	0.00
YEAR 2015	0.00	0.00	0	0.00	0.00
YEAR 2016	0.00	0.00	0	0.00	0.00
YEAR 2017	0.00	0.00	0	0.00	0.00
YEAR 2018	0.00	0.00	0	0.00	0.00
YEAR 2019	0.00	0.00	0	0.00	0.00
YEAR 2020	0.00	0.00	0	0.00	0.00
YEAR 2021	0.00	0.00	0	0.00	0.00
YEAR 2022	0.00	0.00	0	0.00	0.00
YEAR 2023	0.00	0.00	0	0.00	0.00
YEAR 2024	0.00	0.00	0	0.00	0.00
YEAR 2025	0.00	0.00	0	0.00	0.00
YEAR 2026	0.00	0.00	0	0.00	0.00
YEAR 2027	0.00	0.00	0	0.00	0.00
YEAR 2028	0.00	0.00	0	0.00	0.00
YEAR 2029	0.00	0.00	0	0.00	0.00
YEAR 2030	0.00	0.00	0	0.00	0.00

YEAR	MINIMUM BURN FUEL UNIT FUEL TYPE	MINIMUM BURN FUEL UNIT FUEL TYPE	MINIMUM BURN FUEL UNIT FUEL TYPE	MINIMUM BURN FUEL UNIT FUEL TYPE
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				
YEAR 2038				
YEAR 2039				
YEAR 2040				
THERMAL UNIT				
UNIT FUELS	976	DUMMY_OP 1 976	2	3
YEAR 2011				
MINIMUM BURN FUEL UNIT FUEL TYPE	%	0.00	0.00	0.00
MINIMUM BURN FUEL UNIT FUEL TYPE	\$/MFTU	0.00	0.00	0.00
MINIMUM BURN FUEL UNIT FUEL TYPE	FUEL ID	0	0	0
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT, THERMAL UNIT.

THERMAL UNIT UNIT FUELS	976 DUMMY_OP 1	976 DUMMY_OP 2	976 DUMMY_OP 3
YEAR 2029			
YEAR 2030			
YEAR 2031			
YEAR 2032			
YEAR 2033			
YEAR 2034			
YEAR 2035			
YEAR 2036			
YEAR 2037			
YEAR 2038			
YEAR 2039			
YEAR 2040			

THERMAL UNIT UNIT FUELS	977 DUMMY_OP 1	977 DUMMY_OP 2	977 DUMMY_OP 3
YEAR 2011			
YEAR 2012			
YEAR 2013			
YEAR 2014			
YEAR 2015			
YEAR 2016			
YEAR 2017			
YEAR 2018			
YEAR 2019			
YEAR 2020			
YEAR 2021			
YEAR 2022			
YEAR 2023			
YEAR 2024			
YEAR 2025			
YEAR 2026			
YEAR 2027			
YEAR 2028			
YEAR 2029			
YEAR 2030			
YEAR 2031			
YEAR 2032			
YEAR 2033			
YEAR 2034			
YEAR 2035			
YEAR 2036			
YEAR 2037			
YEAR 2038			
YEAR 2039			
YEAR 2040			

MINIMUM BURN PCT UNIT FUEL TYPE	% \$/MBTU FUEL ID	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0
YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				
YEAR 2038				
YEAR 2039				
YEAR 2040				

THERMAL UNIT UNIT FUELS	978 DUMMY_OP 1	978 DUMMY_OP 2	978 DUMMY_OP 3
YEAR 2011			
YEAR 2012			
YEAR 2013			
YEAR 2014			
YEAR 2015			
YEAR 2016			
YEAR 2017			
YEAR 2018			
YEAR 2019			
YEAR 2020			
YEAR 2021			
YEAR 2022			
YEAR 2023			
YEAR 2024			
YEAR 2025			
YEAR 2026			
YEAR 2027			
YEAR 2028			
YEAR 2029			
YEAR 2030			
YEAR 2031			
YEAR 2032			
YEAR 2033			
YEAR 2034			
YEAR 2035			
YEAR 2036			
YEAR 2037			
YEAR 2038			
YEAR 2039			
YEAR 2040			

MINIMUM BURN PCT UNIT FUEL AUXILIARY COSTS	% \$/MBTU	0.00 0.00	0.00 0.00	0.00 0.00
YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				
YEAR 2038				
YEAR 2039				
YEAR 2040				

UNIT FUEL TYPE	FUEL ID	0	0	0
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				
----- YEAR 2018 -----				
----- YEAR 2019 -----				
----- YEAR 2020 -----				
----- YEAR 2021 -----				
----- YEAR 2022 -----				
----- YEAR 2023 -----				
----- YEAR 2024 -----				
----- YEAR 2025 -----				
----- YEAR 2026 -----				
----- YEAR 2027 -----				
----- YEAR 2028 -----				
----- YEAR 2029 -----				
----- YEAR 2030 -----				
----- YEAR 2031 -----				
----- YEAR 2032 -----				
----- YEAR 2033 -----				
----- YEAR 2034 -----				
----- YEAR 2035 -----				
----- YEAR 2036 -----				
----- YEAR 2037 -----				
----- YEAR 2038 -----				
----- YEAR 2039 -----				
----- YEAR 2040 -----				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

UNIT FUELS	979	DUMMY_OP	1	979	2	979	3
YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

MINIMUM BURR PCT	980	DUMMY_OP	1	980	2	980	3
UNIT FUEL AUXILIARY COSTS							
UNIT FUEL TYPE							
YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							

----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

----- THERMAL UNIT
 UNIT FUELS -----

981 DUMMY_OP 1 981

2

3

----- YEAR 2011 -----
 MINIMUM BURN FUEL
 UNIT FUEL AUXILIARY COSTS
 UNIT FUEL TYPE

\$/MBTU
 FUEL ID

0.00
 0.00
 0

0.00
 0.00
 0

0.00
 0.00
 0

----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT 981 DUMMY_OP 981 2 3

UNIT FUELS

----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

THERMAL UNIT 982 DUMMY_OP 982 1 2 3
 UNIT FUELS

----- YEAR 2011 -----
 MINIMUM BURN PCT 0.00 0.00 0.00
 UNIT FUEL AUXILIARY COSTS \$/MPTU 0.00 0.00 0.00
 UNIT FUEL TYPE FUEL ID 0 0 0

----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----

YEAR	MINIMUM BURN PCT	UNIT FUEL TYPE	DUMMY_OP	1	2	3
YEAR 2038						
YEAR 2039						
YEAR 2040						
THERMAL UNIT						
UNIT FUELS		983	DUMMY_OP	983		
YEAR 2011						
MINIMUM BURN PCT		\$		0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS		\$/MBTU		0.00	0.00	0.00
UNIT FUEL TYPE		FUEL ID		0	0	0
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

UNIT FUELS	983	DUMMY_OP	1	983	2	3
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT	984	DUMMY_OP	1	984	2	3
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

MINIMUM BURN PCT	%	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.00	0.00	0.00
UNIT FUEL TYPE	FUEL ID	0	0	0
YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				
YEAR 2038				
YEAR 2039				
YEAR 2040				

THERMAL UNIT	985	DUMMY_OP	1	985	2	3
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						

MINIMUM BURN PCT	%	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.00	0.00	0.00
UNIT FUEL TYPE	FUEL ID	0	0	0
YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				

----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

----- THERMAL UNIT 986 DUMMY_OP 1 986 2 3 -----
 ----- UNIT FUELS -----

----- YEAR 2011 -----
 MINIMUM BURR PCT 0.00 0.00 0.00
 UNIT FUEL AUXILIARY COSTS 0.00 0.00 0.00
 UNIT FUEL TYPE 0 0 0

----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS	986	DUMMY_OP 1	986	2	3
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT 987 DUMMY_OP 987
UNIT FUELS 1 2 3

YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030
MINIMUM BURN PCT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNIT FUEL TYPE																			

-----	YEAR 2031	-----						
-----	YEAR 2032	-----						
-----	YEAR 2033	-----						
-----	YEAR 2034	-----						
-----	YEAR 2035	-----						
-----	YEAR 2036	-----						
-----	YEAR 2037	-----						
-----	YEAR 2038	-----						
-----	YEAR 2039	-----						
-----	YEAR 2040	-----						
-----	YEAR 2011	-----						
-----	YEAR 2012	-----						
-----	YEAR 2013	-----						
-----	YEAR 2014	-----						
-----	YEAR 2015	-----						
-----	YEAR 2016	-----						
-----	YEAR 2017	-----						
-----	YEAR 2018	-----						
-----	YEAR 2019	-----						
-----	YEAR 2020	-----						
-----	YEAR 2021	-----						
-----	YEAR 2022	-----						
-----	YEAR 2023	-----						
-----	YEAR 2024	-----						
-----	YEAR 2025	-----						
-----	YEAR 2026	-----						
-----	YEAR 2027	-----						
-----	YEAR 2028	-----						

----- THERMAL UNIT 988 DUMMY_OP 1 988 2 3
UNIT FUELS

MINIMUM BURN PCT % 0.00 0.00 0.00
UNIT FUEL AUXILIARY COSTS \$/MBTU 0.00 0.00 0.00
UNIT FUEL TYPE FUEL ID 0 0 0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

UNIT FUELS	988	DUMMY_OP 1 988	2	3
YEAR 2029				
YEAR 2030				
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				
YEAR 2038				
YEAR 2039				
YEAR 2040				

THERMAL UNIT	989	DUMMY_OP 1 989	2	3
UNIT FUELS				

YEAR 2011	%	0.00	0.00	0.00
MINIMUM BURN PCT		0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS		0	0	0
UNIT FUEL TYPE				

YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				
YEAR 2038				
YEAR 2039				
YEAR 2040				

THERMAL UNIT	990	DUMMY_OP 1 990	2	3
UNIT FUELS				

YEAR 2011	%	0.00	0.00	0.00
MINIMUM BURN PCT		0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS		0	0	0

4-Company Past Optimization

UNIT FUEL TYPE	FUEL ID	0	0	0
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				
----- YEAR 2018 -----				
----- YEAR 2019 -----				
----- YEAR 2020 -----				
----- YEAR 2021 -----				
----- YEAR 2022 -----				
----- YEAR 2023 -----				
----- YEAR 2024 -----				
----- YEAR 2025 -----				
----- YEAR 2026 -----				
----- YEAR 2027 -----				
----- YEAR 2028 -----				
----- YEAR 2029 -----				
----- YEAR 2030 -----				
----- YEAR 2031 -----				
----- YEAR 2032 -----				
----- YEAR 2033 -----				
----- YEAR 2034 -----				
----- YEAR 2035 -----				
----- YEAR 2036 -----				
----- YEAR 2037 -----				
----- YEAR 2038 -----				
----- YEAR 2039 -----				
----- YEAR 2040 -----				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS 991 DUMMY_OP 1 991 2 3

YEAR 2011	MINIMUM BURN PCT	0.00	0.00	0.00
YEAR 2012	UNIT FUEL AUXILIARY COSTS	0.00	0.00	0.00
YEAR 2013	UNIT FUEL TYPE	0	0	0
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				

YEAR 2011	%	0.00	0.00	0.00
YEAR 2012	\$/MBTU	0.00	0.00	0.00
YEAR 2013	FUEL ID	0	0	0
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				
YEAR 2038				
YEAR 2039				
YEAR 2040				

THERMAL UNIT UNIT FUELS 992 DUMMY_OP 1 992 2 3

YEAR 2011	%	0.00	0.00	0.00
YEAR 2012	\$/MBTU	0.00	0.00	0.00
YEAR 2013	FUEL ID	0	0	0
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				

YEAR 2011	MINIMUM BURN PCT	0.00	0.00	0.00
YEAR 2012	UNIT FUEL AUXILIARY COSTS	0.00	0.00	0.00
YEAR 2013	UNIT FUEL TYPE	0	0	0
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				

----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

----- THERMAL UNIT
 UNIT FUELS

993 DUMMY_OP 993
 1 2 3

----- YEAR 2011 -----
 MINIMUM BURN FUEL
 UNIT FUEL AUXILIARY COSTS
 UNIT FUEL TYPE

FUEL ID	\$/MBTU	%
0	0.00	0.00
0	0.00	0.00
0	0.00	0.00

----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----

NOTE: DATA DISPLAYED ABOVE 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT UNIT FUELS 993 DUMMY_OP 1 993 2 3

----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

THERMAL UNIT UNIT FUELS 994 DUMMY_OP 1 994 2 3

----- YEAR 2011 -----
 MINIMUM BURR PCT 0.00 0.00 0.00
 UNIT FUEL AUXILIARY COSTS \$/MBTU 0.00 0.00 0.00
 UNIT FUEL TYPE FUEL ID 0 0 0
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----

YEAR	MINIMUM BURN PCT	UNIT FUEL AUXILIARY COSTS	UNIT FUEL TYPE	DUMMY_OP	1	2	3
YEAR 2038				995			
YEAR 2039							
YEAR 2040							
THERMAL UNIT							
UNIT FUELS							
YEAR 2011					0.00	0.00	0.00
YEAR 2012					0.00	0.00	0.00
YEAR 2013					0	0	0
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

UNIT FUELS	995	DUMPR_OP 1	2	3
----- YEAR 2036 -----				
----- YEAR 2037 -----				
----- YEAR 2038 -----				
----- YEAR 2039 -----				
----- YEAR 2040 -----				
----- YEAR 2011 -----	996	T4_TRONK 1	2	3
MINIMUM BURN PCT	%	100.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.15	0.00	0.00
UNIT FUEL TYPE	FUEL ID	69	0	0
----- YEAR 2012 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.16	0.00	0.00
----- YEAR 2013 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.16	0.00	0.00
----- YEAR 2014 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.17	0.00	0.00
----- YEAR 2015 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.17	0.00	0.00
----- YEAR 2016 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.18	0.00	0.00
----- YEAR 2017 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.18	0.00	0.00
----- YEAR 2018 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.19	0.00	0.00
----- YEAR 2019 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.19	0.00	0.00
----- YEAR 2020 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.20	0.00	0.00
----- YEAR 2021 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.20	0.00	0.00
----- YEAR 2022 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.21	0.00	0.00
----- YEAR 2023 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.22	0.00	0.00
----- YEAR 2024 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.22	0.00	0.00
----- YEAR 2025 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.23	0.00	0.00
----- YEAR 2026 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.23	0.00	0.00
----- YEAR 2027 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.24	0.00	0.00
----- YEAR 2028 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.25	0.00	0.00
----- YEAR 2029 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.26	0.00	0.00
----- YEAR 2030 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.26	0.00	0.00
----- YEAR 2031 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.27	0.00	0.00
----- YEAR 2032 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.28	0.00	0.00
----- YEAR 2033 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.29	0.00	0.00
----- YEAR 2034 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.29	0.00	0.00
----- YEAR 2035 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.30	0.00	0.00
----- YEAR 2036 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.31	0.00	0.00
----- YEAR 2037 -----				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.32	0.00	0.00

UNIT FUEL AUXILIARY COSTS	YEAR 2038	\$/MBTU	0.33	0.00	0.00
UNIT FUEL AUXILIARY COSTS	YEAR 2039	\$/MBTU	0.34	0.00	0.00
UNIT FUEL AUXILIARY COSTS	YEAR 2040	\$/MBTU	0.35	0.00	0.00
THERMAL UNIT		997	REPTR_KP 997	2	3
UNIT FUELS			1		
MINIMUM BURN PCT	YEAR 2011	%	100.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS		\$/MBTU	0.41	0.00	0.00
UNIT FUEL TYPE		FUEL ID	59	0	0
UNIT FUEL AUXILIARY COSTS	YEAR 2012	\$/MBTU	0.43	0.00	0.00
UNIT FUEL AUXILIARY COSTS	YEAR 2013	\$/MBTU	0.43	0.00	0.00
UNIT FUEL AUXILIARY COSTS	YEAR 2014	\$/MBTU	0.44	0.00	0.00
UNIT FUEL AUXILIARY COSTS	YEAR 2015	\$/MBTU	0.45	0.00	0.00
UNIT FUEL AUXILIARY COSTS	YEAR 2016	\$/MBTU	0.46	0.00	0.00
UNIT FUEL AUXILIARY COSTS	YEAR 2017	\$/MBTU	0.48	0.00	0.00
UNIT FUEL AUXILIARY COSTS	YEAR 2018	\$/MBTU	0.49	0.00	0.00
UNIT FUEL AUXILIARY COSTS	YEAR 2019	\$/MBTU	0.50	0.00	0.00
UNIT FUEL AUXILIARY COSTS	YEAR 2020	\$/MBTU	0.51	0.00	0.00
UNIT FUEL AUXILIARY COSTS	YEAR 2021	\$/MBTU	0.53	0.00	0.00
UNIT FUEL AUXILIARY COSTS	YEAR 2022	\$/MBTU	0.54	0.00	0.00
UNIT FUEL AUXILIARY COSTS	YEAR 2023	\$/MBTU	0.55	0.00	0.00
UNIT FUEL AUXILIARY COSTS	YEAR 2024	\$/MBTU	0.57	0.00	0.00
UNIT FUEL AUXILIARY COSTS	YEAR 2025	\$/MBTU	0.58	0.00	0.00
UNIT FUEL AUXILIARY COSTS	YEAR 2026	\$/MBTU	0.60	0.00	0.00

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

UNIT FUELS	997	RP2TR_KP 1	2	3
YEAR 2027				
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.61	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.63	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.64	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.66	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.68	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.70	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.71	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.73	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.75	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.77	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.79	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.81	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.83	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.85	0.00	0.00
THERMAL UNIT	998	RP2TR_IM 998	2	3
UNIT FUELS				
YEAR 2011				
MINIMUM BURN PCT	%	100.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.41	0.00	0.00
UNIT FUEL TYPE	FUEL ID	59	0	0
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.43	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.43	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.44	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.45	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.46	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.48	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.49	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.50	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.51	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.53	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.54	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.55	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.57	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.58	0.00	0.00
UNIT FUEL AUXILIARY COSTS	\$/MBTU	0.60	0.00	0.00

4-Company East Optimization

UNIT FUEL AUXILIARY COSTS		\$/MBTU	0.61	0.00	0.00
----- YEAR 2028 -----					
UNIT FUEL AUXILIARY COSTS		\$/MBTU	0.63	0.00	0.00
----- YEAR 2029 -----					
UNIT FUEL AUXILIARY COSTS		\$/MBTU	0.64	0.00	0.00
----- YEAR 2030 -----					
UNIT FUEL AUXILIARY COSTS		\$/MBTU	0.66	0.00	0.00
----- YEAR 2031 -----					
UNIT FUEL AUXILIARY COSTS		\$/MBTU	0.68	0.00	0.00
----- YEAR 2032 -----					
UNIT FUEL AUXILIARY COSTS		\$/MBTU	0.70	0.00	0.00
----- YEAR 2033 -----					
UNIT FUEL AUXILIARY COSTS		\$/MBTU	0.71	0.00	0.00
----- YEAR 2034 -----					
UNIT FUEL AUXILIARY COSTS		\$/MBTU	0.73	0.00	0.00
----- YEAR 2035 -----					
UNIT FUEL AUXILIARY COSTS		\$/MBTU	0.75	0.00	0.00
----- YEAR 2036 -----					
UNIT FUEL AUXILIARY COSTS		\$/MBTU	0.77	0.00	0.00
----- YEAR 2037 -----					
UNIT FUEL AUXILIARY COSTS		\$/MBTU	0.79	0.00	0.00
----- YEAR 2038 -----					
UNIT FUEL AUXILIARY COSTS		\$/MBTU	0.81	0.00	0.00
----- YEAR 2039 -----					
UNIT FUEL AUXILIARY COSTS		\$/MBTU	0.83	0.00	0.00
----- YEAR 2040 -----					
UNIT FUEL AUXILIARY COSTS		\$/MBTU	0.85	0.00	0.00
----- THERMAL UNIT -----					
UNIT FUELS	999	DUMMY_OP	999	1	2
----- YEAR 2011 -----					
MINIMUM BURN PCT		%	0.00	0.00	0.00
UNIT FUEL AUXILIARY COSTS		\$/MBTU	0.00	0.00	0.00
UNIT FUEL TYPE		FUEL ID	0	0	0
----- YEAR 2012 -----					
----- YEAR 2013 -----					
----- YEAR 2014 -----					
----- YEAR 2015 -----					
----- YEAR 2016 -----					
----- YEAR 2017 -----					
----- YEAR 2018 -----					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT	1 OPGO+CSP	1 AMOS	2 AMOS	3 AMOS_OP	4 BECKJORD	5 BIG SAND	6 BIG SAND	7 CARD 1+2
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
GENERATING COMPANIES								
THERMAL UNIT								
	1 OPGO+CSP	8	9	10	11	12	13	14
		CARD 1+2	CARD 3	CLIFFY 1	CLIFFY 2	CLIFFY 3	CLIFFY 4	CLIFFY 5
		2	3	1	2	3	4	5
YEAR 2011	RATIO	1.00	1.00	1.00	1.00	1.00	1.00	1.00
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								

----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

GENERATING COMPANIES
 THERMAL UNIT

	1	ORCO+GSP							
	15	CLIFTY	16	CLINCH R	17	CLINCH R	18	CLINCH R	19
	6		1		2		3	ROCKP_KP	20
								1	ROCKP_KP
								2	CSVL 1-4
									21
									3

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT	1	15	16	17	18	19	20	21
	OFCO+CSP	CLIFFY	CLINCH R	CLINCH R	CLINCH R	ROCKP_RP	ROCKP_RP	CSVL
		6	1	2	3	1	2	1-4
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

GENERATING COMPANIES THERMAL UNIT	1	22	23	24	25	26	27	28
	OFCO+CSP	CSVL 1-4	CSVL 5+6	CSVL 5+6	D C COOK	D C COOK	GAVIN	GAVIN
		4	5	6	1	2	1	2
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								

-----	YEAR 2037	-----										
-----	YEAR 2038	-----										
-----	YEAR 2039	-----										
-----	YEAR 2040	-----										
	GENERATING COMPANIES											
	THERMAL UNIT											
-----	YEAR 2011	-----	1	OPCO+CSP	29	GLN LN	30	31	32	33	34	35
-----	OWNERSHIP RATIO	-----			5	6	0	0		KAMMER 1	KAMMER 2	KAMMER 3
-----	YEAR 2012	-----			0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
-----	YEAR 2013	-----										
-----	YEAR 2014	-----										
-----	YEAR 2015	-----										
-----	YEAR 2016	-----										
-----	YEAR 2017	-----										
-----	YEAR 2018	-----										
-----	YEAR 2019	-----										
-----	YEAR 2020	-----										
-----	YEAR 2021	-----										
-----	YEAR 2022	-----										
-----	YEAR 2023	-----										
-----	YEAR 2024	-----										
-----	YEAR 2025	-----										
-----	YEAR 2026	-----										
-----	YEAR 2027	-----										
-----	YEAR 2028	-----										
-----	YEAR 2029	-----										
-----	YEAR 2030	-----										
-----	YEAR 2031	-----										
-----	YEAR 2032	-----										
-----	YEAR 2033	-----										
-----	YEAR 2034	-----										

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES
THERMAL UNIT

1 OPCO+CSP	
29	GLEN LYN
30	GLEN LYN
31	0
32	0
33	KAMMER 1
34	KAMMER 2
35	KAMMER 3

----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

GENERATING COMPANIES
THERMAL UNIT

1 OPCO+CSP	
36	KANAMHA 1
37	KANAMHA 2
38	KYGER 1
39	KYGER 2
40	KYGER 3
41	KYGER 4
42	KYGER 5

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

GENERATING COMPANIES
THERMAL UNIT

1 OPCO+CSP	
43	MITCHELL 1
44	MITCHELL 2
45	MOUNT ER 1
46	MUSK RVR 1
47	MUSK RVR 2
48	MUSK RVR 3
49	MUSK RVR 4

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----

YEAR 2016	-----										
YEAR 2017	-----										
YEAR 2018	-----										
YEAR 2019	-----										
YEAR 2020	-----										
YEAR 2021	-----										
YEAR 2022	-----										
YEAR 2023	-----										
YEAR 2024	-----										
YEAR 2025	-----										
YEAR 2026	-----										
YEAR 2027	-----										
YEAR 2028	-----										
YEAR 2029	-----										
YEAR 2030	-----										
YEAR 2031	-----										
YEAR 2032	-----										
YEAR 2033	-----										
YEAR 2034	-----										
YEAR 2035	-----										
YEAR 2036	-----										
YEAR 2037	-----										
YEAR 2038	-----										
YEAR 2039	-----										
YEAR 2040	-----										
GENERATING COMPANIES		1	OPECO+CSP								
THERMAL UNIT		50	MUSK RVR								
		51	P SPORN								
		52	P SPORN								
		53	P SPORN								
		54	P SPORN								
		55	P SPORN								
		56	PIGWAY								
OWNERSHIP RATIO											
YEAR 2011	-----	1.00	0.00	1.00	0.00	1.00	1.00	1.00			
YEAR 2012	-----										
YEAR 2013	-----										

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP INPUT THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT	1 OPGO+CSP					57 RPPRT_IM			58 RPRUN_IM			59 ROCKP_IM			60 STUVRT			61 STUVRT			62 STUVRT			63 STUVRT			
	MUSK RVR	P SPORN	P SPORN	P SPORN	P SPORN	_1	_1	_1	_1	_1	_1	_1	_1	_1	_1	_1	_1	_1	_1	_1	_1	_1	_1	_1	_1	_1	
YEAR 2014																											
YEAR 2015																											
YEAR 2016																											
YEAR 2017																											
YEAR 2018																											
YEAR 2019																											
YEAR 2020																											
YEAR 2021																											
YEAR 2022																											
YEAR 2023																											
YEAR 2024																											
YEAR 2025																											
YEAR 2026																											
YEAR 2027																											
YEAR 2028																											
YEAR 2029																											
YEAR 2030																											
YEAR 2031																											
YEAR 2032																											
YEAR 2033																											
YEAR 2034																											
YEAR 2035																											
YEAR 2036																											
YEAR 2037																											
YEAR 2038																											
YEAR 2039																											
YEAR 2040																											
GENERATING COMPANIES THERMAL UNIT																											
OWNERSHIP RATIO																											
YEAR 2011																											
YEAR 2012																											
YEAR 2013																											
YEAR 2014																											
YEAR 2015																											
YEAR 2016																											
YEAR 2017																											
YEAR 2018																											
YEAR 2019																											
YEAR 2020																											
YEAR 2021																											
YEAR 2022																											
YEAR 2023																											
YEAR 2024																											
YEAR 2025																											
YEAR 2026																											
YEAR 2027																											

4-Company East Optimization

-----	YEAR 2028	-----												
-----	YEAR 2029	-----												
-----	YEAR 2030	-----												
-----	YEAR 2031	-----												
-----	YEAR 2032	-----												
-----	YEAR 2033	-----												
-----	YEAR 2034	-----												
-----	YEAR 2035	-----												
-----	YEAR 2036	-----												
-----	YEAR 2037	-----												
-----	YEAR 2038	-----												
-----	YEAR 2039	-----												
-----	YEAR 2040	-----												
----- GENERATING COMPANIES -----														
THERMAL UNIT														
				1	OPCO+CSP									
-----	YEAR 2011	-----			64	STUART	65	TANN 1-3	67	68	69	70		
OWNSHIP RATIO			RATIO	1.00		4	AMOS AP	3	1	2	3	4	ZIMMER	1
-----	YEAR 2012	-----												
-----	YEAR 2013	-----												
-----	YEAR 2014	-----												
-----	YEAR 2015	-----												
-----	YEAR 2016	-----												
-----	YEAR 2017	-----												
-----	YEAR 2018	-----												
-----	YEAR 2019	-----												
-----	YEAR 2020	-----												
-----	YEAR 2021	-----												
-----	YEAR 2022	-----												
-----	YEAR 2023	-----												
-----	YEAR 2024	-----												
-----	YEAR 2025	-----												

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES
THERMAL UNIT

1	OPCO+CSP	64	65	66	67	68	69	70
STUART	4	AMOS_AP	3	TANN 1-3	1	TANN 1-3	2	TANN 1-3
							3	TANN 4
							4	ZIMMER
								1

YEAR 2026	-----
YEAR 2027	-----
YEAR 2028	-----
YEAR 2029	-----
YEAR 2030	-----
YEAR 2031	-----
YEAR 2032	-----
YEAR 2033	-----
YEAR 2034	-----
YEAR 2035	-----
YEAR 2036	-----
YEAR 2037	-----
YEAR 2038	-----
YEAR 2039	-----
YEAR 2040	-----

GENERATING COMPANIES
THERMAL UNIT

1	OPCO+CSP	71	72	73	75	76	77	78
ROBTMONE	1	ROBTMONE	2	ROBTMONE	3	CEREDO	1	CEREDO
							2	CEREDO
							3	CEREDO
								4

YEAR	RATIO	1.00	1.00	1.00	0.00	0.00	0.00	0.00
YEAR 2011	-----							
YEAR 2012	-----							
YEAR 2013	-----							
YEAR 2014	-----							
YEAR 2015	-----							
YEAR 2016	-----							
YEAR 2017	-----							
YEAR 2018	-----							
YEAR 2019	-----							
YEAR 2020	-----							
YEAR 2021	-----							
YEAR 2022	-----							
YEAR 2023	-----							
YEAR 2024	-----							
YEAR 2025	-----							
YEAR 2026	-----							
YEAR 2027	-----							
YEAR 2028	-----							
YEAR 2029	-----							
YEAR 2030	-----							
YEAR 2031	-----							
YEAR 2032	-----							
YEAR 2033	-----							
YEAR 2034	-----							
YEAR 2035	-----							
YEAR 2036	-----							
YEAR 2037	-----							
YEAR 2038	-----							
YEAR 2039	-----							

4-Company East Optimization

YEAR 2040	GENERATING COMPANIES THERMAL UNIT	1 OPCO+CSP	79 CEREDO 5	80 CEREDO 6	81 DARBY 1	82 DARBY 2	83 DARBY 3	84 DARBY 4	85 DARBY 5
YEAR 2011	OWNSHIP RATIO		0.00	0.00	1.00	1.00	1.00	1.00	1.00
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
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YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT		1 OPCO+CSP		80		81		82		83		84		85	
		CEREDO	CEREDO	DARBY	DARBY	DARBY	DARBY	DARBY	DARBY	DARBY	DARBY	DARBY	DARBY	DARBY	DARBY
YEAR 2038	-----	5	6	1	2	3	4	5							
YEAR 2039	-----														
YEAR 2040	-----														

GENERATING COMPANIES THERMAL UNIT		1 OPCO+CSP		86		87		88		89		90		91		92	
		DARBY	IMBG WIN	IMBG WIN	IMBG SHR	IMBG SHR	IMBG SHR	WATR CC	WATR CC	WATR2	WATR2	WATR2	WATR2	WATR2	WATR2	WATR2	WATR2
YEAR 2011	-----	6	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1
YEAR 2012	-----																
YEAR 2013	-----																
YEAR 2014	-----																
YEAR 2015	-----																
YEAR 2016	-----																
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YEAR 2030	-----																
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YEAR 2034	-----																
YEAR 2035	-----																
YEAR 2036	-----																
YEAR 2037	-----																
YEAR 2038	-----																
YEAR 2039	-----																
YEAR 2040	-----																

GENERATING COMPANIES THERMAL UNIT		1 OPCO+CSP		93		94		95		96		97		101		102	
		DRESDEN	DRESD2	0	0	0	0	0	0	NUCLEAR	NUCLEAR	UPC_NCCS	UPC_NCCS	UPC_NCCS	UPC_NCCS	UPC_NCCS	UPC_NCCS
YEAR 2011	-----	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1
YEAR 2012	-----																
YEAR 2013	-----																
YEAR 2014	-----																
YEAR 2015	-----																
YEAR 2016	-----																
YEAR 2017	-----																
YEAR 2018	-----																

OWNERSHIP RATIO		RATIO		0.00		0.00		0.00		1.00		0.00		1.00		1.00	
YEAR 2011	-----																
YEAR 2012	-----																
YEAR 2013	-----																
YEAR 2014	-----																
YEAR 2015	-----																
YEAR 2016	-----																
YEAR 2017	-----																
YEAR 2018	-----																

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT	1	OPCO+CSP	103	104	105	106	107	108	109
	PC_UL_SU	UPC_RCCS	IGC_MCCS	IGCC_GE	IGC_RCCS	CC_2X1FB	CC_2X1FA		
YEAR 2017	1								
YEAR 2018	1								
YEAR 2019	1								
YEAR 2020	1								
YEAR 2021	1								
YEAR 2022	1								
YEAR 2023	1								
YEAR 2024	1								
YEAR 2025	1								
YEAR 2026	1								
YEAR 2027	1								
YEAR 2028	1								
YEAR 2029	1								
YEAR 2030	1								
YEAR 2031	1								
YEAR 2032	1								
YEAR 2033	1								
YEAR 2034	1								
YEAR 2035	1								
YEAR 2036	1								
YEAR 2037	1								
YEAR 2038	1								
YEAR 2039	1								
YEAR 2040	1								

GENERATING COMPANIES
THERMAL UNIT

1	OPCO+CSP	110	111	114	115	119	120	124
	CC_1X17H	BS2_CC	CT_GE7FA	CT_GE7EA	BS2_FGD			
YEAR 2011	1							
YEAR 2012	1							
YEAR 2013	1							
YEAR 2014	1							
YEAR 2015	1							
YEAR 2016	1							
YEAR 2017	1							
YEAR 2018	1							
YEAR 2019	1							
YEAR 2020	1							
YEAR 2021	1							
YEAR 2022	1							
YEAR 2023	1							
YEAR 2024	1							
YEAR 2025	1							
YEAR 2026	1							
YEAR 2027	1							
YEAR 2028	1							
YEAR 2029	1							
YEAR 2030	1							

OWNERSHIP RATIO

RATIO	0.00	0.00	0.00	0.00	1.00	1.00	0.00
YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT		QUALIFIER = GAF.INPUT.THERMAL UNIT.									
YEAR	RATIO	1 OPCO+CSP	125	126	127	129	130	131	132		
		B51_FGD	CSV5_SCR	CSV6_SCR	CR1_NGCC	CR2_NGCC	MRS_NGCC	MRS_FGD			
YEAR 2029											
YEAR 2030											
YEAR 2031											
YEAR 2032											
YEAR 2033											
YEAR 2034											
YEAR 2035											
YEAR 2036											
YEAR 2037											
YEAR 2038											
YEAR 2039											
YEAR 2040											
GENERATING COMPANIES THERMAL UNIT		1 OPCO+CSP	133	134	135	136	137	144	145		
		RP1D_IM	RP2D_IM	TAN4_FGD	RP1D_KP	RP2D_KP	TC4_BSP	A390% AP			
YEAR	RATIO	1	2	4	1	2	4	3			
YEAR 2011	0.00										
YEAR 2012											
YEAR 2013											
YEAR 2014											
YEAR 2015											
YEAR 2016											
YEAR 2017											
YEAR 2018											
YEAR 2019											
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YEAR 2030											
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YEAR 2034											
YEAR 2035											
YEAR 2036											
YEAR 2037											
YEAR 2038											
YEAR 2039											
YEAR 2040											
GENERATING COMPANIES THERMAL UNIT		1 OPCO+CSP	146	147	148	149	150	151	153		
		A390%OP	MFN_90%	RP71_90%	RP72_90%	GV1_90%	GV2_90%	MFN_18%			
YEAR	RATIO	3	1	1	2	1	2	1			
YEAR 2011											
YEAR 2012											
YEAR 2013											
YEAR 2014											
YEAR 2015											
YEAR 2016											
YEAR 2017											
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YEAR 2030											
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YEAR 2032											
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YEAR 2035											
YEAR 2036											
YEAR 2037											
YEAR 2038											
YEAR 2039											
YEAR 2040											

1031

4-Company East Optimization

YEAR 2011	RATIO	1.00	0.00	0.00	1.00	1.00	0.00
OWNERSHIP RATIO							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
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YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT		QUALIFIER = GAP.INPUT.THERMAL UNIT.							
		1	154	155	156	157	158	159	160
		OPCO+CSP	CC_FA_KP	CT_OHIO	CC_OH	CT_I&M	CC_I&M	CT_ARCO	CC_ARCO
			1	1	1	1	1	1	1
YEAR	RATIO								
YEAR 2011	0.00			1.00	1.00	0.00	0.00	0.00	0.00
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
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YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									
GENERATING COMPANIES									
THERMAL UNIT									
		1	161	162	163	164	165	166	168
		OPCO+CSP	CT_KPCCO	CC_KPCCO	BS2_FGD	BS2_FGD	BS2_FGD	BS2_FGD	IGCC_Ap
			1	1	1	5	22	23	1
YEAR	RATIO								
YEAR 2011	0.00			0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
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YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									

-----	YEAR 2037	-----															
-----	YEAR 2038	-----															
-----	YEAR 2039	-----															
-----	YEAR 2040	-----															

GENERATING COMPANIES																	
THERMAL UNIT																	
-----	YEAR 2011	-----	1	OPCO+CSP	184	186	187	188	189	190	191						
-----	OWNERSHIP RATIO	-----		RPLD_20	1	RPIPR_1M	1	RP2TR_1M	2	RP1TR_KP	1	RP2TR_KP	2	T4_TROWA	4	T4_TRCCR	4
-----	YEAR 2012	-----			0.00		0.00		0.00		0.00		0.00		0.00		0.00
-----	YEAR 2013	-----															
-----	YEAR 2014	-----															
-----	YEAR 2015	-----															
-----	YEAR 2016	-----															
-----	YEAR 2017	-----															
-----	YEAR 2018	-----															
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-----	YEAR 2020	-----															
-----	YEAR 2021	-----															
-----	YEAR 2022	-----															
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-----	YEAR 2029	-----															
-----	YEAR 2030	-----															
-----	YEAR 2031	-----															
-----	YEAR 2032	-----															
-----	YEAR 2033	-----															
-----	YEAR 2034	-----															

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT		QUALIFIER = GAF.INPUT.THERMAL UNIT.								
		1	OPCO+CSP	184	186	187	188	189	190	191
		RPID_20	RPT1R_1M	RP2TR_1M	RPT1R_KP	RP2TR_KP	T4_TRONA	T4_TRONA	T4_TRONA	T4_TRCCR
		1	1	2	1	2	4	4	4	4
YEAR 2035	-----									
YEAR 2036	-----									
YEAR 2037	-----									
YEAR 2038	-----									
YEAR 2039	-----									
YEAR 2040	-----									

GENERATING COMPANIES THERMAL UNIT		QUALIFIER = GAF.INPUT.THERMAL UNIT.								
		1	OPCO+CSP	223	224	228	229	230	231	232
		MR_STR1	MR_STR2	AMS3_SI	BS2_SI	MR5_CF	MR5_SI	MR5_SI	RPT1_OF	
		1	1	3	2	5	5	5	1	
YEAR 2011	-----									
YEAR 2012	-----									
YEAR 2013	-----									
YEAR 2014	-----									
YEAR 2015	-----									
YEAR 2016	-----									
YEAR 2017	-----									
YEAR 2018	-----									
YEAR 2019	-----									
YEAR 2020	-----									
YEAR 2021	-----									
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YEAR 2024	-----									
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YEAR 2028	-----									
YEAR 2029	-----									
YEAR 2030	-----									
YEAR 2031	-----									
YEAR 2032	-----									
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YEAR 2034	-----									
YEAR 2035	-----									
YEAR 2036	-----									
YEAR 2037	-----									
YEAR 2038	-----									
YEAR 2039	-----									
YEAR 2040	-----									

GENERATING COMPANIES THERMAL UNIT		QUALIFIER = GAF.INPUT.THERMAL UNIT.								
		1	OPCO+CSP	233	234	235	251	252	253	254
		RPT2_CF	RPT1_SI	RPT2_SI	DC1_HPT	DC1_IS	DC1_EFF	DC1_I17		
		2	1	2	1	1	1	1	1	1
YEAR 2011	-----									
YEAR 2012	-----									
YEAR 2013	-----									
YEAR 2014	-----									
YEAR 2015	-----									

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES
THERMAL UNIT

1 OPCO+CSP		255		257		258		259		260		269		270	
DC1_3800	1	DC2_HPT	2	DC2_EFF	2	DC2_SPU	2	DC2_3800	2	BIGSD_15	1	BIGSD_GP	1		

YEAR 2014	-----
YEAR 2015	-----
YEAR 2016	-----
YEAR 2017	-----
YEAR 2018	-----
YEAR 2019	-----
YEAR 2020	-----
YEAR 2021	-----
YEAR 2022	-----
YEAR 2023	-----
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YEAR 2028	-----
YEAR 2029	-----
YEAR 2030	-----
YEAR 2031	-----
YEAR 2032	-----
YEAR 2033	-----
YEAR 2034	-----
YEAR 2035	-----
YEAR 2036	-----
YEAR 2037	-----
YEAR 2038	-----
YEAR 2039	-----
YEAR 2040	-----

GENERATING COMPANIES
THERMAL UNIT

1 OPCO+CSP		271		272		273		274		275		276		277	
CLN_Q_HM	1	CLN_Q_15	1	CLN_Q_HM	2	CLN_Q_15	2	CLN_Q_HM	3	CLN_Q_15	3	CVL_3_HM	3		

YEAR 2011	-----
YEAR 2012	-----
YEAR 2013	-----
YEAR 2014	-----
YEAR 2015	-----
YEAR 2016	-----
YEAR 2017	-----
YEAR 2018	-----
YEAR 2019	-----
YEAR 2020	-----
YEAR 2021	-----
YEAR 2022	-----
YEAR 2023	-----
YEAR 2024	-----
YEAR 2025	-----
YEAR 2026	-----
YEAR 2027	-----

OWNERSHIP RATIO		RATIO		RATIO		RATIO		RATIO		RATIO		RATIO		RATIO	
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APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

GENERATING COMPANIES
THERMAL UNIT

1 OPCO+CSP		285		286		287		288		289		290		291	
CVL_3_10	GLN_5_5	GLN_5_15	GLN_6_6	GLN_6_15	KMR_F_HM	KMR_F_GP	KWA_1_1	KWA_1_15	KWA_2_HM	CVL_3_10	GLN_5_5	GLN_5_15	GLN_6_6	GLN_6_15	KMR_F_HM
278	279	280	281	282	283	284									
3	5	5	6	6	1	1									

----- YEAR 2026 -----
 ----- YEAR 2027 -----
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 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

GENERATING COMPANIES
THERMAL UNIT

1 OPCO+CSP		285		286		287		288		289		290		291	
KMR_F_HM	KMR_F_GP	KMR_F_HM	KMR_F_GP	KWA_1_1	KWA_1_15	KWA_2_HM									
2	2	3	3	1	1	2									

----- YEAR 2011 -----
 ----- YEAR 2012 -----
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 ----- YEAR 2039 -----

----- YEAR 2011 -----
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 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----

4-Company East Optimization

YEAR 2040	GENERATING COMPANIES THERMAL UNIT	1 OPGO+CSP	292 KWA_2_15 2	293 MSKRL_HM 1	294 MSKRL_12 1	295 MSKRR2_HM 2	296 MSKRR2_12 2	297 MSKRR3_GP 3	298 MR3HM_12 3
YEAR 2011	OWNERSHIP RATIO	RATIO	0.00	1.00	1.00	1.00	1.00	1.00	1.00
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
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YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

-----	YEAR 2019	-----							
-----	YEAR 2020	-----							
-----	YEAR 2021	-----							
-----	YEAR 2022	-----							
-----	YEAR 2023	-----							
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-----	YEAR 2028	-----							
-----	YEAR 2029	-----							
-----	YEAR 2030	-----							
-----	YEAR 2031	-----							
-----	YEAR 2032	-----							
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-----	YEAR 2034	-----							
-----	YEAR 2035	-----							
-----	YEAR 2036	-----							
-----	YEAR 2037	-----							
-----	YEAR 2038	-----							
-----	YEAR 2039	-----							
-----	YEAR 2040	-----							
GENERATING COMPANIES									
THERMAL UNIT									
			1	OPCOHCSP					
			313	TNR_F_HM					
			1						
			314	TNR_F_15					
			1						
			315	TNR_F_HM					
			2						
			316	TNR_F_15					
			2						
			317	TNR_F_HM					
			3						
			318	TNR_F_15					
			3						
			319	PW_GP_15					
			5						
-----	YEAR 2011	-----							
-----	YEAR 2012	-----							
-----	YEAR 2013	-----							
-----	YEAR 2014	-----							
-----	YEAR 2015	-----							
-----	YEAR 2016	-----							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT	1	ORCO+CSP	313	TNR_F_HM 1	314	TNR_F_15 1	315	TNR_F_HM 2	316	TNR_F_15 2	317	TNR_F_HM 3	318	TNR_F_15 3	319	PW_GP_15 5
YEAR 2017																
YEAR 2018																
YEAR 2019																
YEAR 2020																
YEAR 2021																
YEAR 2022																
YEAR 2023																
YEAR 2024																
YEAR 2025																
YEAR 2026																
YEAR 2027																
YEAR 2028																
YEAR 2029																
YEAR 2030																
YEAR 2031																
YEAR 2032																
YEAR 2033																
YEAR 2034																
YEAR 2035																
YEAR 2036																
YEAR 2037																
YEAR 2038																
YEAR 2039																
YEAR 2040																

GENERATING COMPANIES
THERMAL UNIT

1	ORCO+CSP	320	PH11S 1	500	DUMMY_OP 0	501	DUMMY_TM 0	502	DUMMY_AP 0	503	DUMMY_KP 0	958	CC_KPCO 958	959	RE2D_KP 959
YEAR 2011															
YEAR 2012															
YEAR 2013															
YEAR 2014															
YEAR 2015															
YEAR 2016															
YEAR 2017															
YEAR 2018															
YEAR 2019															
YEAR 2020															
YEAR 2021															
YEAR 2022															
YEAR 2023															
YEAR 2024															
YEAR 2025															
YEAR 2026															
YEAR 2027															
YEAR 2028															
YEAR 2029															
YEAR 2030															

OWNERSHIP RATIO RATIO 0.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00

YEAR 2011	
YEAR 2012	
YEAR 2013	
YEAR 2014	
YEAR 2015	
YEAR 2016	
YEAR 2017	
YEAR 2018	
YEAR 2019	
YEAR 2020	
YEAR 2021	
YEAR 2022	
YEAR 2023	
YEAR 2024	
YEAR 2025	
YEAR 2026	
YEAR 2027	
YEAR 2028	
YEAR 2029	
YEAR 2030	

-----	YEAR 2031	-----														
-----	YEAR 2032	-----														
-----	YEAR 2033	-----														
-----	YEAR 2034	-----														
-----	YEAR 2035	-----														
-----	YEAR 2036	-----														
-----	YEAR 2037	-----														
-----	YEAR 2038	-----														
-----	YEAR 2039	-----														
-----	YEAR 2040	-----														
GENERATING COMPANIES																
THERMAL UNIT																
				1	OCCO+CSP											
			RP2D_IV	960	CSV6_SCR	961	CSV5_SCR	962	DUMMY_OP	963	DUMMY_OP	964	RP1D_03	965	RP1D_KP	966
			960		961		962		963		964		965		966	
-----	YEAR 2011	-----		RATIO	0.00	1.00	1.00	1.00	1.00	0.00	0.00					
-----	YEAR 2012	-----														
-----	YEAR 2013	-----														
-----	YEAR 2014	-----														
-----	YEAR 2015	-----														
-----	YEAR 2016	-----														
-----	YEAR 2017	-----														
-----	YEAR 2018	-----														
-----	YEAR 2019	-----														
-----	YEAR 2020	-----														
-----	YEAR 2021	-----														
-----	YEAR 2022	-----														
-----	YEAR 2023	-----														
-----	YEAR 2024	-----														
-----	YEAR 2025	-----														
-----	YEAR 2026	-----														
-----	YEAR 2027	-----														
-----	YEAR 2028	-----														

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

GENERATING COMPANIES THERMAL UNIT		1 OPCO+CSP													
YEAR 2029		RP2D_IM	960	CSV6_SCR	961	CSV5_SCR	962	DUMMY_OP	963	DUMMY_OP	964	RPID_03	965	RPID_KP	966
YEAR 2030					961		962		963		964		965		966
YEAR 2031															
YEAR 2032															
YEAR 2033															
YEAR 2034															
YEAR 2035															
YEAR 2036															
YEAR 2037															
YEAR 2038															
YEAR 2039															
YEAR 2040															

GENERATING COMPANIES THERMAL UNIT		1 OPCO+CSP													
YEAR 2011		BS2_FGD	967	CR2_NGCC	968	CR1_NGCC	969	MRS_NGCC	970	DUMMY_OP	971	DUMMY_OP	972	DUMMY_OP	973
YEAR 2012					968		969		970		971		972		973
YEAR 2013															
YEAR 2014															
YEAR 2015															
YEAR 2016															
YEAR 2017															
YEAR 2018															
YEAR 2019															
YEAR 2020															
YEAR 2021															
YEAR 2022															
YEAR 2023															
YEAR 2024															
YEAR 2025															
YEAR 2026															
YEAR 2027															
YEAR 2028															
YEAR 2029															
YEAR 2030															
YEAR 2031															
YEAR 2032															
YEAR 2033															
YEAR 2034															
YEAR 2035															
YEAR 2036															
YEAR 2037															
YEAR 2038															
YEAR 2039															
YEAR 2040															

GENERATING COMPANIES THERMAL UNIT		1 OPCO+CSP													
YEAR 2011			0.00		0.00		0.00		1.00		1.00		1.00		1.00
YEAR 2012															
YEAR 2013															
YEAR 2014															
YEAR 2015															
YEAR 2016															
YEAR 2017															
YEAR 2018															
YEAR 2019															
YEAR 2020															
YEAR 2021															
YEAR 2022															
YEAR 2023															
YEAR 2024															
YEAR 2025															
YEAR 2026															
YEAR 2027															
YEAR 2028															
YEAR 2029															
YEAR 2030															
YEAR 2031															
YEAR 2032															
YEAR 2033															
YEAR 2034															
YEAR 2035															
YEAR 2036															
YEAR 2037															
YEAR 2038															
YEAR 2039															
YEAR 2040															

GENERATING COMPANIES THERMAL UNIT		1 OPCO+CSP													
YEAR 2011		DUMMY_OP	974	DUMMY_OP	975	DUMMY_OP	976	DUMMY_OP	977	DUMMY_OP	978	DUMMY_OP	979	DUMMY_OP	980
YEAR 2012			974		975		976		977		978		979		980
YEAR 2013															
YEAR 2014															
YEAR 2015															
YEAR 2016															
YEAR 2017															
YEAR 2018															
YEAR 2019															
YEAR 2020															
YEAR 2021															
YEAR 2022															
YEAR 2023															
YEAR 2024															
YEAR 2025															
YEAR 2026															
YEAR 2027															
YEAR 2028															
YEAR 2029															
YEAR 2030															
YEAR 2031															
YEAR 2032															
YEAR 2033															
YEAR 2034															
YEAR 2035															
YEAR 2036															
YEAR 2037															
YEAR 2038															
YEAR 2039															
YEAR 2040															

4-Company East Optimization

YEAR 2011	RATIO	1.00	1.00	1.00	1.00	1.00	1.00
MEMBERSHIP RATIO							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT		1 OPCO+CSP													
OWNERSHIP RATIO	YEAR	981	982	983	984	985	986	987	988	989	990	991	992	993	994
		DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
1.00	YEAR 2011	981	982	983	984	985	986	987	988	989	990	991	992	993	994
1.00	YEAR 2012	981	982	983	984	985	986	987	988	989	990	991	992	993	994
1.00	YEAR 2013	981	982	983	984	985	986	987	988	989	990	991	992	993	994
1.00	YEAR 2014	981	982	983	984	985	986	987	988	989	990	991	992	993	994
1.00	YEAR 2015	981	982	983	984	985	986	987	988	989	990	991	992	993	994
1.00	YEAR 2016	981	982	983	984	985	986	987	988	989	990	991	992	993	994
1.00	YEAR 2017	981	982	983	984	985	986	987	988	989	990	991	992	993	994
1.00	YEAR 2018	981	982	983	984	985	986	987	988	989	990	991	992	993	994
1.00	YEAR 2019	981	982	983	984	985	986	987	988	989	990	991	992	993	994
1.00	YEAR 2020	981	982	983	984	985	986	987	988	989	990	991	992	993	994
1.00	YEAR 2021	981	982	983	984	985	986	987	988	989	990	991	992	993	994
1.00	YEAR 2022	981	982	983	984	985	986	987	988	989	990	991	992	993	994
1.00	YEAR 2023	981	982	983	984	985	986	987	988	989	990	991	992	993	994
1.00	YEAR 2024	981	982	983	984	985	986	987	988	989	990	991	992	993	994
1.00	YEAR 2025	981	982	983	984	985	986	987	988	989	990	991	992	993	994
1.00	YEAR 2026	981	982	983	984	985	986	987	988	989	990	991	992	993	994
1.00	YEAR 2027	981	982	983	984	985	986	987	988	989	990	991	992	993	994
1.00	YEAR 2028	981	982	983	984	985	986	987	988	989	990	991	992	993	994
1.00	YEAR 2029	981	982	983	984	985	986	987	988	989	990	991	992	993	994
1.00	YEAR 2030	981	982	983	984	985	986	987	988	989	990	991	992	993	994
1.00	YEAR 2031	981	982	983	984	985	986	987	988	989	990	991	992	993	994
1.00	YEAR 2032	981	982	983	984	985	986	987	988	989	990	991	992	993	994
1.00	YEAR 2033	981	982	983	984	985	986	987	988	989	990	991	992	993	994
1.00	YEAR 2034	981	982	983	984	985	986	987	988	989	990	991	992	993	994
1.00	YEAR 2035	981	982	983	984	985	986	987	988	989	990	991	992	993	994
1.00	YEAR 2036	981	982	983	984	985	986	987	988	989	990	991	992	993	994
1.00	YEAR 2037	981	982	983	984	985	986	987	988	989	990	991	992	993	994
1.00	YEAR 2038	981	982	983	984	985	986	987	988	989	990	991	992	993	994
1.00	YEAR 2039	981	982	983	984	985	986	987	988	989	990	991	992	993	994
1.00	YEAR 2040	981	982	983	984	985	986	987	988	989	990	991	992	993	994
GENERATING COMPANIES															
THERMAL UNIT															
		1 OPCO+CSP													
		DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
		988	989	990	991	992	993	994	988	989	990	991	992	993	994
1.00	YEAR 2011	988	989	990	991	992	993	994	988	989	990	991	992	993	994
1.00	YEAR 2012	988	989	990	991	992	993	994	988	989	990	991	992	993	994
1.00	YEAR 2013	988	989	990	991	992	993	994	988	989	990	991	992	993	994
1.00	YEAR 2014	988	989	990	991	992	993	994	988	989	990	991	992	993	994
1.00	YEAR 2015	988	989	990	991	992	993	994	988	989	990	991	992	993	994
1.00	YEAR 2016	988	989	990	991	992	993	994	988	989	990	991	992	993	994
1.00	YEAR 2017	988	989	990	991	992	993	994	988	989	990	991	992	993	994
1.00	YEAR 2018	988	989	990	991	992	993	994	988	989	990	991	992	993	994
1.00	YEAR 2019	988	989	990	991	992	993	994	988	989	990	991	992	993	994
1.00	YEAR 2020	988	989	990	991	992	993	994	988	989	990	991	992	993	994
1.00	YEAR 2021	988	989	990	991	992	993	994	988	989	990	991	992	993	994
1.00	YEAR 2022	988	989	990	991	992	993	994	988	989	990	991	992	993	994
1.00	YEAR 2023	988	989	990	991	992	993	994	988	989	990	991	992	993	994
1.00	YEAR 2024	988	989	990	991	992	993	994	988	989	990	991	992	993	994

----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

GENERATING COMPANIES
 THERMAL UNIT

	1	OPCO+CSP					
----- YEAR 2011 -----		995	T4_TRONKA	996	RP2TR_KP	997	998
OWNERSHIP RATIO		DUMMY_OP	995	996	997	998	DUMMY_OP
		995	995	996	997	998	999
----- YEAR 2012 -----							
----- YEAR 2013 -----							
----- YEAR 2014 -----							
----- YEAR 2015 -----							
----- YEAR 2016 -----							
----- YEAR 2017 -----							
----- YEAR 2018 -----							
----- YEAR 2019 -----							
----- YEAR 2020 -----							
----- YEAR 2021 -----							
----- YEAR 2022 -----							

----- YEAR 2011 ----- RATIO 1.00 0.00 0.00 0.00 1.00

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

GENERATING COMPANIES THERMAL UNIT	1 OPGO+CSP	995	T4_TRONA 996	RR2TR_KP 997	RR2TR_IM 998	DUMMY_OP 999
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

GENERATING COMPANIES
THERMAL UNIT

YEAR 2011	2 IAM	1 AMOS	2 AMOS	3 AMOS_OP	4 BECKJORD	5 BIG SAND	6 BIG SAND	7 CARD 1+2
YEAR 2011		1	2	3	4	5	6	7
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								

OWNERSHIP RATIO	RATIO
YEAR 2011	0.00
YEAR 2012	0.00
YEAR 2013	0.00
YEAR 2014	0.00
YEAR 2015	0.00
YEAR 2016	0.00
YEAR 2017	0.00
YEAR 2018	0.00
YEAR 2019	0.00
YEAR 2020	0.00
YEAR 2021	0.00
YEAR 2022	0.00
YEAR 2023	0.00
YEAR 2024	0.00
YEAR 2025	0.00
YEAR 2026	0.00
YEAR 2027	0.00
YEAR 2028	0.00
YEAR 2029	0.00
YEAR 2030	0.00
YEAR 2031	0.00
YEAR 2032	0.00
YEAR 2033	0.00
YEAR 2034	0.00
YEAR 2035	0.00
YEAR 2036	0.00

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT	2 I&M	8 CARD 1+2	9 CARD 3	10 CLIFTY 1	11 CLIFTY 2	12 CLIFTY 3	13 CLIFTY 4	14 CLIFTY 5
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

GENERATING COMPANIES THERMAL UNIT	2 I&M	15 CLIFTY 6	16 CLINCH 1	17 CLINCH 2	18 CLINCH 3	19 ROCKP_KP_1	20 ROCKP_KP_2	21 CSVL 1-4 3
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

GENERATING COMPANIES THERMAL UNIT	2 I&M	22 CSVL 1-4 4	23 CSVL 5+6 5	24 CSVL 5+6 6	25 D C COOK 1	26 D C COOK 2	27 GAVIN 1	28 GAVIN 2
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								

OWNERSHIP RATIO	RATIO	0.00	0.00	0.00	1.00	1.00	0.00	0.00
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								

-----	YEAR 2016	-----								
-----	YEAR 2017	-----								
-----	YEAR 2018	-----								
-----	YEAR 2019	-----								
-----	YEAR 2020	-----								
-----	YEAR 2021	-----								
-----	YEAR 2022	-----								
-----	YEAR 2023	-----								
-----	YEAR 2024	-----								
-----	YEAR 2025	-----								
-----	YEAR 2026	-----								
-----	YEAR 2027	-----								
-----	YEAR 2028	-----								
-----	YEAR 2029	-----								
-----	YEAR 2030	-----								
-----	YEAR 2031	-----								
-----	YEAR 2032	-----								
-----	YEAR 2033	-----								
-----	YEAR 2034	-----								
-----	YEAR 2035	-----								
-----	YEAR 2036	-----								
-----	YEAR 2037	-----								
-----	YEAR 2038	-----								
-----	YEAR 2039	-----								
-----	YEAR 2040	-----								

GENERATING COMPANIES										
THERMAL UNIT										
			2	I&M						
			29	GLEN LYN						
			5	GLEN LYN						
			30	GLEN LYN						
			6	GLEN LYN						
			31							
			0							
			32							
			0							
			33	KAMMER						
			1	KAMMER						
			34	KAMMER						
			2	KAMMER						
			35	KAMMER						
			3	KAMMER						
			0.00							
-----	YEAR 2011	-----								
-----	YEAR 2012	-----								
-----	YEAR 2013	-----								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT	2 I&M	29 GLEN LYN 5	30 GLEN LYN 6	31 0	32 0	33 KAWMER 1	34 KAWMER 2	35 KAWMER 3
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
GENERATING COMPANIES								
THERMAL UNIT								
	2 I&M	36 KANMWA 1	37 KANMWA 2	38 KYGER 1	39 KYGER 2	40 KYGER 3	41 KYGER 4	42 KYGER 5
YEAR 2011								
OWNERSHIP RATIO	RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								

YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									
GENERATING COMPANIES									
THERMAL UNIT									
YEAR 2011		2 I&M							
YEAR 2012			43 MITCHELL 1	44 MITCHELL 2	45 MOUNT_ER 1	46 MUSK RVR 1	47 MUSK RVR 2	48 MUSK RVR 3	49 MUSK RVR 4
YEAR 2013			0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT	2 IEM	43 MITCHELL 1	44 MITCHELL 2	45 MOUNT ER 1	46 MUSK RVR 1	47 MUSK RVR 2	48 MUSK RVR 3	49 MUSK RVR 4
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
GENERATING COMPANIES THERMAL UNIT	2 IEM	50 MUSK RVR 5	51 P SPOBN 1	52 P SPOBN 2	53 P SPOBN 3	54 P SPOBN 4	55 P SPOBN 5	56 PICMAX 5
YEAR 2011	RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
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YEAR 2022								
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YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								

4-Company East Optimization

YEAR 2040	GENERATING COMPANIES THERMAL UNIT	2 T&M	57 RPRRT_IM _1	58 RPRUN_IM _1	59 ROCKP_IM _2	60	61 STUART _1	62 STUART _2	63 STUART _3
YEAR 2011	MEMBERSHIP RATIO	RATIO	1.00	1.00	1.00	0.00	0.00	0.00	0.00
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
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YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT	2 I&M	57 RPRRT_IM 1	58 RPRUN_IM 1	59 ROCKP_IM 2	60	61 STUART 1	62 STUART 2	63 STUART 3
YEAR 2038								
YEAR 2039								
YEAR 2040								

GENERATING COMPANIES THERMAL UNIT	2 I&M	64 STUART 4	65 AMOS_AP 3	66 TANN 1-3 1	67 TANN 1-3 2	68 TANN 1-3 3	69 TANN 4 4	70 ZIMMER 1
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
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YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

OWNERSHIP RATIO	RATIO	71 ROBTMONE 1	72 ROBTMONE 2	73 ROBTMONE 3	75 CEREDO 1	76 CEREDO 2	77 CEREDO 3	78 CEREDO 4
YEAR 2011	0.00							
YEAR 2012	0.00							
YEAR 2013	0.00							
YEAR 2014	0.00							
YEAR 2015	0.00							
YEAR 2016	0.00							
YEAR 2017	0.00							
YEAR 2018	0.00							

GENERATING COMPANIES THERMAL UNIT	2 I&M	71 ROBTMONE 1	72 ROBTMONE 2	73 ROBTMONE 3	75 CEREDO 1	76 CEREDO 2	77 CEREDO 3	78 CEREDO 4
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT	2 ICM	79	80	81	82	83	84	85
YEAR 2017		CEREDO 5	CEREDO 6	DARBY 1	DARBY 2	DARBY 3	DARBY 4	DARBY 5
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
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YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

GENERATING COMPANIES
THERMAL UNIT

2 ICM

86	87	88	89	90	91	92
DARBY 6	IMBG WIN 1	IMBG WIN 2	IMBG SMR 1	IMBG SMR 2	WATR CC 1	WATR2 1

OWNERSHIP RATIO	RATIO	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							

-----	YEAR 2031	-----									
-----	YEAR 2032	-----									
-----	YEAR 2033	-----									
-----	YEAR 2034	-----									
-----	YEAR 2035	-----									
-----	YEAR 2036	-----									
-----	YEAR 2037	-----									
-----	YEAR 2038	-----									
-----	YEAR 2039	-----									
-----	YEAR 2040	-----									
GENERATING COMPANIES											
THERMAL UNIT											
			2 I&M								
			93		94		95		96		97
			DRESDEN		DRESD2		0		0		NUCLEAR
			1		1						101
											NUCLEAR
											1
											102
											UPC_NCCS
											1
-----	YEAR 2011	-----	RATIO	0.00	0.00	0.00	0.00	1.00	0.00	0.00	
-----	YEAR 2012	-----									
-----	YEAR 2013	-----									
-----	YEAR 2014	-----									
-----	YEAR 2015	-----									
-----	YEAR 2016	-----									
-----	YEAR 2017	-----									
-----	YEAR 2018	-----									
-----	YEAR 2019	-----									
-----	YEAR 2020	-----									
-----	YEAR 2021	-----									
-----	YEAR 2022	-----									
-----	YEAR 2023	-----									
-----	YEAR 2024	-----									
-----	YEAR 2025	-----									
-----	YEAR 2026	-----									
-----	YEAR 2027	-----									
-----	YEAR 2028	-----									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT		2 I&M		93		94		95		96		97		101		102	
		DRESDEN		DRESD2		0		0		0		0		NUCLEAR		UPC_NCCS	
		1		1		1		1		1		1		1		1	
YEAR 2029	-----																
YEAR 2030	-----																
YEAR 2031	-----																
YEAR 2032	-----																
YEAR 2033	-----																
YEAR 2034	-----																
YEAR 2035	-----																
YEAR 2036	-----																
YEAR 2037	-----																
YEAR 2038	-----																
YEAR 2039	-----																
YEAR 2040	-----																
GENERATING COMPANIES THERMAL UNIT		2 I&M		103		104		105		106		107		108		109	
		PC_DU_SU		UPC_RCCS		IGC_NCCS		IGCC GE		IGC_RCCS		CC 2X1FB		CC 2X1FA			
		1		1		1		1		1		1		1		1	
YEAR 2011	-----																
OWNERSHIP RATIO		RATIO		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
YEAR 2012	-----																
YEAR 2013	-----																
YEAR 2014	-----																
YEAR 2015	-----																
YEAR 2016	-----																
YEAR 2017	-----																
YEAR 2018	-----																
YEAR 2019	-----																
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YEAR 2021	-----																
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YEAR 2030	-----																
YEAR 2031	-----																
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YEAR 2035	-----																
YEAR 2036	-----																
YEAR 2037	-----																
YEAR 2038	-----																
YEAR 2039	-----																
YEAR 2040	-----																
GENERATING COMPANIES THERMAL UNIT		2 I&M		110		111		114		115		119		120		124	
		CC 1x17H		BS2_CC		CF GE7FA		CF GE7EA						BS2_F9D			
		1		1		1		1		1		0		0		2	
YEAR 2040	-----																

4-Company East Optimization

YEAR 2011	RATIO	0.00	0.00	0.00	0.00	0.00	0.00
MEMBERSHIP RATIO							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
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YEAR 2030							
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YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES		2 I&M		125		126		127		129		130		131		132	
THERMAL UNIT		BS1_FGD		CSW5_SCR		CSW6_SCR		CR1_NGCC		CR2_NGCC		MRS_NGCC		MRS_FGD			
YEAR	RATIO	1	5	6	1	2	5	5	5	5	5	5	5	5	5	5	5
YEAR 2011	0.00																
YEAR 2012																	
YEAR 2013																	
YEAR 2014																	
YEAR 2015																	
YEAR 2016																	
YEAR 2017																	
YEAR 2018																	
YEAR 2019																	
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YEAR 2030																	
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YEAR 2032																	
YEAR 2033																	
YEAR 2034																	
YEAR 2035																	
YEAR 2036																	
YEAR 2037																	
YEAR 2038																	
YEAR 2039																	
YEAR 2040																	
GENERATING COMPANIES		2 I&M		133		134		135		136		137		144		145	
THERMAL UNIT		RP1D_IM		RP2D_IM		TAN4_FGD		RP1D_KP		RP2D_KP		TC4_ESP		A3908_AP			
YEAR 2011	1.00	1	2	4	1	2	4	1	2	4	4	3	5	5	5	5	5
YEAR 2012																	
YEAR 2013																	
YEAR 2014																	
YEAR 2015																	
YEAR 2016																	
YEAR 2017																	
YEAR 2018																	
YEAR 2019																	
YEAR 2020																	
YEAR 2021																	
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YEAR 2023																	
YEAR 2024																	

----- YEAR 2025 -----
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 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

GENERATING COMPANIES
 THERMAL UNIT

OWNERSHIP RATIO	RATIO	146 A3908OP 3	147 MTN_908 1	148 RPT1_908 1	149 RPT2_908 2	150 GV1_908 1	151 GV2_908 2	153 MTN_188 1
----- YEAR 2011 -----	0.00							
----- YEAR 2012 -----	0.00							
----- YEAR 2013 -----	1.00							
----- YEAR 2014 -----	1.00							
----- YEAR 2015 -----	1.00							
----- YEAR 2016 -----	1.00							
----- YEAR 2017 -----	1.00							
----- YEAR 2018 -----	1.00							
----- YEAR 2019 -----	1.00							
----- YEAR 2020 -----	1.00							
----- YEAR 2021 -----	1.00							
----- YEAR 2022 -----	1.00							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES
THERMAL UNIT

YEAR	2 I&M	146	147	148	149	150	151	153
YEAR 2023		A390%OP	MTN_90%	RPT1_90%	RPT2_90%	GV1_90%	GV2_90%	MTN_18%
		3	1	1	2	1	2	1

YEAR 2024	
YEAR 2025	
YEAR 2026	
YEAR 2027	
YEAR 2028	
YEAR 2029	
YEAR 2030	
YEAR 2031	
YEAR 2032	
YEAR 2033	
YEAR 2034	
YEAR 2035	
YEAR 2036	
YEAR 2037	
YEAR 2038	
YEAR 2039	
YEAR 2040	

GENERATING COMPANIES
THERMAL UNIT

YEAR	2 I&M	154	155	156	157	158	159	160
YEAR 2011		CC_FA_KP	CT_OHIO	CC_OH	CT_I&M	CC_I&M	CT_APCO	CC_APCO
		1	1	1	1	1	1	1
OWNERSHIP RATIO		0.00	0.00	0.00	1.00	1.00	0.00	0.00

YEAR 2012	
YEAR 2013	
YEAR 2014	
YEAR 2015	
YEAR 2016	
YEAR 2017	
YEAR 2018	
YEAR 2019	
YEAR 2020	
YEAR 2021	
YEAR 2022	
YEAR 2023	
YEAR 2024	
YEAR 2025	
YEAR 2026	
YEAR 2027	
YEAR 2028	
YEAR 2029	
YEAR 2030	
YEAR 2031	
YEAR 2032	
YEAR 2033	
YEAR 2034	
YEAR 2035	
YEAR 2036	

YEAR	2 IEM	CP_KPCO	CC_KPCO	BS2_FGD	BS2_FGD	BS2_FGD	BS2_FGD	IGCC AP
YEAR 2037		161	162	163	164	165	166	168
YEAR 2038		1	1	1	5	22	23	1
YEAR 2039								
YEAR 2040								
GENERATING COMPANIES								
THERMAL UNIT								
YEAR 2011	RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012	OWNERSHIP RATIO							
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
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YEAR 2026								
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YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT	2 I&M	161	162	163	164	165	166	168
YEAR 2035	CT_KPCCO 1	CC_KPCCO 1	BS2 FGD 1	BS2 FGD 5	BS2 FGD 22	BS2 FGD 23	IGCC AP 1	
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

GENERATING COMPANIES THERMAL UNIT	2 I&M	169	170	171	172	173	174	175
YEAR 2011	PC_UL_AP 1	NUKE_AP 1	IGCC IM 1	PC_UL_IM 1	NUKE_IM 1	IGCC KP 1	PC_UL_KP 1	
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
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YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

GENERATING COMPANIES THERMAL UNIT	2 I&M	176	177	178	179	181	182	183
YEAR 2011	NUKE_KP 1	IGCC OH 1	PC_UL_OH 1	NUKE OH 1	RP1D_03 1	RP1D_04 1	RP1D_08 1	
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								

-----	YEAR 2016	-----							
-----	YEAR 2017	-----							
-----	YEAR 2018	-----							
-----	YEAR 2019	-----							
-----	YEAR 2020	-----							
-----	YEAR 2021	-----							
-----	YEAR 2022	-----							
-----	YEAR 2023	-----							
-----	YEAR 2024	-----							
-----	YEAR 2025	-----							
-----	YEAR 2026	-----							
-----	YEAR 2027	-----							
-----	YEAR 2028	-----							
-----	YEAR 2029	-----							
-----	YEAR 2030	-----							
-----	YEAR 2031	-----							
-----	YEAR 2032	-----							
-----	YEAR 2033	-----							
-----	YEAR 2034	-----							
-----	YEAR 2035	-----							
-----	YEAR 2036	-----							
-----	YEAR 2037	-----							
-----	YEAR 2038	-----							
-----	YEAR 2039	-----							
-----	YEAR 2040	-----							
GENERATING COMPANIES									
THERMAL UNIT									
			2	1&M					
		RPID_20	184						
		RP1TR_1	1						
		RP1TR_1M	186						
		RP2TR_2	187						
		RP1TR_KP	188						
		RP2TR_KP	189						
		T4_TRONA	190						
		T4_TRCCR	191						
-----	YEAR 2011	-----							
-----	YEAR 2012	-----							
-----	YEAR 2013	-----							
		RATIO							
			1.00						
			1.00						
			1.00						
			0.00						
			0.00						
			1.00						
			1.00						

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES		2 I&M		223		224		228		229		230		231		232	
THERMAL UNIT		RPID_20	RP1TR_IM	MR_STKR1	MR_STKR2	AMS3_SI	BS2_SI	MR5_CF	MR5_SI	RPT1_CF	RPID_20	RP1TR_IM	MR5_CF	MR5_SI	RPT1_CF	RPID_20	RP1TR_IM
YEAR 2014	-----	184	186	1	1	3	2	5	5	1	184	186	1	1	3	2	5
YEAR 2015	-----																
YEAR 2016	-----																
YEAR 2017	-----																
YEAR 2018	-----																
YEAR 2019	-----																
YEAR 2020	-----																
YEAR 2021	-----																
YEAR 2022	-----																
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YEAR 2026	-----																
YEAR 2027	-----																
YEAR 2028	-----																
YEAR 2029	-----																
YEAR 2030	-----																
YEAR 2031	-----																
YEAR 2032	-----																
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YEAR 2036	-----																
YEAR 2037	-----																
YEAR 2038	-----																
YEAR 2039	-----																
YEAR 2040	-----																
GENERATING COMPANIES																	
THERMAL UNIT																	
		2 I&M		223		224		228		229		230		231		232	
OWNERSHIP RATIO		RPID_20	RP1TR_IM	MR_STKR1	MR_STKR2	AMS3_SI	BS2_SI	MR5_CF	MR5_SI	RPT1_CF	RPID_20	RP1TR_IM	MR5_CF	MR5_SI	RPT1_CF	RPID_20	RP1TR_IM
YEAR 2011	-----	0.00	0.00	1	1	3	2	5	5	1	0.00	0.00	5	5	1	0.00	1.00
YEAR 2012	-----																
YEAR 2013	-----																
YEAR 2014	-----																
YEAR 2015	-----																
YEAR 2016	-----																
YEAR 2017	-----																
YEAR 2018	-----																
YEAR 2019	-----																
YEAR 2020	-----																
YEAR 2021	-----																
YEAR 2022	-----																
YEAR 2023	-----																
YEAR 2024	-----																
YEAR 2025	-----																
YEAR 2026	-----																
YEAR 2027	-----																

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT	2 I&M	233	234	235	251	252	253	254
	RPT2_CP 2	RPT1_SI 1	RPT2_SI 2	DC1_HPT 1	DC1_IS 1	DC1_EFF 1	DC1_17 1	
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
GENERATING COMPANIES THERMAL UNIT	2 I&M	255	257	258	259	260	269	270
	DC1_3800 1	DC2_HPT 2	DC2_EFF 2	DC2_SPU 2	DC2_3800 2	BIGSD_15 1	BIGSD_15 1	BIGSD_GP 1
YEAR 2011	RATIO	1.00	1.00	1.00	1.00	1.00	0.00	0.00
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
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YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								

4-Company East Optimization

YEAR 2040	GENERATING COMPANIES THERMAL UNIT	2 I&M	271 CIN_O_HM 1	272 CIN_O_15 1	273 CIN_O_HM 2	274 CIN_O_15 2	275 CIN_O_HM 3	276 CIN_O_15 3	277 CVL_3_HM 3
YEAR 2011	OWNERSHIP RATIO	RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
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YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT	2 I&M	271	272	273	274	275	276	277
YEAR 2038	CIN_Q_HM_1	CIN_Q_15_1	CIN_Q_HM_2	CIN_Q_15_2	CIN_Q_15_3	CIN_Q_HM_3	CIN_Q_15_3	CVL_3_HM_3
YEAR 2039								
YEAR 2040								

GENERATING COMPANIES THERMAL UNIT	2 I&M	278	279	280	281	282	283	284
YEAR 2011	CVL_3_I0_3	GIN_5_HM_5	GIN_5_15_5	GIN_6_HM_6	GIN_6_15_6	KMR_F_HM_1	KMR_F_HM_1	KMR_F_GP_1
OWNERSHIP RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
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YEAR 2027								
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YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

GENERATING COMPANIES THERMAL UNIT	2 I&M	285	286	287	288	289	290	291
YEAR 2011	KMR_F_HM_2	KMR_F_GP_2	KMR_F_HM_3	KMR_F_GP_3	KWA_1_HM_1	KWA_1_15_1	KWA_1_15_1	KWA_2_HM_2
OWNERSHIP RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								

-----	YEAR 2019	-----															
-----	YEAR 2020	-----															
-----	YEAR 2021	-----															
-----	YEAR 2022	-----															
-----	YEAR 2023	-----															
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-----	YEAR 2025	-----															
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-----	YEAR 2029	-----															
-----	YEAR 2030	-----															
-----	YEAR 2031	-----															
-----	YEAR 2032	-----															
-----	YEAR 2033	-----															
-----	YEAR 2034	-----															
-----	YEAR 2035	-----															
-----	YEAR 2036	-----															
-----	YEAR 2037	-----															
-----	YEAR 2038	-----															
-----	YEAR 2039	-----															
-----	YEAR 2040	-----															
GENERATING COMPANIES																	
THERMAL UNIT																	
-----	YEAR 2011	-----	2 I&M														
-----	OWNERSHIP RATIO	-----		KNR_2_15	292	MSKR1_HM	293	MSKR1_12	294	MSKR2_HM	295	MSKR2_12	296	MSKR3_GP	297	MR3HM_12	298
-----	YEAR 2012	-----		2	0.00	1	0.00	1	0.00	2	0.00	2	0.00	3	0.00	3	0.00
-----	YEAR 2013	-----															
-----	YEAR 2014	-----															
-----	YEAR 2015	-----															
-----	YEAR 2016	-----															

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT	2 I&M	292 KWA_2_15 2	293 MSKR1_HM 1	294 MSKR1_12 1	295 MSKR2_HM 2	296 MSKR2_12 2	297 MSKR3_GP 3	298 MR3HM_12 3
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

GENERATING COMPANIES
THERMAL UNIT

2 I&M	299 MSKR4_GP 4	300 M4HM_12 4	301 PICWY_HM 5	302 PICWY_GP 5	303 SPL_F_HM 1	304 SPL_F_15 1	305 SF2_F_HM 2
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OWNERSHIP RATIO	RATIO	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT	2 I&M	306	307	308	309	310	311	312
YEAR 2029	SP2_F_15	SP3_Q_HM	SP3_Q_15	SP4_Q_HM	SP4_Q_15	SP5_HM	SP5_HM	SP5_15
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

GENERATING COMPANIES
THERMAL UNIT

2 I&M	313	314	315	316	317	318	319
TNR_F_HM	TNR_F_15	TNR_Q_15	TNR_F_HM	TNR_F_15	TNR_Q_HM	TNR_F_15	PW_GP_15
1	1	2	2	3	3	5	5

OWNERSHIP RATIO	RATIO	1.00	1.00	1.00	1.00	1.00	0.00
YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

GENERATING COMPANIES
THERMAL UNIT

2 I&M	320	500	501	502	503	958	959
RHills_1	DUMMY_OP	DUMMY_LM	DUMMY_AP	DUMMY_KP	CC_KPCO	RP2D_KP	
1	0	0	0	0	958	959	

4-Company East Optimization

YEAR 2011	RATIO	0.00	0.00	1.00	0.00	0.00	0.00	0.00
MEMBERSHIP RATIO								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
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YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT	2 IEM	960 RP2D_IM 960	961 CSV6_SCR 961	962 CSV5_SCR 962	963 DUMMY_OP 963	964 DUMMY_OP 964	965 RPID_03 965	966 RPID_KP 966
YEAR 2011	RATIO	1.00	0.00	0.00	0.00	0.00	1.00	0.00
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
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YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
GENERATING COMPANIES								
THERMAL UNIT								
	2 IEM	967	968	969	970	971	972	973
		BS2_FGD 967	CR2_NGCC 968	CR1_NGCC 969	MRS_NGCC 970	DUMMY_OP 971	DUMMY_OP 972	DUMMY_OP 973
OWNERSHIP RATIO	RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES
THERMAL UNIT

YEAR	2 I&M	974	975	976	977	978	979	980
YEAR 2023		DUMMY_OP 974	DUMMY_OP 975	DUMMY_OP 976	DUMMY_OP 977	DUMMY_OP 978	DUMMY_OP 979	DUMMY_OP 980
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

GENERATING COMPANIES
THERMAL UNIT

YEAR	2 I&M	981	982	983	984	985	986	987
YEAR 2011		DUMMY_OP 981	DUMMY_OP 982	DUMMY_OP 983	DUMMY_OP 984	DUMMY_OP 985	DUMMY_OP 986	DUMMY_OP 987
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
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YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								

OWNERSHIP RATIO	RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
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YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								

4-Company Fast Optimization

-----	YEAR 2037	-----									
-----	YEAR 2038	-----									
-----	YEAR 2039	-----									
-----	YEAR 2040	-----									
GENERATING COMPANIES											
THERMAL UNIT											
-----	YEAR 2011	-----									
-----	YEAR 2012	-----									
-----	YEAR 2013	-----									
-----	YEAR 2014	-----									
-----	YEAR 2015	-----									
-----	YEAR 2016	-----									
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-----	YEAR 2019	-----									
-----	YEAR 2020	-----									
-----	YEAR 2021	-----									
-----	YEAR 2022	-----									
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-----	YEAR 2027	-----									
-----	YEAR 2028	-----									
-----	YEAR 2029	-----									
-----	YEAR 2030	-----									
-----	YEAR 2031	-----									
-----	YEAR 2032	-----									
-----	YEAR 2033	-----									
-----	YEAR 2034	-----									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

GENERATING COMPANIES		2 I&M		990		991		992		993		994	
THERMAL UNIT		DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
YEAR 2035	-----	988	989	990	991	992	993	994					
YEAR 2036	-----	988	989	990	991	992	993	994					
YEAR 2037	-----												
YEAR 2038	-----												
YEAR 2039	-----												
YEAR 2040	-----												

GENERATING COMPANIES		2 I&M		995		996		997		998		999	
THERMAL UNIT		DUMMY_OP	T4_TRONA	RP2TR_KP	RP2TR_IM	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
YEAR 2011	-----	995	996	997	998	999							
YEAR 2012	-----	995	996	997	998	999							
YEAR 2013	-----												
YEAR 2014	-----												
YEAR 2015	-----												
YEAR 2016	-----												
YEAR 2017	-----												
YEAR 2018	-----												
YEAR 2019	-----												
YEAR 2020	-----												
YEAR 2021	-----												
YEAR 2022	-----												
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YEAR 2026	-----												
YEAR 2027	-----												
YEAR 2028	-----												
YEAR 2029	-----												
YEAR 2030	-----												
YEAR 2031	-----												
YEAR 2032	-----												
YEAR 2033	-----												
YEAR 2034	-----												
YEAR 2035	-----												
YEAR 2036	-----												
YEAR 2037	-----												
YEAR 2038	-----												
YEAR 2039	-----												
YEAR 2040	-----												

GENERATING COMPANIES		3 AP&C		3 AMOS		3 AMOS_OP		3 BECKFORD		3 BIG SAND		3 CARD 1+2	
THERMAL UNIT		DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
YEAR 2011	-----	1	2	3	4	5	6	7					
YEAR 2012	-----	1	2	3	4	5	6	7					
YEAR 2013	-----												
YEAR 2014	-----												
YEAR 2015	-----												

OWNERSHIP RATIO		1.00		1.00		0.00		0.00		0.00		0.00	
RATIO		1	2	3	4	5	6	7					
YEAR 2011	-----	1.00	1.00	0.00	0.00	0.00	0.00	0.00					
YEAR 2012	-----	1.00	1.00	0.00	0.00	0.00	0.00	0.00					
YEAR 2013	-----												
YEAR 2014	-----												
YEAR 2015	-----												

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES
THERMAL UNIT

3 APCC

8	9	10	11	12	13	14
CARD 1+2	CARD 3	CLIFTY 1	CLIFTY 2	CLIFTY 3	CLIFTY 4	CLIFTY 5
2	3	1	2	3	4	5

----- YEAR 2014 -----
 ----- YEAR 2015 -----
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 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

GENERATING COMPANIES
THERMAL UNIT

3 APCC

15	16	17	18	19	20	21
CLIFTY 6	CLINCH R 1	CLINCH R 2	CLINCH R 3	ROCKP_KP 1	ROCKP_KP 2	CSVL 1-4 3

----- YEAR 2011 -----
 ----- YEAR 2012 -----
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 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----

RATIO	0.00	1.00	1.00	1.00	0.00	0.00	0.00
-------	------	------	------	------	------	------	------

-----	YEAR 2028	-----							
-----	YEAR 2029	-----							
-----	YEAR 2030	-----							
-----	YEAR 2031	-----							
-----	YEAR 2032	-----							
-----	YEAR 2033	-----							
-----	YEAR 2034	-----							
-----	YEAR 2035	-----							
-----	YEAR 2036	-----							
-----	YEAR 2037	-----							
-----	YEAR 2038	-----							
-----	YEAR 2039	-----							
-----	YEAR 2040	-----							
GENERATING COMPANIES									
THERMAL UNIT									
	3	APCO							
	22	CSVL 1-4							
	4	4							
	23	CSVL 5+6							
	5	5							
	24	CSVL 5+6							
	6	6							
	25	D C COOK							
	1	1							
	26	D C COOK							
	2	2							
	27	GAVIN							
	1	1							
	28	GAVIN							
	2	2							
-----	YEAR 2011	-----							
-----	OWNERSHIP RATIO	-----							
-----	YEAR 2012	-----							
-----	YEAR 2013	-----							
-----	YEAR 2014	-----							
-----	YEAR 2015	-----							
-----	YEAR 2016	-----							
-----	YEAR 2017	-----							
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-----	YEAR 2019	-----							
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-----	YEAR 2021	-----							
-----	YEAR 2022	-----							
-----	YEAR 2023	-----							
-----	YEAR 2024	-----							
-----	YEAR 2025	-----							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

GENERATING COMPANIES
THERMAL UNIT

3	ARCO	22	23	24	25	26	27	28
CSVL 1-4	CSVL 5+6	CSVL 5+6	D C COOK	D C COOK	GAVIN	GAVIN		
4	5	6	1	2	1	2		

----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
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 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

GENERATING COMPANIES
THERMAL UNIT

3	ARCO	29	30	31	32	33	34	35
GLEN LYN	GLEN LYN	GLEN LYN	KAMMER	KAMMER	KAMMER	KAMMER	KAMMER	KAMMER
5	6	0	1	2	3	2	3	3

----- YEAR 2011 -----
 ----- YEAR 2012 -----
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 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----

----- YEAR 2011 -----
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 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----

4-Company East Optimization

YEAR 2040	GENERATING COMPANIES THERMAL UNIT	3 APCC	36 KANAWHA 1	37 KANAWHA 2	38 KYGER 1	39 KYGER 2	40 KYGER 3	41 KYGER 4	42 KYGER 5
YEAR 2011	OWNERSHIP RATIO	RATIO	1.00	1.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
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YEAR 2019									
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YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT		3 APCC		36		37		38		39		40		41		42	
YEAR 2038	-----	KANAWHA	1	KANAWHA	2	KYGER	1	KYGER	2	KYGER	3	KYGER	4	KYGER	5		
YEAR 2039	-----																
YEAR 2040	-----																

GENERATING COMPANIES THERMAL UNIT		3 APCC		43		44		45		46		47		48		49	
YEAR 2011	-----	MITCHELL	1	MITCHELL	2	MOUNT_ER	1	MUSK_RVR	1	MUSK_RVR	2	MUSK_RVR	3	MUSK_RVR	4		
YEAR 2012	-----																
YEAR 2013	-----																
YEAR 2014	-----																
YEAR 2015	-----																
YEAR 2016	-----																
YEAR 2017	-----																
YEAR 2018	-----																
YEAR 2019	-----																
YEAR 2020	-----																
YEAR 2021	-----																
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YEAR 2030	-----																
YEAR 2031	-----																
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YEAR 2039	-----																
YEAR 2040	-----																

GENERATING COMPANIES THERMAL UNIT		3 APCC		50		51		52		53		54		55		56	
YEAR 2011	-----	MUSK_RVR	5	P_SPOBN	1	P_SPOBN	2	P_SPOBN	3	P_SPOBN	4	P_SPOBN	5	PICWAY	5		
YEAR 2012	-----																
YEAR 2013	-----																
YEAR 2014	-----																
YEAR 2015	-----																
YEAR 2016	-----																
YEAR 2017	-----																
YEAR 2018	-----																

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT	3 APCC	57 RPRRT_IM 1	58 RPRUN_IM 1	59 ROCKP_IM 2	60	61 STUART 1	62 STUART 2	63 STUART 3
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

GENERATING COMPANIES
THERMAL UNIT

3 APCC

64 STUART 4
65 AMOS_AP 3
66 TANN 1-3 1
67 TANN 1-3 2
68 TANN 1-3 3
69 TANN 4 4
70 ZIMMER 1

OWNERSHIP RATIO	RATIO	0.00	1.00	0.00	0.00	0.00	0.00	0.00
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								

-----	YEAR 2031	-----							
-----	YEAR 2032	-----							
-----	YEAR 2033	-----							
-----	YEAR 2034	-----							
-----	YEAR 2035	-----							
-----	YEAR 2036	-----							
-----	YEAR 2037	-----							
-----	YEAR 2038	-----							
-----	YEAR 2039	-----							
-----	YEAR 2040	-----							
	GENERATING COMPANIES		3	APCO					
	THRRMAL UNIT								
-----	YEAR 2011	-----							
-----	YEAR 2012	-----							
-----	YEAR 2013	-----							
-----	YEAR 2014	-----							
-----	YEAR 2015	-----							
-----	YEAR 2016	-----							
-----	YEAR 2017	-----							
-----	YEAR 2018	-----							
-----	YEAR 2019	-----							
-----	YEAR 2020	-----							
-----	YEAR 2021	-----							
-----	YEAR 2022	-----							
-----	YEAR 2023	-----							
-----	YEAR 2024	-----							
-----	YEAR 2025	-----							
-----	YEAR 2026	-----							
-----	YEAR 2027	-----							
-----	YEAR 2028	-----							

OWNERSHIP RATIO

0.00

0.00

0.00

1.00

1.00

1.00

1.00

71 ROBTMON1
72 ROBTMON2
73 ROBTMON3
75 CEREDO 1
76 CEREDO 2
77 CEREDO 3
78 CEREDO 4

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUES CHANGED FROM PREVIOUS YEAR.

4-Company East Optimization

YEAR 2011	RATIO	0.00	0.00	0.00	0.00	0.00	0.00
OWNERSHIP RATIO							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT	3 APCO	93 DRESDEN 1	94 DRES2 1	95 0	96 0	97 0	101 NUCLEAR 1	102 UPC_NCCS 1
YEAR 2011	RATIO	1.00	1.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
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YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
GENERATING COMPANIES								
THERMAL UNIT								
YEAR 2011	3 APCO	103 FC_UPL_SU 1	104 UPC_RCCS 1	105 IGC_NCCS 1	106 IGCC GR 1	107 IGC_RCCS 1	108 CC 2X1FB 1	109 CC 2X1FA 1
OWNERSHIP RATIO	RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES		3 ARCO		3 ARCO		3 ARCO		3 ARCO	
THERMAL UNIT		110	111	114	115	119	120	124	
YEAR 2023	CC 1x17H	1	1	1	1	0	0	2	
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

GENERATING COMPANIES
THERMAL UNIT

GENERATING COMPANIES		3 ARCO		3 ARCO		3 ARCO		3 ARCO	
THERMAL UNIT		125	126	127	129	130	131	132	
YEAR 2011	BS1_FGD	1	5	6	1	2	5	5	
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									

OWNERSHIP RATIO 0.00 0.00 0.00 1.00 1.00 0.00 0.00

-----	YEAR 2037	-----							
-----	YEAR 2038	-----							
-----	YEAR 2039	-----							
-----	YEAR 2040	-----							
	GENERATING COMPANIES								
	THERMAL UNIT								
			3	APCO					
-----	YEAR 2011	-----							
OWNERSHIP RATIO									
-----	YEAR 2012	-----							
-----	YEAR 2013	-----							
-----	YEAR 2014	-----							
-----	YEAR 2015	-----							
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-----	YEAR 2029	-----							
-----	YEAR 2030	-----							
-----	YEAR 2031	-----							
-----	YEAR 2032	-----							
-----	YEAR 2033	-----							
-----	YEAR 2034	-----							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES
THERMAL UNIT

3	APCO	133	134	135	136	137	144	145
		RPID_1M	RP2D_1M	TAN4_FGD	RPID_KP	RP2D_KP	TC4_ESP	A3908_AP
		1	2	4	1	2	4	3

----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

GENERATING COMPANIES
THERMAL UNIT

3	APCO	146	147	148	149	150	151	153
		A3908OP	MTN_90%	RPT1_90%	RPT2_90%	GV1_90%	GV2_90%	MTN_18%
		3	1	1	2	1	2	1

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
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 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
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 ----- YEAR 2030 -----
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 ----- YEAR 2032 -----
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 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

RATIO	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00
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GENERATING COMPANIES
THERMAL UNIT

3	APCO	154	155	156	157	158	159	160
		CC_FA_KP	CT_OHIO	CC_OH	CT_I&M	CC_I&M	CT_APCO	CC_APCO
		1	1	1	1	1	1	1

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----

RATIO	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
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APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

GENERATING COMPANIES		3 APCCO		3 APCCO		3 APCCO		3 APCCO		3 APCCO	
THERMAL UNIT		CT_KPCO	CC_KPCO	BS2_FSD	BS2_FGD	BS2_FGD	BS2_FGD	BS2_FGD	BS2_FGD	IGCC_AP	IGCC_KP
YEAR 2014		161	162	163	164	165	166	168			
YEAR 2015											
YEAR 2016											
YEAR 2017											
YEAR 2018											
YEAR 2019											
YEAR 2020											
YEAR 2021											
YEAR 2022											
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YEAR 2034											
YEAR 2035											
YEAR 2036											
YEAR 2037											
YEAR 2038											
YEAR 2039											
YEAR 2040											
GENERATING COMPANIES											
THERMAL UNIT											
		169	170	171	172	173	174	175			
		PC_UL_AP	Nuke_AP	IGCC_IM	PC_UL_IM	NUKE_IM	IGCC_KP	PC_UL_KP			
		1	1	1	1	1	1	1			
OWNERSHIP RATIO											
YEAR 2011		1.00	1.00	0.00	0.00	0.00	0.00	0.00			
YEAR 2012											
YEAR 2013											
YEAR 2014											
YEAR 2015											
YEAR 2016											
YEAR 2017											
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YEAR 2019											
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YEAR 2021											
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-----	YEAR 2030	-----														
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-----	YEAR 2037	-----														
-----	YEAR 2038	-----														
-----	YEAR 2039	-----														
-----	YEAR 2040	-----														

GENERATING COMPANIES																
THERMAL UNIT																
			3	APCO												
			NUKE_KP	176	IGCC OH	177	FC_UL_OH	178	NUKE OH	179	RPID_03	181	RPID_04	182	RPID_08	183
			1		1		1		1		1		1		1	
-----	YEAR 2011	-----	RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-----	YEAR 2012	-----														
-----	YEAR 2013	-----														
-----	YEAR 2014	-----														
-----	YEAR 2015	-----														
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-----	YEAR 2019	-----														
-----	YEAR 2020	-----														
-----	YEAR 2021	-----														
-----	YEAR 2022	-----														
-----	YEAR 2023	-----														
-----	YEAR 2024	-----														
-----	YEAR 2025	-----														

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT
QUALIFIER = GAF.INPUT.THERMAL.UNIT.

GENERATING COMPANIES		3 APCC		3 APCC		3 APCC		3 APCC		3 APCC	
THERMAL UNIT		NUKE_KP	IGCC_OH	FC_UJ_OH	NUKE_OH	RPID_03	RPID_04	RPID_08	RPID_181	RPID_182	RPID_183
YEAR 2026	-----	176	177	178	179	181	182	183			
YEAR 2027	-----	1	1	1	1	1	1	1			
YEAR 2028	-----										
YEAR 2029	-----										
YEAR 2030	-----										
YEAR 2031	-----										
YEAR 2032	-----										
YEAR 2033	-----										
YEAR 2034	-----										
YEAR 2035	-----										
YEAR 2036	-----										
YEAR 2037	-----										
YEAR 2038	-----										
YEAR 2039	-----										
YEAR 2040	-----										
GENERATING COMPANIES											
THERMAL UNIT											
		3 APCC		3 APCC		3 APCC		3 APCC		3 APCC	
YEAR 2011	-----	184	186	187	188	189	190	191			
YEAR 2012	-----	1	1	2	1	2	4	4			
YEAR 2013	-----										
YEAR 2014	-----										
YEAR 2015	-----										
YEAR 2016	-----										
YEAR 2017	-----										
YEAR 2018	-----										
YEAR 2019	-----										
YEAR 2020	-----										
YEAR 2021	-----										
YEAR 2022	-----										
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YEAR 2026	-----										
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YEAR 2029	-----										
YEAR 2030	-----										
YEAR 2031	-----										
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YEAR 2034	-----										
YEAR 2035	-----										
YEAR 2036	-----										
YEAR 2037	-----										
YEAR 2038	-----										
YEAR 2039	-----										
YEAR 2040	-----										
OWNERSHIP RATIO											
YEAR 2011	-----	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
YEAR 2012	-----										
YEAR 2013	-----										
YEAR 2014	-----										
YEAR 2015	-----										
YEAR 2016	-----										
YEAR 2017	-----										
YEAR 2018	-----										
YEAR 2019	-----										
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YEAR 2021	-----										
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YEAR 2025	-----										
YEAR 2026	-----										
YEAR 2027	-----										
YEAR 2028	-----										
YEAR 2029	-----										
YEAR 2030	-----										
YEAR 2031	-----										
YEAR 2032	-----										
YEAR 2033	-----										
YEAR 2034	-----										
YEAR 2035	-----										
YEAR 2036	-----										
YEAR 2037	-----										
YEAR 2038	-----										
YEAR 2039	-----										
YEAR 2040	-----										

YEAR 2040	GENERATING COMPANIES THERMAL UNIT	3 APCO	223 MR_STKR1 1	224 MR_STKR2 1	228 AMS3_SI 3	229 BS2_SI 2	230 MR5_CP 5	231 MR5_SI 5	232 RPT1_CP 1
YEAR 2011	OWNERSHIP RATIO								
YEAR 2012			0.00	0.00	1.00	0.00	0.00	0.00	0.00
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
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YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES
THERMAL UNIT

3 APCC
 223 MR_STKR1 1 224 MR_STKR2 1 228 AMS3_SI 3 229 BS2_SI 2 230 MRS_CF 5 231 MRS_SI 5 232 RPT1_CF 1

----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

GENERATING COMPANIES
THERMAL UNIT

3 APCC
 233 RPT2_CF 2 234 RPT1_SI 1 235 RPT2_SI 2 251 DC1_HPT 1 252 DC1_IS 1 253 DC1_EFF 1 254 DC1_17 1

----- YEAR 2011 -----
 OWNERSHIP RATIO

RATIO 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

----- YEAR 2012 -----

----- YEAR 2013 -----

----- YEAR 2014 -----

----- YEAR 2015 -----

----- YEAR 2016 -----

----- YEAR 2017 -----

----- YEAR 2018 -----

----- YEAR 2019 -----

----- YEAR 2020 -----

----- YEAR 2021 -----

----- YEAR 2022 -----

----- YEAR 2023 -----

----- YEAR 2024 -----

----- YEAR 2025 -----

----- YEAR 2026 -----

----- YEAR 2027 -----

----- YEAR 2028 -----

----- YEAR 2029 -----

----- YEAR 2030 -----

----- YEAR 2031 -----

----- YEAR 2032 -----

----- YEAR 2033 -----

----- YEAR 2034 -----

----- YEAR 2035 -----

----- YEAR 2036 -----

----- YEAR 2037 -----

----- YEAR 2038 -----

----- YEAR 2039 -----

----- YEAR 2040 -----

GENERATING COMPANIES
THERMAL UNIT

3 APCC
 255 DC1_3800 1 257 DC2_HPT 2 258 DC2_EFF 2 259 DC2_SPU 2 260 DC2_3800 2 269 BIGSD_15 1 270 BIGSD_GP 1

----- YEAR 2011 -----
 OWNERSHIP RATIO

RATIO 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

----- YEAR 2012 -----

----- YEAR 2013 -----

----- YEAR 2014 -----

----- YEAR 2015 -----

----- YEAR 2016 -----

----- YEAR 2017 -----

----- YEAR 2018 -----

-----	YEAR 2019	-----							
-----	YEAR 2020	-----							
-----	YEAR 2021	-----							
-----	YEAR 2022	-----							
-----	YEAR 2023	-----							
-----	YEAR 2024	-----							
-----	YEAR 2025	-----							
-----	YEAR 2026	-----							
-----	YEAR 2027	-----							
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-----	YEAR 2029	-----							
-----	YEAR 2030	-----							
-----	YEAR 2031	-----							
-----	YEAR 2032	-----							
-----	YEAR 2033	-----							
-----	YEAR 2034	-----							
-----	YEAR 2035	-----							
-----	YEAR 2036	-----							
-----	YEAR 2037	-----							
-----	YEAR 2038	-----							
-----	YEAR 2039	-----							
-----	YEAR 2040	-----							
GENERATING COMPANIES									
THERMAL UNIT									
-----	YEAR 2011	-----							
-----	YEAR 2012	-----							
-----	YEAR 2013	-----							
-----	YEAR 2014	-----							
-----	YEAR 2015	-----							
-----	YEAR 2016	-----							

OWNERSHIP RATIO	RATIO	3 APCCO	271	272	273	274	275	276	277
	1.00		CUN_Q_HM 1	CUN_Q_15 1	CUN_Q_HM 2	CUN_Q_15 2	CUN_Q_HM 3	CUN_Q_15 3	CYL_3_HM 3

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT	3	APCO	271	272	273	274	275	276	277
	CLN_Q_HM	CLN_Q_15	CLN_Q_HM	CLN_Q_15	CLN_Q_15	CLN_Q_HM	CLN_Q_HM	CLN_Q_15	CVL_3_HM
	1	1	2	2	3	3	3	3	3
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

GENERATING COMPANIES
THERMAL UNIT

3 APCO

278	279	280	281	282	283	284
CVL_3_10	GLN_5_HM	GLN_5_15	GLN_6_HM	GLN_6_15	KKR_F_HM	KKR_F_GP
3	5	5	6	6	1	1
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						

OWNERSHIP RATIO	RATIO
YEAR 2011	0.00
YEAR 2012	1.00
YEAR 2013	1.00
YEAR 2014	1.00
YEAR 2015	1.00
YEAR 2016	1.00
YEAR 2017	1.00
YEAR 2018	1.00
YEAR 2019	1.00
YEAR 2020	1.00
YEAR 2021	1.00
YEAR 2022	1.00
YEAR 2023	1.00
YEAR 2024	1.00
YEAR 2025	1.00
YEAR 2026	1.00
YEAR 2027	1.00
YEAR 2028	1.00
YEAR 2029	1.00
YEAR 2030	0.00

-----	YEAR 2031	-----														
-----	YEAR 2032	-----														
-----	YEAR 2033	-----														
-----	YEAR 2034	-----														
-----	YEAR 2035	-----														
-----	YEAR 2036	-----														
-----	YEAR 2037	-----														
-----	YEAR 2038	-----														
-----	YEAR 2039	-----														
-----	YEAR 2040	-----														
GENERATING COMPANIES																
THERMAL UNIT																
			3 APCC													
			KMR_F_HM	285	KMR_F_GP	286	KMR_F_HM	287	KMR_F_GP	288	KWA_1_HM	289	KWA_1_15	290	KWA_2_HM	291
			2		2		3		3		1		1		2	
-----	YEAR 2011	-----	RATIO	0.00	0.00	0.00	0.00	1.00	1.00	1.00						
OWNERSHIP RATIO																
-----	YEAR 2012	-----														
-----	YEAR 2013	-----														
-----	YEAR 2014	-----														
-----	YEAR 2015	-----														
-----	YEAR 2016	-----														
-----	YEAR 2017	-----														
-----	YEAR 2018	-----														
-----	YEAR 2019	-----														
-----	YEAR 2020	-----														
-----	YEAR 2021	-----														
-----	YEAR 2022	-----														
-----	YEAR 2023	-----														
-----	YEAR 2024	-----														
-----	YEAR 2025	-----														
-----	YEAR 2026	-----														
-----	YEAR 2027	-----														
-----	YEAR 2028	-----														

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES		3 APCC		3 APCC		3 APCC		3 APCC		3 APCC	
THERMAL UNIT		KMR_F_HM	KMR_F_GP	KMR_F_HM	KMR_F_GP	KMR_F_HM	KMR_F_GP	KMR_F_HM	KMR_F_GP	KMR_F_HM	KMR_F_GP
YEAR 2029	285	286	287	288	289	290	291	292	293	294	295
YEAR 2030	292	293	294	295	296	297	298	299	300	301	302
YEAR 2031	300	301	302	303	304	305	306	307	308	309	310
YEAR 2032	307	308	309	310	311	312	313	314	315	316	317
YEAR 2033	314	315	316	317	318	319	320	321	322	323	324
YEAR 2034	321	322	323	324	325	326	327	328	329	330	331
YEAR 2035	328	329	330	331	332	333	334	335	336	337	338
YEAR 2036	335	336	337	338	339	340	341	342	343	344	345
YEAR 2037	342	343	344	345	346	347	348	349	350	351	352
YEAR 2038	349	350	351	352	353	354	355	356	357	358	359
YEAR 2039	356	357	358	359	360	361	362	363	364	365	366
YEAR 2040	363	364	365	366	367	368	369	370	371	372	373

GENERATING COMPANIES		3 APCC		3 APCC		3 APCC		3 APCC		3 APCC	
THERMAL UNIT		KMR_2_15	MSKR1_HM	MSKR1_12	MSKR2_HM	MSKR2_12	MSKR3_GP	MR3HM_12	MSKR4_GP	M3HM_12	PICW1_HM
YEAR 2011	292	293	294	295	296	297	298	299	300	301	302
YEAR 2012	300	301	302	303	304	305	306	307	308	309	310
YEAR 2013	307	308	309	310	311	312	313	314	315	316	317
YEAR 2014	314	315	316	317	318	319	320	321	322	323	324
YEAR 2015	321	322	323	324	325	326	327	328	329	330	331
YEAR 2016	328	329	330	331	332	333	334	335	336	337	338
YEAR 2017	335	336	337	338	339	340	341	342	343	344	345
YEAR 2018	342	343	344	345	346	347	348	349	350	351	352
YEAR 2019	349	350	351	352	353	354	355	356	357	358	359
YEAR 2020	356	357	358	359	360	361	362	363	364	365	366
YEAR 2021	363	364	365	366	367	368	369	370	371	372	373
YEAR 2022	370	371	372	373	374	375	376	377	378	379	380
YEAR 2023	377	378	379	380	381	382	383	384	385	386	387
YEAR 2024	384	385	386	387	388	389	390	391	392	393	394
YEAR 2025	391	392	393	394	395	396	397	398	399	400	401
YEAR 2026	398	399	400	401	402	403	404	405	406	407	408
YEAR 2027	405	406	407	408	409	410	411	412	413	414	415
YEAR 2028	412	413	414	415	416	417	418	419	420	421	422
YEAR 2029	419	420	421	422	423	424	425	426	427	428	429
YEAR 2030	426	427	428	429	430	431	432	433	434	435	436
YEAR 2031	433	434	435	436	437	438	439	440	441	442	443
YEAR 2032	440	441	442	443	444	445	446	447	448	449	450
YEAR 2033	447	448	449	450	451	452	453	454	455	456	457
YEAR 2034	454	455	456	457	458	459	460	461	462	463	464
YEAR 2035	461	462	463	464	465	466	467	468	469	470	471
YEAR 2036	468	469	470	471	472	473	474	475	476	477	478
YEAR 2037	475	476	477	478	479	480	481	482	483	484	485
YEAR 2038	482	483	484	485	486	487	488	489	490	491	492
YEAR 2039	489	490	491	492	493	494	495	496	497	498	499
YEAR 2040	496	497	498	499	500	501	502	503	504	505	506

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4-Company East Optimization

YEAR 2011	RATIO	0.00	0.00	0.00	1.00	1.00	0.00
OWNERSHIP RATIO							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

GENERATING COMPANIES		3 APCCO		313		314		315		316		317		318		319	
THERMAL UNIT		SP2_F_15	SP3_Q_HM	SP3_Q_15	SP4_Q_HM	SP4_Q_15	SP5_HM	SP5_15	TNR_F_HM	TNR_F_15	TNR_F_HM	TNR_F_15	TNR_F_HM	TNR_F_15	PW_GP_15		
YEAR	RATIO	2	3	3	4	4	5	5	1	1	2	2	3	3	5		
YEAR 2011	0.00																
YEAR 2012	1.00																
YEAR 2013																	
YEAR 2014																	
YEAR 2015																	
YEAR 2016																	
YEAR 2017																	
YEAR 2018																	
YEAR 2019																	
YEAR 2020																	
YEAR 2021																	
YEAR 2022																	
YEAR 2023																	
YEAR 2024																	
YEAR 2025																	
YEAR 2026																	
YEAR 2027																	
YEAR 2028																	
YEAR 2029																	
YEAR 2030																	
YEAR 2031																	
YEAR 2032																	
YEAR 2033																	
YEAR 2034																	
YEAR 2035																	
YEAR 2036																	
YEAR 2037																	
YEAR 2038																	
YEAR 2039																	
YEAR 2040																	
GENERATING COMPANIES																	
THERMAL UNIT																	
3 APCCO																	
OWNERSHIP RATIO																	
YEAR 2011	0.00																
YEAR 2012																	
YEAR 2013																	
YEAR 2014																	
YEAR 2015																	
YEAR 2016																	
YEAR 2017																	
YEAR 2018																	
YEAR 2019																	
YEAR 2020																	
YEAR 2021																	
YEAR 2022																	
YEAR 2023																	
YEAR 2024																	

----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

GENERATING COMPANIES
 THERMAL UNIT

	3	APCC						
			320	500	501	502	503	958
			RHILLS_1	DUMMY_OP	DUMMY_TM	DUMMY_AP	DUMMY_KP	CC_KPCO
			1	0	0	0	0	958
								RP2D_KP
								959
								959

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

RATIO

0.00

0.00

0.00

1.00

0.00

0.00

0.00

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES
THERMAL UNIT

3 APCC	320	500	501	502	503	958	959
RH11s_1	DUMMY_OP	DUMMY_TM	DUMMY_AP	DUMMY_KP	CC_KPCO	RP2D_KP	
1	0	0	0	0	958	959	

----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

GENERATING COMPANIES
THERMAL UNIT

3 APCC	960	961	962	963	964	965	966
RP2D_TM	CSV6_SCR	CSV5_SCR	DUMMY_OP	DUMMY_KP	RP1D_03	RP1D_KP	
960	961	962	963	964	965	966	

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----

----- YEAR 2036 -----

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES
THERMAL UNIT

3 APCCO

967	968	969	970	971	972	973
BS2_FGD	CR2_NGCC	CR1_NGCC	MRS_NGCC	DUMMY_OP	DUMMY_OP	DUMMY_OP
967	968	969	970	971	972	973

----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

GENERATING COMPANIES
THERMAL UNIT

3 APCCO

974	975	976	977	978	979	980
DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
974	975	976	977	978	979	980

----- YEAR 2011 -----
----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

GENERATING COMPANIES
THERMAL UNIT

3 APCCO

981	982	983	984	985	986	987
DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
981	982	983	984	985	986	987

----- YEAR 2011 -----
----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----

RATIO 0.00 0.00 0.00 0.00 0.00 0.00 0.00

----	YEAR 2016	----							
----	YEAR 2017	----							
----	YEAR 2018	----							
----	YEAR 2019	----							
----	YEAR 2020	----							
----	YEAR 2021	----							
----	YEAR 2022	----							
----	YEAR 2023	----							
----	YEAR 2024	----							
----	YEAR 2025	----							
----	YEAR 2026	----							
----	YEAR 2027	----							
----	YEAR 2028	----							
----	YEAR 2029	----							
----	YEAR 2030	----							
----	YEAR 2031	----							
----	YEAR 2032	----							
----	YEAR 2033	----							
----	YEAR 2034	----							
----	YEAR 2035	----							
----	YEAR 2036	----							
----	YEAR 2037	----							
----	YEAR 2038	----							
----	YEAR 2039	----							
----	YEAR 2040	----							
GENERATING COMPANIES									
THERMAL UNIT									
3 ARCO									
			988	989	990	991	992	993	994
		DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
		988	989	990	991	992	993	994	
OWERSHIP RATIO									
YEAR 2011		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
YEAR 2012									
YEAR 2013									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

GENERATING COMPANIES		3 APCCO		3 APCCO		3 APCCO		3 APCCO		3 APCCO			
THERMAL UNIT		988	989	990	991	992	993	994	995	T4_TROWA	RP2TR_KP	RP2TR_IM	DUMMY_OP
		DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	995	996	997	998
		988	988	990	991	992	993	994	995	996	997	998	999
YEAR 2014	-----												
YEAR 2015	-----												
YEAR 2016	-----												
YEAR 2017	-----												
YEAR 2018	-----												
YEAR 2019	-----												
YEAR 2020	-----												
YEAR 2021	-----												
YEAR 2022	-----												
YEAR 2023	-----												
YEAR 2024	-----												
YEAR 2025	-----												
YEAR 2026	-----												
YEAR 2027	-----												
YEAR 2028	-----												
YEAR 2029	-----												
YEAR 2030	-----												
YEAR 2031	-----												
YEAR 2032	-----												
YEAR 2033	-----												
YEAR 2034	-----												
YEAR 2035	-----												
YEAR 2036	-----												
YEAR 2037	-----												
YEAR 2038	-----												
YEAR 2039	-----												
YEAR 2040	-----												
GENERATING COMPANIES													
THERMAL UNIT													
3 APCCO													
YEAR 2011	-----	995	996	997	998	999							
OWMERSHIP RATIO	-----	DUMMY_OP	T4_TROWA	RP2TR_KP	RP2TR_IM	DUMMY_OP							
YEAR 2012	-----	995	996	997	998	999							
YEAR 2013	-----	995	996	997	998	999							
YEAR 2014	-----	995	996	997	998	999							
YEAR 2015	-----	995	996	997	998	999							
YEAR 2016	-----	995	996	997	998	999							
YEAR 2017	-----	995	996	997	998	999							
YEAR 2018	-----	995	996	997	998	999							
YEAR 2019	-----	995	996	997	998	999							
YEAR 2020	-----	995	996	997	998	999							
YEAR 2021	-----	995	996	997	998	999							
YEAR 2022	-----	995	996	997	998	999							
YEAR 2023	-----	995	996	997	998	999							
YEAR 2024	-----	995	996	997	998	999							
YEAR 2025	-----	995	996	997	998	999							
YEAR 2026	-----	995	996	997	998	999							
YEAR 2027	-----	995	996	997	998	999							

----	YEAR 2028	-----																	
----	YEAR 2029	-----																	
----	YEAR 2030	-----																	
----	YEAR 2031	-----																	
----	YEAR 2032	-----																	
----	YEAR 2033	-----																	
----	YEAR 2034	-----																	
----	YEAR 2035	-----																	
----	YEAR 2036	-----																	
----	YEAR 2037	-----																	
----	YEAR 2038	-----																	
----	YEAR 2039	-----																	
----	YEAR 2040	-----																	

GENERATING COMPANIES																			
THERMAL UNIT																			

	YEAR 2011	-----																	
	OWNERSHIP RATIO	-----																	
	YEAR 2012	-----																	
	YEAR 2013	-----																	
	YEAR 2014	-----																	
	YEAR 2015	-----																	
	YEAR 2016	-----																	
	YEAR 2017	-----																	
	YEAR 2018	-----																	
	YEAR 2019	-----																	
	YEAR 2020	-----																	
	YEAR 2021	-----																	
	YEAR 2022	-----																	
	YEAR 2023	-----																	
	YEAR 2024	-----																	
	YEAR 2025	-----																	

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT	4 KPCCO	1 AMOS	2 AMOS	3 AMOS_OP	4 BECKJORD	5 BIG SAND	6 BIG SAND	7 CARD 1+2
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
GENERATING COMPANIES THERMAL UNIT	4 KPCCO	8 CARD 1+2	9 CARD 3	10 CLIFFTY 1	11 CLIFFTY 2	12 CLIFFTY 3	13 CLIFFTY 4	14 CLIFFTY 5
OWNERSHIP RATIO								
YEAR 2011		0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								

4-Company East Optimization

YEAR 2040	GENERATING COMPANIES THERMAL UNIT	4 KPCO	15 CLIFFY 6	16 CLINCH R 1	17 CLINCH R 2	18 CLINCH R 3	19 ROCKP_KP 1	20 ROCKP_KP 2	21 CSVL 1-4 3
YEAR 2011	OWNERSHIP RATIO	RATIO	0.00	0.00	0.00	0.00	1.00	1.00	0.00
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT		4 KPCO		29 GLEN LYN 5		30 GLEN LYN 6		31 0		32 0		33 KAMMER 1		34 KAMMER 2		35 KAMMER 3	
YEAR 2038	-----	15	16	17	18	19	20	21									
YEAR 2039	-----	CLIFTY 6	CLINCH R 1	CLINCH R 2	CLINCH R 3	ROCKP_KP 1	ROCKP_KP 2	CSVL 1-4 3									
YEAR 2040	-----																
GENERATING COMPANIES THERMAL UNIT		4 KPCO		22 CSVL 1-4 4		23 CSVL 5+6 5		24 CSVL 5+6 6		25 D C COOK 1		26 D C COOK 2		27 GAVIN 1		28 GAVIN 2	
YEAR 2011	-----																
YEAR 2012	-----																
YEAR 2013	-----																
YEAR 2014	-----																
YEAR 2015	-----																
YEAR 2016	-----																
YEAR 2017	-----																
YEAR 2018	-----																
YEAR 2019	-----																
YEAR 2020	-----																
YEAR 2021	-----																
YEAR 2022	-----																
YEAR 2023	-----																
YEAR 2024	-----																
YEAR 2025	-----																
YEAR 2026	-----																
YEAR 2027	-----																
YEAR 2028	-----																
YEAR 2029	-----																
YEAR 2030	-----																
YEAR 2031	-----																
YEAR 2032	-----																
YEAR 2033	-----																
YEAR 2034	-----																
YEAR 2035	-----																
YEAR 2036	-----																
YEAR 2037	-----																
YEAR 2038	-----																
YEAR 2039	-----																
YEAR 2040	-----																
GENERATING COMPANIES THERMAL UNIT		4 KPCO		29 GLEN LYN 5		30 GLEN LYN 6		31 0		32 0		33 KAMMER 1		34 KAMMER 2		35 KAMMER 3	
YEAR 2011	-----																
YEAR 2012	-----																
YEAR 2013	-----																
YEAR 2014	-----																
YEAR 2015	-----																
YEAR 2016	-----																
YEAR 2017	-----																
YEAR 2018	-----																
YEAR 2019	-----																
YEAR 2020	-----																
YEAR 2021	-----																
YEAR 2022	-----																
YEAR 2023	-----																
YEAR 2024	-----																
YEAR 2025	-----																
YEAR 2026	-----																
YEAR 2027	-----																
YEAR 2028	-----																
YEAR 2029	-----																
YEAR 2030	-----																
YEAR 2031	-----																
YEAR 2032	-----																
YEAR 2033	-----																
YEAR 2034	-----																
YEAR 2035	-----																
YEAR 2036	-----																
YEAR 2037	-----																
YEAR 2038	-----																
YEAR 2039	-----																
YEAR 2040	-----																
OWNERSHIP RATIO		RATIO		0.00		0.00		0.00		0.00		0.00		0.00		0.00	

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT	4 KPCO	36 KANAMHA 1	37 KANAMHA 2	38 KYGER 1	39 KYGER 2	40 KYGER 3	41 KYGER 4	42 KYGER 5
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
GENERATING COMPANIES THERMAL UNIT	4 KPCO	43 MITCHELL 1	44 MITCHELL 2	45 MOUNT_ER 1	46 MUSK RVR 1	47 MUSK RVR 2	48 MUSK RVR 3	49 MUSK RVR 4
OWNERSHIP RATIO		0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT		4 KPCO		50 MUSK RVR		51 P SPORN		52 P SPORN		53 P SPORN		54 P SPORN		55 P SPORN		56 PICWAY	
YEAR 2029	-----																
YEAR 2030	-----																
YEAR 2031	-----																
YEAR 2032	-----																
YEAR 2033	-----																
YEAR 2034	-----																
YEAR 2035	-----																
YEAR 2036	-----																
YEAR 2037	-----																
YEAR 2038	-----																
YEAR 2039	-----																
YEAR 2040	-----																

GENERATING COMPANIES THERMAL UNIT		4 KPCO		57 RPRRT_IM		58 RPRUN_IM		59 ROCKP_IM		60 STUART		61 STUART		62 STUART		63 STUART	
YEAR 2011	-----																
OWNERSHIP RATIO	-----																
YEAR 2012	-----																
YEAR 2013	-----																
YEAR 2014	-----																
YEAR 2015	-----																
YEAR 2016	-----																
YEAR 2017	-----																
YEAR 2018	-----																
YEAR 2019	-----																
YEAR 2020	-----																
YEAR 2021	-----																
YEAR 2022	-----																
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YEAR 2024	-----																
YEAR 2025	-----																
YEAR 2026	-----																
YEAR 2027	-----																
YEAR 2028	-----																
YEAR 2029	-----																
YEAR 2030	-----																
YEAR 2031	-----																
YEAR 2032	-----																
YEAR 2033	-----																
YEAR 2034	-----																
YEAR 2035	-----																
YEAR 2036	-----																
YEAR 2037	-----																
YEAR 2038	-----																
YEAR 2039	-----																
YEAR 2040	-----																

GENERATING COMPANIES THERMAL UNIT		4 KPCO		64 STUART		65 AMOS_AP		66 TANN		67 TANN		68 TANN		69 TANN		70 ZIMMER	
YEAR 2029	-----																
YEAR 2030	-----																
YEAR 2031	-----																
YEAR 2032	-----																
YEAR 2033	-----																
YEAR 2034	-----																
YEAR 2035	-----																
YEAR 2036	-----																
YEAR 2037	-----																
YEAR 2038	-----																
YEAR 2039	-----																
YEAR 2040	-----																

GENERATING COMPANIES THERMAL UNIT		4 KPCO		64 STUART		65 AMOS_AP		66 TANN		67 TANN		68 TANN		69 TANN		70 ZIMMER	
YEAR 2029	-----																
YEAR 2030	-----																
YEAR 2031	-----																
YEAR 2032	-----																
YEAR 2033	-----																
YEAR 2034	-----																
YEAR 2035	-----																
YEAR 2036	-----																
YEAR 2037	-----																
YEAR 2038	-----																
YEAR 2039	-----																
YEAR 2040	-----																

4-Company East Optimization

YEAR 2011	RATIO	0.00	0.00	0.00	0.00	0.00
OWNERSHIP RATIO						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
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YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT		4 KPCO		71		72		73		75		76		77		78	
OWNERSHIP RATIO		ROBTMONE		ROBTMONE		ROBTMONE		CEREDO		CEREDO		CEREDO		CEREDO		CEREDO	
YEAR	RATIO	1	2	3	1	2	3	1	2	3	4	1	2	3	4	5	
YEAR 2011	0.00																
YEAR 2012	0.00																
YEAR 2013																	
YEAR 2014																	
YEAR 2015																	
YEAR 2016																	
YEAR 2017																	
YEAR 2018																	
YEAR 2019																	
YEAR 2020																	
YEAR 2021																	
YEAR 2022																	
YEAR 2023																	
YEAR 2024																	
GENERATING COMPANIES THERMAL UNIT		4 KPCO		79		80		81		82		83		84		85	
OWNERSHIP RATIO		CEREDO		CEREDO		DARBY		DARBY		DARBY		DARBY		DARBY		DARBY	
YEAR	RATIO	5	6	1	2	3	4	5									
YEAR 2011	0.00																
YEAR 2012																	
YEAR 2013																	
YEAR 2014																	
YEAR 2015																	
YEAR 2016																	
YEAR 2017																	
YEAR 2018																	
YEAR 2019																	
YEAR 2020																	
YEAR 2021																	
YEAR 2022																	
YEAR 2023																	
YEAR 2024																	

----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

GENERATING COMPANIES
 THERMAL UNIT

OWNER	UNIT	4 KPCO	RATIO
DABBY	86	86	0.00
	6		
IMBG WIN	87	87	0.00
	1		
IMBG WIN	88	88	0.00
	2		
IMBG SMR	89	89	0.00
	1		
IMBG SMR	90	90	0.00
	2		
WATR CC	91	91	0.00
	1		
WATR2	92	92	0.00
	1		

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT	4	KPCO	86	87	88	89	90	91	92
	DARBY	IMBG WIN	IMBG WIN	IMBG WIN	IMBG SHR	IMBG SHR	WATR CC	WATR2	
	6	1	1	2	1	2	1	1	
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

GENERATING COMPANIES THERMAL UNIT	4	KPCO	93	94	95	96	97	101	102
	DRESDEN	DRESID	DRESID	0	0	0	0	NUCLEAR	UPC_NCCS
	1	1	1	0	0	0	0	1	1
YEAR 2011									
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
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YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES		4 KPCO	
THERMAL UNIT		103	104
YEAR 2035	PC_UH_SU 1	UPC_RCCS 1	IGC_NCCS 1
YEAR 2036			
YEAR 2037			
YEAR 2038			
YEAR 2039			
YEAR 2040			
IGCC GE 1	IGCC_RCCS 1	CC 2X1FB 1	CC 2X1FA 1

GENERATING COMPANIES		4 KPCO	
THERMAL UNIT		110	111
YEAR 2011	CC 1X17H 1	BS2_CC 1	CT GE7FA 1
YEAR 2012			
YEAR 2013			
YEAR 2014			
YEAR 2015			
YEAR 2016			
YEAR 2017			
YEAR 2018			
YEAR 2019			
YEAR 2020			
YEAR 2021			
YEAR 2022			
YEAR 2023			
YEAR 2024			
YEAR 2025			
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YEAR 2027			
YEAR 2028			
YEAR 2029			
YEAR 2030			
YEAR 2031			
YEAR 2032			
YEAR 2033			
YEAR 2034			
YEAR 2035			
YEAR 2036			
YEAR 2037			
YEAR 2038			
YEAR 2039			
YEAR 2040			
CT GE7FA 1	CT GE7FA 1	CT GE7FA 1	BS2_FGD 2

GENERATING COMPANIES		4 KPCO	
THERMAL UNIT		125	126
YEAR 2011	BS1_FGD 1	CSV6_SCR 5	CSV6_SCR 6
YEAR 2012			
YEAR 2013			
YEAR 2014			
YEAR 2015			
YEAR 2016			
YEAR 2017			
YEAR 2018			
YEAR 2019			
YEAR 2020			
YEAR 2021			
YEAR 2022			
YEAR 2023			
YEAR 2024			
YEAR 2025			
YEAR 2026			
YEAR 2027			
YEAR 2028			
YEAR 2029			
YEAR 2030			
YEAR 2031			
YEAR 2032			
YEAR 2033			
YEAR 2034			
YEAR 2035			
YEAR 2036			
YEAR 2037			
YEAR 2038			
YEAR 2039			
YEAR 2040			
CR1_NGCC 1	CR2_NGCC 2	MRS_NGCC 5	MRS_FGD 5

GENERATING COMPANIES		4 KPCO	
THERMAL UNIT		127	129
YEAR 2011	BS1_FGD 1	CR1_NGCC 1	CR2_NGCC 2
YEAR 2012			
YEAR 2013			
YEAR 2014			
YEAR 2015			

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES		4 KPCO		4 KPCO		4 KPCO		4 KPCO		4 KPCO	
THERMAL UNIT		RPID_IM	RP2D_IM	TAM4_F9D	RPID_KP	RP2D_KP	TC4_ESP	A390% AP			
YEAR		133	134	135	136	137	144	145			
YEAR 2014											
YEAR 2015											
YEAR 2016											
YEAR 2017											
YEAR 2018											
YEAR 2019											
YEAR 2020											
YEAR 2021											
YEAR 2022											
YEAR 2023											
YEAR 2024											
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YEAR 2030											
YEAR 2031											
YEAR 2032											
YEAR 2033											
YEAR 2034											
YEAR 2035											
YEAR 2036											
YEAR 2037											
YEAR 2038											
YEAR 2039											
YEAR 2040											
GENERATING COMPANIES											
THERMAL UNIT											
		A390%OP	MTN_90%	RPT1_90%	RPT2_90%	GV1_90%	GV2_90%	MTN_18%			
YEAR 2011		146	147	148	149	150	151	153			
YEAR 2012		3	1	1	2	1	2	1			
OWNERSHIP RATIO		RATIO									
YEAR 2012		0.00									
YEAR 2013		0.00									
YEAR 2014		0.00									
YEAR 2015		0.00									
YEAR 2016		0.00									
YEAR 2017		0.00									
YEAR 2018		0.00									
YEAR 2019		0.00									
YEAR 2020		0.00									
YEAR 2021		0.00									
YEAR 2022		0.00									
YEAR 2023		0.00									
YEAR 2024		0.00									
YEAR 2025		0.00									
YEAR 2026		0.00									
YEAR 2027		0.00									

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

GENERATING COMPANIES		4 KPCO		154		155		156		157		158		159		160	
THERMAL UNIT		CC_PA_KP	CT_OHIO	CC_OH	CT_I&M	CC_I&M	CT_ARCO	CC_ARCO									
YEAR 2026	-----	1	1	1	1	1	1	1									
YEAR 2027	-----																
YEAR 2028	-----																
YEAR 2029	-----																
YEAR 2030	-----																
YEAR 2031	-----																
YEAR 2032	-----																
YEAR 2033	-----																
YEAR 2034	-----																
YEAR 2035	-----																
YEAR 2036	-----																
YEAR 2037	-----																
YEAR 2038	-----																
YEAR 2039	-----																
YEAR 2040	-----																
GENERATING COMPANIES																	
THERMAL UNIT																	
OWNERSHIP RATIO		4 KPCO		161		162		163		164		165		166		168	
YEAR 2011	-----	CT_KPCO	CC_KPCO	BS2_FGD	BS2_FGD	BS2_FGD	BS2_FGD	BS2_FGD	IGCC_AP								
YEAR 2012	-----	1	1	1	5	22	23	1									
YEAR 2013	-----																
YEAR 2014	-----																
YEAR 2015	-----																
YEAR 2016	-----																
YEAR 2017	-----																
YEAR 2018	-----																
YEAR 2019	-----																
YEAR 2020	-----																
YEAR 2021	-----																
YEAR 2022	-----																
YEAR 2023	-----																
YEAR 2024	-----																
YEAR 2025	-----																
YEAR 2026	-----																
YEAR 2027	-----																
YEAR 2028	-----																
YEAR 2029	-----																
YEAR 2030	-----																
YEAR 2031	-----																
YEAR 2032	-----																
YEAR 2033	-----																
YEAR 2034	-----																
YEAR 2035	-----																
YEAR 2036	-----																
YEAR 2037	-----																
YEAR 2038	-----																
YEAR 2039	-----																

YEAR 2010	GENERATING COMPANIES THERMAL UNIT	4 KPCO	PC_UL_AP 169 1	NUKE_AP 170 1	IGCC IM 171 1	PC_UL_IM 172 1	NUKE_IM 173 1	IGCC KP 174 1	PC_UL_KP 175 1
YEAR 2011	OWNERSHIP RATIO	RATIO	0.00	0.00	0.00	0.00	0.00	1.00	1.00
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
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YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

GENERATING COMPANIES		4 KPCO		169 170 171		172 173 174		175	
THERMAL UNIT		PC_UL_AP 1		NUKE_KP 1		IGCC IM 1		PC_UL_IM 1	
YEAR 2038									
YEAR 2039									
YEAR 2040									
GENERATING COMPANIES		4 KPCO		176 177 178		179 181 182		183	
THERMAL UNIT		NUKE_KP 1		IGCC OH 1		PC_UL_OH 1		NUKE OH 1	
YEAR 2011									
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
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YEAR 2030									
YEAR 2031									
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YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									
GENERATING COMPANIES		4 KPCO		184 186 187		188 189		190 191	
THERMAL UNIT		RPID_20 1		RPI1R_IM 1		RP2TR_IM 2		T4_TROWA 4	
YEAR 2011									
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
OWNERSHIP RATIO		RATIO		0.00 0.00		1.00 1.00		0.00 0.00	

-----	YEAR 2019	-----
-----	YEAR 2020	-----
-----	YEAR 2021	-----
-----	YEAR 2022	-----
-----	YEAR 2023	-----
-----	YEAR 2024	-----
-----	YEAR 2025	-----
-----	YEAR 2026	-----
-----	YEAR 2027	-----
-----	YEAR 2028	-----
-----	YEAR 2029	-----
-----	YEAR 2030	-----
-----	YEAR 2031	-----
-----	YEAR 2032	-----
-----	YEAR 2033	-----
-----	YEAR 2034	-----
-----	YEAR 2035	-----
-----	YEAR 2036	-----
-----	YEAR 2037	-----
-----	YEAR 2038	-----
-----	YEAR 2039	-----
-----	YEAR 2040	-----

GENERATING COMPANIES
THERMAL UNIT

4 KPCO

223	224	228	229	230	231	232
MR_STKR1	WR_STKR2	AMS3_SI	BS2_SI	MR5_CP	MR5_SI	RPT1_CP
1	1	3	2	5	5	1

-----	YEAR 2011	-----	RATIO	0.00	0.00	0.00	1.00	0.00	0.00	0.00
-----	YEAR 2012	-----								
-----	YEAR 2013	-----								
-----	YEAR 2014	-----								
-----	YEAR 2015	-----								
-----	YEAR 2016	-----								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES
THERMAL UNIT

4	KPCO													
	MR_STKR1	223	MR_STKR2	224	AMS3_SI	228	BS2_SI	229	MRS_CF	230	MRS_SI	231	RPT1_CF	232
		1		1		3		2		5		5		1

----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
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 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
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 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

GENERATING COMPANIES
THERMAL UNIT

4	KPCO													
	RPT2_CF	233	RPT1_SI	234	RPT2_SI	235	DC1_HPT	251	DC1_IS	252	DC1_BFP	253	DC1_I17	254
		2		1		2		1		1		1		1

OWNERSHIP RATIO

-----	YEAR 2011	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2012	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2013	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2014	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2015	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2016	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2017	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2018	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2019	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2020	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2021	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2022	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2023	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2024	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2025	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2026	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2027	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2028	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2029	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2030	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

-----	YEAR 2031	-----								
-----	YEAR 2032	-----								
-----	YEAR 2033	-----								
-----	YEAR 2034	-----								
-----	YEAR 2035	-----								
-----	YEAR 2036	-----								
-----	YEAR 2037	-----								
-----	YEAR 2038	-----								
-----	YEAR 2039	-----								
-----	YEAR 2040	-----								
GENERATING COMPANIES										
THERMAL UNIT										
-----	YEAR 2011	-----	4	KPCO						
-----	OWNERSHIP RATIO	-----								
-----	YEAR 2012	-----								
-----	YEAR 2013	-----								
-----	YEAR 2014	-----								
-----	YEAR 2015	-----								
-----	YEAR 2016	-----								
-----	YEAR 2017	-----								
-----	YEAR 2018	-----								
-----	YEAR 2019	-----								
-----	YEAR 2020	-----								
-----	YEAR 2021	-----								
-----	YEAR 2022	-----								
-----	YEAR 2023	-----								
-----	YEAR 2024	-----								
-----	YEAR 2025	-----								
-----	YEAR 2026	-----								
-----	YEAR 2027	-----								
-----	YEAR 2028	-----								

	DC1_3800 1	DC2_HFP 2	DC2_EFP 2	DC2_SFU 2	DC2_3800 2	BIGSD_IL 1	BIGSD_GP 1
255	257	258	259	260	269	270	
0.00	0.00	0.00	0.00	0.00	1.00	1.00	

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP BAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES		4 KPCO		255		257		258		259		260		269		270	
THERMAL UNIT		DC1_3800		DC2_HPF		DC2_EFF		DC2_SPU		DC2_3800		BIGSD_15		BIGSD_GP			
YEAR 2029	-----																
YEAR 2030	-----																
YEAR 2031	-----																
YEAR 2032	-----																
YEAR 2033	-----																
YEAR 2034	-----																
YEAR 2035	-----																
YEAR 2036	-----																
YEAR 2037	-----																
YEAR 2038	-----																
YEAR 2039	-----																
YEAR 2040	-----																

GENERATING COMPANIES
THERMAL UNIT

4 KPCO

271		272		273		274		275		276		277	
CLN_Q_HM		CLN_Q_15		CLN_Q_HM		CLN_Q_15		CLN_Q_HM		CLN_Q_15		CVL_3_HM	
YEAR 2011	-----												
YEAR 2012	-----												
YEAR 2013	-----												
YEAR 2014	-----												
YEAR 2015	-----												
YEAR 2016	-----												
YEAR 2017	-----												
YEAR 2018	-----												
YEAR 2019	-----												
YEAR 2020	-----												
YEAR 2021	-----												
YEAR 2022	-----												
YEAR 2023	-----												
YEAR 2024	-----												
YEAR 2025	-----												
YEAR 2026	-----												
YEAR 2027	-----												
YEAR 2028	-----												
YEAR 2029	-----												
YEAR 2030	-----												
YEAR 2031	-----												
YEAR 2032	-----												
YEAR 2033	-----												
YEAR 2034	-----												
YEAR 2035	-----												
YEAR 2036	-----												
YEAR 2037	-----												
YEAR 2038	-----												
YEAR 2039	-----												
YEAR 2040	-----												

OWNERSHIP RATIO

RATIO

YEAR 2011	-----	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012	-----								
YEAR 2013	-----								
YEAR 2014	-----								
YEAR 2015	-----								
YEAR 2016	-----								
YEAR 2017	-----								
YEAR 2018	-----								
YEAR 2019	-----								
YEAR 2020	-----								
YEAR 2021	-----								
YEAR 2022	-----								
YEAR 2023	-----								
YEAR 2024	-----								
YEAR 2025	-----								
YEAR 2026	-----								
YEAR 2027	-----								
YEAR 2028	-----								
YEAR 2029	-----								
YEAR 2030	-----								
YEAR 2031	-----								
YEAR 2032	-----								
YEAR 2033	-----								
YEAR 2034	-----								
YEAR 2035	-----								
YEAR 2036	-----								
YEAR 2037	-----								
YEAR 2038	-----								
YEAR 2039	-----								
YEAR 2040	-----								

GENERATING COMPANIES
THERMAL UNIT

4 KPCO

278		279		280		281		282		283		284	
CVL_3_10		GLN_5_HM		GLN_5_15		GLN_6_HM		GLN_6_15		KMR_F_HM		KMR_F_GP	
YEAR 2011	-----												
YEAR 2012	-----												
YEAR 2013	-----												
YEAR 2014	-----												
YEAR 2015	-----												
YEAR 2016	-----												
YEAR 2017	-----												
YEAR 2018	-----												
YEAR 2019	-----												
YEAR 2020	-----												
YEAR 2021	-----												
YEAR 2022	-----												
YEAR 2023	-----												
YEAR 2024	-----												
YEAR 2025	-----												
YEAR 2026	-----												
YEAR 2027	-----												
YEAR 2028	-----												
YEAR 2029	-----												
YEAR 2030	-----												
YEAR 2031	-----												
YEAR 2032	-----												
YEAR 2033	-----												
YEAR 2034	-----												
YEAR 2035	-----												
YEAR 2036	-----												
YEAR 2037	-----												
YEAR 2038	-----												
YEAR 2039	-----												
YEAR 2040	-----												

4-Company East Optimization

YEAR 2011	RATIO	0.00	0.00	0.00	0.00	0.00
OWNERSHIP RATIO						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
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YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES		4 KPCO		285		286		287		288		289		290		291			
THERMAL UNIT		KMR_F_HM_2		KMR_F_GP_2		KMR_F_HM_3		KMR_F_GP_3		KWA_1_HM_1		KWA_1_15_1		KWA_2_HM_2					
YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	
OWNERSHIP RATIO																			
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
GENERATING COMPANIES																			
THERMAL UNIT																			
4 KPCO																			
YEAR 2011		292		293		294		295		296		297		298					
OWNERSHIP RATIO		KWA_2_15_2		MSKR1_HM_1		MSKR1_12_1		MSKR2_HM_2		MSKR2_12_2		MSKR3_GP_3		MR3HM_12_3					
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012																			
YEAR 2013																			
YEAR 2014																			
YEAR 2015																			
YEAR 2016																			
YEAR 2017																			
YEAR 2018																			
YEAR 2019																			
YEAR 2020																			
YEAR 2021																			
YEAR 2022																			
YEAR 2023																			
YEAR 2024																			

----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

GENERATING COMPANIES
 THERMAL UNIT

4 KPCO

MSKR4_GP 299 300 301 302 303 304 305
 4 4 5 5 1 1 2

YEAR	RATIO	RATIO	RATIO	RATIO	RATIO	RATIO
YEAR 2011	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES		4 KRCC	
THERMAL UNIT		MSRR4_GP	MAMM_I2
YEAR 2023	-----	299	300
YEAR 2024	-----		
YEAR 2025	-----		
YEAR 2026	-----		
YEAR 2027	-----		
YEAR 2028	-----		
YEAR 2029	-----		
YEAR 2030	-----		
YEAR 2031	-----		
YEAR 2032	-----		
YEAR 2033	-----		
YEAR 2034	-----		
YEAR 2035	-----		
YEAR 2036	-----		
YEAR 2037	-----		
YEAR 2038	-----		
YEAR 2039	-----		
YEAR 2040	-----		

GENERATING COMPANIES
THERMAL UNIT

4 KRCC

SP2_F_15	SP3_Q_HM	SP3_Q_15	SP4_Q_HM	SP4_Q_15	SP5_HM	SP5_15
306	307	308	309	310	311	312
2	3	3	4	4	5	5

OWNERSHIP RATIO	RATIO
YEAR 2011	0.00
YEAR 2012	0.00
YEAR 2013	0.00
YEAR 2014	0.00
YEAR 2015	0.00
YEAR 2016	0.00
YEAR 2017	0.00
YEAR 2018	0.00
YEAR 2019	0.00
YEAR 2020	0.00
YEAR 2021	0.00
YEAR 2022	0.00
YEAR 2023	0.00
YEAR 2024	0.00
YEAR 2025	0.00
YEAR 2026	0.00
YEAR 2027	0.00
YEAR 2028	0.00
YEAR 2029	0.00
YEAR 2030	0.00
YEAR 2031	0.00
YEAR 2032	0.00
YEAR 2033	0.00
YEAR 2034	0.00
YEAR 2035	0.00
YEAR 2036	0.00

-----	YEAR 2037	-----																
-----	YEAR 2038	-----																
-----	YEAR 2039	-----																
-----	YEAR 2040	-----																
GENERATING COMPANIES																		
THERMAL UNIT																		
-----	YEAR 2011	-----	4	RPO	313	TNR_F_HM	314	TNR_F_I5	315	TNR_F_HM	316	TNR_F_I5	317	TNR_F_HM	318	TNR_F_I5	319	PW_GP_I5
-----	OWNERSHIP RATIO	-----		RATIO	0.00	1	1	2	2	3	3	5						
-----	YEAR 2012	-----			0.00		0.00		0.00		0.00		0.00		0.00		0.00	
-----	YEAR 2013	-----																
-----	YEAR 2014	-----																
-----	YEAR 2015	-----																
-----	YEAR 2016	-----																
-----	YEAR 2017	-----																
-----	YEAR 2018	-----																
-----	YEAR 2019	-----																
-----	YEAR 2020	-----																
-----	YEAR 2021	-----																
-----	YEAR 2022	-----																
-----	YEAR 2023	-----																
-----	YEAR 2024	-----																
-----	YEAR 2025	-----																
-----	YEAR 2026	-----																
-----	YEAR 2027	-----																
-----	YEAR 2028	-----																
-----	YEAR 2029	-----																
-----	YEAR 2030	-----																
-----	YEAR 2031	-----																
-----	YEAR 2032	-----																
-----	YEAR 2033	-----																
-----	YEAR 2034	-----																

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT
QUALIFIER = GAP.INPUT.THERMAL UNIT.

GENERATING COMPANIES 4 KPCO
THERMAL UNIT
 YEAR 2035 TNR_F_HM 313 TNR_F_I5 314 TNR_F_HM 315 TNR_F_I5 316 TNR_F_HM 317 TNR_F_I5 318 FM_GP_I5 319
 1 1 2 2 3 3 3 5

YEAR 2036
YEAR 2037
YEAR 2038
YEAR 2039
YEAR 2040

GENERATING COMPANIES 4 KPCO
THERMAL UNIT
 RH11s 320 DUMMY_OP 500 DUMMY_IM 501 DUMMY_AP 502 DUMMY_KP 503 CC_KPCO 958 RP2D_KP 959
 1 0 0 0 0 0 0 958 959

OWNERSHIP RATIO
 YEAR 2011 RATIO 0.00
 YEAR 2012 RATIO 0.00
 YEAR 2013 RATIO 0.00
 YEAR 2014 RATIO 0.00
 YEAR 2015 RATIO 0.00
 YEAR 2016 RATIO 0.00
 YEAR 2017 RATIO 0.00
 YEAR 2018 RATIO 0.00
 YEAR 2019 RATIO 0.00
 YEAR 2020 RATIO 0.00
 YEAR 2021 RATIO 0.00
 YEAR 2022 RATIO 0.00
 YEAR 2023 RATIO 0.00
 YEAR 2024 RATIO 0.00
 YEAR 2025 RATIO 0.00
 YEAR 2026 RATIO 0.00
 YEAR 2027 RATIO 0.00
 YEAR 2028 RATIO 0.00
 YEAR 2029 RATIO 0.00
 YEAR 2030 RATIO 0.00
 YEAR 2031 RATIO 0.00
 YEAR 2032 RATIO 0.00
 YEAR 2033 RATIO 0.00
 YEAR 2034 RATIO 0.00
 YEAR 2035 RATIO 0.00
 YEAR 2036 RATIO 0.00
 YEAR 2037 RATIO 0.00
 YEAR 2038 RATIO 0.00
 YEAR 2039 RATIO 0.00
 YEAR 2040 RATIO 0.00

GENERATING COMPANIES 4 KPCO
THERMAL UNIT
 RP2D_IM 960 CSV6_SCR 961 CSV5_SCR 962 DUMMY_OP 963 DUMMY_OP 964 RPID_O3 965 RPID_KP 966
 960 961 962 963 964 965 966

OWNERSHIP RATIO
 YEAR 2011 RATIO 0.00
 YEAR 2012 RATIO 0.00
 YEAR 2013 RATIO 0.00
 YEAR 2014 RATIO 0.00
 YEAR 2015 RATIO 0.00

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES
THERMAL UNIT

4	KPCO	967	968	969	970	971	972	973
		BS2_FGD	CR2_NGCC	CR1_NGCC	MRS_NGCC	DUMMY_OP	DUMMY_OP	DUMMY_OP
		967	968	969	970	971	972	973

----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

GENERATING COMPANIES
THERMAL UNIT

4	KPCO	974	975	976	977	978	979	980
		DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
		974	975	976	977	978	979	980

OWNERSHIP RATIO

RATIO 0.00 0.00 0.00 0.00 0.00 0.00 0.00

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----

YEAR 2040	GENERATING COMPANIES THERMAL UNIT	4 KPCO	995 DUMMY OP 995	996 T4 TRONA 996	997 RP2TR KP 997	998 RP2TR IM 998	999 DUMMY OP 999
YEAR 2011	OWNERSHIP RATIO		0.00	0.00	1.00	0.00	0.00
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES
THERMAL UNIT

4 KPCO
995 996 997 998 999
DUMMY_OP T4_TRONA RP2TR_KP RP2TR_TM DUMMY_OP
995 996 997 998 999

----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

GENERATING COMPANIES
THERMAL UNIT

7
1 AMOS 2 AMOS 3 AMOS_OP 4 BRCKJORD 5 BIG SAND 6 BIG SAND 7 CARD 1+2
1 1 2 3 6 1 2 1

----- YEAR 2011 ----- RATIO 0.00 0.00 0.00 0.00 0.00 0.00 0.00
OWNERSHIP RATIO

----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

GENERATING COMPANIES
THERMAL UNIT

7
8 CARD 1+2 9 CARD 3 10 CLIFBY 1 11 CLIFBY 2 12 CLIFBY 3 13 CLIFBY 4 14 CLIFBY 5
2 3 1 2 3 4 5

----- YEAR 2011 ----- RATIO 0.00 0.00 0.00 0.00 0.00 0.00 0.00
OWNERSHIP RATIO

----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT	7	15 CLIFFY 6	16 CLINCH R 1	17 CLINCH R 2	18 CLINCH R 3	19 ROCKP_KP 1	20 ROCKP_KP 2	21 CSVL 1-4 3
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

GENERATING COMPANIES
THERMAL UNIT

7	22 CSVL 1-4 4	23 CSVL 5+6 5	24 CSVL 5+6 6	25 D C COOK 1	26 D C COOK 2	27 GAVIN 1	28 GAVIN 2
YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							

OWNERSHIP RATIO	RATIO	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							

-----	YEAR 2031	-----								
-----	YEAR 2032	-----								
-----	YEAR 2033	-----								
-----	YEAR 2034	-----								
-----	YEAR 2035	-----								
-----	YEAR 2036	-----								
-----	YEAR 2037	-----								
-----	YEAR 2038	-----								
-----	YEAR 2039	-----								
-----	YEAR 2040	-----								
GENERATING COMPANIES										
	7									
THERMAL UNIT										
		29	30	31	32	33	34	35		
		GLEN LYN	GLEN LYN			KAMMER	KAMMER	KAMMER		
		5	6	0	0	1	2	3		
-----	YEAR 2011	-----	RATIO	0.00	0.00	0.00	0.00	0.00		
MEMBERSHIP RATIO										
-----	YEAR 2012	-----								
-----	YEAR 2013	-----								
-----	YEAR 2014	-----								
-----	YEAR 2015	-----								
-----	YEAR 2016	-----								
-----	YEAR 2017	-----								
-----	YEAR 2018	-----								
-----	YEAR 2019	-----								
-----	YEAR 2020	-----								
-----	YEAR 2021	-----								
-----	YEAR 2022	-----								
-----	YEAR 2023	-----								
-----	YEAR 2024	-----								
-----	YEAR 2025	-----								
-----	YEAR 2026	-----								
-----	YEAR 2027	-----								
-----	YEAR 2028	-----								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT	7	29	30	31	32	33	34	35
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
GENERATING COMPANIES THERMAL UNIT	7	29	30	31	32	33	34	35
		GLEN LYN 5	GLEN LYN 6	0	0	KAMMER 1	KAMMER 2	KAMMER 3

GENERATING COMPANIES THERMAL UNIT	7	36	37	38	39	40	41	42
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
GENERATING COMPANIES THERMAL UNIT	7	36	37	38	39	40	41	42
		KANAWHA 1	KANAWHA 2	KYGRR 1	KYGRR 2	KYGRR 3	KYGRR 4	KYGRR 5

OWMERSHIP RATIO	RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
GENERATING COMPANIES THERMAL UNIT	7	43	44	45	46	47	48	49
		MITCHELL 1	MITCHELL 2	MOUNT_ER 1	MUSK RVR 1	MUSK RVR 2	MUSK RVR 3	MUSK RVR 4

4-Company East Optimization

YEAR 2011	RATIO	0.00	0.00	0.00	0.00	0.00
OWNERSHIP RATIO						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT
QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES		7				
THERMAL UNIT		MUSK RVR	P SPORN	P SPORN	P SPORN	P SPORN
YEAR 2011	RATIO	50	51	52	53	54
YEAR 2012		5	1	2	3	4
YEAR 2013						5
YEAR 2014						PICWAY
YEAR 2015						5
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						
GENERATING COMPANIES						
THERMAL UNIT						
YEAR 2011		57	58	59	60	61
OWNERSHIP RATIO		RPRPT_IM_1	RPRUN_IM_1	ROCKP_IM_2		STUART_1
YEAR 2012	RATIO	0.00	0.00	0.00	0.00	0.00
YEAR 2013						STUART_2
YEAR 2014						STUART_3
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						

----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

GENERATING COMPANIES
 THERMAL UNIT

YEAR	UNIT	RATIO
64	STUART 4	0.00
65	AMOS_AP 3	0.00
66	TANN 1-3 1	0.00
67	TANN 1-3 2	0.00
68	TANN 1-3 3	0.00
69	TANN 4 4	0.00
70	ZIMMER 1	0.00

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES		QUALIFIER = GAF.INPUT.THERMAL UNIT.							
THERMAL UNIT		71	72	73	75	76	77	78	
YEAR 2023	STUART 4	AMOS AP 3	TANN 1-3 1	TANN 1-3 2	TANN 1-3 3	TANN 4 4	ZIMMER 1		
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

GENERATING COMPANIES
THERMAL UNIT

7

71	72	73	75	76	77	78
ROBTMONE 1	ROBTMONE 2	ROBTMONE 3	CEREDO 1	CEREDO 2	CEREDO 3	CEREDO 4

YEAR 2011	RATIO	0.00	0.00	0.00	0.00	0.00	0.00
OWNERSHIP RATIO							

YEAR 2012	
YEAR 2013	
YEAR 2014	
YEAR 2015	
YEAR 2016	
YEAR 2017	
YEAR 2018	
YEAR 2019	
YEAR 2020	
YEAR 2021	
YEAR 2022	
YEAR 2023	
YEAR 2024	
YEAR 2025	
YEAR 2026	
YEAR 2027	
YEAR 2028	
YEAR 2029	
YEAR 2030	
YEAR 2031	
YEAR 2032	
YEAR 2033	
YEAR 2034	
YEAR 2035	
YEAR 2036	

YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040	GENERATING COMPANIES THERMAL UNIT	7	79 CEREDO 5	80 CEREDO 6	81 DARBY 1	82 DARBY 2	83 DARBY 3	84 DARBY 4	85 DARBY 5
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OWNERSHIP RATIO	RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT		QUALIFIER = GAF.INPUT.THERMAL UNIT.									
		79	80	81	82	83	84	85			
		CEREPO 5	CEREPO 6	DARBY 1	DARBY 2	DARBY 3	DARBY 4	DARBY 5			
YEAR 2035											
YEAR 2036											
YEAR 2037											
YEAR 2038											
YEAR 2039											
YEAR 2040											

GENERATING COMPANIES THERMAL UNIT		QUALIFIER = GAF.INPUT.THERMAL UNIT.									
		86	87	88	89	90	91	92			
		DARBY 6	LMBG WIN 1	LMBG WIN 2	LMBG SMR 1	LMBG SMR 2	WATR CC 1	WATR2 1			
YEAR 2011		0.00	0.00	0.00	0.00	0.00	0.00	0.00			
YEAR 2012											
YEAR 2013											
YEAR 2014											
YEAR 2015											
YEAR 2016											
YEAR 2017											
YEAR 2018											
YEAR 2019											
YEAR 2020											
YEAR 2021											
YEAR 2022											
YEAR 2023											
YEAR 2024											
YEAR 2025											
YEAR 2026											
YEAR 2027											
YEAR 2028											
YEAR 2029											
YEAR 2030											
YEAR 2031											
YEAR 2032											
YEAR 2033											
YEAR 2034											
YEAR 2035											
YEAR 2036											
YEAR 2037											
YEAR 2038											
YEAR 2039											
YEAR 2040											

GENERATING COMPANIES THERMAL UNIT		QUALIFIER = GAF.INPUT.THERMAL UNIT.									
		93	94	95	96	97	101	102			
		DRESDEN 1	DRESD2 1	0	0	0	NUCLEAR 1	UPC_NCCS 1			
YEAR 2011		0.00	0.00	0.00	0.00	0.00	0.00	0.00			
YEAR 2012											
YEAR 2013											
YEAR 2014											
YEAR 2015											

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES
THERMAL UNIT

103	104	105	106	107	108	109
PC_UT_SU	UPC_RCCS	IGC_MCCS	IGCC_GE	IGC_RCCS	CC_2X1FB	CC_2X1FA
1	1	1	1	1	1	1

----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

GENERATING COMPANIES
THERMAL UNIT

110	111	114	115	119	120	124
CC_1x17H	BS2_CC	CT_GE7FA	CT_GE7FA			BS2_FCD
1	1	1	1	0	0	2

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
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 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
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 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----

-----	YEAR 2028	-----							
-----	YEAR 2029	-----							
-----	YEAR 2030	-----							
-----	YEAR 2031	-----							
-----	YEAR 2032	-----							
-----	YEAR 2033	-----							
-----	YEAR 2034	-----							
-----	YEAR 2035	-----							
-----	YEAR 2036	-----							
-----	YEAR 2037	-----							
-----	YEAR 2038	-----							
-----	YEAR 2039	-----							
-----	YEAR 2040	-----							

GENERATING COMPANIES									
THERMAL UNIT									
			7						
		BS1_FGD	125						
		1							
		CSV5_SCR	126						
		5							
		CSV6_SCR	127						
		6							
		CR1_NGCC	129						
		1							
		CR2_NGCC	130						
		2							
		MR5_NGCC	131						
		5							
		MR5_FGD	132						
		5							
-----	YEAR 2011	-----							
-----	YEAR 2012	-----							
-----	YEAR 2013	-----							
-----	YEAR 2014	-----							
-----	YEAR 2015	-----							
-----	YEAR 2016	-----							
-----	YEAR 2017	-----							
-----	YEAR 2018	-----							
-----	YEAR 2019	-----							
-----	YEAR 2020	-----							
-----	YEAR 2021	-----							
-----	YEAR 2022	-----							
-----	YEAR 2023	-----							
-----	YEAR 2024	-----							
-----	YEAR 2025	-----							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

GENERATING COMPANIES
THERMAL UNIT

YEAR	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
BS1_FGD	125	126	127	129	130	131	132								
CSV5_SCR	5	5	6	1	2	5									
CR1_NGCC				1											
CR2_NGCC					2										
MRS_NGCC						5									
MRS_FGD							5								

GENERATING COMPANIES
THERMAL UNIT

YEAR	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	
RP1D_IM	133	134	135	136	137	144	145																							
RP2D_IM	1	2	4	1	2	4	3																							
TAN4_FGD																														
RP1D_KP				1																										
RP2D_KP					2																									
TC4_ESP						4																								
A3908_AP							3																							

4-Company East Optimization

YEAR 2010	GENERATING COMPANIES THERMAL UNIT	7	146 A390%OP 3	147 MTN_90% 1	148 RPT1_90% 1	149 RPT2_90% 2	150 GV1_90% 1	151 GV2_90% 2	153 MTN_18% 1
YEAR 2011	OWNERSHIP RATIO		0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GEN.INPUT.THERMAL UNIT.

GENERATING COMPANIES
THERMAL UNIT

146	147	148	149	150	151	153
A390\$OP	MTN_90%	RPT1_90%	RPT2_90%	GV1_90%	GV2_90%	MTN_18%
3	1	1	2	1	2	1

----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

GENERATING COMPANIES
THERMAL UNIT

154	155	156	157	158	159	160
CC_FA_KP	CT_OHIO	CC_OH	CT_I&M	CC_I&M	CT_ARCO	CC_ARCO
1	1	1	1	1	1	1

----- YEAR 2011 -----
----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

7	161	162	163	164	165	166	168
OWNERSHIP RATIO	CT_KPCO	CC_KPCO	BS2 FGD	BS2 FGD	BS2 FGD	BS2 FGD	IGCC AP
	1	1	1	5	22	23	1
	0.00	0.00	0.00	0.00	0.00	0.00	0.00

----- YEAR 2011 -----
----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----

-----	YEAR 2019	-----								
-----	YEAR 2020	-----								
-----	YEAR 2021	-----								
-----	YEAR 2022	-----								
-----	YEAR 2023	-----								
-----	YEAR 2024	-----								
-----	YEAR 2025	-----								
-----	YEAR 2026	-----								
-----	YEAR 2027	-----								
-----	YEAR 2028	-----								
-----	YEAR 2029	-----								
-----	YEAR 2030	-----								
-----	YEAR 2031	-----								
-----	YEAR 2032	-----								
-----	YEAR 2033	-----								
-----	YEAR 2034	-----								
-----	YEAR 2035	-----								
-----	YEAR 2036	-----								
-----	YEAR 2037	-----								
-----	YEAR 2038	-----								
-----	YEAR 2039	-----								
-----	YEAR 2040	-----								
GENERATING COMPANIES										
THERMAL UNIT										
-----	YEAR 2011	-----								
-----	OMNERSHIP RATIO	-----	RATIO							
-----	YEAR 2012	-----	0.00							
-----	YEAR 2013	-----	0.00							
-----	YEAR 2014	-----	0.00							
-----	YEAR 2015	-----	0.00							
-----	YEAR 2016	-----	0.00							

169 PC_UL_AP 170 Nuke_AP 171 IGCC IM 172 PC_UL_IM 173 NUKE_IM 174 IGCC KP 175 PC_UL_KP
I I I I I I I I

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

GENERATING COMPANIES
THERMAL UNIT

169 170 171 172 173 174 175
FC_UL_AP Nuke_AP IGCC IM FC_UL_IM Nuke_IM IGCC KP FC_UL_KP
1 1 1 1 1 1 1

----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

GENERATING COMPANIES
THERMAL UNIT

176 177 178 179 181 182 183
NUKE_KP IGCC OH FC_UL_OH Nuke_OH RPID_03 RPID_04 RPID_08
1 1 1 1 1 1 1

----- YEAR 2011 -----
----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----

OWNERSHIP RATIO RATIO 0.00 0.00 0.00 0.00 0.00 0.00 0.00

-----	YEAR 2031	-----							
-----	YEAR 2032	-----							
-----	YEAR 2033	-----							
-----	YEAR 2034	-----							
-----	YEAR 2035	-----							
-----	YEAR 2036	-----							
-----	YEAR 2037	-----							
-----	YEAR 2038	-----							
-----	YEAR 2039	-----							
-----	YEAR 2040	-----							
GENERATING COMPANIES									
THERMAL UNIT									
-----	YEAR 2011	-----	7						
OWNERSHIP RATIO									
-----	YEAR 2012	-----							
-----	YEAR 2013	-----							
-----	YEAR 2014	-----							
-----	YEAR 2015	-----							
-----	YEAR 2016	-----							
-----	YEAR 2017	-----							
-----	YEAR 2018	-----							
-----	YEAR 2019	-----							
-----	YEAR 2020	-----							
-----	YEAR 2021	-----							
-----	YEAR 2022	-----							
-----	YEAR 2023	-----							
-----	YEAR 2024	-----							
-----	YEAR 2025	-----							
-----	YEAR 2026	-----							
-----	YEAR 2027	-----							
-----	YEAR 2028	-----							

184	186	187	188	189	190	191
RPID_Z0	RP1TR_IM	RP2TR_IM	RP1TR_KP	RP2TR_KP	T4_TRONA	T4_TRCCR
1	1	2	1	2	4	4

RATIO

0.00

0.00

0.00

0.00

0.00

0.00

0.00

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT		GENERATING COMPANIES THERMAL UNIT		GENERATING COMPANIES THERMAL UNIT		GENERATING COMPANIES THERMAL UNIT		GENERATING COMPANIES THERMAL UNIT		GENERATING COMPANIES THERMAL UNIT		GENERATING COMPANIES THERMAL UNIT		GENERATING COMPANIES THERMAL UNIT			
YEAR	RATIO	MR_STR1	MR_STR2	AMS3_SI	BS2_SI	MRS_CF	MRS_SI	RPT1_CF	YEAR	RATIO	MR_STR1	MR_STR2	AMS3_SI	BS2_SI	MRS_CF	MRS_SI	RPT1_CF
YEAR 2029	0.00	184	186	187	188	189	190	191	YEAR 2029	0.00	184	186	187	188	189	190	191
YEAR 2030	0.00								YEAR 2030	0.00							
YEAR 2031	0.00								YEAR 2031	0.00							
YEAR 2032	0.00								YEAR 2032	0.00							
YEAR 2033	0.00								YEAR 2033	0.00							
YEAR 2034	0.00								YEAR 2034	0.00							
YEAR 2035	0.00								YEAR 2035	0.00							
YEAR 2036	0.00								YEAR 2036	0.00							
YEAR 2037	0.00								YEAR 2037	0.00							
YEAR 2038	0.00								YEAR 2038	0.00							
YEAR 2039	0.00								YEAR 2039	0.00							
YEAR 2040	0.00								YEAR 2040	0.00							

GENERATING COMPANIES																	
THERMAL UNIT																	

YEAR 2011	0.00	223	224	228	229	230	231	232	YEAR 2011	0.00	223	224	228	229	230	231	232
OWNERSHIP RATIO									OWNERSHIP RATIO								
YEAR 2012	0.00								YEAR 2012	0.00							
YEAR 2013	0.00								YEAR 2013	0.00							
YEAR 2014	0.00								YEAR 2014	0.00							
YEAR 2015	0.00								YEAR 2015	0.00							
YEAR 2016	0.00								YEAR 2016	0.00							
YEAR 2017	0.00								YEAR 2017	0.00							
YEAR 2018	0.00								YEAR 2018	0.00							
YEAR 2019	0.00								YEAR 2019	0.00							
YEAR 2020	0.00								YEAR 2020	0.00							
YEAR 2021	0.00								YEAR 2021	0.00							
YEAR 2022	0.00								YEAR 2022	0.00							
YEAR 2023	0.00								YEAR 2023	0.00							
YEAR 2024	0.00								YEAR 2024	0.00							
YEAR 2025	0.00								YEAR 2025	0.00							
YEAR 2026	0.00								YEAR 2026	0.00							
YEAR 2027	0.00								YEAR 2027	0.00							
YEAR 2028	0.00								YEAR 2028	0.00							
YEAR 2029	0.00								YEAR 2029	0.00							
YEAR 2030	0.00								YEAR 2030	0.00							
YEAR 2031	0.00								YEAR 2031	0.00							
YEAR 2032	0.00								YEAR 2032	0.00							
YEAR 2033	0.00								YEAR 2033	0.00							
YEAR 2034	0.00								YEAR 2034	0.00							
YEAR 2035	0.00								YEAR 2035	0.00							
YEAR 2036	0.00								YEAR 2036	0.00							
YEAR 2037	0.00								YEAR 2037	0.00							
YEAR 2038	0.00								YEAR 2038	0.00							
YEAR 2039	0.00								YEAR 2039	0.00							
YEAR 2040	0.00								YEAR 2040	0.00							

GENERATING COMPANIES																	
THERMAL UNIT																	

RPT2_CF	233	RPT1_SI	234	RPT2_SI	235	DC1_HPT	251	DC1_TS	252	DC1_EPF	253	DC1_I17	254				
2		1		2		1		1		1		1					
														1175			

4-Company East Optimization

YEAR 2011	RATIO	0.00	0.00	0.00	0.00	0.00
OWNERSHIP RATIO						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES		7						
THERMAL UNIT		DC1_3800	DC2_HFT	DC2_EFF	DC2_SP0	DC2_3800	BIGSD_15	BIGSD_GP
YEAR	RATIO	1	2	2	2	2	1	1
YEAR 2011	0.00							
YEAR 2012	0.00							
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
GENERATING COMPANIES		7						
THERMAL UNIT		DC1_3800	DC2_HFT	DC2_EFF	DC2_SP0	DC2_3800	BIGSD_15	BIGSD_GP
YEAR	RATIO	1	1	2	2	3	3	3
YEAR 2011	0.00							
YEAR 2012	0.00							
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								

----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

GENERATING COMPANIES
 THERMAL UNIT

-----	YEAR 2011	-----							
OWNERSHIP RATIO		RATIO							
-----	YEAR 2012	-----	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-----	YEAR 2013	-----							
-----	YEAR 2014	-----							
-----	YEAR 2015	-----							
-----	YEAR 2016	-----							
-----	YEAR 2017	-----							
-----	YEAR 2018	-----							
-----	YEAR 2019	-----							
-----	YEAR 2020	-----							
-----	YEAR 2021	-----							
-----	YEAR 2022	-----							

7
 CVL_3_10 278
 3

GIN_5_HM 279
 5

GIN_5_15 280
 5

GIN_6_HM 281
 6

GIN_6_15 282
 6

KMR_F_HM 283
 1

KMR_F_GP 284
 1

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT	7	278 CVL_3_10 3	279 GLN_5_HM 5	280 GLN_5_15 5	281 GLN_6_HM 6	282 GLN_6_15 6	283 KMR_F_HM 1	284 KMR_F_GP 1
YEAR 2023	---							
YEAR 2024	---							
YEAR 2025	---							
YEAR 2026	---							
YEAR 2027	---							
YEAR 2028	---							
YEAR 2029	---							
YEAR 2030	---							
YEAR 2031	---							
YEAR 2032	---							
YEAR 2033	---							
YEAR 2034	---							
YEAR 2035	---							
YEAR 2036	---							
YEAR 2037	---							
YEAR 2038	---							
YEAR 2039	---							
YEAR 2040	---							
GENERATING COMPANIES THERMAL UNIT	7							
YEAR 2011	---	285 KMR_F_HM 2	286 KMR_F_GP 2	287 KMR_F_HM 3	288 KMR_F_GP 3	289 KMR_1_HM 1	290 KMR_1_15 1	291 KMR_2_HM 2
OWNERSHIP RATIO		0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2012	---							
YEAR 2013	---							
YEAR 2014	---							
YEAR 2015	---							
YEAR 2016	---							
YEAR 2017	---							
YEAR 2018	---							
YEAR 2019	---							
YEAR 2020	---							
YEAR 2021	---							
YEAR 2022	---							
YEAR 2023	---							
YEAR 2024	---							
YEAR 2025	---							
YEAR 2026	---							
YEAR 2027	---							
YEAR 2028	---							
YEAR 2029	---							
YEAR 2030	---							
YEAR 2031	---							
YEAR 2032	---							
YEAR 2033	---							
YEAR 2034	---							
YEAR 2035	---							
YEAR 2036	---							

-----	YEAR 2037	-----							
-----	YEAR 2038	-----							
-----	YEAR 2039	-----							
-----	YEAR 2040	-----							
	GENERATING COMPANIES		7						
	THERMAL UNIT								
-----	YEAR 2011	-----							
-----	OWNERSHIP RATIO	-----							
-----	YEAR 2012	-----							
-----	YEAR 2013	-----							
-----	YEAR 2014	-----							
-----	YEAR 2015	-----							
-----	YEAR 2016	-----							
-----	YEAR 2017	-----							
-----	YEAR 2018	-----							
-----	YEAR 2019	-----							
-----	YEAR 2020	-----							
-----	YEAR 2021	-----							
-----	YEAR 2022	-----							
-----	YEAR 2023	-----							
-----	YEAR 2024	-----							
-----	YEAR 2025	-----							
-----	YEAR 2026	-----							
-----	YEAR 2027	-----							
-----	YEAR 2028	-----							
-----	YEAR 2029	-----							
-----	YEAR 2030	-----							
-----	YEAR 2031	-----							
-----	YEAR 2032	-----							
-----	YEAR 2033	-----							
-----	YEAR 2034	-----							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

292	293	294	295	296	297	298
KWA_2_15_2	MSKR1_HM_1	MSKR1_12_1	MSKR2_HM_2	MSKR2_12_2	MSKR3_GP_3	MR3HM_12_3

RATIO

0.00

0.00

0.00

0.00

0.00

0.00

0.00

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES		7	
THERMAL UNIT			
YEAR 2035	292	293	294
YEAR 2036	KMR_2_15_2	MSKR1_HM_1	MSKR1_12_1
YEAR 2037			MSKR2_HM_2
YEAR 2038			MSKR2_12_2
YEAR 2039			MSKR3_GP_3
YEAR 2040			MR3HM_12_3

GENERATING COMPANIES		7	
THERMAL UNIT			
YEAR 2011	299	300	301
YEAR 2012	MSKR4_GP_4	M4HM_12_4	PICWY_HM_5
YEAR 2013			PICWY_GP_5
YEAR 2014			SPI_F_HM_1
YEAR 2015			SPI_F_15_1
YEAR 2016			SPI_F_15_1
YEAR 2017			SP2_F_HM_2
YEAR 2018			
YEAR 2019			
YEAR 2020			
YEAR 2021			
YEAR 2022			
YEAR 2023			
YEAR 2024			
YEAR 2025			
YEAR 2026			
YEAR 2027			
YEAR 2028			
YEAR 2029			
YEAR 2030			
YEAR 2031			
YEAR 2032			
YEAR 2033			
YEAR 2034			
YEAR 2035			
YEAR 2036			
YEAR 2037			
YEAR 2038			
YEAR 2039			
YEAR 2040			

GENERATING COMPANIES		7	
THERMAL UNIT			
YEAR 2011	306	307	308
YEAR 2012	SP2_F_15_2	SP3_Q_HM_3	SP3_Q_15_3
YEAR 2013			SP4_Q_HM_4
YEAR 2014			SP4_Q_15_4
YEAR 2015			SP4_Q_15_4
			SP5_HM_5
			SP5_15_5

OWNERSHIP RATIO		RATIO	
YEAR 2011	0.00	0.00	0.00
YEAR 2012			
YEAR 2013			
YEAR 2014			
YEAR 2015			

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

GENERATING COMPANIES
THERMAL UNIT

313	314	315	316	317	318	319
TNR_F_HM	TNR_F_15	TNR_F_HM	TNR_F_15	TNR_F_HM	TNR_F_15	FW_GP_15
1	1	2	2	3	3	5

----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

GENERATING COMPANIES
THERMAL UNIT

320	500	501	502	503	958	959
RH111s	DUMMY_OP	DUMMY_1M	DUMMY_AP	DUMMY_KP	CC_KPCO	RE2D_KP
1	0	0	0	0	958	959

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----

RATIO 1.00 0.00 0.00 0.00 0.00 0.00 0.00

4-Company East Optimization

YEAR 2040	7	974	975	976	977	978	979	980
GENERATING COMPANIES		DUMMY OP	DUMMY OP	DUMMY OP	DUMMY OP	DUMMY OP	DUMMY OP	DUMMY OP
THERMAL UNIT		974	975	976	977	978	979	980
OWNERSHIP RATIO	RATIO	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES THERMAL UNIT		APP EAST GENERATION AND FUEL MODULE INPUT SUMMARY REPORT																														
		QUALIFIER = GAF.INPUT.THERMAL UNIT.																														
YEAR 2038	YEAR 2039	YEAR 2040								YEAR 2011																						
OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER															
974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994												
DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP												
974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994												
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7												
OWNER		OWNER		OWNER		OWNER		OWNER		OWNER		OWNER		OWNER		OWNER		OWNER		OWNER												
RATIO		RATIO		RATIO		RATIO		RATIO		RATIO		RATIO		RATIO		RATIO		RATIO		RATIO												
0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00												
YEAR 2038	YEAR 2039	YEAR 2040	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	OWNER	
RATIO	RATIO	RATIO	RATIO	RATIO	RATIO	RATIO	RATIO	RATIO	RATIO	RATIO	RATIO	RATIO	RATIO	RATIO	RATIO	RATIO	RATIO	RATIO	RATIO	RATIO	RATIO	RATIO	RATIO	RATIO	RATIO	RATIO	RATIO	RATIO	RATIO	RATIO	RATIO	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

-----	YEAR 2019	-----						
-----	YEAR 2020	-----						
-----	YEAR 2021	-----						
-----	YEAR 2022	-----						
-----	YEAR 2023	-----						
-----	YEAR 2024	-----						
-----	YEAR 2025	-----						
-----	YEAR 2026	-----						
-----	YEAR 2027	-----						
-----	YEAR 2028	-----						
-----	YEAR 2029	-----						
-----	YEAR 2030	-----						
-----	YEAR 2031	-----						
-----	YEAR 2032	-----						
-----	YEAR 2033	-----						
-----	YEAR 2034	-----						
-----	YEAR 2035	-----						
-----	YEAR 2036	-----						
-----	YEAR 2037	-----						
-----	YEAR 2038	-----						
-----	YEAR 2039	-----						
-----	YEAR 2040	-----						
GENERATING COMPANIES								
THERMAL UNIT								
			7					
				995				
				DUMMY_OP	T4_TRONA			
				595	996			
					RP2TR_KP			
					597			
					RP2TR_IM			
					998			
					DUMMY_OP			
					999			
-----	YEAR 2011	-----						
-----	OWNERSHIP RATIO	-----						
-----	YEAR 2012	-----						
-----	YEAR 2013	-----						
-----	YEAR 2014	-----						
-----	YEAR 2015	-----						
-----	YEAR 2016	-----						

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

GENERATING COMPANIES
THERMAL UNIT

	995	996	997	998	999
DUMMY_OP	T4_TRONA	RP2TR_KP	RP2TR_IM	DUMMY_OP	
995	996	997	998	999	

----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULS
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 1 JANUARY						
	AMOS 1	AMOS 2	AMOS_OP 3	BECKJORD 4	BIG SAND 5	BIG SAND 6	CARD 1+2 7
YEAR 2011							
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

THERMAL UNIT	SEASON 1 JANUARY				
	CARD 1+2 8	CARD 3 9	CLIFFY 10	CLIFFY 11	CLIFFY 12
YEAR 2011					
SEASONAL HEAT RATE PROFILE	0	0	0	0	0
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					

----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

SEASONAL HEAT RATE PROFILE	SEASON 1	JANUARY	CLIFFY 15	CLINCH R 16	CLINCH R 17	CLINCH R 18	ROCKP_KP 19	ROCKP_KP 20	CSVL 1-4 21
YEAR 2011			0	0	0	0	0	0	0
YEAR 2012			0	0	0	0	0	0	0
YEAR 2013			0	0	0	0	0	0	0
YEAR 2014			0	0	0	0	0	0	0
YEAR 2015			0	0	0	0	0	0	0
YEAR 2016			0	0	0	0	0	0	0
YEAR 2017			0	0	0	0	0	0	0
YEAR 2018			0	0	0	0	0	0	0
YEAR 2019			0	0	0	0	0	0	0
YEAR 2020			0	0	0	0	0	0	0
YEAR 2021			0	0	0	0	0	0	0
YEAR 2022			0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

-----	YEAR 2023	-----	YEAR 2024	-----	YEAR 2025	-----	YEAR 2026	-----	YEAR 2027	-----	YEAR 2028	-----	YEAR 2029	-----	YEAR 2030	-----	YEAR 2031	-----	YEAR 2032	-----	YEAR 2033	-----	YEAR 2034	-----	YEAR 2035	-----	YEAR 2036	-----	YEAR 2037	-----	YEAR 2038	-----	YEAR 2039	-----	YEAR 2040
-----	YEAR 2023	-----	YEAR 2024	-----	YEAR 2025	-----	YEAR 2026	-----	YEAR 2027	-----	YEAR 2028	-----	YEAR 2029	-----	YEAR 2030	-----	YEAR 2031	-----	YEAR 2032	-----	YEAR 2033	-----	YEAR 2034	-----	YEAR 2035	-----	YEAR 2036	-----	YEAR 2037	-----	YEAR 2038	-----	YEAR 2039	-----	YEAR 2040
-----	CLIFTY	-----	CLINCH R	-----	CLINCH R	-----	CLINCH R	-----	CLINCH R	-----	CLINCH R	-----	ROCKP_KP	-----	ROCKP_KP	-----	ROCKP_KP	-----	ROCKP_KP	-----	ROCKP_KP	-----	ROCKP_KP	-----	ROCKP_KP	-----	ROCKP_KP	-----	ROCKP_KP	-----	ROCKP_KP	-----	ROCKP_KP	-----	ROCKP_KP
-----	15	-----	16	-----	17	-----	18	-----	19	-----	20	-----	21	-----	22	-----	23	-----	24	-----	25	-----	26	-----	27	-----	28	-----	29	-----	30	-----	31	-----	32
-----	6	-----	1	-----	2	-----	3	-----	1	-----	2	-----	3	-----	1	-----	2	-----	1	-----	1	-----	1	-----	1	-----	1	-----	1	-----	1	-----	1	-----	1
-----	CSVL 1-4	-----	CSVL 5+6	-----	CSVL 5+6	-----	D C COOK	-----	D C COOK	-----	GAVIN	-----	GAVIN	-----	GAVIN	-----	GAVIN	-----	GAVIN	-----	GAVIN	-----	GAVIN	-----	GAVIN	-----	GAVIN	-----	GAVIN	-----	GAVIN	-----	GAVIN	-----	GAVIN
-----	4	-----	5	-----	6	-----	1	-----	2	-----	1	-----	2	-----	1	-----	1	-----	1	-----	1	-----	1	-----	1	-----	1	-----	1	-----	1	-----	1	-----	1
-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0

-----	YEAR 2011	-----	YEAR 2012	-----	YEAR 2013	-----	YEAR 2014	-----	YEAR 2015	-----	YEAR 2016	-----	YEAR 2017	-----	YEAR 2018	-----	YEAR 2019	-----	YEAR 2020	-----	YEAR 2021	-----	YEAR 2022	-----	YEAR 2023	-----	YEAR 2024	-----	YEAR 2025	-----	YEAR 2026	-----	YEAR 2027	-----	YEAR 2028	-----	YEAR 2029	-----	YEAR 2030	-----	YEAR 2031	-----	YEAR 2032	-----	YEAR 2033	-----	YEAR 2034	-----	YEAR 2035	-----	YEAR 2036
-----	YEAR 2011	-----	YEAR 2012	-----	YEAR 2013	-----	YEAR 2014	-----	YEAR 2015	-----	YEAR 2016	-----	YEAR 2017	-----	YEAR 2018	-----	YEAR 2019	-----	YEAR 2020	-----	YEAR 2021	-----	YEAR 2022	-----	YEAR 2023	-----	YEAR 2024	-----	YEAR 2025	-----	YEAR 2026	-----	YEAR 2027	-----	YEAR 2028	-----	YEAR 2029	-----	YEAR 2030	-----	YEAR 2031	-----	YEAR 2032	-----	YEAR 2033	-----	YEAR 2034	-----	YEAR 2035	-----	YEAR 2036
-----	SEASONAL HEAT RATE PROFILE	-----	SEASONAL HEAT RATE PROFILE	-----	SEASONAL HEAT RATE PROFILE	-----	SEASONAL HEAT RATE PROFILE	-----	SEASONAL HEAT RATE PROFILE	-----	SEASONAL HEAT RATE PROFILE	-----	SEASONAL HEAT RATE PROFILE	-----	SEASONAL HEAT RATE PROFILE	-----	SEASONAL HEAT RATE PROFILE	-----	SEASONAL HEAT RATE PROFILE	-----	SEASONAL HEAT RATE PROFILE	-----	SEASONAL HEAT RATE PROFILE	-----	SEASONAL HEAT RATE PROFILE	-----	SEASONAL HEAT RATE PROFILE	-----	SEASONAL HEAT RATE PROFILE	-----	SEASONAL HEAT RATE PROFILE	-----	SEASONAL HEAT RATE PROFILE	-----	SEASONAL HEAT RATE PROFILE	-----	SEASONAL HEAT RATE PROFILE	-----	SEASONAL HEAT RATE PROFILE	-----	SEASONAL HEAT RATE PROFILE	-----	SEASONAL HEAT RATE PROFILE	-----	SEASONAL HEAT RATE PROFILE	-----	SEASONAL HEAT RATE PROFILE	-----	SEASONAL HEAT RATE PROFILE	-----	SEASONAL HEAT RATE PROFILE
-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0

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----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

=====
THERMAL UNIT          SEASON 1  JANUARY
=====
SEASONAL HEAT RATE PROFILE
----- YEAR 2011 -----
SEASONAL HEAT RATE PROFILE
----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----

```

Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THermal UNIT	SEASON	1	JANUARY	29	30	33	34	35	36	37
				GLEN LYN	GLEN LYN	KAMMER	KAMMER	KAMMER	KANAWHA	KANAWHA
				5	6	1	2	3	1	2
-----	YEAR 2035	-----								
-----	YEAR 2036	-----								
-----	YEAR 2037	-----								
-----	YEAR 2038	-----								
-----	YEAR 2039	-----								
-----	YEAR 2040	-----								

THermal UNIT	SEASON	1	JANUARY	38	39	40	41	42	43	44
				KYGER	KYGER	KYGER	KYGER	KYGER	MITCHELL	MITCHELL
				1	2	3	4	5	1	2
-----	YEAR 2011	-----								
-----	YEAR 2012	-----								
-----	YEAR 2013	-----								
-----	YEAR 2014	-----								
-----	YEAR 2015	-----								
-----	YEAR 2016	-----								
-----	YEAR 2017	-----								
-----	YEAR 2018	-----								
-----	YEAR 2019	-----								
-----	YEAR 2020	-----								
-----	YEAR 2021	-----								
-----	YEAR 2022	-----								
-----	YEAR 2023	-----								
-----	YEAR 2024	-----								
-----	YEAR 2025	-----								
-----	YEAR 2026	-----								
-----	YEAR 2027	-----								
-----	YEAR 2028	-----								
-----	YEAR 2029	-----								
-----	YEAR 2030	-----								
-----	YEAR 2031	-----								
-----	YEAR 2032	-----								
-----	YEAR 2033	-----								
-----	YEAR 2034	-----								
-----	YEAR 2035	-----								
-----	YEAR 2036	-----								
-----	YEAR 2037	-----								
-----	YEAR 2038	-----								
-----	YEAR 2039	-----								
-----	YEAR 2040	-----								

THermal UNIT	SEASON	1	JANUARY	45	46	47	48	49	50	51
				MOUNT_ER	MUSK RVR	MUSK RVR	MUSK RVR	MUSK RVR	MUSK RVR	P SPORN
				1	1	2	3	4	5	1
-----	YEAR 2011	-----								
-----	YEAR 2012	-----								
-----	YEAR 2013	-----								
-----	YEAR 2014	-----								
-----	SEASONAL HEAT RATE PROFILE	-----		150	0	0	0	0	0	0

4-Company East Optimization

SEASONAL HEAT RATE PROFILE	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012
SEASONAL HEAT RATE PROFILE	0	0

THEMAL UNIT	SEASON 1	JANUARY
P SPORN 52	2	0
P SPORN 53	3	0
P SPORN 54	4	0
P SPORN 55	5	0
PICWAY 56	5	0
RPRRT_IM 57	1	0
RPRUN_IM 58	1	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 1	JANUARY	ROCKP_IM 2	STUART 1	STUART 2	STUART 3	STUART 4	AMOS_AP 3	TANN 1-3 1
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT SEASON 1 JANUARY

SEASONAL HEAT RATE PROFILE	ROCKP_IM 2	STUART 1	STUART 2	STUART 3	STUART 4	AMOS_AP 3	TANN 1-3 1
YEAR 2011	0	0	0	0	0	0	0
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							

-----	YEAR 2027	-----								
-----	YEAR 2028	-----								
-----	YEAR 2029	-----								
-----	YEAR 2030	-----								
-----	YEAR 2031	-----								
-----	YEAR 2032	-----								
-----	YEAR 2033	-----								
-----	YEAR 2034	-----								
-----	YEAR 2035	-----								
-----	YEAR 2036	-----								
-----	YEAR 2037	-----								
-----	YEAR 2038	-----								
-----	YEAR 2039	-----								
-----	YEAR 2040	-----								
-----	-----	-----								
-----	SEASON 1	JANUARY	-----							
-----	-----	-----								
-----	YEAR 2011	-----	67	68	69	70	71	72	73	
-----	SEASONAL HEAT RATE PROFILE	-----	TANN 1-3	TANN 1-3	TANN 4	ZIMMER 1	ROBTWONE 1	ROBTWONE 2	ROBTWONE 3	
-----	YEAR 2012	-----	2	3	4	1	1	2	3	
-----	YEAR 2013	-----	0	0	0	0	164	164	164	
-----	YEAR 2014	-----								
-----	YEAR 2015	-----								
-----	YEAR 2016	-----								
-----	YEAR 2017	-----								
-----	YEAR 2018	-----								
-----	YEAR 2019	-----								
-----	YEAR 2020	-----								
-----	YEAR 2021	-----								
-----	YEAR 2022	-----								
-----	YEAR 2023	-----								
-----	YEAR 2024	-----								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 1	JANUARY	67	68	69	70	71	72	73
			TANN 1-3 2	TANN 1-3 3	TANN 4 4	ZIMMER 1	ROBTMONE 1	ROBTMONE 2	ROBTMONE 3
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT	SEASON 1	JANUARY	75	76	77	78	79	80	81
			CEREDO 1	CEREDO 2	CEREDO 3	CEREDO 4	CEREDO 5	CEREDO 6	DARBY 1
YEAR 2011			0	0	0	0	0	0	0
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THEMAL UNIT	SEASON	1	JANUARY	82	83	84	85	86	87	88				
	DARBY	2	DARBY	3	DARBY	4	DARBY	5	DARBY	6	LMBG WIN	1	LMBG WIN	2
YEAR 2037														
YEAR 2038														
YEAR 2039														
YEAR 2040														

THEMAL UNIT	SEASON	1	JANUARY	89	90	91	92	93	94	101				
	LMBG SMR	1	LMBG SMR	2	WATR CC	1	WATR2	1	DRESIDN	1	DRESID2	1	NUCLEAR	1
YEAR 2011														
SEASONAL HEAT RATE PROFILE														
YEAR 2012														
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														
YEAR 2018														
YEAR 2019														
YEAR 2020														
YEAR 2021														
YEAR 2022														
YEAR 2023														
YEAR 2024														
YEAR 2025														
YEAR 2026														
YEAR 2027														
YEAR 2028														
YEAR 2029														
YEAR 2030														
YEAR 2031														
YEAR 2032														
YEAR 2033														
YEAR 2034														
YEAR 2035														
YEAR 2036														
YEAR 2037														
YEAR 2038														
YEAR 2039														
YEAR 2040														

THEMAL UNIT	SEASON	1	JANUARY	102	103	104	105	106	107	108
-------------	--------	---	---------	-----	-----	-----	-----	-----	-----	-----

	UPC_NCCS	1	PC_UL_SU	1	UPC_RCCS	1	IGC_NCCS	1	IGCC GE	1	IGC_RCCS	1	CC 2X1FB	1
YEAR 2011														
SEASONAL HEAT RATE PROFILE														
YEAR 2012														
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														

----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

THRMAL UNIT	SEASON 1	JANUARY	-----	-----	-----	-----	-----	-----
		109	110	111	114	115	124	125
		CC 2x1FA	CC 1x17H	BS2_CC	CT GE7FA	CT_GE7FA	BS2_FGD	BS1_FGD
		1	1	1	1	1	2	1
SEASONAL HEAT RATE PROFILE		0	0	183	0	0	0	0
----- YEAR 2011 -----								
----- YEAR 2012 -----								
----- YEAR 2013 -----								
----- YEAR 2014 -----								
----- YEAR 2015 -----								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	1	JANUARY	109	110	111	114	115	124	125
				CC 2x1FA	CC 1x17H	BS2_CC	CF GE7FA	CT_GE7FA	BS2_FGD	BS1_FGD
YEAR 2016				1	1	1	1	1	2	1
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THERMAL UNIT	SEASON	1	JANUARY	126	127	129	130	131	132	133
				CSV5_SCR	CSV6_SCR	CR1_NGCC	CR2_NGCC	MRS_NGCC	MRS_FGD	REID_TM
YEAR 2011				5	6	1	2	5	5	1
YEAR 2012				0	0	0	0	0	0	0
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										

YEAR	HEAT RATE	PROFITE	SEASON	1	JANUARY	134	135	136	137	144	145	146
SEASONAL	HEAT RATE	PROFITE	RP2D_IM	TAN4_FGD	RPID_KP	RP2D_KP	TC4_ESP	A390%AP	A390%OP			
YEAR 2030			2	4	1	2	4	3	3			
YEAR 2031			0	0	0	0	0	0	0			
YEAR 2032												
YEAR 2033												
YEAR 2034												
YEAR 2035												
YEAR 2036												
YEAR 2037												
YEAR 2038												
YEAR 2039												
YEAR 2040												
=====												
THEMAL UNIT												
SEASONAL HEAT RATE												
YEAR 2011			0	0	0	0	0	0	0			
YEAR 2012												
YEAR 2013												
YEAR 2014												
YEAR 2015												
YEAR 2016												
YEAR 2017												
YEAR 2018												
YEAR 2019												
YEAR 2020												
YEAR 2021												
YEAR 2022												
YEAR 2023												
YEAR 2024												
YEAR 2025												
YEAR 2026												
YEAR 2027												

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 1	JANUARY	MTM_90%	RPT1_90%	RPT2_90%	GV1_90%	GV2_90%	MTM_18%	CC_FA_KP
YEAR 2028	134	135	147	148	149	150	151	153	154
YEAR 2029	134	135	147	148	149	150	151	153	154
YEAR 2030	134	135	147	148	149	150	151	153	154
YEAR 2031	134	135	147	148	149	150	151	153	154
YEAR 2032	134	135	147	148	149	150	151	153	154
YEAR 2033	134	135	147	148	149	150	151	153	154
YEAR 2034	134	135	147	148	149	150	151	153	154
YEAR 2035	134	135	147	148	149	150	151	153	154
YEAR 2036	134	135	147	148	149	150	151	153	154
YEAR 2037	134	135	147	148	149	150	151	153	154
YEAR 2038	134	135	147	148	149	150	151	153	154
YEAR 2039	134	135	147	148	149	150	151	153	154
YEAR 2040	134	135	147	148	149	150	151	153	154
SEASONAL HEAT RATE PROFILE	134	135	147	148	149	150	151	153	154
YEAR 2011	0	0	0	0	0	0	0	0	0
YEAR 2012	0	0	0	0	0	0	0	0	0
YEAR 2013	0	0	0	0	0	0	0	0	0
YEAR 2014	150	0	0	0	0	0	0	150	0
SEASONAL HEAT RATE PROFILE	150	0	0	0	0	0	0	150	0
YEAR 2015	0	0	0	0	0	0	0	0	0
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0
YEAR 2016	0	0	0	0	0	0	0	0	0
YEAR 2017	0	0	0	0	0	0	0	0	0
YEAR 2018	0	0	0	0	0	0	0	0	0
YEAR 2019	0	0	0	0	0	0	0	0	0
YEAR 2020	0	0	0	0	0	0	0	0	0
YEAR 2021	0	0	0	0	0	0	0	0	0
YEAR 2022	0	0	0	0	0	0	0	0	0
YEAR 2023	0	0	0	0	0	0	0	0	0
YEAR 2024	0	0	0	0	0	0	0	0	0
YEAR 2025	0	0	0	0	0	0	0	0	0
YEAR 2026	0	0	0	0	0	0	0	0	0
YEAR 2027	0	0	0	0	0	0	0	0	0
YEAR 2028	0	0	0	0	0	0	0	0	0
YEAR 2029	0	0	0	0	0	0	0	0	0
YEAR 2030	0	0	0	0	0	0	0	0	0
YEAR 2031	0	0	0	0	0	0	0	0	0
YEAR 2032	0	0	0	0	0	0	0	0	0
YEAR 2033	0	0	0	0	0	0	0	0	0
YEAR 2034	0	0	0	0	0	0	0	0	0
YEAR 2035	0	0	0	0	0	0	0	0	0
YEAR 2036	0	0	0	0	0	0	0	0	0
YEAR 2037	0	0	0	0	0	0	0	0	0
YEAR 2038	0	0	0	0	0	0	0	0	0
YEAR 2039	0	0	0	0	0	0	0	0	0
YEAR 2040	0	0	0	0	0	0	0	0	0

4-Company East Optimization

SEASONAL HEAT RATE PROFILE	SEASON 1	JANUARY	155	156	157	158	159	160	161
YEAR	UNIT	CT_OHIO	CC_OH	CT_I&M	CC_I&M	CT_ARCO	CC_ARCO	CT_KPCO	
YEAR 2011		1	0	0	0	0	0	0	
YEAR 2012		1	0	0	0	0	0	0	
YEAR 2013		1	0	0	0	0	0	0	
YEAR 2014		1	0	0	0	0	0	0	
YEAR 2015		1	0	0	0	0	0	0	
YEAR 2016		1	0	0	0	0	0	0	
YEAR 2017		1	0	0	0	0	0	0	
YEAR 2018		1	0	0	0	0	0	0	
YEAR 2019		1	0	0	0	0	0	0	
YEAR 2020		1	0	0	0	0	0	0	
YEAR 2021		1	0	0	0	0	0	0	
YEAR 2022		1	0	0	0	0	0	0	
YEAR 2023		1	0	0	0	0	0	0	
YEAR 2024		1	0	0	0	0	0	0	
YEAR 2025		1	0	0	0	0	0	0	
YEAR 2026		1	0	0	0	0	0	0	
YEAR 2027		1	0	0	0	0	0	0	
YEAR 2028		1	0	0	0	0	0	0	
YEAR 2029		1	0	0	0	0	0	0	
YEAR 2030		1	0	0	0	0	0	0	
YEAR 2031		1	0	0	0	0	0	0	
YEAR 2032		1	0	0	0	0	0	0	
YEAR 2033		1	0	0	0	0	0	0	
YEAR 2034		1	0	0	0	0	0	0	
YEAR 2035		1	0	0	0	0	0	0	
YEAR 2036		1	0	0	0	0	0	0	
YEAR 2037		1	0	0	0	0	0	0	
YEAR 2038		1	0	0	0	0	0	0	

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 1	JANUARY
CT_OHIO	155	1
CC_OH	156	1
CT_1&M	157	1
CC_1&M	158	1
CT_APCO	159	1
CC_APCO	160	1
CT_KPCO	161	1
YEAR 2039		
YEAR 2040		

THERMAL UNIT	SEASON 1	JANUARY
CC_KPCO	162	1
BS2_FGD	163	1
BS2_FGD	164	5
BS2_FGD	165	22
BS2_FGD	166	23
IGCC_AP	168	1
PC_UL_AP	169	1

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

THERMAL UNIT	SEASON 1	JANUARY
NUKE_AP	170	1
IGCC_IM	171	1
PC_UL_IM	172	1
NUKE_IM	173	1
IGCC_KP	174	1
PC_UL_KP	175	1
NUKE_KP	176	1

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0

YEAR	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
SEASONAL HEAT RATE PROFILE																					
YEAR 2011																					
YEAR 2012																					
YEAR 2013																					
YEAR 2014																					
YEAR 2015																					
YEAR 2016																					
YEAR 2017																					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THEMAL UNIT	SEASON	1	JANUARY	186	187	188	189	190	191	223
				RP1TR_1M	RP2TR_1M	RP1TR_KP	RP2TR_KP	T4_TROWA	T4_TRCCR	MR_STKRI
YEAR 2018				0	0	0	0	0	0	0
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THEMAL UNIT SEASON 1 JANUARY

SEASONAL HEAT RATE PROFILE	186	187	188	189	190	191	223
	RP1TR_1M	RP2TR_1M	RP1TR_KP	RP2TR_KP	T4_TROWA	T4_TRCCR	MR_STKRI
YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							

YEAR	HEAT RATE	PROFIT	MR_STRK2	AMS3_SI	BS2_SI	MRS_CF	MRS_SI	RP11_CF	RP12_CF
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									
=====									
HEAT RATE	PROFIT	MR_STRK2	AMS3_SI	BS2_SI	MRS_CF	MRS_SI	RP11_CF	RP12_CF	
YEAR 2011		224	228	229	230	231	232	233	
YEAR 2012		1	3	2	5	5	1	2	
YEAR 2013		0	0	0	0	0	0	0	
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	1	JANUARY	224	228	229	230	231	232	233
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THERMAL UNIT	SEASON	1	JANUARY	234	235	251	252	253	254	255
YEAR 2011										
YEAR 2012										
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THERMAL UNIT	SEASON	1	JANUARY	257	258	259	260	269	270	271
YEAR 2011										

4-Company East Optimization

SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0
----- YEAR 2012 -----						
----- YEAR 2013 -----						
----- YEAR 2014 -----						
----- YEAR 2015 -----						
----- YEAR 2016 -----						
----- YEAR 2017 -----						
----- YEAR 2018 -----						
----- YEAR 2019 -----						
----- YEAR 2020 -----						
----- YEAR 2021 -----						
----- YEAR 2022 -----						
----- YEAR 2023 -----						
----- YEAR 2024 -----						
----- YEAR 2025 -----						
----- YEAR 2026 -----						
----- YEAR 2027 -----						
----- YEAR 2028 -----						
----- YEAR 2029 -----						
----- YEAR 2030 -----						
----- YEAR 2031 -----						
----- YEAR 2032 -----						
----- YEAR 2033 -----						
----- YEAR 2034 -----						
----- YEAR 2035 -----						
----- YEAR 2036 -----						
----- YEAR 2037 -----						
----- YEAR 2038 -----						
----- YEAR 2039 -----						
----- YEAR 2040 -----						

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

-----	YEAR 2011	-----	YEAR 2012	-----	YEAR 2013	-----	YEAR 2014	-----	YEAR 2015	-----	YEAR 2016	-----	YEAR 2017	-----	YEAR 2018	-----	YEAR 2019	-----	YEAR 2020	-----	YEAR 2021	-----	YEAR 2022	-----	YEAR 2023	-----	YEAR 2024
SEASONAL HEAT RATE PROFILE	0		0		0		0		0		0		0		0		0		0		0		0		0		0
-----	272		273		274		275		276		277		278		279		280		281		282		283		284		285
-----	CLN_Q_15		CLN_Q_HM		CLN_Q_15		CLN_Q_HM		CLN_Q_15		CVL_3_HM		CVL_3_10		CLN_Q_15		CLN_Q_15		CLN_Q_15		CLN_Q_15		KMR_F_HM		KMR_F_GP		KMR_F_HM
-----	1		2		2		3		3		3		3		1		1		6		6		1		1		2
-----	279		280		281		282		283		284		285		283		284		281		282		283		284		285
-----	GIN_5_HM		GIN_5_15		GIN_6_HM		GIN_6_15		KMR_F_HM		KMR_F_GP		KMR_F_HM		GIN_5_HM		GIN_5_15		GIN_6_HM		GIN_6_15		KMR_F_HM		KMR_F_GP		KMR_F_HM
-----	5		5		6		6		1		1		1		5		5		6		6		1		1		2
-----	0		0		0		0		0		0		0		0		0		0		0		0		0		0
-----	YEAR 2011		YEAR 2012		YEAR 2013		YEAR 2014		YEAR 2015		YEAR 2016		YEAR 2017		YEAR 2018		YEAR 2019		YEAR 2020		YEAR 2021		YEAR 2022		YEAR 2023		YEAR 2024
-----	SEASONAL HEAT RATE PROFILE		SEASONAL HEAT RATE PROFILE		SEASONAL HEAT RATE PROFILE		SEASONAL HEAT RATE PROFILE		SEASONAL HEAT RATE PROFILE		SEASONAL HEAT RATE PROFILE		SEASONAL HEAT RATE PROFILE		SEASONAL HEAT RATE PROFILE		SEASONAL HEAT RATE PROFILE		SEASONAL HEAT RATE PROFILE		SEASONAL HEAT RATE PROFILE		SEASONAL HEAT RATE PROFILE		SEASONAL HEAT RATE PROFILE		SEASONAL HEAT RATE PROFILE
-----	279		280		281		282		283		284		285		283		284		281		282		283		284		285
-----	GIN_5_HM		GIN_5_15		GIN_6_HM		GIN_6_15		KMR_F_HM		KMR_F_GP		KMR_F_HM		GIN_5_HM		GIN_5_15		GIN_6_HM		GIN_6_15		KMR_F_HM		KMR_F_GP		KMR_F_HM
-----	5		5		6		6		1		1		1		5		5		6		6		1		1		2
-----	0		0		0		0		0		0		0		0		0		0		0		0		0		0

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 1	JANUARY	SEASON 1	JANUARY	SEASON 1	JANUARY	SEASON 1	JANUARY	SEASON 1	JANUARY
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THERMAL UNIT	SEASON 1	JANUARY	SEASON 1	JANUARY	SEASON 1	JANUARY	SEASON 1	JANUARY	SEASON 1	JANUARY
YEAR 2011										
YEAR 2012										
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										

YEAR	2037	2038	2039	2040
YEAR 2011	300	301	302	303
YEAR 2012	300	301	302	303
YEAR 2013	300	301	302	303
YEAR 2014	300	301	302	303
YEAR 2015	300	301	302	303
YEAR 2016	300	301	302	303
YEAR 2017	300	301	302	303
YEAR 2018	300	301	302	303
YEAR 2019	300	301	302	303
YEAR 2020	300	301	302	303
YEAR 2021	300	301	302	303
YEAR 2022	300	301	302	303
YEAR 2023	300	301	302	303
YEAR 2024	300	301	302	303
YEAR 2025	300	301	302	303
YEAR 2026	300	301	302	303
YEAR 2027	300	301	302	303
YEAR 2028	300	301	302	303
YEAR 2029	300	301	302	303
YEAR 2030	300	301	302	303
YEAR 2031	300	301	302	303
YEAR 2032	300	301	302	303
YEAR 2033	300	301	302	303
YEAR 2034	300	301	302	303

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 1	JANUARY	500 DUMMY_OP 0	501 DUMMY_IA 0	502 DUMMY_AP 0	503 DUMMY_KP 0	958 CC_KPOD 958	959 RP2D_KP 959	960 RS2D_IV 960
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YEAR 2014	---	---	---	---	---	---	---	---	---
YEAR 2015	---	---	---	---	---	---	---	---	---
YEAR 2016	---	---	---	---	---	---	---	---	---
YEAR 2017	---	---	---	---	---	---	---	---	---
YEAR 2018	---	---	---	---	---	---	---	---	---
YEAR 2019	---	---	---	---	---	---	---	---	---
YEAR 2020	---	---	---	---	---	---	---	---	---
YEAR 2021	---	---	---	---	---	---	---	---	---
YEAR 2022	---	---	---	---	---	---	---	---	---
YEAR 2023	---	---	---	---	---	---	---	---	---
YEAR 2024	---	---	---	---	---	---	---	---	---
YEAR 2025	---	---	---	---	---	---	---	---	---
YEAR 2026	---	---	---	---	---	---	---	---	---
YEAR 2027	---	---	---	---	---	---	---	---	---
YEAR 2028	---	---	---	---	---	---	---	---	---
YEAR 2029	---	---	---	---	---	---	---	---	---
YEAR 2030	---	---	---	---	---	---	---	---	---
YEAR 2031	---	---	---	---	---	---	---	---	---
YEAR 2032	---	---	---	---	---	---	---	---	---
YEAR 2033	---	---	---	---	---	---	---	---	---
YEAR 2034	---	---	---	---	---	---	---	---	---
YEAR 2035	---	---	---	---	---	---	---	---	---
YEAR 2036	---	---	---	---	---	---	---	---	---
YEAR 2037	---	---	---	---	---	---	---	---	---
YEAR 2038	---	---	---	---	---	---	---	---	---
YEAR 2039	---	---	---	---	---	---	---	---	---
YEAR 2040	---	---	---	---	---	---	---	---	---

THERMAL UNIT	SEASON 1	JANUARY	961 CSV6_SCR 961	962 CSV5_SCR 962	963 DUMMY_OP 963	964 DUMMY_OP 964	965 RP1D_03 965	966 RP1D_KP 966	967 BS2_FSD 967
--------------	----------	---------	------------------------	------------------------	------------------------	------------------------	-----------------------	-----------------------	-----------------------

YEAR 2011	---	---	---	---	---	---	---	---	---
YEAR 2012	---	---	---	---	---	---	---	---	---
YEAR 2013	---	---	---	---	---	---	---	---	---
YEAR 2014	---	---	---	---	---	---	---	---	---
YEAR 2015	---	---	---	---	---	---	---	---	---
YEAR 2016	---	---	---	---	---	---	---	---	---
YEAR 2017	---	---	---	---	---	---	---	---	---
YEAR 2018	---	---	---	---	---	---	---	---	---
YEAR 2019	---	---	---	---	---	---	---	---	---
YEAR 2020	---	---	---	---	---	---	---	---	---
YEAR 2021	---	---	---	---	---	---	---	---	---
YEAR 2022	---	---	---	---	---	---	---	---	---
YEAR 2023	---	---	---	---	---	---	---	---	---
YEAR 2024	---	---	---	---	---	---	---	---	---
YEAR 2025	---	---	---	---	---	---	---	---	---
YEAR 2026	---	---	---	---	---	---	---	---	---
YEAR 2027	---	---	---	---	---	---	---	---	---

YEAR	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2011	968	969	970	971	972	973	974						
YEAR 2012	968	969	970	971	972	973	974						
YEAR 2013													
YEAR 2014													
YEAR 2015													
YEAR 2016													
YEAR 2017													
YEAR 2018													
YEAR 2019													
YEAR 2020													
YEAR 2021													
YEAR 2022													
YEAR 2023													
YEAR 2024													
YEAR 2025													

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 1	JANUARY	SEASON 1	JANUARY	SEASON 1	JANUARY	SEASON 1	JANUARY	SEASON 1	JANUARY
YEAR 2026	968	969	970	971	972	973	974	975	976	977
YEAR 2027	968	969	970	971	972	973	974	975	976	977
YEAR 2028	968	969	970	971	972	973	974	975	976	977
YEAR 2029	968	969	970	971	972	973	974	975	976	977
YEAR 2030	968	969	970	971	972	973	974	975	976	977
YEAR 2031	968	969	970	971	972	973	974	975	976	977
YEAR 2032	968	969	970	971	972	973	974	975	976	977
YEAR 2033	968	969	970	971	972	973	974	975	976	977
YEAR 2034	968	969	970	971	972	973	974	975	976	977
YEAR 2035	968	969	970	971	972	973	974	975	976	977
YEAR 2036	968	969	970	971	972	973	974	975	976	977
YEAR 2037	968	969	970	971	972	973	974	975	976	977
YEAR 2038	968	969	970	971	972	973	974	975	976	977
YEAR 2039	968	969	970	971	972	973	974	975	976	977
YEAR 2040	968	969	970	971	972	973	974	975	976	977

THERMAL UNIT	SEASON 1	JANUARY	SEASON 1	JANUARY	SEASON 1	JANUARY	SEASON 1	JANUARY	SEASON 1	JANUARY
YEAR 2011	975	976	977	978	979	980	981	982	983	984
YEAR 2012	975	976	977	978	979	980	981	982	983	984
YEAR 2013	975	976	977	978	979	980	981	982	983	984
YEAR 2014	975	976	977	978	979	980	981	982	983	984
YEAR 2015	975	976	977	978	979	980	981	982	983	984
YEAR 2016	975	976	977	978	979	980	981	982	983	984
YEAR 2017	975	976	977	978	979	980	981	982	983	984
YEAR 2018	975	976	977	978	979	980	981	982	983	984
YEAR 2019	975	976	977	978	979	980	981	982	983	984
YEAR 2020	975	976	977	978	979	980	981	982	983	984
YEAR 2021	975	976	977	978	979	980	981	982	983	984
YEAR 2022	975	976	977	978	979	980	981	982	983	984
YEAR 2023	975	976	977	978	979	980	981	982	983	984
YEAR 2024	975	976	977	978	979	980	981	982	983	984
YEAR 2025	975	976	977	978	979	980	981	982	983	984
YEAR 2026	975	976	977	978	979	980	981	982	983	984
YEAR 2027	975	976	977	978	979	980	981	982	983	984
YEAR 2028	975	976	977	978	979	980	981	982	983	984
YEAR 2029	975	976	977	978	979	980	981	982	983	984
YEAR 2030	975	976	977	978	979	980	981	982	983	984
YEAR 2031	975	976	977	978	979	980	981	982	983	984
YEAR 2032	975	976	977	978	979	980	981	982	983	984
YEAR 2033	975	976	977	978	979	980	981	982	983	984
YEAR 2034	975	976	977	978	979	980	981	982	983	984
YEAR 2035	975	976	977	978	979	980	981	982	983	984
YEAR 2036	975	976	977	978	979	980	981	982	983	984
YEAR 2037	975	976	977	978	979	980	981	982	983	984
YEAR 2038	975	976	977	978	979	980	981	982	983	984
YEAR 2039	975	976	977	978	979	980	981	982	983	984

YEAR 2040	SEASON 1	JANUARY	982	983	984	985	986	987	988
SEASONAL HEAT RATE PROFILE	DUMMY OP	DUMMY OP	DUMMY OP	DUMMY OP	DUMMY OP	DUMMY OP	DUMMY OP	DUMMY OP	DUMMY OP
YEAR 2011			0	0	0	0	0	0	0
YEAR 2012			982	983	984	985	986	987	988
YEAR 2013			982	983	984	985	986	987	988
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUADRIPLIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		SEASON 1 JANUARY									
YEAR 2038		982	983	984	985	986	987	988			
YEAR 2039		982	983	984	985	986	987	988			
YEAR 2040		982	983	984	985	986	987	988			

THERMAL UNIT		SEASON 1 JANUARY									
YEAR 2011		989	990	991	992	993	994	995			
YEAR 2012		989	990	991	992	993	994	995			
YEAR 2013		989	990	991	992	993	994	995			
YEAR 2014		989	990	991	992	993	994	995			
YEAR 2015		989	990	991	992	993	994	995			
YEAR 2016		989	990	991	992	993	994	995			
YEAR 2017		989	990	991	992	993	994	995			
YEAR 2018		989	990	991	992	993	994	995			
YEAR 2019		989	990	991	992	993	994	995			
YEAR 2020		989	990	991	992	993	994	995			
YEAR 2021		989	990	991	992	993	994	995			
YEAR 2022		989	990	991	992	993	994	995			
YEAR 2023		989	990	991	992	993	994	995			
YEAR 2024		989	990	991	992	993	994	995			
YEAR 2025		989	990	991	992	993	994	995			
YEAR 2026		989	990	991	992	993	994	995			
YEAR 2027		989	990	991	992	993	994	995			
YEAR 2028		989	990	991	992	993	994	995			
YEAR 2029		989	990	991	992	993	994	995			
YEAR 2030		989	990	991	992	993	994	995			
YEAR 2031		989	990	991	992	993	994	995			
YEAR 2032		989	990	991	992	993	994	995			
YEAR 2033		989	990	991	992	993	994	995			
YEAR 2034		989	990	991	992	993	994	995			
YEAR 2035		989	990	991	992	993	994	995			
YEAR 2036		989	990	991	992	993	994	995			
YEAR 2037		989	990	991	992	993	994	995			
YEAR 2038		989	990	991	992	993	994	995			
YEAR 2039		989	990	991	992	993	994	995			
YEAR 2040		989	990	991	992	993	994	995			

THERMAL UNIT	SEASON 1 JANUARY
T4_TRONA	996
RE2TR_KP	997
RE2TR_TM	998
DUMMY_OP	999
T4_TRONA	996
RE2TR_KP	997
RE2TR_TM	998
DUMMY_OP	999

SEASONAL HEAT RATE PROFILE	SEASON 1 JANUARY
YEAR 2011	0
YEAR 2012	0
YEAR 2013	0
YEAR 2014	0
YEAR 2015	0
YEAR 2016	0
YEAR 2017	0
YEAR 2018	0

YEAR	HEAT RATE	SEASON	2	FEBRUARY	AMOS	1	AMOS	2	AMOS_OP	3	BECKJORD	4	BIG SAND	5	BIG SAND	6	CARD 1+2	7
YEAR 2019																		
YEAR 2020																		
YEAR 2021																		
YEAR 2022																		
YEAR 2023																		
YEAR 2024																		
YEAR 2025																		
YEAR 2026																		
YEAR 2027																		
YEAR 2028																		
YEAR 2029																		
YEAR 2030																		
YEAR 2031																		
YEAR 2032																		
YEAR 2033																		
YEAR 2034																		
YEAR 2035																		
YEAR 2036																		
YEAR 2037																		
YEAR 2038																		
YEAR 2039																		
YEAR 2040																		
THERMAL UNIT	SEASON	2	FEBRUARY	AMOS	1	AMOS	2	AMOS_OP	3	BECKJORD	4	BIG SAND	5	BIG SAND	6	CARD 1+2	7	
SEASONAL HEAT RATE PROFILE					1		2	3		4		5		6		7		
YEAR 2011					1		2	3		4		5		6		7		
YEAR 2012					0		0	0		0		0		0		0		
YEAR 2013																		
YEAR 2014																		
YEAR 2015																		
YEAR 2016																		

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	2	FEBRUARY	8	9	10	11	12	13	14
		AMOS	AMOS	AMOS_OP	BECKJORD	BIG SAND	BIG SAND	CARD 1+2		
		1	2	3	4	5	6	7		
		1	2	3	6	1	2	1		
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THERMAL UNIT SEASON 2 FEBRUARY

CARD 1+2	8	9	10	11	12	13	14
	CARD 2	CARD 3	CLIFFY 1	CLIFFY 2	CLIFFY 3	CLIFFY 4	CLIFFY 5
0	0	0	0	0	0	0	0

SEASONAL HEAT RATE PROFILE

YEAR 2011	0
YEAR 2012	0
YEAR 2013	0
YEAR 2014	0
YEAR 2015	0
YEAR 2016	0
YEAR 2017	0
YEAR 2018	0
YEAR 2019	0
YEAR 2020	0
YEAR 2021	0
YEAR 2022	0
YEAR 2023	0
YEAR 2024	0
YEAR 2025	0
YEAR 2026	0
YEAR 2027	0
YEAR 2028	0
YEAR 2029	0
YEAR 2030	0

YEAR	SEASON	CLIPTY	CLINCH R	CLINCH R	CLINCH R	CLINCH R	ROCKP_KP	ROCKP_KP	CSVL
2031	2 FEBRUARY	15	16	17	18	19	20	21	
YEAR 2031		6	1	2	3	1	2	1-4	
YEAR 2032		0	0	0	0	0	0	3	
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									
THERMAL UNIT									
SEASON 2 FEBRUARY									
SEASONAL HEAT RATE PROFILE									
YEAR 2011		0	0	0	0	0	0	0	
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THEMAL UNIT	SEASON	2	FEBRUARY	15	16	17	18	19	20	21
YEAR 2029				CLIFFY 6	CLINCH R 1	CLINCH R 2	CLINCH R 3	ROCKP_KP 1	ROCKP_KP 2	CSVL 1-4 3
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THEMAL UNIT	SEASON	2	FEBRUARY	22	23	24	25	26	27	28
SEASONAL HEAT RATE PROFILE				CSVL 1-4 4	CSVL 5+6 5	CSVL 5+6 6	D C COOK 1	D C COOK 2	GAVIN 1	GAVIN 2
YEAR 2011				0	0	0	0	0	0	0
YEAR 2012										
SEASONAL HEAT RATE PROFILE				0	0	0	0	0	0	0
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THEMAL UNIT	SEASON	2	FEBRUARY	29	30	33	34	35	36	37
THEMAL UNIT				GLEN LYN 29	GLEN LYN 30	KAMMER 33	KAMMER 34	KAMMER 35	KANAMHA 36	KANAMHA 37

4-Company East Optimization

SEASONAL HEAT RATE PROFILE	5	6	1	2	3	1	2
YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

SEASON	2	FEBRUARY	45	46	47	48	49	50	51
SEASONAL HEAT RATE PROFILE	1	2	3	4	5	1	2	3	4
YEAR 2011	0	0	0	0	0	0	0	0	0
YEAR 2012	0	0	0	0	0	0	0	0	0
YEAR 2013	0	0	0	0	0	0	0	0	0
YEAR 2014	0	0	0	0	0	0	0	0	0
YEAR 2015	0	0	0	0	0	0	0	0	0
YEAR 2016	0	0	0	0	0	0	0	0	0
YEAR 2017	0	0	0	0	0	0	0	0	0
YEAR 2018	0	0	0	0	0	0	0	0	0
YEAR 2019	0	0	0	0	0	0	0	0	0
YEAR 2020	0	0	0	0	0	0	0	0	0
YEAR 2021	0	0	0	0	0	0	0	0	0
YEAR 2022	0	0	0	0	0	0	0	0	0
YEAR 2023	0	0	0	0	0	0	0	0	0
YEAR 2024	0	0	0	0	0	0	0	0	0
YEAR 2025	0	0	0	0	0	0	0	0	0
YEAR 2026	0	0	0	0	0	0	0	0	0
YEAR 2027	0	0	0	0	0	0	0	0	0
YEAR 2028	0	0	0	0	0	0	0	0	0
YEAR 2029	0	0	0	0	0	0	0	0	0
YEAR 2030	0	0	0	0	0	0	0	0	0
YEAR 2031	0	0	0	0	0	0	0	0	0
YEAR 2032	0	0	0	0	0	0	0	0	0
YEAR 2033	0	0	0	0	0	0	0	0	0
YEAR 2034	0	0	0	0	0	0	0	0	0
YEAR 2035	0	0	0	0	0	0	0	0	0
YEAR 2036	0	0	0	0	0	0	0	0	0
YEAR 2037	0	0	0	0	0	0	0	0	0
YEAR 2038	0	0	0	0	0	0	0	0	0
YEAR 2039	0	0	0	0	0	0	0	0	0
YEAR 2040	0	0	0	0	0	0	0	0	0

SEASON 2 FEBRUARY

SEASONAL HEAT RATE PROFILE	45	46	47	48	49	50	51
SEASONAL HEAT RATE PROFILE	1	1	2	3	4	5	1
YEAR 2011	45	46	47	48	49	50	51
YEAR 2012	1	1	2	3	4	5	1

YEAR 2011	45	46	47	48	49	50	51
YEAR 2012	1	1	2	3	4	5	1

YEAR 2013	0	0	0	0	0	0	0
YEAR 2014	150	0	0	0	0	0	0

YEAR 2015	0	0	0	0	0	0	0
YEAR 2016	0	0	0	0	0	0	0

YEAR 2017	0	0	0	0	0	0	0
YEAR 2018	0	0	0	0	0	0	0

YEAR 2019	0	0	0	0	0	0	0
YEAR 2020	0	0	0	0	0	0	0

YEAR 2021	0	0	0	0	0	0	0
YEAR 2022	0	0	0	0	0	0	0

```

----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

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SEASON	2	3	4	5	5	5	1	1
HEAT RATE	SPORN	SPORN	SPORN	SPORN	PICWAY	RPRET_IM	RPRUN_IM	
PROFILE	2	3	4	5	5	1	1	
YEAR 2011	52	53	54	55	56	57	58	
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

SEASON	2	FEBRUARY	52	53	54	55	56	57	58
SPORN	2	3	4	5	PICWAY	5	RPRFT_TM	1	RPRUN_TM
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

SEASON	2	FEBRUARY	59	61	62	63	64	65	66
ROCKP_IM	2	STUART	1	STUART	2	STUART	3	AMOS_AP	3
TANN	1-3	1							1
YEAR 2011									
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									

SEASONAL HEAT RATE PROFILE

YEAR	2035	2036	2037	2038	2039	2040
YEAR 2035	---	---	---	---	---	---
YEAR 2036	---	---	---	---	---	---
YEAR 2037	---	---	---	---	---	---
YEAR 2038	---	---	---	---	---	---
YEAR 2039	---	---	---	---	---	---
YEAR 2040	---	---	---	---	---	---

SEASONAL HEAT RATE PROFILE	TANN 1-3	TANN 1-3	TANN 4	ZIMMER	ROBTWONE 1	ROBTWONE 2	ROBTWONE 3
YEAR 2011	67	68	69	70	71	72	73
YEAR 2012	0	0	0	0	164	164	164
YEAR 2013	2	3	4	1	1	2	3
YEAR 2014	---	---	---	---	---	---	---
YEAR 2015	---	---	---	---	---	---	---
YEAR 2016	---	---	---	---	---	---	---
YEAR 2017	---	---	---	---	---	---	---
YEAR 2018	---	---	---	---	---	---	---
YEAR 2019	---	---	---	---	---	---	---
YEAR 2020	---	---	---	---	---	---	---
YEAR 2021	---	---	---	---	---	---	---
YEAR 2022	---	---	---	---	---	---	---
YEAR 2023	---	---	---	---	---	---	---
YEAR 2024	---	---	---	---	---	---	---
YEAR 2025	---	---	---	---	---	---	---
YEAR 2026	---	---	---	---	---	---	---
YEAR 2027	---	---	---	---	---	---	---
YEAR 2028	---	---	---	---	---	---	---
YEAR 2029	---	---	---	---	---	---	---
YEAR 2030	---	---	---	---	---	---	---
YEAR 2031	---	---	---	---	---	---	---
YEAR 2032	---	---	---	---	---	---	---

NOTE: DATA DISPLAYED AFTER 2011 ONLY. IF VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

-----	YEAR 2012	-----	YEAR 2013	-----	YEAR 2014	-----	YEAR 2015	-----	YEAR 2016	-----	YEAR 2017	-----	YEAR 2018	-----	YEAR 2019	-----	YEAR 2020	-----	YEAR 2021	-----	YEAR 2022	-----	YEAR 2023	-----	YEAR 2024	-----	YEAR 2025	
THERMAL UNIT	-----	SEASON 2 FEBRUARY	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	89		90		91		92		93		94		101															
LMBG SMR	1		2		1		1		1		1		1															
-----	1		2		1		1		1		1		1															
-----	102		103		104		105		106		107		108															
SEASONAL HEAT RATE PROFILE	UPC_NCCS	PC_UL_SU	UPC_RCCS	IGC_NCCS	IGCC GE	IGC_RCCS	CC 2X1FB																					
-----	1	1	1	1	1	1	1																					
-----	0	0	0	0	0	0	0																					

YEAR	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
SEASONAL HEAT RATE PROFILE															
YEAR 2011	0	0	183	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2012															
YEAR 2013															
YEAR 2014															
YEAR 2015															
YEAR 2016															
YEAR 2017															
YEAR 2018															
YEAR 2019															
YEAR 2020															
YEAR 2021															
YEAR 2022															
YEAR 2023															

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	2 FEBRUARY	109	110	111	114	115	124	125
		CC 2x1FA	CC 1x17H	BS2_CC	CT GE7FA	CT_GE7FA	BS2_FGD	BS1_FGD	
YEAR 2024		1	1						
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT	SEASON	2 FEBRUARY	126	127	129	130	131	132	133
		CSV5_SCR	CSV6_SCR	CR1_NGCC	CR2_NGCC	MRS_NGCC	MRS_FGD	RP1D_TM	
YEAR 2011		5	6	1	2	5	5	1	
SEASONAL HEAT RATE PROFILE		0	0	0	0	0	0	0	
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									

YEAR	HEAT RATE PROFILE	134 RP2D_IM 2	135 TAN4_FGD 4	136 RPID_KP 1	137 RP2D_KP 2	144 TC4_ESP 4	145 A3908_AP 3	146 A3908*OP 3
YEAR 2038	-----							
YEAR 2039	-----							
YEAR 2040	-----							

THEMAL UNIT	SEASON	2 FEBRUARY						

SEASONAL HEAT RATE PROFILE	YEAR 2011	0	0	0	0	0	0	0
-----	YEAR 2012							
-----	YEAR 2013							
-----	YEAR 2014							
-----	YEAR 2015							
-----	YEAR 2016							
-----	YEAR 2017							
-----	YEAR 2018							
-----	YEAR 2019							
-----	YEAR 2020							
-----	YEAR 2021							
-----	YEAR 2022							
-----	YEAR 2023							
-----	YEAR 2024							
-----	YEAR 2025							
-----	YEAR 2026							
-----	YEAR 2027							
-----	YEAR 2028							
-----	YEAR 2029							
-----	YEAR 2030							
-----	YEAR 2031							
-----	YEAR 2032							
-----	YEAR 2033							
-----	YEAR 2034							
-----	YEAR 2035							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		SEASON 2 FEBRUARY		THERMAL UNIT		SEASON 2 FEBRUARY		THERMAL UNIT		SEASON 2 FEBRUARY			
YEAR 2036	134	TAN4_FGD	135	RP1D_KP	136	RP2D_KP	137	TC4_ESP	144	A390% AP	145	A390%OP	146
YEAR 2037	134	RP2D_IM	2	RP1D_KP	1	RP2D_KP	2	TC4_ESP	4	A390% AP	3	A390%OP	3
YEAR 2038													
YEAR 2039													
YEAR 2040													

THERMAL UNIT		SEASON 2 FEBRUARY		THERMAL UNIT		SEASON 2 FEBRUARY		THERMAL UNIT		SEASON 2 FEBRUARY			
YEAR 2011	147	RPT1_90%	148	RPT2_90%	149	GV1_90%	150	GV2_90%	151	MTN_18%	153	CC_FA_KP	154
SEASONAL HEAT RATE PROFILE	147	RPT1_90%	1	RPT2_90%	2	GV1_90%	1	GV2_90%	2	MTN_18%	1	CC_FA_KP	1
YEAR 2012	0		0		0		0		0		0		0
YEAR 2013													
SEASONAL HEAT RATE PROFILE	150		0		0		0		0		150		0
YEAR 2014													
YEAR 2015	0		0		0		0		0		0		0
SEASONAL HEAT RATE PROFILE													
YEAR 2016													
YEAR 2017													
YEAR 2018													
YEAR 2019													
YEAR 2020													
YEAR 2021													
YEAR 2022													
YEAR 2023													
YEAR 2024													
YEAR 2025													
YEAR 2026													
YEAR 2027													
YEAR 2028													
YEAR 2029													
YEAR 2030													
YEAR 2031													
YEAR 2032													
YEAR 2033													
YEAR 2034													
YEAR 2035													
YEAR 2036													
YEAR 2037													
YEAR 2038													
YEAR 2039													
YEAR 2040													

THERMAL UNIT		SEASON 2 FEBRUARY		THERMAL UNIT		SEASON 2 FEBRUARY		THERMAL UNIT		SEASON 2 FEBRUARY			
YEAR 2011	155	CC_OH	156	CT_1EM	157	CC_1EM	158	CT_ARCO	159	CC_ARCO	160	CT_KPCO	161
SEASONAL HEAT RATE PROFILE	155	CC_OH	1	CT_1EM	1	CC_1EM	1	CT_ARCO	1	CC_ARCO	1	CT_KPCO	1
YEAR 2012	0		0		0		0		0		0		0
YEAR 2013													
YEAR 2014													
YEAR 2015													

----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020
0	0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

=====
THERMAL UNIT SEASON 2 FEBRUARY
=====

CC_KPCO	162	BS2_FGD	163	BS2_FGD	164	BS2_FGD	165	BS2_FGD	166	IGCC_AP	168	PC_UL_AP	169
1		1		5		22		23		1		1	

----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

=====
THERMAL UNIT SEASON 2 FEBRUARY
=====

Nuke_AP	170	IGCC_IM	171	PC_UL_IM	172	NUKE_IM	173	IGCC_KP	174	PC_UL_KP	175	NUKE_KP	176
1		1		1		1		1		1		1	

----- YEAR 2011 -----
SEASONAL HEAT RATE PROFILE

----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----

YEAR	SEASON	ICCC OH	PC_UL_OH	NUKE OH	RPID_03	RPID_04	RPID_08	RPID_20
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
=====								
SEASONAL HEAT RATE PROFILE	SEASON 2 FEBRUARY	177	178	179	181	182	183	184
YEAR 2011		1	1	1	1	1	1	1
YEAR 2012		0	0	0	0	0	0	0
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

YEAR	THermal UNIT	SEASON 2 FEBRUARY	SEASON 2 FEBRUARY	SEASON 2 FEBRUARY	SEASON 2 FEBRUARY	SEASON 2 FEBRUARY	SEASON 2 FEBRUARY	SEASON 2 FEBRUARY	SEASON 2 FEBRUARY
YEAR	THermal UNIT	IGCC OH	PC_UL_OH	NUKE OH	RPID_03	RPID_04	RPID_08	RPID_20	SEASONAL HEAT RATE PROFILE
YEAR 2026		177	178	179	181	182	183	184	
YEAR 2027		1	1	1	1	1	1	1	
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									
YEAR	THermal UNIT	RP1TR_IM	RP2TR_IM	RP1TR_KP	RP2TR_KP	T4_TRONA	F4_TRCCR	MR_STRN1	SEASONAL HEAT RATE PROFILE
YEAR 2011		186	187	188	189	190	191	223	
YEAR 2012		1	2	1	2	4	4	1	
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									

YEAR 2040	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037
	SEASONAL HEAT RATE PROFILE																										
	MR_STRK2	224	224	228	229	230	231	232	233																		
	AM53_SI	3	3	3	2	5	5	1	2																		
	BS2_SI	2	2	2	2	2	2	2	2																		
	MRS_CF	5	5	5	5	5	5	5	5																		
	MRS_SI	5	5	5	5	5	5	5	5																		
	RPn1_CF	1	1	1	1	1	1	1	1																		
	RPn2_CF	2	2	2	2	2	2	2	2																		

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	2	FEBRUARY	-----	-----	-----	-----	-----	-----	-----					
YEAR 2038	-----	MR_STKR2	224	AMS3_SI	228	BS2_ST	229	MR5_CF	230	MR5_SI	231	RPT1_CF	232	RPT2_CF	233
YEAR 2039	-----														
YEAR 2040	-----														

THERMAL UNIT	SEASON	2	FEBRUARY	-----	-----	-----	-----	-----	-----	-----					
YEAR 2011	-----	RPT1_SI	234	RPT2_SI	235	DC1_HPT	251	DC1_IS	252	DC1_EFF	253	DC1_I17	254	DC1_3800	255
SEASONAL HEAT RATE PROFILE	-----		0		0		0		0		0		0		0
YEAR 2012	-----														
YEAR 2013	-----														
YEAR 2014	-----														
YEAR 2015	-----														
YEAR 2016	-----														
YEAR 2017	-----														
YEAR 2018	-----														
YEAR 2019	-----														
YEAR 2020	-----														
YEAR 2021	-----														
YEAR 2022	-----														
YEAR 2023	-----														
YEAR 2024	-----														
YEAR 2025	-----														
YEAR 2026	-----														
YEAR 2027	-----														
YEAR 2028	-----														
YEAR 2029	-----														
YEAR 2030	-----														
YEAR 2031	-----														
YEAR 2032	-----														
YEAR 2033	-----														
YEAR 2034	-----														
YEAR 2035	-----														
YEAR 2036	-----														
YEAR 2037	-----														
YEAR 2038	-----														
YEAR 2039	-----														
YEAR 2040	-----														

THERMAL UNIT	SEASON	2	FEBRUARY	-----	-----	-----	-----	-----	-----	-----					
YEAR 2011	-----	DC2_HPT	257	DC2_EFF	258	DC2_SPU	259	DC2_3800	260	BIGSD_I5	269	BIGSD_GP	270	CLN_O_HM	271
SEASONAL HEAT RATE PROFILE	-----		0		0		0		0		0		0		0
YEAR 2012	-----														
YEAR 2013	-----														
YEAR 2014	-----														
YEAR 2015	-----														
YEAR 2016	-----														
YEAR 2017	-----														
YEAR 2018	-----														

YEAR	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	
SEASONAL HEAT RATE PROFILE																							
YEAR 2011																							
YEAR 2012																							
YEAR 2013																							
YEAR 2014																							
YEAR 2015																							
YEAR 2016																							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

YEAR	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
YEAR 2031	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2032	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2033	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2034	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2035	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2036	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2037	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2038	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2039	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2040	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEASONAL HEAT RATE PROFILE	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2011	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2012	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2013	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2014	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2015	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2016	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2017	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2018	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2019	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2020	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2021	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2022	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2023	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2024	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2025	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2026	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2027	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2028	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

4-Company Best Optimization

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	2	FEBRUARY	314	315	316	317	318	319	320
SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020
SP3_Q_HM 3	307	308	309	310	311	312	313	0	0	0
SP3_Q_15 3	0	0	0	0	0	0	0	0	0	0
SP4_Q_HM 4	0	0	0	0	0	0	0	0	0	0
SP4_Q_15 4	0	0	0	0	0	0	0	0	0	0
SP5_HM 5	0	0	0	0	0	0	0	0	0	0
SP5_15 5	0	0	0	0	0	0	0	0	0	0
TNR_F_HM 1	0	0	0	0	0	0	0	0	0	0
TNR_F_15 1	0	0	0	0	0	0	0	0	0	0
PW_GP_15 5	0	0	0	0	0	0	0	0	0	0
RH111s 1	0	0	0	0	0	0	0	0	0	0
YEAR 2021	0	0	0	0	0	0	0	0	0	0
YEAR 2022	0	0	0	0	0	0	0	0	0	0
YEAR 2023	0	0	0	0	0	0	0	0	0	0
YEAR 2024	0	0	0	0	0	0	0	0	0	0

----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

SEASONAL HEAT RATE PROFILE	SEASON 2 FEBRUARY	500 DUMM_OP	501 DUMM_TM	502 DUMM_AF	503 DUMM_RF	958 CC_KPCO 958	959 RP2D_KF 959	960 RP2D_TM 960
YEAR 2011		0	0	0	0	0	0	0
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL_UNIT.

THermal UNIT	SEASON 2 FEBRUARY									
	DUMMY_OP	DUMMY_IM	DUMMY_AP	DUMMY_KP	CC_KPCO	RP2D_KP	RP2D_IM			
	500	501	502	503	958	959	960			
YEAR 2023	0	0	0	0	958	959	960			
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THermal UNIT	SEASON 2 FEBRUARY									
	CSV6_SCR	CSV5_SCR	DUMMY_OP	DUMMY_KP	RPID_03	RPID_KP	BS2_FGD			
	961	962	963	964	965	966	967			
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0			
YEAR 2011										
YEAR 2012										
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										

YEAR	2037	2038	2039	2040	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	
SEASONAL HEAT RATE PROFILE																													
CR2_NGCC	968	968	969	970	971	972	973	974																					
CR1_NGCC	968	969	970	971	972	973	974																						
MRS_NGCC	970	971	972	973	974																								
DUMBY_OP	971	972	973	974																									
DUMBY_OP	972	973	974																										
DUMBY_OP	973	974																											
DUMBY_OP	974																												

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THEMAL UNIT	SEASON	2	FEBRUARY	968	969	970	971	972	973	974
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THEMAL UNIT	SEASON	2	FEBRUARY	975	976	977	978	979	980	981
YEAR 2011										
YEAR 2012										
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THEMAL UNIT	SEASON	2	FEBRUARY	982	983	984	985	986	987	988
YEAR 2011										
YEAR 2012										
YEAR 2013										
YEAR 2014										
YEAR 2015										

-----	YEAR 2016	-----								
-----	YEAR 2017	-----								
-----	YEAR 2018	-----								
-----	YEAR 2019	-----								
-----	YEAR 2020	-----								
-----	YEAR 2021	-----								
-----	YEAR 2022	-----								
-----	YEAR 2023	-----								
-----	YEAR 2024	-----								
-----	YEAR 2025	-----								
-----	YEAR 2026	-----								
-----	YEAR 2027	-----								
-----	YEAR 2028	-----								
-----	YEAR 2029	-----								
-----	YEAR 2030	-----								
-----	YEAR 2031	-----								
-----	YEAR 2032	-----								
-----	YEAR 2033	-----								
-----	YEAR 2034	-----								
-----	YEAR 2035	-----								
-----	YEAR 2036	-----								
-----	YEAR 2037	-----								
-----	YEAR 2038	-----								
-----	YEAR 2039	-----								
-----	YEAR 2040	-----								
=====										
THERMAL UNIT	SEASON 2 FEBRUARY	=====								
-----	YEAR 2011	-----	DURMNT_OP	989	DURMNT_OP	990	DURMNT_OP	991	DURMNT_OP	992
-----	SEASONAL HEAT RATE	-----	989		990		991		992	
-----	YEAR 2012	-----	0		0		0		0	
-----	YEAR 2013	-----								
=====										
-----	YEAR 2011	-----	DURMNT_OP	993	DURMNT_OP	994	DURMNT_OP	995		
-----	SEASONAL HEAT RATE	-----	993		994		995			
-----	YEAR 2012	-----	0		0		0			
-----	YEAR 2013	-----								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

YEAR	989	990	991	992	993	994	995
YEAR 2014	DUMMY_OP 989	DUMMY_OP 990	DUMMY_OP 991	DUMMY_OP 992	DUMMY_OP 993	DUMMY_OP 994	DUMMY_OP 995
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							
=====							
SEASON	SEASON	SEASON	SEASON	SEASON	SEASON	SEASON	SEASON
YEAR 2011	2	2	2	2	2	2	2
YEAR 2012	2	2	2	2	2	2	2
YEAR 2013	2	2	2	2	2	2	2
YEAR 2014	2	2	2	2	2	2	2
YEAR 2015	2	2	2	2	2	2	2
YEAR 2016	2	2	2	2	2	2	2
YEAR 2017	2	2	2	2	2	2	2
YEAR 2018	2	2	2	2	2	2	2
YEAR 2019	2	2	2	2	2	2	2
YEAR 2020	2	2	2	2	2	2	2
YEAR 2021	2	2	2	2	2	2	2
YEAR 2022	2	2	2	2	2	2	2
YEAR 2023	2	2	2	2	2	2	2
YEAR 2024	2	2	2	2	2	2	2
YEAR 2025	2	2	2	2	2	2	2
YEAR 2026	2	2	2	2	2	2	2
YEAR 2027	2	2	2	2	2	2	2
=====							
SEASONAL HEAT RATE PROFILE							
YEAR 2011	0	0	0	0	0	0	0
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
=====							
THERMAL UNIT	SEASON	2	FEBRUARY	=====			
996	996	997	998	999			
T4_TRONA	RP2TR_KP	RP2TR_KP	RP2TR_IM	DUMMY_OP			
996	997	998	999				

YEAR	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
SEASONAL HEAT RATE PROFILE	1	2	3	4	5	6	7	0	0	0	0	0	0
YEAR 2011	1	2	3	4	5	6	7	0	0	0	0	0	0
YEAR 2012	1	2	3	4	5	6	7	0	0	0	0	0	0
YEAR 2013	1	2	3	4	5	6	7	0	0	0	0	0	0
YEAR 2014	1	2	3	4	5	6	7	0	0	0	0	0	0
YEAR 2015	1	2	3	4	5	6	7	0	0	0	0	0	0
YEAR 2016	1	2	3	4	5	6	7	0	0	0	0	0	0
YEAR 2017	1	2	3	4	5	6	7	0	0	0	0	0	0
YEAR 2018	1	2	3	4	5	6	7	0	0	0	0	0	0
YEAR 2019	1	2	3	4	5	6	7	0	0	0	0	0	0
YEAR 2020	1	2	3	4	5	6	7	0	0	0	0	0	0
YEAR 2021	1	2	3	4	5	6	7	0	0	0	0	0	0
YEAR 2022	1	2	3	4	5	6	7	0	0	0	0	0	0
YEAR 2023	1	2	3	4	5	6	7	0	0	0	0	0	0
YEAR 2024	1	2	3	4	5	6	7	0	0	0	0	0	0
YEAR 2025	1	2	3	4	5	6	7	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT
QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 3 MARCH													
	AMOS 1	AMOS 2	AMOS_OP 3	BECKJORD 4	BIG SAND 5	BIG SAND 6	CARD 1+2 7	AMOS 8	CARD 3 9	CLIFFTY 10	CLIFFTY 11	CLIFFTY 12	CLIFFTY 13	CLIFFTY 14
YEAR 2026														
YEAR 2027														
YEAR 2028														
YEAR 2029														
YEAR 2030														
YEAR 2031														
YEAR 2032														
YEAR 2033														
YEAR 2034														
YEAR 2035														
YEAR 2036														
YEAR 2037														
YEAR 2038														
YEAR 2039														
YEAR 2040														
THERMAL UNIT SEASON 3 MARCH														
SEASONAL HEAT RATE PROFILE														
YEAR 2011														
YEAR 2012														
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														
YEAR 2018														
YEAR 2019														
YEAR 2020														
YEAR 2021														
YEAR 2022														
YEAR 2023														
YEAR 2024														
YEAR 2025														
YEAR 2026														
YEAR 2027														
YEAR 2028														
YEAR 2029														
YEAR 2030														
YEAR 2031														
YEAR 2032														
YEAR 2033														
YEAR 2034														
YEAR 2035														
YEAR 2036														
YEAR 2037														
YEAR 2038														
YEAR 2039														

4-Company East Optimization

YEAR 2040	SEASON 3	MARCH	CLIFTY 6	CLINCH R 1	CLINCH R 2	CLINCH R 3	ROCKP_KP 1	ROCKP_KP 2	CSVL 1-4 3
YEAR 2011			0	0	0	0	0	0	0
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 3	MARCH	15	16	17	18	19	20	21
CLIFTY 6	CLINCH R 1	CLINCH R 2	CLINCH R 3	ROCKP_KP 1	ROCKP_KP 2	CSVL 1-4 3			
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT	SEASON 3	MARCH	22	23	24	25	26	27	28
CSVL 1-4 4	CSVL 5+6 5	CSVL 5+6 6	D C COOK 1	D C COOK 2	GAVIN 1	GAVIN 2			
YEAR 2011									
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT	SEASON 3	MARCH	29	30	33	34	35	36	37
GLEN LYN 5	GLEN LYN 6	KAMMER 1	KAMMER 2	KAMMER 3	KANAWHA 1	KANAWHA 2			
YEAR 2011									
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 3	MARCH	45	46	47	48	49	50	51
	KYGER 1	KYGER 2	KYGER 3	KYGER 4	KYGER 5	MITCHELL 1	MITCHELL 2	P SPORN 1	
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT	SEASON 3	MARCH	45	46	47	48	49	50	51
	MOUNT_R 1	MUSK_RVR 1	MUSK_RVR 2	MUSK_RVR 3	MUSK_RVR 4	MUSK_RVR 5	P SPORN 1		
YEAR 2011									
SEASONAL HEAT RATE PROFILE	45	46	47	48	49	50	51		
YEAR 2012	45	0	0	0	0	0	0		
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0		
YEAR 2013									
YEAR 2014									
SEASONAL HEAT RATE PROFILE	150	0	0	0	0	0	0		
YEAR 2015									
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0		
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									

YEAR	SEASON	MARCH	P SPORN	P SPORN	P SPORN	P SPORN	PLOWAY	RPRET_IM	RPRUN_IM
YEAR 2030	3		52	53	54	55	56	57	58
YEAR 2031			2	3	4	5	5	1	1
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									
SEASONAL HEAT RATE PROFILE			0	0	0	0	0	0	0
YEAR 2011									
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	MARCH	52	53	54	55	56	57	58
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT	SEASON	MARCH	59	61	62	63	64	65	66
YEAR 2011									
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

SEASONAL HEAT RATE PROFILE	ROCKP_IM	STUART	STUART	STUART	STUART	AMOS_AP	TANN
YEAR 2011	59	61	62	63	64	65	66
YEAR 2012	2	1	2	3	4	3	1-3
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

4-Company East Optimization

SEASONAL HEAT RATE PROFILE	TANN 1-3 2	TANN 1-3 3	TANN 4 4	ZIMMER 1	ROBTWONE 1	ROBTWONE 2	ROBTWONE 3
YEAR 2011	0	0	0	0	164	164	164
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							

NOTE: DATA DISPLAYED ABOVE 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 3	MARCH	75	76	77	78	79	80	81
		TANN 1-3	TANN 1-3	TANN 4	ZIMMER 1	ROBTWONE 1	ROBTWONE 2	ROBTWONE 3	
		2	3	4	1	1	2	3	

THERMAL UNIT	SEASON 3	MARCH	75	76	77	78	79	80	81
		CEREDO	CEREDO	CEREDO	CEREDO	CEREDO	CEREDO	DARBY	
		1	2	3	4	5	6	1	

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040

THERMAL UNIT	SEASON 3	MARCH	82	83	84	85	86	87	88
		DARBY	DARBY	DARBY	DARBY	DARBY	IMBG WIN	IMBG WIN	
		2	3	4	5	6	1	2	

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020

YEAR	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
SEASONAL HEAT RATE																				
PROFIT																				
SEASONAL HEAT RATE																				
PROFIT																				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

SEASON	YEAR	SEASON	YEAR	SEASON	YEAR	SEASON	YEAR	SEASON	YEAR
3	2019	3	2020	3	2021	3	2022	3	2023
3	2024	3	2025	3	2026	3	2027	3	2028
3	2029	3	2030	3	2031	3	2032	3	2033
3	2034	3	2035	3	2036	3	2037	3	2038
3	2039	3	2040						

SEASON	YEAR	SEASON	YEAR	SEASON	YEAR	SEASON	YEAR	SEASON	YEAR
3	2019	3	2020	3	2021	3	2022	3	2023
3	2024	3	2025	3	2026	3	2027	3	2028
3	2029	3	2030	3	2031	3	2032	3	2033
3	2034	3	2035	3	2036	3	2037	3	2038
3	2039	3	2040						

SEASON	YEAR	SEASON	YEAR	SEASON	YEAR	SEASON	YEAR	SEASON	YEAR
3	2019	3	2020	3	2021	3	2022	3	2023
3	2024	3	2025	3	2026	3	2027	3	2028
3	2029	3	2030	3	2031	3	2032	3	2033
3	2034	3	2035	3	2036	3	2037	3	2038
3	2039	3	2040						

SEASON	YEAR	SEASON	YEAR	SEASON	YEAR	SEASON	YEAR	SEASON	YEAR
3	2011	3	2012	3	2013	3	2014	3	2015
3	2016	3	2017	3	2018	3	2019	3	2020
3	2021	3	2022	3	2023	3	2024	3	2025
3	2026	3	2027	3	2028	3	2029	3	2030
3	2031	3	2032						

YEAR	HEAT RATE PROFILE	SEASON 3	MARCH	CC 2x1FA	CC 1x17H	BS2_CC	CT GE7FA	CT_GE7EA	BS2_FGD	BS1_FGD
YEAR 2033	-----									
YEAR 2034	-----									
YEAR 2035	-----									
YEAR 2036	-----									
YEAR 2037	-----									
YEAR 2038	-----									
YEAR 2039	-----									
YEAR 2040	-----									
THERMAL UNIT										
YEAR 2011	-----			109	110	111	114	115	124	125
YEAR 2012	-----			1	1	1	1	1	2	1
YEAR 2013	-----			0	0	183	0	0	0	0
YEAR 2014	-----									
YEAR 2015	-----									
YEAR 2016	-----									
YEAR 2017	-----									
YEAR 2018	-----									
YEAR 2019	-----									
YEAR 2020	-----									
YEAR 2021	-----									
YEAR 2022	-----									
YEAR 2023	-----									
YEAR 2024	-----									
YEAR 2025	-----									
YEAR 2026	-----									
YEAR 2027	-----									
YEAR 2028	-----									
YEAR 2029	-----									
YEAR 2030	-----									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

YEAR	CC 2x1FA	CC 1x1FA	BS2_CC	CT GERFA	CT GERFA	BS2_FGD	BS1_FGD
YEAR 2031	109	110	111	114	115	124	125
YEAR 2032	1	1	1	1	1	2	1
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

THERMAL UNIT	SEASON 3	MARCH	GSV5_SCR	GSV6_SCR	CR1_NGCC	CR2_NGCC	MRS_NGCC	MRS_FGD	RPID_TM
YEAR 2011			126	127	129	130	131	132	133
SEASONAL HEAT RATE PROFILE			5	6	1	2	5	5	1
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT	SEASON 3	MARCH	RP2D_TM	TAM4_FGD	RPID_KP	RP2D_KP	TC4_ESP	A390# AP	A390#OP
YEAR 2011			134	135	136	137	144	145	146
SEASONAL HEAT RATE PROFILE			2	4	1	2	4	3	3
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

YEAR 2011	SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0
1271									

----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 3	MARCH	147	148	149	150	151	153	154
	MIN_90%	RPT1_90%	RPT2_90%	GV1_90%	GV2_90%	MIN_18%	CC_FA_KP		
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0
YEAR 2011	0	0	0	0	0	0	0	0	0
YEAR 2012	0	0	0	0	0	0	0	0	0
YEAR 2013	0	0	0	0	0	0	0	0	0
SEASONAL HEAT RATE PROFILE	150	0	0	0	0	150	0		
YEAR 2014	150	0	0	0	0	150	0		
YEAR 2015	0	0	0	0	0	0	0		
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0
YEAR 2016	0	0	0	0	0	0	0	0	0
YEAR 2017	0	0	0	0	0	0	0	0	0
YEAR 2018	0	0	0	0	0	0	0	0	0
YEAR 2019	0	0	0	0	0	0	0	0	0
YEAR 2020	0	0	0	0	0	0	0	0	0
YEAR 2021	0	0	0	0	0	0	0	0	0
YEAR 2022	0	0	0	0	0	0	0	0	0
YEAR 2023	0	0	0	0	0	0	0	0	0
YEAR 2024	0	0	0	0	0	0	0	0	0
YEAR 2025	0	0	0	0	0	0	0	0	0
YEAR 2026	0	0	0	0	0	0	0	0	0
YEAR 2027	0	0	0	0	0	0	0	0	0
YEAR 2028	0	0	0	0	0	0	0	0	0
YEAR 2029	0	0	0	0	0	0	0	0	0
YEAR 2030	0	0	0	0	0	0	0	0	0
YEAR 2031	0	0	0	0	0	0	0	0	0
YEAR 2032	0	0	0	0	0	0	0	0	0
YEAR 2033	0	0	0	0	0	0	0	0	0
YEAR 2034	0	0	0	0	0	0	0	0	0
YEAR 2035	0	0	0	0	0	0	0	0	0
YEAR 2036	0	0	0	0	0	0	0	0	0
YEAR 2037	0	0	0	0	0	0	0	0	0
YEAR 2038	0	0	0	0	0	0	0	0	0
YEAR 2039	0	0	0	0	0	0	0	0	0
YEAR 2040	0	0	0	0	0	0	0	0	0
THERMAL UNIT	SEASON 3	MARCH	155	156	157	158	159	160	161
	CT_OHTO	CC_OH	CT_18M	CC_18M	CT_ARCO	CC_ARCO	CT_KPCCO		
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0
YEAR 2011	0	0	0	0	0	0	0	0	0
YEAR 2012	0	0	0	0	0	0	0	0	0
YEAR 2013	0	0	0	0	0	0	0	0	0
YEAR 2014	0	0	0	0	0	0	0	0	0
YEAR 2015	0	0	0	0	0	0	0	0	0
YEAR 2016	0	0	0	0	0	0	0	0	0
YEAR 2017	0	0	0	0	0	0	0	0	0
YEAR 2018	0	0	0	0	0	0	0	0	0
YEAR 2019	0	0	0	0	0	0	0	0	0
YEAR 2020	0	0	0	0	0	0	0	0	0
YEAR 2021	0	0	0	0	0	0	0	0	0
YEAR 2022	0	0	0	0	0	0	0	0	0
YEAR 2023	0	0	0	0	0	0	0	0	0

----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

SEASONAL HEAT RATE PROFILE	SPASON 3	MARCH	CC_KPCO 1	BS2 FGD 1	BS2 FGD 5	BS2 FGD 22	BS2 FGD 23	IGCC AP 1	PC_UL_AP 1
YEAR 2011	162	163	164	165	166	168	169	0	0
YEAR 2012	0	0	0	0	0	0	0	0	0
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 3	MARCH	162	163	164	165	166	168	169
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT	SEASON 3	MARCH	170	171	172	173	174	175	176
YEAR 2011									
SEASONAL HEAT RATE PROFILE									
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									

NUKE_AP 1
IGCC IM 1
PC_UL_TM 1
NUKE_IM 1
IGCC KP 1
PC_UL_KP 1
NUKE_KP 1

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

THERMAL UNIT	SEASON 3	MARCH	IGCC OH	PC_UL_OH	NUKE OH	RPID_03	RPID_04	RPID_08	RPID_183	RPID_184
YEAR 2034			177	178	179	181	182	183	184	
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THERMAL UNIT	SEASON 3	MARCH	RP1TR_IM	RP2TR_IM	RP1TR_KP	RP2TR_KP	T4_TRONA	T4_TRCCR	MR_STKR1	MR_STKR2
YEAR 2011			186	187	188	189	190	191	223	
YEAR 2012										
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THERMAL UNIT	SEASON 3	MARCH	MR_STKR2	AMS3_SI	BS2_SI	MR5_CF	MR5_SI	RPT1_CF	RPT2_CF
YEAR 2011			224	228	229	230	231	232	233
YEAR 2012									
YEAR 2013									
YEAR 2014									

YEAR	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
SEASON	3																									
MONTH	MARCH																									
HEAT RATE	0																									
DC1_HPF	1																									
DC1_IS	1																									
DC1_EFF	1																									
DC1_I7	1																									
DC1_3800	1																									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	MARCH	DC2_HPT	DC2_EFF	DC2_SPU	DC2_3800	BIGSD_15	BIGSD_GP	CLN_Q_HM
YEAR 2013	3		0	0	0	0	0	0	0
YEAR 2014	3		0	0	0	0	0	0	0
YEAR 2015	3		0	0	0	0	0	0	0
YEAR 2016	3		0	0	0	0	0	0	0
YEAR 2017	3		0	0	0	0	0	0	0
YEAR 2018	3		0	0	0	0	0	0	0
YEAR 2019	3		0	0	0	0	0	0	0
YEAR 2020	3		0	0	0	0	0	0	0
YEAR 2021	3		0	0	0	0	0	0	0
YEAR 2022	3		0	0	0	0	0	0	0
YEAR 2023	3		0	0	0	0	0	0	0
YEAR 2024	3		0	0	0	0	0	0	0
YEAR 2025	3		0	0	0	0	0	0	0
YEAR 2026	3		0	0	0	0	0	0	0
YEAR 2027	3		0	0	0	0	0	0	0
YEAR 2028	3		0	0	0	0	0	0	0
YEAR 2029	3		0	0	0	0	0	0	0
YEAR 2030	3		0	0	0	0	0	0	0
YEAR 2031	3		0	0	0	0	0	0	0
YEAR 2032	3		0	0	0	0	0	0	0
YEAR 2033	3		0	0	0	0	0	0	0
YEAR 2034	3		0	0	0	0	0	0	0
YEAR 2035	3		0	0	0	0	0	0	0
YEAR 2036	3		0	0	0	0	0	0	0
YEAR 2037	3		0	0	0	0	0	0	0
YEAR 2038	3		0	0	0	0	0	0	0
YEAR 2039	3		0	0	0	0	0	0	0
YEAR 2040	3		0	0	0	0	0	0	0

THERMAL UNIT	SEASON	MARCH	DC2_HPT	DC2_EFF	DC2_SPU	DC2_3800	BIGSD_15	BIGSD_GP	CLN_Q_HM
YEAR 2011	3		0	0	0	0	0	0	0
YEAR 2012	3		0	0	0	0	0	0	0
YEAR 2013	3		0	0	0	0	0	0	0
YEAR 2014	3		0	0	0	0	0	0	0
YEAR 2015	3		0	0	0	0	0	0	0
YEAR 2016	3		0	0	0	0	0	0	0
YEAR 2017	3		0	0	0	0	0	0	0
YEAR 2018	3		0	0	0	0	0	0	0
YEAR 2019	3		0	0	0	0	0	0	0
YEAR 2020	3		0	0	0	0	0	0	0
YEAR 2021	3		0	0	0	0	0	0	0
YEAR 2022	3		0	0	0	0	0	0	0
YEAR 2023	3		0	0	0	0	0	0	0
YEAR 2024	3		0	0	0	0	0	0	0
YEAR 2025	3		0	0	0	0	0	0	0
YEAR 2026	3		0	0	0	0	0	0	0

YEAR	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2011	272	273	274	275	276	277	278							
YEAR 2012	1	2	2	3	3	3	3							
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														
YEAR 2018														
YEAR 2019														
YEAR 2020														
YEAR 2021														
YEAR 2022														
YEAR 2023														
YEAR 2024														

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 3	MARCH	SEASON 3	MARCH	SEASON 3	MARCH	SEASON 3	MARCH	SEASON 3	MARCH
YEAR 2025	272	273	274	275	276	277	278	279	280	281
YEAR 2026	272	273	274	275	276	277	278	279	280	281
YEAR 2027	272	273	274	275	276	277	278	279	280	281
YEAR 2028	272	273	274	275	276	277	278	279	280	281
YEAR 2029	272	273	274	275	276	277	278	279	280	281
YEAR 2030	272	273	274	275	276	277	278	279	280	281
YEAR 2031	272	273	274	275	276	277	278	279	280	281
YEAR 2032	272	273	274	275	276	277	278	279	280	281
YEAR 2033	272	273	274	275	276	277	278	279	280	281
YEAR 2034	272	273	274	275	276	277	278	279	280	281
YEAR 2035	272	273	274	275	276	277	278	279	280	281
YEAR 2036	272	273	274	275	276	277	278	279	280	281
YEAR 2037	272	273	274	275	276	277	278	279	280	281
YEAR 2038	272	273	274	275	276	277	278	279	280	281
YEAR 2039	272	273	274	275	276	277	278	279	280	281
YEAR 2040	272	273	274	275	276	277	278	279	280	281

THERMAL UNIT	SEASON 3	MARCH	SEASON 3	MARCH	SEASON 3	MARCH	SEASON 3	MARCH	SEASON 3	MARCH
YEAR 2011	279	280	281	282	283	284	285	279	280	281
YEAR 2012	279	280	281	282	283	284	285	279	280	281
YEAR 2013	279	280	281	282	283	284	285	279	280	281
YEAR 2014	279	280	281	282	283	284	285	279	280	281
YEAR 2015	279	280	281	282	283	284	285	279	280	281
YEAR 2016	279	280	281	282	283	284	285	279	280	281
YEAR 2017	279	280	281	282	283	284	285	279	280	281
YEAR 2018	279	280	281	282	283	284	285	279	280	281
YEAR 2019	279	280	281	282	283	284	285	279	280	281
YEAR 2020	279	280	281	282	283	284	285	279	280	281
YEAR 2021	279	280	281	282	283	284	285	279	280	281
YEAR 2022	279	280	281	282	283	284	285	279	280	281
YEAR 2023	279	280	281	282	283	284	285	279	280	281
YEAR 2024	279	280	281	282	283	284	285	279	280	281
YEAR 2025	279	280	281	282	283	284	285	279	280	281
YEAR 2026	279	280	281	282	283	284	285	279	280	281
YEAR 2027	279	280	281	282	283	284	285	279	280	281
YEAR 2028	279	280	281	282	283	284	285	279	280	281
YEAR 2029	279	280	281	282	283	284	285	279	280	281
YEAR 2030	279	280	281	282	283	284	285	279	280	281
YEAR 2031	279	280	281	282	283	284	285	279	280	281
YEAR 2032	279	280	281	282	283	284	285	279	280	281
YEAR 2033	279	280	281	282	283	284	285	279	280	281
YEAR 2034	279	280	281	282	283	284	285	279	280	281
YEAR 2035	279	280	281	282	283	284	285	279	280	281
YEAR 2036	279	280	281	282	283	284	285	279	280	281
YEAR 2037	279	280	281	282	283	284	285	279	280	281
YEAR 2038	279	280	281	282	283	284	285	279	280	281

YEAR 2039	YEAR 2040	SEASON 3	MARCH	286	287	288	289	290	291	292
YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021
YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032
YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		SEASON 3		MARCH	
YEAR 2037	-----	KMR_F_GP 286	KMR_F_HM 287	KMR_F_GP 288	KWA_1_HM 289
YEAR 2038	-----				KWA_1_15 290
YEAR 2039	-----				KWA_2_HM 291
YEAR 2040	-----				KWA_2_15 292

THERMAL UNIT		SEASON 3		MARCH	
YEAR 2011	-----	MSKR1_HM 293	MSKR1_12 294	MSKR2_HM 295	MSKR2_12 296
YEAR 2012	-----				MSKR3_GP 297
YEAR 2013	-----				MR3HM_12 298
YEAR 2014	-----				MSKR4_GP 299
YEAR 2015	-----				
YEAR 2016	-----				
YEAR 2017	-----				
YEAR 2018	-----				
YEAR 2019	-----				
YEAR 2020	-----				
YEAR 2021	-----				
YEAR 2022	-----				
YEAR 2023	-----				
YEAR 2024	-----				
YEAR 2025	-----				
YEAR 2026	-----				
YEAR 2027	-----				
YEAR 2028	-----				
YEAR 2029	-----				
YEAR 2030	-----				
YEAR 2031	-----				
YEAR 2032	-----				
YEAR 2033	-----				
YEAR 2034	-----				
YEAR 2035	-----				
YEAR 2036	-----				
YEAR 2037	-----				
YEAR 2038	-----				
YEAR 2039	-----				
YEAR 2040	-----				

THERMAL UNIT		SEASON 3		MARCH	
YEAR 2011	-----	MAHM_12 300	PICWY_HM 301	PICWY_GP 302	SPL_F_HM 303
YEAR 2012	-----				SPL_F_15 304
YEAR 2013	-----				SP2_F_HM 305
YEAR 2014	-----				SP2_F_15 306
YEAR 2015	-----				
YEAR 2016	-----				
YEAR 2017	-----				

----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

SEASONAL HEAT RATE PROFILE	SEASON 3	MARCH
----- YEAR 2011 -----	SP3_O_HM_3	307
----- YEAR 2012 -----	SP3_O_15_3	308
----- YEAR 2013 -----	SP4_O_HM_4	309
----- YEAR 2014 -----	SP4_O_15_4	310
----- YEAR 2015 -----	SP5_HM_5	311
	SP5_15_5	312
	TNR_F_HM_1	313
		0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	MARCH	307	308	309	310	311	312	313
			SP3_Q_HM	SP3_Q_I5	SP4_Q_HM	SP4_Q_I5	SP5_HM	SP5_I5	TNR_F_HM
			3	3	4	4	5	5	1
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT	SEASON	MARCH	314	315	316	317	318	319	320
			TNR_F_I5	TNR_F_HM	TNR_F_I5	TNR_F_HM	TNR_F_I5	PW_GP_I5	RHILLS
			1	2	2	3	3	5	1
YEAR 2011									
SEASONAL HEAT RATE PROFILE									
YEAR 2012			0	0	0	0	0	0	0
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									

----- YEAR 2030 -----		----- YEAR 2031 -----		----- YEAR 2032 -----		----- YEAR 2033 -----		----- YEAR 2034 -----		----- YEAR 2035 -----		----- YEAR 2036 -----		----- YEAR 2037 -----		----- YEAR 2038 -----		----- YEAR 2039 -----		----- YEAR 2040 -----	
===== THERMAL UNIT SEASON 3 MARCH =====																					
		500		501		502		503		958		959		960							
		DUMMY_OP		DUMMY_TM		DUMMY_AP		DUMMY_KP		CC_KPCO		RP2D_KP		RP2D_TM							
		0		0		0		0		0		0		0							
----- SEASONAL HEAT RATE PROFILE -----																					
YEAR 2011		YEAR 2012		YEAR 2013		YEAR 2014		YEAR 2015		YEAR 2016		YEAR 2017		YEAR 2018		YEAR 2019		YEAR 2020		YEAR 2021	
-----		-----		-----		-----		-----		-----		-----		-----		-----		-----		-----	
YEAR 2022		YEAR 2023		YEAR 2024		YEAR 2025		YEAR 2026		YEAR 2027											
-----		-----		-----		-----		-----		-----											

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 3	MARCH	500 DUMMY_OP 0	501 DUMMY_IM 0	502 DUMMY_AP 0	503 DUMMY_KP 0	958 CC_KPCO 958	959 RP2D_KP 959	960 RP2D_IM 960
---	YEAR 2028	---							
---	YEAR 2029	---							
---	YEAR 2030	---							
---	YEAR 2031	---							
---	YEAR 2032	---							
---	YEAR 2033	---							
---	YEAR 2034	---							
---	YEAR 2035	---							
---	YEAR 2036	---							
---	YEAR 2037	---							
---	YEAR 2038	---							
---	YEAR 2039	---							
---	YEAR 2040	---							

THERMAL UNIT	SEASON 3	MARCH	961 CSV6_SCR 961	962 CSV5_SCR 962	963 DUMMY_OP 963	964 DUMMY_OP 964	965 RP1D_03 965	966 RP1D_KP 966	967 BS2_FGD 967
---	YEAR 2011	---	0	0	0	0	0	0	0
---	YEAR 2012	---							
---	YEAR 2013	---							
---	YEAR 2014	---							
---	YEAR 2015	---							
---	YEAR 2016	---							
---	YEAR 2017	---							
---	YEAR 2018	---							
---	YEAR 2019	---							
---	YEAR 2020	---							
---	YEAR 2021	---							
---	YEAR 2022	---							
---	YEAR 2023	---							
---	YEAR 2024	---							
---	YEAR 2025	---							
---	YEAR 2026	---							
---	YEAR 2027	---							
---	YEAR 2028	---							
---	YEAR 2029	---							
---	YEAR 2030	---							
---	YEAR 2031	---							
---	YEAR 2032	---							
---	YEAR 2033	---							
---	YEAR 2034	---							
---	YEAR 2035	---							
---	YEAR 2036	---							
---	YEAR 2037	---							
---	YEAR 2038	---							
---	YEAR 2039	---							
---	YEAR 2040	---							

THERMAL UNIT	SEASON 3	MARCH	968	969	970	971	972	973	974
---	YEAR 2011	---							
---	YEAR 2012	---							
---	YEAR 2013	---							
---	YEAR 2014	---							
---	YEAR 2015	---							
---	YEAR 2016	---							
---	YEAR 2017	---							
---	YEAR 2018	---							
---	YEAR 2019	---							
---	YEAR 2020	---							
---	YEAR 2021	---							
---	YEAR 2022	---							
---	YEAR 2023	---							
---	YEAR 2024	---							
---	YEAR 2025	---							
---	YEAR 2026	---							
---	YEAR 2027	---							
---	YEAR 2028	---							
---	YEAR 2029	---							
---	YEAR 2030	---							
---	YEAR 2031	---							
---	YEAR 2032	---							
---	YEAR 2033	---							
---	YEAR 2034	---							
---	YEAR 2035	---							
---	YEAR 2036	---							
---	YEAR 2037	---							
---	YEAR 2038	---							
---	YEAR 2039	---							
---	YEAR 2040	---							

4-Company East Optimization

SEASONAL HEAT RATE PROFILE	CR2_NGCC 968	CR1_NGCC 969	MRS_NGCC 970	DUMMY_OP 971	DUMMY_OP 972	DUMMY_OP 973	DUMMY_OP 974
YEAR 2011	0	0	0	0	0	0	0
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		SEASON 3		MARCH	
	968	969	970	971	972
CR2_NGCC	968	CR1_NGCC	969	MRS_NGCC	970
	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
	971	972	973	974	
	972	973	974		

THERMAL UNIT		SEASON 3		MARCH	
	975	976	977	978	979
DUMMY_OP	975	DUMMY_OP	976	DUMMY_OP	977
	978	979	980	981	
	981	982	983	984	

SEASONAL HEAT RATE PROFILE		SEASON 3		MARCH	
YEAR 2011	0	0	0	0	0
YEAR 2012					

YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT		SEASON 3		MARCH	
	982	983	984	985	986
DUMMY_OP	982	DUMMY_OP	983	DUMMY_OP	984
	987	988			
	988				

SEASONAL HEAT RATE PROFILE		SEASON 3		MARCH	
YEAR 2011	0	0	0	0	0
YEAR 2012					

YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					

----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

----- THERMAL UNIT SEASON 3 MARCH -----

----- DUMMY_OP 989
----- 983

----- YEAR 2011 -----
----- SEASONAL HEAT RATE PROFILE -----
----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----

Year	989	990	991	992	993	994	995
2011	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 3	MARCH	989	990	991	992	993	994	995
			DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
			989	990	991	992	993	994	995
			989	990	991	992	993	994	995

----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

THERMAL UNIT	SEASON 3	MARCH	996	997	998	999
			T4_TPRONA	RP2TR_KP	RP2TR_IM	DUMMY_OP
			996	997	998	999
			996	997	998	999

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----

SEASONAL HEAT RATE PROFILE
 0 0 0 0

YEAR	2033	2034	2035	2036	2037	2038	2039	2040
YEAR 2033	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2034	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2035	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2036	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2037	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2038	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2039	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2040	-----	-----	-----	-----	-----	-----	-----	-----
SEASONAL HEAT RATE PROFILE	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2011	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2012	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2013	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2014	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2015	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2016	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2017	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2018	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2019	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2020	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2021	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2022	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2023	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2024	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2025	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2026	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2027	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2028	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2029	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2030	-----	-----	-----	-----	-----	-----	-----	-----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

SEASON	4	APRIL	-----	-----	-----	-----	-----	-----
THERMAL UNIT	-----	-----	-----	-----	-----	-----	-----	-----
AMOS	1	2	3	4	5	6	7	-----
AMOS 1	1	2	3	4	5	6	7	-----
AMOS 2	0	0	0	0	0	0	0	-----
AMOS_OP 3	0	0	0	0	0	0	0	-----
BECKJORD 6	0	0	0	0	0	0	0	-----
BIG SAND 1	0	0	0	0	0	0	0	-----
BIG SAND 2	0	0	0	0	0	0	0	-----
CARD 1+2 1	0	0	0	0	0	0	0	-----

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GEN.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 4	APRIL	AMOS 1	AMOS 2	AMOS_OP 3	BECKJORD 4	BIG SAND 5	BIG SAND 6	CARD 1+2 7
YEAR 2031			1	2	3	4	5	6	7
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT	SEASON 4	APRIL	CARD 1+2 8	CARD 3 9	CLIFFY 10	CLIFFY 11	CLIFFY 12	CLIFFY 13	CLIFFY 14
YEAR 2011			8	9	10	11	12	13	14
YEAR 2012			2	3	1	2	3	4	5
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT	SEASON 4	APRIL	CLIFFY 15	CLINCH R 16	CLINCH R 17	CLINCH R 18	ROCKP_KP 19	ROCKP_KP 20	CSVU 1-4 21
YEAR 2011			15	16	17	18	19	20	21
YEAR 2012			6	1	2	3	1	2	3
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT	SEASON 4	APRIL	CLIFFY 15	CLINCH R 16	CLINCH R 17	CLINCH R 18	ROCKP_KP 19	ROCKP_KP 20	CSVU 1-4 21
YEAR 2011			15	16	17	18	19	20	21
YEAR 2012			6	1	2	3	1	2	3
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 4	APRIL	22	23	24	25	26	27	28
	CSVL 1-4	CSVL 5+6	CSVL 5+6	D C COOK	D C COOK	GAVIN	GAVIN		
	4	5	6	1	2	1	2		
YEAR 2011									
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	28
YEAR 2012									
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT	SEASON 4	APRIL	29	30	33	34	35	36	37
	GLEN LYN	GLEN LYN	KAMMER	KAMMER	KAMMER	KAMMER	KANAWHA	KANAWHA	
	5	6	1	2	3	1	2		
YEAR 2011									
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									

-----	YEAR 2024	-----								
-----	YEAR 2025	-----								
-----	YEAR 2026	-----								
-----	YEAR 2027	-----								
-----	YEAR 2028	-----								
-----	YEAR 2029	-----								
-----	YEAR 2030	-----								
-----	YEAR 2031	-----								
-----	YEAR 2032	-----								
-----	YEAR 2033	-----								
-----	YEAR 2034	-----								
-----	YEAR 2035	-----								
-----	YEAR 2036	-----								
-----	YEAR 2037	-----								
-----	YEAR 2038	-----								
-----	YEAR 2039	-----								
-----	YEAR 2040	-----								

-----	YEAR 2011	-----								
-----	YEAR 2012	-----								
-----	YEAR 2013	-----								
-----	YEAR 2014	-----								
-----	YEAR 2015	-----								
-----	YEAR 2016	-----								
-----	YEAR 2017	-----								
-----	YEAR 2018	-----								
-----	YEAR 2019	-----								
-----	YEAR 2020	-----								
-----	YEAR 2021	-----								

SEASONAL HEAT RATE PROFILE	SEASON 4	APRIL	-----									
			KYGER 38	KYGER 39	KYGER 40	KYGER 41	KYGER 42	MITCHELL 43	MITCHELL 44			
			KYGER 1	KYGER 2	KYGER 3	KYGER 4	KYGER 5	MITCHELL 1	MITCHELL 2			
-----	-----	-----	0	0	0	0	0	0	0			

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THermal UNIT	SEASON	4	APRIL	38	39	40	41	42	43	44
				KYGER	KYGER	KYGER	KYGER	KYGER	MITCHELL	MITCHELL
				1	2	3	4	5	1	2
---	YEAR 2022	---	---	---	---	---	---	---	---	---
---	YEAR 2023	---	---	---	---	---	---	---	---	---
---	YEAR 2024	---	---	---	---	---	---	---	---	---
---	YEAR 2025	---	---	---	---	---	---	---	---	---
---	YEAR 2026	---	---	---	---	---	---	---	---	---
---	YEAR 2027	---	---	---	---	---	---	---	---	---
---	YEAR 2028	---	---	---	---	---	---	---	---	---
---	YEAR 2029	---	---	---	---	---	---	---	---	---
---	YEAR 2030	---	---	---	---	---	---	---	---	---
---	YEAR 2031	---	---	---	---	---	---	---	---	---
---	YEAR 2032	---	---	---	---	---	---	---	---	---
---	YEAR 2033	---	---	---	---	---	---	---	---	---
---	YEAR 2034	---	---	---	---	---	---	---	---	---
---	YEAR 2035	---	---	---	---	---	---	---	---	---
---	YEAR 2036	---	---	---	---	---	---	---	---	---
---	YEAR 2037	---	---	---	---	---	---	---	---	---
---	YEAR 2038	---	---	---	---	---	---	---	---	---
---	YEAR 2039	---	---	---	---	---	---	---	---	---
---	YEAR 2040	---	---	---	---	---	---	---	---	---

THermal UNIT	SEASON	4	APRIL	45	46	47	48	49	50	51
				MOUNT	MUSK	MUSK	MUSK	MUSK	MUSK	P
				ER	RVR	RVR	RVR	RVR	RVR	SPORN
				1	1	2	3	4	5	1
---	YEAR 2011	---	---	45	0	0	0	0	0	0
---	SEASONAL HEAT RATE PROFILE	---	---	45	0	0	0	0	0	0
---	YEAR 2012	---	---	0	0	0	0	0	0	0
---	SEASONAL HEAT RATE PROFILE	---	---	0	0	0	0	0	0	0
---	YEAR 2013	---	---	---	---	---	---	---	---	---
---	YEAR 2014	---	---	150	0	0	0	0	0	0
---	SEASONAL HEAT RATE PROFILE	---	---	150	0	0	0	0	0	0
---	YEAR 2015	---	---	0	0	0	0	0	0	0
---	SEASONAL HEAT RATE PROFILE	---	---	0	0	0	0	0	0	0
---	YEAR 2016	---	---	---	---	---	---	---	---	---
---	YEAR 2017	---	---	---	---	---	---	---	---	---
---	YEAR 2018	---	---	---	---	---	---	---	---	---
---	YEAR 2019	---	---	---	---	---	---	---	---	---
---	YEAR 2020	---	---	---	---	---	---	---	---	---
---	YEAR 2021	---	---	---	---	---	---	---	---	---
---	YEAR 2022	---	---	---	---	---	---	---	---	---
---	YEAR 2023	---	---	---	---	---	---	---	---	---
---	YEAR 2024	---	---	---	---	---	---	---	---	---
---	YEAR 2025	---	---	---	---	---	---	---	---	---
---	YEAR 2026	---	---	---	---	---	---	---	---	---
---	YEAR 2027	---	---	---	---	---	---	---	---	---
---	YEAR 2028	---	---	---	---	---	---	---	---	---
---	YEAR 2029	---	---	---	---	---	---	---	---	---
---	YEAR 2030	---	---	---	---	---	---	---	---	---
---	YEAR 2031	---	---	---	---	---	---	---	---	---
---	YEAR 2032	---	---	---	---	---	---	---	---	---
---	YEAR 2033	---	---	---	---	---	---	---	---	---
---	YEAR 2034	---	---	---	---	---	---	---	---	---

YEAR	HEAT RATE PROFILE	SEASON 4	APRIL	52	53	54	55	56	57	58
YEAR	HEAT RATE PROFILE	SEASON 4	APRIL	P SPORN 2	P SPORN 3	P SPORN 4	P SPORN 5	PTOWAY 5	RPRPT_IM 1	RPRUN_IM 1
YEAR 2035	-----	-----	-----	0	0	0	0	0	0	0
YEAR 2036	-----	-----	-----	0	0	0	0	0	0	0
YEAR 2037	-----	-----	-----	0	0	0	0	0	0	0
YEAR 2038	-----	-----	-----	0	0	0	0	0	0	0
YEAR 2039	-----	-----	-----	0	0	0	0	0	0	0
YEAR 2040	-----	-----	-----	0	0	0	0	0	0	0
YEAR 2011	-----	-----	-----	0	0	0	0	0	0	0
YEAR 2012	-----	-----	-----	0	0	0	0	0	0	0
YEAR 2013	-----	-----	-----	0	0	0	0	0	0	0
YEAR 2014	-----	-----	-----	0	0	0	0	0	0	0
YEAR 2015	-----	-----	-----	0	0	0	0	0	0	0
YEAR 2016	-----	-----	-----	0	0	0	0	0	0	0
YEAR 2017	-----	-----	-----	0	0	0	0	0	0	0
YEAR 2018	-----	-----	-----	0	0	0	0	0	0	0
YEAR 2019	-----	-----	-----	0	0	0	0	0	0	0
YEAR 2020	-----	-----	-----	0	0	0	0	0	0	0
YEAR 2021	-----	-----	-----	0	0	0	0	0	0	0
YEAR 2022	-----	-----	-----	0	0	0	0	0	0	0
YEAR 2023	-----	-----	-----	0	0	0	0	0	0	0
YEAR 2024	-----	-----	-----	0	0	0	0	0	0	0
YEAR 2025	-----	-----	-----	0	0	0	0	0	0	0
YEAR 2026	-----	-----	-----	0	0	0	0	0	0	0
YEAR 2027	-----	-----	-----	0	0	0	0	0	0	0
YEAR 2028	-----	-----	-----	0	0	0	0	0	0	0
YEAR 2029	-----	-----	-----	0	0	0	0	0	0	0
YEAR 2030	-----	-----	-----	0	0	0	0	0	0	0
YEAR 2031	-----	-----	-----	0	0	0	0	0	0	0
YEAR 2032	-----	-----	-----	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 4	APRIL	52	53	54	55	56	57	58
YEAR 2033	P SPORN 2	P SPORN 3	P SPORN 4	P SPORN 5	PICWAY 5	RPRET_IM 1	RPRUN_IM 1		
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT	SEASON 4	APRIL	59	61	62	63	64	65	66
YEAR 2011	ROCKP_IM 2	STUART 1	STUART 2	STUART 3	STUART 4	AMOS_AP 3	TANN 1-3 1		
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

THERMAL UNIT	SEASON 4	APRIL	67	68	69	70	71	72	73
YEAR 2011	TANN 1-3 2	TANN 1-3 3	TANN 4 4	ZIMMER 1	ROBTMONE 1	ROBTMONE 2	ROBTMONE 3		
YEAR 2012									
YEAR 2013									

----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

SEASON	4	APRIL	-----	-----	-----	-----	-----	-----	-----
THERMAL UNIT									
			75						
			CEREDO 1						
			0						
			76						
			CEREDO 2						
			0						
			77						
			CEREDO 3						
			0						
			78						
			CEREDO 4						
			0						
			79						
			CEREDO 5						
			0						
			80						
			CEREDO 6						
			0						
			DARBY 1						
			0						

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

YEAR	SEASON	APRIL	89	90	91	92	93	94	101
YEAR	SEASON	APRIL	IMBG SMR	IMBG SMR	WATR CC	WATR2	DRESDEN	DRESD2	NUCLEAR
YEAR 2026	4		0	0	0	0	0	0	0
YEAR 2027	4		0	0	0	0	0	0	0
YEAR 2028	4		0	0	0	0	0	0	0
YEAR 2029	4		0	0	0	0	0	0	0
YEAR 2030	4		0	0	0	0	0	0	0
YEAR 2031	4		0	0	0	0	0	0	0
YEAR 2032	4		0	0	0	0	0	0	0
YEAR 2033	4		0	0	0	0	0	0	0
YEAR 2034	4		0	0	0	0	0	0	0
YEAR 2035	4		0	0	0	0	0	0	0
YEAR 2036	4		0	0	0	0	0	0	0
YEAR 2037	4		0	0	0	0	0	0	0
YEAR 2038	4		0	0	0	0	0	0	0
YEAR 2039	4		0	0	0	0	0	0	0
YEAR 2040	4		0	0	0	0	0	0	0
=====									
SEASONAL HEAT RATE PROFILE	SEASON	APRIL	89	90	91	92	93	94	101
YEAR 2011	4		1	2	1	1	1	1	1
YEAR 2012	4		0	0	0	0	0	0	0
YEAR 2013	4		0	0	0	0	0	0	0
YEAR 2014	4		0	0	0	0	0	0	0
YEAR 2015	4		0	0	0	0	0	0	0
YEAR 2016	4		0	0	0	0	0	0	0
YEAR 2017	4		0	0	0	0	0	0	0
YEAR 2018	4		0	0	0	0	0	0	0
YEAR 2019	4		0	0	0	0	0	0	0
YEAR 2020	4		0	0	0	0	0	0	0
YEAR 2021	4		0	0	0	0	0	0	0
YEAR 2022	4		0	0	0	0	0	0	0
YEAR 2023	4		0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

YEAR	HEAT RATE PROFILE	109	110	111	114	115	124	125
YEAR 2038		0	0	183	0	0	0	0
YEAR 2039		0	0	183	0	0	0	0
YEAR 2040		0	0	183	0	0	0	0
THERMAL UNIT SEASON 4 APRIL								
YEAR 2011	CC 2x17A	109	110	111	114	115	124	125
YEAR 2012		0	0	183	0	0	0	0
YEAR 2013		0	0	183	0	0	0	0
YEAR 2014		0	0	183	0	0	0	0
YEAR 2015		0	0	183	0	0	0	0
YEAR 2016		0	0	183	0	0	0	0
YEAR 2017		0	0	183	0	0	0	0
YEAR 2018		0	0	183	0	0	0	0
YEAR 2019		0	0	183	0	0	0	0
YEAR 2020		0	0	183	0	0	0	0
YEAR 2021		0	0	183	0	0	0	0
YEAR 2022		0	0	183	0	0	0	0
YEAR 2023		0	0	183	0	0	0	0
YEAR 2024		0	0	183	0	0	0	0
YEAR 2025		0	0	183	0	0	0	0
YEAR 2026		0	0	183	0	0	0	0
YEAR 2027		0	0	183	0	0	0	0
YEAR 2028		0	0	183	0	0	0	0
YEAR 2029		0	0	183	0	0	0	0
YEAR 2030		0	0	183	0	0	0	0
YEAR 2031		0	0	183	0	0	0	0
YEAR 2032		0	0	183	0	0	0	0
YEAR 2033		0	0	183	0	0	0	0
YEAR 2034		0	0	183	0	0	0	0
YEAR 2035		0	0	183	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	4	APRIL	109	110	111	114	115	124	125
-----	YEAR 2036	-----	-----	CC 2x1FA 1	CC 1x17H 1	BS2_CC 1	CT GE7FA 1	CT_GE7EA 1	BS2_FGD 2	BS1_FGD 1
-----	YEAR 2037	-----	-----							
-----	YEAR 2038	-----	-----							
-----	YEAR 2039	-----	-----							
-----	YEAR 2040	-----	-----							

THERMAL UNIT	SEASON	4	APRIL	126	127	129	130	131	132	133
-----	YEAR 2011	-----	-----	CSV5_SCR 5	CSV6_SCR 6	CR1_NGCC 1	CR2_NGCC 2	MR5_NGCC 5	MR5_FGD 5	RP1D_IM 1
-----	SEASONAL HEAT RATE PROFILE	-----	-----	0	0	0	0	0	0	0
-----	YEAR 2012	-----	-----							
-----	YEAR 2013	-----	-----							
-----	YEAR 2014	-----	-----							
-----	YEAR 2015	-----	-----							
-----	YEAR 2016	-----	-----							
-----	YEAR 2017	-----	-----							
-----	YEAR 2018	-----	-----							
-----	YEAR 2019	-----	-----							
-----	YEAR 2020	-----	-----							
-----	YEAR 2021	-----	-----							
-----	YEAR 2022	-----	-----							
-----	YEAR 2023	-----	-----							
-----	YEAR 2024	-----	-----							
-----	YEAR 2025	-----	-----							
-----	YEAR 2026	-----	-----							
-----	YEAR 2027	-----	-----							
-----	YEAR 2028	-----	-----							
-----	YEAR 2029	-----	-----							
-----	YEAR 2030	-----	-----							
-----	YEAR 2031	-----	-----							
-----	YEAR 2032	-----	-----							
-----	YEAR 2033	-----	-----							
-----	YEAR 2034	-----	-----							
-----	YEAR 2035	-----	-----							
-----	YEAR 2036	-----	-----							
-----	YEAR 2037	-----	-----							
-----	YEAR 2038	-----	-----							
-----	YEAR 2039	-----	-----							
-----	YEAR 2040	-----	-----							

THERMAL UNIT	SEASON	4	APRIL	134	135	136	137	144	145	146
-----	YEAR 2011	-----	-----	RP2D_IM 2	TAN4_FGD 4	RP1D_KP 1	RP2D_KP 2	TC4_ESP 4	A3908_AP 3	A3908_OP 3
-----	SEASONAL HEAT RATE PROFILE	-----	-----	0	0	0	0	0	0	0
-----	YEAR 2012	-----	-----							
-----	YEAR 2013	-----	-----							
-----	YEAR 2014	-----	-----							
-----	YEAR 2015	-----	-----							
-----	YEAR 2016	-----	-----							

----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

SEASON	4	APRIL	147	148	149	150	151	153	154
MIN_90%	1	1	2	1	2	1	2	1	1
YEAR 2011	0	0	0	0	0	0	0	0	0
YEAR 2012									
YEAR 2013									
YEAR 2014	150	0	0	0	0	0	0	150	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	4	APRIL													
			147	148	149	150	151	153	154	155	156	157				
SEASONAL HEAT RATE PROFILE	YEAR 2015	-----	MIN_90%	RPT1_90%	RPT2_90%	GVL_90%	GV2_90%	MTN_18%	CC_FA_KP	CT_OHIO	CC_OH	CT_I&M	CC_I&M	CT_APCO	CC_APCO	CT_KPCO
SEASONAL HEAT RATE PROFILE	YEAR 2015	-----	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-----	YEAR 2016	-----														
-----	YEAR 2017	-----														
-----	YEAR 2018	-----														
-----	YEAR 2019	-----														
-----	YEAR 2020	-----														
-----	YEAR 2021	-----														
-----	YEAR 2022	-----														
-----	YEAR 2023	-----														
-----	YEAR 2024	-----														
-----	YEAR 2025	-----														
-----	YEAR 2026	-----														
-----	YEAR 2027	-----														
-----	YEAR 2028	-----														
-----	YEAR 2029	-----														
-----	YEAR 2030	-----														
-----	YEAR 2031	-----														
-----	YEAR 2032	-----														
-----	YEAR 2033	-----														
-----	YEAR 2034	-----														
-----	YEAR 2035	-----														
-----	YEAR 2036	-----														
-----	YEAR 2037	-----														
-----	YEAR 2038	-----														
-----	YEAR 2039	-----														
-----	YEAR 2040	-----														
-----	SEASON	4	APRIL													
-----	THERMAL UNIT	-----	147	148	149	150	151	153	154	155	156	157	158	159	160	161
-----	SEASONAL HEAT RATE PROFILE	-----	MIN_90%	RPT1_90%	RPT2_90%	GVL_90%	GV2_90%	MTN_18%	CC_FA_KP	CT_OHIO	CC_OH	CT_I&M	CC_I&M	CT_APCO	CC_APCO	CT_KPCO
-----	YEAR 2011	-----	1	1	2	1	2	1	1	1	1	1	1	1	1	1
-----	YEAR 2012	-----	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-----	YEAR 2013	-----														
-----	YEAR 2014	-----														
-----	YEAR 2015	-----														
-----	YEAR 2016	-----														
-----	YEAR 2017	-----														
-----	YEAR 2018	-----														
-----	YEAR 2019	-----														
-----	YEAR 2020	-----														
-----	YEAR 2021	-----														
-----	YEAR 2022	-----														
-----	YEAR 2023	-----														
-----	YEAR 2024	-----														
-----	YEAR 2025	-----														
-----	YEAR 2026	-----														
-----	YEAR 2027	-----														
-----	YEAR 2028	-----														

YEAR	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
YEAR 2029	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2030	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2031	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2032	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2033	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2034	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2035	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2036	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2037	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2038	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2039	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2040	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
THERMAL UNIT SEASON 4 APRIL												
SEASONAL HEAT RATE PROFILE	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2011	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2012	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2013	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2014	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2015	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2016	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2017	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2018	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2019	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2020	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2021	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2022	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2023	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2024	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2025	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2026	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THermal UNIT	SEASON 4	APRIL	162	163	164	165	166	168	169
	CC_KPCO	BS2 FGD	BS2 FGD	BS2 FGD	BS2 FGD	BS2 FGD	IGCC KP	IGCC AP	PC_UL_AP
	1	1	5	22	23	1	1	1	1
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THermal UNIT	SEASON 4	APRIL	170	171	172	173	174	175	176
	Nuke_AP	IGCC IM	PC_UL_IM	NUKE_IM	IGCC KP	PC_UL_KP	NUKE_KP		
	1	1	1	1	1	1	1	1	1
YEAR 2011									
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

4-Company East Optimization

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038
ICCC OH	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177
PC_UL_OH	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178
NUKE OH	179	179	179	179	179	179	179	179	179	179	179	179	179	179	179	179	179	179	179	179	179	179	179	179	179	179	179	179
RP1D_03	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181
RP1D_04	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182
RP1D_08	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183
RP1D_20	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

YEAR 2039	YEAR 2040
177	178
IGCC OH 1	PC_UH_OH 1
179	NUKE OH 1
181	RP1D_03 1
182	RP1D_04 1
183	RP1D_08 1
184	RP1D_20 1

YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
186	187	188	189	190	191	191	191	223																					
RP1TR_IM 1	RP2TR_IM 2	RP1TR_KP 1	RP2TR_KP 2	T4_TROWA 4	T4_TRCCR 4	MR_STKR1 1																							

SEASONAL HEAT RATE PROFILE	SEASON 4	APRIL
YEAR 2011	186	187
YEAR 2012	187	188
YEAR 2013	188	189
YEAR 2014	189	190
YEAR 2015	190	191
YEAR 2016	191	191
YEAR 2017	191	191
YEAR 2018	191	191
YEAR 2019	223	223
YEAR 2020		
YEAR 2021		
YEAR 2022		
YEAR 2023		
YEAR 2024		
YEAR 2025		
YEAR 2026		
YEAR 2027		
YEAR 2028		
YEAR 2029		
YEAR 2030		
YEAR 2031		
YEAR 2032		
YEAR 2033		
YEAR 2034		
YEAR 2035		
YEAR 2036		
YEAR 2037		
YEAR 2038		
YEAR 2039		
YEAR 2040		

THERMAL UNIT	SEASON 4	APRIL
MR_STKR2	224	228
AMS3_ST	3	3
BS2_ST	2	2
MRS_CF	5	5
MR5_ST	5	5
RPT1_CF	1	1
RPT2_CF	2	2

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0

YEAR	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
SEASONAL HEAT RATE PROFILE																					
YEAR 2011																					
YEAR 2012																					
YEAR 2013																					
YEAR 2014																					
YEAR 2015																					
YEAR 2016																					
YEAR 2017																					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

THERMAL UNIT SEASON 4 APRIL
 =====
 RPT1_SI 234 RPT2_SI 235 DC1_HPR 251 DC1_IS 252 DC1_BPF 253 DC1_17 254 DC1_3800 255
 1 2 1 1 1 1 1

YEAR 2011 0 0 0 0 0 0 0
 YEAR 2012 0 0 0 0 0 0 0
 YEAR 2013 0 0 0 0 0 0 0
 YEAR 2014 0 0 0 0 0 0 0
 YEAR 2015 0 0 0 0 0 0 0
 YEAR 2016 0 0 0 0 0 0 0
 YEAR 2017 0 0 0 0 0 0 0

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	APRIL	DC2_HPT	DC2_EPF	DC2_SBU	DC2_3800	BIGSD_15	BIGSD_GP	CLM_Q_HM
YEAR 2018	4								
YEAR 2019	4								
YEAR 2020	4								
YEAR 2021	4								
YEAR 2022	4								
YEAR 2023	4								
YEAR 2024	4								
YEAR 2025	4								
YEAR 2026	4								
YEAR 2027	4								
YEAR 2028	4								
YEAR 2029	4								
YEAR 2030	4								
YEAR 2031	4								
YEAR 2032	4								
YEAR 2033	4								
YEAR 2034	4								
YEAR 2035	4								
YEAR 2036	4								
YEAR 2037	4								
YEAR 2038	4								
YEAR 2039	4								
YEAR 2040	4								

THERMAL UNIT	SEASON	APRIL	DC2_HPT	DC2_EPF	DC2_SBU	DC2_3800	BIGSD_15	BIGSD_GP	CLM_Q_HM
YEAR 2011	4		257	258	259	260	269	270	271
YEAR 2012	4		2	2	2	2	1	1	1
YEAR 2013	4								
YEAR 2014	4								
YEAR 2015	4								
YEAR 2016	4								
YEAR 2017	4								
YEAR 2018	4								
YEAR 2019	4								
YEAR 2020	4								
YEAR 2021	4								
YEAR 2022	4								
YEAR 2023	4								
YEAR 2024	4								
YEAR 2025	4								
YEAR 2026	4								
YEAR 2027	4								
YEAR 2028	4								
YEAR 2029	4								
YEAR 2030	4								
YEAR 2031	4								

YEAR	HEAT RATE	PROFIT	CLN_Q_15	CLN_Q_HM	CLN_Q_15	CLN_Q_HM	CLN_Q_15	CVL_3_HM	CVL_3_10
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									
----- THERMAL UNIT ----- SEASON 4 APRIL -----									
YEAR 2011			272	273	274	275	276	277	278
SEASONAL HEAT RATE			CLN_Q_15	CLN_Q_HM	CLN_Q_15	CLN_Q_HM	CLN_Q_15	CVL_3_HM	CVL_3_10
YEAR 2012		0	1	2	2	3	3	3	3
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

YEAR	SEASON	APRIL	272	273	274	275	276	277	278
YEAR 2030	4	CLN_Q_15_1	CLN_Q_HM_2	CLN_Q_15_2	CLN_Q_HM_3	CLN_Q_15_3	CVL_3_HM_3	CVL_3_10_3	
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

YEAR	SEASON	APRIL	279	280	281	282	283	284	285
YEAR 2011	4	GIN_5_HM_5	GIN_5_15_5	GIN_6_HM_6	GIN_6_15_6	KMR_F_HM_1	KMR_F_GP_1	KMR_F_HM_2	
SEASONAL HEAT RATE PROFILE		0	0	0	0	0	0	0	0
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

YEAR	SEASON	APRIL	286	287	288	289	290	291	292
YEAR 2011	4	KMR_F_GP_2	KMR_F_HM_3	KMR_F_GP_3	KWA_1_HM_1	KWA_1_15_1	KWA_2_HM_2	KWA_2_15_2	

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SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0
----- YEAR 2012 -----						
----- YEAR 2013 -----						
----- YEAR 2014 -----						
----- YEAR 2015 -----						
----- YEAR 2016 -----						
----- YEAR 2017 -----						
----- YEAR 2018 -----						
----- YEAR 2019 -----						
----- YEAR 2020 -----						
----- YEAR 2021 -----						
----- YEAR 2022 -----						
----- YEAR 2023 -----						
----- YEAR 2024 -----						
----- YEAR 2025 -----						
----- YEAR 2026 -----						
----- YEAR 2027 -----						
----- YEAR 2028 -----						
----- YEAR 2029 -----						
----- YEAR 2030 -----						
----- YEAR 2031 -----						
----- YEAR 2032 -----						
----- YEAR 2033 -----						
----- YEAR 2034 -----						
----- YEAR 2035 -----						
----- YEAR 2036 -----						
----- YEAR 2037 -----						
----- YEAR 2038 -----						
----- YEAR 2039 -----						
----- YEAR 2040 -----						

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 4				APRIL			
	MSKR1_HM 293 1	MSKR1_12 294 1	MSKR2_HM 295 2	MSKR2_12 296 2	MSKR3_GP 297 3	MR3HM_12 298 3	MSKR4_GP 299 4	
YEAR 2011								
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
THERMAL UNIT	SEASON 4				APRIL			
MAHM_12_4	300	301	302	303	304	305	306	
PICMY_HM_5	4	5	5	1	1	2	2	
YEAR 2011	0	0	0	0	0	0	0	
SEASONAL HEAT RATE PROFILE								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	4	APRIL	307	308	309	310	311	312	313
				SP3_Q_HM	SP3_Q_I5	SP4_Q_HM	SP4_Q_I5	SP5_HM	SP5_I5	TNR_F_HM
YEAR 2023				3	3	4	4	5	5	1
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THERMAL UNIT	SEASON	4	APRIL	314	315	316	317	318	319	320
				TNR_F_I5	TNR_F_HM	TNR_F_I5	TNR_F_HM	TNR_F_I5	PW_GP_I5	RH11Is
YEAR 2011				1	2	2	3	3	5	1
SEASONAL HEAT RATE PROFILE				0	0	0	0	0	0	0
YEAR 2012										
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 4	APRIL	500 DUMMY_OP	501 DUMMY_TM	502 DUMMY_AP	503 DUMMY_KP	958 CC_KPCO	959 RP2D_KP	960 RP2D_IM
YEAR 2035			0	0	0	0	958	959	960
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT	SEASON 4	APRIL	961 CSV6_SCR	962 CSV5_SCR	963 DUMMY_OP	964 DUMMY_OP	965 RP1D_03	966 RP1D_KP	967 BS2_FGD
YEAR 2011			961	962	963	964	965	966	967
SEASONAL HEAT RATE PROFILE			0	0	0	0	0	0	0
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
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YEAR 2026									
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YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT	SEASON 4	APRIL	968 CR2_NGCC	969 CR1_NGCC	970 MRS_NGCC	971 DUMMY_OP	972 DUMMY_OP	973 DUMMY_OP	974 DUMMY_OP
YEAR 2011			968	969	970	971	972	973	974
SEASONAL HEAT RATE PROFILE			0	0	0	0	0	0	0
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									

----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
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 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
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 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

----- THERMAL UNIT ----- SEASON 4 APRIL -----

	975 DUMMY_OP 975	976 DUMMY_OP 976	977 DUMMY_OP 977	978 DUMMY_OP 978	979 DUMMY_OP 979	980 DUMMY_OP 980	981 DUMMY_OP 981
----- YEAR 2011 -----	0	0	0	0	0	0	0
----- YEAR 2012 -----	0	0	0	0	0	0	0
----- YEAR 2013 -----	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 4	APRIL	975	976	977	978	979	980	981
YEAR 2014			DUMMY_OP 975	DUMMY_OP 976	DUMMY_OP 977	DUMMY_OP 978	DUMMY_OP 979	DUMMY_OP 980	DUMMY_OP 981
YEAR 2015			975	976	977	978	979	980	981
YEAR 2016			975	976	977	978	979	980	981
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT	SEASON 4	APRIL	982	983	984	985	986	987	988
SEASONAL HEAT RATE PROFILE			DUMMY_OP 982	DUMMY_OP 983	DUMMY_OP 984	DUMMY_OP 985	DUMMY_OP 986	DUMMY_OP 987	DUMMY_OP 988
YEAR 2011			982	983	984	985	986	987	988
YEAR 2012			0	0	0	0	0	0	0
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									

YEAR	SEASON	APRIL	989	990	991	992	993	994	995
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									
THERMAL UNIT									
SEASON 4									
APRIL									
SEASONAL HEAT RATE PROFILE			DUMMY OP	DUMMY OP	DUMMY OP	DUMMY OP	DUMMY OP	DUMMY OP	DUMMY OP
YEAR 2011			989	990	991	992	993	994	995
YEAR 2012			989	990	991	992	993	994	995
YEAR 2013			0	0	0	0	0	0	0
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 4	APRIL	989	990	991	992	993	994	995
			DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
			989	990	991	992	993	994	995

----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

THERMAL UNIT	SEASON 4	APRIL	996	997	998	999
			T4_TRONA	RP2TR_KP	RP2TR_IM	DUMMY_OP
			996	997	998	999

----- YEAR 2011 -----
 SEASONAL HEAT RATE PROFILE
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
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 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----

----- YEAR 2039 -----

YEAR 2040	SEASON 5	MAY	AMOS 1	AMOS 2	AMOS_OP 3	BECKJORD 4	BIG SAND 5	BIG SAND 6	CARD 1+2 7
YEAR 2011			1	2	3	4	5	6	7
YEAR 2012			0	0	0	0	0	0	0
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	MAY	CLIFFY	CLINCH R	CLINCH R	CLINCH R	ROCKP_KP	ROCKP_KP	CSVL 1-4
YEAR 2038	5	1	2	3	4	5	6	7	
YEAR 2039	5	1	2	3	4	5	6	7	
YEAR 2040	5	1	2	3	4	5	6	7	

THERMAL UNIT	SEASON	MAY	CLIFFY	CLINCH R	CLINCH R	CLINCH R	ROCKP_KP	ROCKP_KP	CSVL 1-4
YEAR 2011	5	8	9	10	11	12	13	14	
YEAR 2012	5	8	9	10	11	12	13	14	
YEAR 2013	5	8	9	10	11	12	13	14	
YEAR 2014	5	8	9	10	11	12	13	14	
YEAR 2015	5	8	9	10	11	12	13	14	
YEAR 2016	5	8	9	10	11	12	13	14	
YEAR 2017	5	8	9	10	11	12	13	14	
YEAR 2018	5	8	9	10	11	12	13	14	
YEAR 2019	5	8	9	10	11	12	13	14	
YEAR 2020	5	8	9	10	11	12	13	14	
YEAR 2021	5	8	9	10	11	12	13	14	
YEAR 2022	5	8	9	10	11	12	13	14	
YEAR 2023	5	8	9	10	11	12	13	14	
YEAR 2024	5	8	9	10	11	12	13	14	
YEAR 2025	5	8	9	10	11	12	13	14	
YEAR 2026	5	8	9	10	11	12	13	14	
YEAR 2027	5	8	9	10	11	12	13	14	
YEAR 2028	5	8	9	10	11	12	13	14	
YEAR 2029	5	8	9	10	11	12	13	14	
YEAR 2030	5	8	9	10	11	12	13	14	
YEAR 2031	5	8	9	10	11	12	13	14	
YEAR 2032	5	8	9	10	11	12	13	14	
YEAR 2033	5	8	9	10	11	12	13	14	
YEAR 2034	5	8	9	10	11	12	13	14	
YEAR 2035	5	8	9	10	11	12	13	14	
YEAR 2036	5	8	9	10	11	12	13	14	
YEAR 2037	5	8	9	10	11	12	13	14	
YEAR 2038	5	8	9	10	11	12	13	14	
YEAR 2039	5	8	9	10	11	12	13	14	
YEAR 2040	5	8	9	10	11	12	13	14	

THERMAL UNIT	SEASON	MAY	CLIFFY	CLINCH R	CLINCH R	CLINCH R	ROCKP_KP	ROCKP_KP	CSVL 1-4
YEAR 2011	5	15	16	17	18	19	20	21	
YEAR 2012	5	15	16	17	18	19	20	21	
YEAR 2013	5	15	16	17	18	19	20	21	
YEAR 2014	5	15	16	17	18	19	20	21	
YEAR 2015	5	15	16	17	18	19	20	21	
YEAR 2016	5	15	16	17	18	19	20	21	
YEAR 2017	5	15	16	17	18	19	20	21	
YEAR 2018	5	15	16	17	18	19	20	21	

----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
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 ----- YEAR 2024 -----
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 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

THERMAL UNIT	SEASON	5	MAY							
			22 CSVL 1-4 4	23 CSVL 5+6 5	24 CSVL 5+6 6	25 D C COOK 1	26 D C COOK 2	27 GAVIN 1	28 GAVIN 2	
SEASONAL HEAT RATE PROFILE	YEAR 2011		0	0	0	0	0	0	0	28
SEASONAL HEAT RATE PROFILE	YEAR 2012		0	0	0	0	0	0	0	0
SEASONAL HEAT RATE PROFILE	YEAR 2013									
SEASONAL HEAT RATE PROFILE	YEAR 2014									
SEASONAL HEAT RATE PROFILE	YEAR 2015									
SEASONAL HEAT RATE PROFILE	YEAR 2016									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 5		MAY		D C COOK		GAVIN	
	CSVL 1-4	CSVL 5+6	CSVL 1-4	CSVL 5+6	1	2	1	2
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

THERMAL UNIT	SEASON 5		MAY		KAMMER		KANAWHA	
	GLEN LYN	GLEN LYN	GLEN LYN	KAMMER	KAMMER	KANAWHA	KANAWHA	
YEAR 2011								
SEASONAL HEAT RATE PROFILE								
YEAR 2012	0	0	0	0	0	0	0	
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	5	MAY	38	39	40	41	42	43	44
				KYGER 1	KYGER 2	KYGER 3	KYGER 4	KYGER 5	MITCHELL 1	MITCHELL 2
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THERMAL UNIT	SEASON	5	MAY	45	46	47	48	49	50	51
				MOUNT ER 1	MUSK RVR 1	MUSK RVR 2	MUSK RVR 3	MUSK RVR 4	MUSK RVR 5	P SPORN 1
YEAR 2011				45	46	47	48	49	50	51
SEASONAL HEAT RATE PROFILE				45	0	0	0	0	0	0
YEAR 2012				0	0	0	0	0	0	0
SEASONAL HEAT RATE PROFILE				0	0	0	0	0	0	0
YEAR 2013										
YEAR 2014				150	0	0	0	0	0	0
SEASONAL HEAT RATE PROFILE				150	0	0	0	0	0	0
YEAR 2015				0	0	0	0	0	0	0
SEASONAL HEAT RATE PROFILE				0	0	0	0	0	0	0
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										
SEASON 5										
MAY										

4-Company East Optimization

SEASONAL HEAT RATE PROFILE	52 P SPORN 2	53 P SPORN 3	54 P SPORN 4	55 P SPORN 5	56 PICWAY 5	57 RPRET_IM 1	58 RPRUN_IM 1
YEAR 2011	0	0	0	0	0	0	0
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
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YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAR.INPUT.THERMAL UNIT.

YEAR 2040	MAY				
52	53	54	55	56	57
P SPORN 2	P SPORN 3	P SPORN 4	P SPORN 5	PICWAY 5	RPRPT_TM 1
					RPRUN_TM 1

YEAR 2011	MAY				
59	61	62	63	64	65
ROCKP_TM 2	STUART 1	STUART 2	STUART 3	STUART 4	AMOS_AP 3
					TANN 1-3 1

YEAR 2012	MAY				
0	0	0	0	0	0

YEAR 2013	MAY				
67	68	69	70	71	72
TANN 1-3 2	TANN 1-3 3	TANN 4 4	ZIMMER 1	ROBTWONE 1	ROBTWONE 2
					ROBTWONE 3
0	0	0	0	162	162
					162

YEAR 2014	MAY				
67	68	69	70	71	72
TANN 1-3 2	TANN 1-3 3	TANN 4 4	ZIMMER 1	ROBTWONE 1	ROBTWONE 2
					ROBTWONE 3
0	0	0	0	162	162
					162

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----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
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----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

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----- YEAR 2040 -----

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===== SEASON 5 MAY =====
THERMAL UNIT
-----
CEREDO 75
CEREDO 1 0
CEREDO 76
CEREDO 2 0
CEREDO 77
CEREDO 3 0
CEREDO 78
CEREDO 4 0
CEREDO 79
CEREDO 5 0
CEREDO 80
CEREDO 6 0
DARBY 81
DARBY 1 0

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----- YEAR 2011 -----
SEASONAL HEAT RATE PROFILE
----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----

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NOTE : DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

THERMAL UNIT	SEASON 5	MAY																		
YEAR 2019																				
YEAR 2020																				
YEAR 2021																				
YEAR 2022																				
YEAR 2023																				
YEAR 2024																				
YEAR 2025																				
YEAR 2026																				
YEAR 2027																				
YEAR 2028																				
YEAR 2029																				
YEAR 2030																				
YEAR 2031																				
YEAR 2032																				
YEAR 2033																				
YEAR 2034																				
YEAR 2035																				
YEAR 2036																				
YEAR 2037																				
YEAR 2038																				
YEAR 2039																				
YEAR 2040																				

THERMAL UNIT	SEASON 5	MAY											
DARBY 2	82	DARBY 3	83	DARBY 4	84	DARBY 5	85	DARBY 6	86	IMBG WIN 1	87	IMBG WIN 2	88

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

YEAR	2033	2034	2035	2036	2037	2038	2039	2040
YEAR 2033	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2034	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2035	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2036	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2037	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2038	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2039	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2040	-----	-----	-----	-----	-----	-----	-----	-----
SEASONAL HEAT RATE PROFILE	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2011	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2012	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2013	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2014	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2015	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2016	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2017	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2018	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2019	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2020	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2021	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2022	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2023	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2024	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2025	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2026	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2027	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2028	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2029	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2030	-----	-----	-----	-----	-----	-----	-----	-----

THERMAL UNIT SEASON 5 MAY =====
 IMRG SMR 89 IMRG SMR 90 WATR CC 91 WATR2 92 DRESDEN 93 DRESD2 94 NUCLEAR 101
 1 1 2 1 1 1 1 1 1

0 0 0 0 0 0 0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
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----- YEAR 2039 -----
----- YEAR 2040 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

-----	YEAR 2011	-----	YEAR 2012	-----	YEAR 2013	-----	YEAR 2014	-----	YEAR 2015	-----	YEAR 2016	-----	YEAR 2017	-----	YEAR 2018	-----	YEAR 2019	-----	YEAR 2020	-----	YEAR 2021	-----	YEAR 2022	-----	YEAR 2023	-----	YEAR 2024	-----
SEASONAL HEAT RATE PROFILE	SEASON 5	MAY	SEASON 5	MAY	SEASON 5	MAY	SEASON 5	MAY	SEASON 5	MAY	SEASON 5	MAY	SEASON 5	MAY	SEASON 5	MAY	SEASON 5	MAY	SEASON 5	MAY	SEASON 5	MAY	SEASON 5	MAY	SEASON 5	MAY	SEASON 5	MAY
-----	126	-----	127	-----	129	-----	130	-----	131	-----	132	-----	133	-----	134	-----	135	-----	136	-----	137	-----	144	-----	145	-----	146	-----
-----	CSV5_SCR	-----	CSV6_SCR	-----	CR1_NGCC	-----	CR2_NGCC	-----	MRS_NGCC	-----	MRS_FED	-----	RP1D_IM	-----	RP2D_IM	-----	TAM4_FGD	-----	RP1D_KP	-----	RP2D_KP	-----	TC4_ESP	-----	A3908_AP	-----	A3908_OP	-----
-----	5	-----	6	-----	1	-----	2	-----	5	-----	5	-----	1	-----	2	-----	4	-----	1	-----	2	-----	4	-----	3	-----	3	-----
YEAR 2011	0	YEAR 2012	0	YEAR 2013	0	YEAR 2014	0	YEAR 2015	0	YEAR 2016	0	YEAR 2017	0	YEAR 2018	0	YEAR 2019	0	YEAR 2020	0	YEAR 2021	0	YEAR 2022	0	YEAR 2023	0	YEAR 2024	0	
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

YEAR	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
SEASONAL HEAT RATE PROFILE	147	148	149	150	151	153	154	150	150	150	150	150	150	150	150	150
YEAR 2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2014	150	0	0	0	0	150	0	0	0	0	0	0	0	0	0	0
YEAR 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	5	MAY	147	148	149	150	151	153	154
			MIN_90%	RPT1_90%	RPT2_90%	GV1_90%	GV2_90%	MIN_18%	CC_FA_KP	
YEAR 2022			1	1	2	1	2	1	1	1
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THERMAL UNIT	SEASON	5	MAY	155	156	157	158	159	160	161
			CT_OHIO	CC_OH	CT_I&M	CC_I&M	CT_ARCO	CC_ARCO	CT_KPCO	
YEAR 2011			1	1	1	1	1	1	1	1
YEAR 2012			0	0	0	0	0	0	0	0
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										

YEAR	SEASON	MAY	CC_KPCO	BS2_FGD	BS2_FGD	BS2_FGD	BS2_FGD	BS2_FGD	IGCC_AP	PC_UL_AP
YEAR 2036	5	162	1	163	164	165	166	168	169	
YEAR 2037	5	0	1	0	5	22	23	1	1	
YEAR 2038	5	0	1	0	5	22	23	1	1	
YEAR 2039	5	0	1	0	5	22	23	1	1	
YEAR 2040	5	0	1	0	5	22	23	1	1	
YEAR 2011	5	0	1	0	5	22	23	1	1	
YEAR 2012	5	0	1	0	5	22	23	1	1	
YEAR 2013	5	0	1	0	5	22	23	1	1	
YEAR 2014	5	0	1	0	5	22	23	1	1	
YEAR 2015	5	0	1	0	5	22	23	1	1	
YEAR 2016	5	0	1	0	5	22	23	1	1	
YEAR 2017	5	0	1	0	5	22	23	1	1	
YEAR 2018	5	0	1	0	5	22	23	1	1	
YEAR 2019	5	0	1	0	5	22	23	1	1	
YEAR 2020	5	0	1	0	5	22	23	1	1	
YEAR 2021	5	0	1	0	5	22	23	1	1	
YEAR 2022	5	0	1	0	5	22	23	1	1	
YEAR 2023	5	0	1	0	5	22	23	1	1	
YEAR 2024	5	0	1	0	5	22	23	1	1	
YEAR 2025	5	0	1	0	5	22	23	1	1	
YEAR 2026	5	0	1	0	5	22	23	1	1	
YEAR 2027	5	0	1	0	5	22	23	1	1	
YEAR 2028	5	0	1	0	5	22	23	1	1	
YEAR 2029	5	0	1	0	5	22	23	1	1	
YEAR 2030	5	0	1	0	5	22	23	1	1	
YEAR 2031	5	0	1	0	5	22	23	1	1	
YEAR 2032	5	0	1	0	5	22	23	1	1	
YEAR 2033	5	0	1	0	5	22	23	1	1	

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT.

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT		SEASON 5		MAY	
YEAR 2034	CC_KPCO	162	163	164	165
YEAR 2035	BS2 FGD	1	1	5	22
YEAR 2036	BS2 FGD				23
YEAR 2037	IGCC AP				1
YEAR 2038	PC_UL_AP				1
YEAR 2039					
YEAR 2040					

THERMAL UNIT		SEASON 5		MAY	
YEAR 2011	Nuke_AP	170	171	172	173
YEAR 2012	IGCC IM	1	1	1	1
YEAR 2013	PC_UL_IM				1
YEAR 2014	NUKE IM				1
YEAR 2015	IGCC KP				1
YEAR 2016	PC_UL_KP				1
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT		SEASON 5		MAY	
YEAR 2011	IGCC OH	177	178	179	181
YEAR 2012	PC_UL_OH	1	1	1	1
YEAR 2013	NUKE OH				1
YEAR 2014	RPID_03				1
YEAR 2015	RPID_04				1
YEAR 2016	RPID_08				1
YEAR 2017	RPID_20				1
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT		SEASON 5		MAY	
YEAR 2011	IGCC OH	177	178	179	181
YEAR 2012	PC_UL_OH	1	1	1	1
YEAR 2013	NUKE OH				1
YEAR 2014	RPID_03				1
	RPID_04				1
	RPID_08				1
	RPID_20				1

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----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

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=====
THERMAL UNIT          SEASON 5      MAY
=====
RP1TR_1M          186
1
0
RP2TR_1M          187
2
0
RP1TR_KP          188
1
0
RP2TR_KP          189
2
0
T4_TFONA          190
4
0
T4_TRCCR          191
4
0
MR_STKR1          223
1
0
=====
SEASONAL HEAT RATE PROFILE
----- YEAR 2011 -----
----- YEAR 2012 -----

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NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

THERMAL UNIT	SEASON 5	MAY	186	187	188	189	190	191	223
			RP1TR_IM 1	RP2TR_IM 2	RP1TR_KP 1	RP2TR_KP 2	T4_TRONA 4	T4_TRCCR 4	MR_STKR1 1
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT	SEASON 5	MAY	224	228	229	230	231	232	233
			MR_STKR2 1	AMS3_SI 3	BS2_SI 2	MRS_CF 5	MRS_SI 5	RPT1_CF 1	RPT2_CF 2
YEAR 2011			0	0	0	0	0	0	0
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									

YEAR	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
SEASONAL HEAT RATE PROFITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
THERMAL UNIT	SEASON 5	MAY												
	RP11_SI 234	RP12_SI 235	DC1_HPT 251	DC1_IS 252	DC1_EFF 253	DC1_I17 254	DC1_3800 255							
YEAR 2011	1	2	1	1	1	1	1							
YEAR 2012														
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														
YEAR 2018														
YEAR 2019														
YEAR 2020														
YEAR 2021														
YEAR 2022														
YEAR 2023														
YEAR 2024														

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 5	MAY	SEASON 5	MAY	SEASON 5	MAY	SEASON 5	MAY	SEASON 5	MAY	SEASON 5	MAY		
YEAR 2037	CLN_Q_15_1	272	CLN_Q_HM_2	273	CLN_Q_15_2	274	CLN_Q_HM_3	275	CLN_Q_15_3	276	CVL_3_HM_3	277	CVL_3_10_3	278
YEAR 2038														
YEAR 2039														
YEAR 2040														

THERMAL UNIT	SEASON 5	MAY	SEASON 5	MAY	SEASON 5	MAY	SEASON 5	MAY	SEASON 5	MAY	SEASON 5	MAY		
YEAR 2011	GLN_5_HM_5	279	GLN_5_15_5	280	GLN_6_HM_6	281	GLN_6_15_6	282	KMR_F_HM_1	283	KMR_F_GP_1	284	KMR_F_HM_2	285
YEAR 2012		0		0		0		0		0		0		0
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														
YEAR 2018														
YEAR 2019														
YEAR 2020														
YEAR 2021														
YEAR 2022														
YEAR 2023														
YEAR 2024														
YEAR 2025														
YEAR 2026														
YEAR 2027														
YEAR 2028														
YEAR 2029														
YEAR 2030														
YEAR 2031														
YEAR 2032														
YEAR 2033														
YEAR 2034														
YEAR 2035														
YEAR 2036														
YEAR 2037														
YEAR 2038														
YEAR 2039														
YEAR 2040														

THERMAL UNIT	SEASON 5	MAY	SEASON 5	MAY	SEASON 5	MAY	SEASON 5	MAY	SEASON 5	MAY	SEASON 5	MAY		
YEAR 2011	KMR_F_GP_2	286	KMR_F_HM_3	287	KMR_F_GP_5	288	KWA_1_HM_1	289	KWA_1_15_1	290	KWA_2_HM_2	291	KWA_2_15_2	292
YEAR 2012		0		0		0		0		0		0		0
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														

----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

SEASONAL HEAT RATE PROFILE	SEASON 5	MAY	293	294	295	296	297	298	299
----- YEAR 2011 -----	-----	-----	MSKR1_HM	MSKR1_12	MSKR2_HM	MSKR2_12	MSKR3_GP	MR3HM_12	MSKR4_GP
----- YEAR 2012 -----	-----	-----	1	1	2	2	3	3	4
0	0	0	0	0	0	0	0	0	0
----- YEAR 2013 -----	-----	-----							
----- YEAR 2014 -----	-----	-----							
----- YEAR 2015 -----	-----	-----							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	MAY	MSKR1_HM	MSKR1_I2	MSKR2_HM	MSKR2_I2	MSKR3_GP	MR3HM_I2	MSKR4_GP
YEAR 2016	5		293	294	295	296	297	298	299
YEAR 2017	5		1	1	2	2	3	3	4
YEAR 2018	5								
YEAR 2019	5								
YEAR 2020	5								
YEAR 2021	5								
YEAR 2022	5								
YEAR 2023	5								
YEAR 2024	5								
YEAR 2025	5								
YEAR 2026	5								
YEAR 2027	5								
YEAR 2028	5								
YEAR 2029	5								
YEAR 2030	5								
YEAR 2031	5								
YEAR 2032	5								
YEAR 2033	5								
YEAR 2034	5								
YEAR 2035	5								
YEAR 2036	5								
YEAR 2037	5								
YEAR 2038	5								
YEAR 2039	5								
YEAR 2040	5								

THERMAL UNIT	SEASON	MAY	M4HM_I2	PICWY_HM	PICWY_GP	SP1_F_HM	SP1_F_I2	SP2_F_HM	SP2_F_I2
YEAR 2011	5	300	4	5	5	1	1	2	2
YEAR 2012	5	0		0	0	0	0	0	0
YEAR 2013	5								
YEAR 2014	5								
YEAR 2015	5								
YEAR 2016	5								
YEAR 2017	5								
YEAR 2018	5								
YEAR 2019	5								
YEAR 2020	5								
YEAR 2021	5								
YEAR 2022	5								
YEAR 2023	5								
YEAR 2024	5								
YEAR 2025	5								
YEAR 2026	5								
YEAR 2027	5								
YEAR 2028	5								
YEAR 2029	5								

YEAR	HEAT RATE PROFILE	SP3_Q_HM	SP3_Q_15	SP4_Q_HM	SP4_Q_15	SP5_HM	SP5_15	TNR_F_HM
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								
THERMAL UNIT		SEASON 5		MAY				
SEASONAL HEAT RATE PROFILE		307	308	309	310	311	312	313
YEAR 2011		0	0	0	0	0	0	0
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

4-Company East Optimization

SEASONAL HEAT RATE PROFILE	DUMMY_OP_0	DUMMY_IM_0	DUMMY_AP_0	DUMMY_KP_0	CC_KPCO_958	RP2D_KP_959	RP2D_IM_960
YEAR 2011	0	0	0	0	0	0	0
YEAR 2012	0	0	0	0	0	0	0
YEAR 2013	0	0	0	0	0	0	0
YEAR 2014	0	0	0	0	0	0	0
YEAR 2015	0	0	0	0	0	0	0
YEAR 2016	0	0	0	0	0	0	0
YEAR 2017	0	0	0	0	0	0	0
YEAR 2018	0	0	0	0	0	0	0
YEAR 2019	0	0	0	0	0	0	0
YEAR 2020	0	0	0	0	0	0	0
YEAR 2021	0	0	0	0	0	0	0
YEAR 2022	0	0	0	0	0	0	0
YEAR 2023	0	0	0	0	0	0	0
YEAR 2024	0	0	0	0	0	0	0
YEAR 2025	0	0	0	0	0	0	0
YEAR 2026	0	0	0	0	0	0	0
YEAR 2027	0	0	0	0	0	0	0
YEAR 2028	0	0	0	0	0	0	0
YEAR 2029	0	0	0	0	0	0	0
YEAR 2030	0	0	0	0	0	0	0
YEAR 2031	0	0	0	0	0	0	0
YEAR 2032	0	0	0	0	0	0	0
YEAR 2033	0	0	0	0	0	0	0
YEAR 2034	0	0	0	0	0	0	0
YEAR 2035	0	0	0	0	0	0	0
YEAR 2036	0	0	0	0	0	0	0
YEAR 2037	0	0	0	0	0	0	0
YEAR 2038	0	0	0	0	0	0	0
YEAR 2039	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	MAY	500	501	502	503	958	959	960
	5		DUMMY_OP	DUMMY_IM	DUMMY_AP	DUMMY_KP	CC_KPCO	RP2D_KP	RP2D_IM
			0	0	0	0	958	959	960

THERMAL UNIT	SEASON	MAY	961	962	963	964	965	966	967
	5		CSV6_SCR	CSV5_SCR	DUMMY_OP	DUMMY_OP	RP1D_03	RP1D_KP	BS2_FGD
			961	962	963	964	965	966	967

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

THERMAL UNIT	SEASON	MAY	968	969	970	971	972	973	974
	5		CR2_NGCC	CR1_NGCC	HRS_NGCC	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
			968	969	970	971	972	973	974

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020
	0	0	0	0	0	0	0	0	0	0

YEAR	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
SEASONAL HEAT RATE PROFILE																				
YEAR 2011																				
YEAR 2012																				
YEAR 2013																				
YEAR 2014																				
YEAR 2015																				
YEAR 2016																				
YEAR 2017																				
YEAR 2018																				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 5	MAY	975	976	977	978	979	980	981
YEAR 2019			DUMMY_OP 975	DUMMY_OP 976	DUMMY_OP 977	DUMMY_OP 978	DUMMY_OP 979	DUMMY_OP 980	DUMMY_OP 981
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT	SEASON 5	MAY	982	983	984	985	986	987	988
YEAR 2011			DUMMY_OP 982	DUMMY_OP 983	DUMMY_OP 984	DUMMY_OP 985	DUMMY_OP 986	DUMMY_OP 987	DUMMY_OP 988
YEAR 2012			0	0	0	0	0	0	0
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040	MAY						
THERMAL UNIT								989	990	991	992	993	994	995
SEASON 5								DUMMY OP	DUMMY OP	DUMMY OP	DUMMY OP	DUMMY OP	DUMMY OP	DUMMY OP
SEASONAL HEAT RATE PROFILE								589	590	591	592	593	594	595
YEAR 2011								0	0	0	0	0	0	0
YEAR 2012														
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														
YEAR 2018														
YEAR 2019														
YEAR 2020														
YEAR 2021														
YEAR 2022														
YEAR 2023														
YEAR 2024														
YEAR 2025														
YEAR 2026														
YEAR 2027														
YEAR 2028														
YEAR 2029														
YEAR 2030														

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 5	MAY	989	990	991	992	993	994	995
-----	YEAR 2031	-----	DUMKY_OP	DUMKY_OP	DUMKY_OP	DUMKY_OP	DUMKY_OP	DUMKY_OP	DUMKY_OP
-----	YEAR 2032	-----	989	990	991	992	993	994	995
-----	YEAR 2033	-----	989	990	991	992	993	994	995
-----	YEAR 2034	-----							
-----	YEAR 2035	-----							
-----	YEAR 2036	-----							
-----	YEAR 2037	-----							
-----	YEAR 2038	-----							
-----	YEAR 2039	-----							
-----	YEAR 2040	-----							

THERMAL UNIT	SEASON 5	MAY	996	997	998	999
-----	YEAR 2011	-----	T4_TRONA	RP2TR_KP	RP2TR_IM	DUMKY_OP
-----	SEASONAL HEAT RATE PROFILE	-----	996	997	998	999
-----	YEAR 2012	-----	996	997	998	999
-----	YEAR 2013	-----				
-----	YEAR 2014	-----				
-----	YEAR 2015	-----				
-----	YEAR 2016	-----				
-----	YEAR 2017	-----				
-----	YEAR 2018	-----				
-----	YEAR 2019	-----				
-----	YEAR 2020	-----				
-----	YEAR 2021	-----				
-----	YEAR 2022	-----				
-----	YEAR 2023	-----				
-----	YEAR 2024	-----				
-----	YEAR 2025	-----				
-----	YEAR 2026	-----				
-----	YEAR 2027	-----				
-----	YEAR 2028	-----				
-----	YEAR 2029	-----				
-----	YEAR 2030	-----				
-----	YEAR 2031	-----				
-----	YEAR 2032	-----				
-----	YEAR 2033	-----				
-----	YEAR 2034	-----				
-----	YEAR 2035	-----				
-----	YEAR 2036	-----				
-----	YEAR 2037	-----				
-----	YEAR 2038	-----				
-----	YEAR 2039	-----				
-----	YEAR 2040	-----				

THERMAL UNIT	SEASON 6	JUNE	1	2	3	4	5	6	7
-----	YEAR 2011	-----	AMOS	AMOS	AMOS_OP	BECKJORD	BIG SAND	BIG SAND	CARD 1+2
-----	SEASONAL HEAT RATE PROFILE	-----	1	2	3	4	5	6	7
-----	YEAR 2011	-----	1	2	3	4	5	6	7
-----	YEAR 2012	-----	1	2	3	4	5	6	7
-----	YEAR 2013	-----	1	2	3	4	5	6	7
-----	YEAR 2014	-----	1	2	3	4	5	6	7
-----	YEAR 2015	-----	1	2	3	4	5	6	7
-----	YEAR 2016	-----	1	2	3	4	5	6	7
-----	YEAR 2017	-----	1	2	3	4	5	6	7
-----	YEAR 2018	-----	1	2	3	4	5	6	7
-----	YEAR 2019	-----	1	2	3	4	5	6	7
-----	YEAR 2020	-----	1	2	3	4	5	6	7
-----	YEAR 2021	-----	1	2	3	4	5	6	7
-----	YEAR 2022	-----	1	2	3	4	5	6	7
-----	YEAR 2023	-----	1	2	3	4	5	6	7
-----	YEAR 2024	-----	1	2	3	4	5	6	7
-----	YEAR 2025	-----	1	2	3	4	5	6	7
-----	YEAR 2026	-----	1	2	3	4	5	6	7
-----	YEAR 2027	-----	1	2	3	4	5	6	7
-----	YEAR 2028	-----	1	2	3	4	5	6	7
-----	YEAR 2029	-----	1	2	3	4	5	6	7
-----	YEAR 2030	-----	1	2	3	4	5	6	7
-----	YEAR 2031	-----	1	2	3	4	5	6	7
-----	YEAR 2032	-----	1	2	3	4	5	6	7
-----	YEAR 2033	-----	1	2	3	4	5	6	7
-----	YEAR 2034	-----	1	2	3	4	5	6	7
-----	YEAR 2035	-----	1	2	3	4	5	6	7
-----	YEAR 2036	-----	1	2	3	4	5	6	7
-----	YEAR 2037	-----	1	2	3	4	5	6	7
-----	YEAR 2038	-----	1	2	3	4	5	6	7
-----	YEAR 2039	-----	1	2	3	4	5	6	7
-----	YEAR 2040	-----	1	2	3	4	5	6	7

----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	6	JUNE						
			CARD 1+2	CARD 3	CLIFFY 1	CLIFFY 2	CLIFFY 3		
YEAR 2011			8	9	10	11	12	13	14
SEASONAL HEAT RATE PROFILE			2	3	1	2	3	4	5
YEAR 2012			0	0	0	0	0	0	0
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT	SEASON	6	JUNE						
			CLIFFY 6	CLINCH R 1	CLINCH R 2	CLINCH R 3	ROCKP_KP 1		
YEAR 2011			15	16	17	18	19	20	21
SEASONAL HEAT RATE PROFILE			6	1	2	3	1	2	1-4
YEAR 2012			0	0	0	0	0	0	3
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									

YEAR	HEAT RATE PROFILE	CSVL 1-4	CSVL 5+6	CSVL 5+6	D C COOK 1	D C COOK 2	GAVIN 1	GAVIN 2
YEAR 2025	-----	22	23	24	25	26	27	28
YEAR 2026	-----	4	5	6	1	2	1	2
YEAR 2027	-----							
YEAR 2028	-----							
YEAR 2029	-----							
YEAR 2030	-----							
YEAR 2031	-----							
YEAR 2032	-----							
YEAR 2033	-----							
YEAR 2034	-----							
YEAR 2035	-----							
YEAR 2036	-----							
YEAR 2037	-----							
YEAR 2038	-----							
YEAR 2039	-----							
YEAR 2040	-----							
YEAR 2041	-----							
YEAR 2011	-----	0	0	0	0	0	0	19
YEAR 2012	-----	0	0	0	0	0	0	0
YEAR 2013	-----							
YEAR 2014	-----							
YEAR 2015	-----							
YEAR 2016	-----							
YEAR 2017	-----							
YEAR 2018	-----							
YEAR 2019	-----							
YEAR 2020	-----							
YEAR 2021	-----							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.


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----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----
-----
THERMAL UNIT          SEASON: 6      JUNE -----
-----
SEASONAL HEAT RATE PROFILE
----- YEAR 2011 -----
YEAR 2012 -----
YEAR 2013 -----
YEAR 2014 -----
YEAR 2015 -----
YEAR 2016 -----
YEAR 2017 -----
YEAR 2018 -----
YEAR 2019 -----
YEAR 2020 -----
YEAR 2021 -----
YEAR 2022 -----
YEAR 2023 -----
YEAR 2024 -----
YEAR 2025 -----
YEAR 2026 -----
YEAR 2027 -----
YEAR 2028 -----
YEAR 2029 -----
YEAR 2030 -----
YEAR 2031 -----
YEAR 2032 -----
YEAR 2033 -----
-----

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Year	KYGER 1	KYGER 2	KYGER 3	KYGER 4	KYGER 5	MITCHELL 1	MITCHELL 2
2011	38	39	40	41	42	43	44
2012	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	6	JUNE	38	39	40	41	42	43	44
---	YEAR 2034	---	---	KYGER 1	KYGER 2	KYGER 3	KYGER 4	KYGER 5	MITCHELL 1	MITCHELL 2
---	YEAR 2035	---	---							
---	YEAR 2036	---	---							
---	YEAR 2037	---	---							
---	YEAR 2038	---	---							
---	YEAR 2039	---	---							
---	YEAR 2040	---	---							

THERMAL UNIT	SEASON	6	JUNE	45	46	47	48	49	50	51
---	YEAR 2011	---	---	MOUNT_R 1	MUSK_RVR 1	MUSK_RVR 2	MUSK_RVR 3	MUSK_RVR 4	MUSK_RVR 5	P_SPOBN 1
---	SEASONAL HEAT RATE PROFILE	---	---	45	0	0	0	0	0	0
---	YEAR 2012	---	---							
---	SEASONAL HEAT RATE PROFILE	---	---	0	0	0	0	0	0	0
---	YEAR 2013	---	---							
---	YEAR 2014	---	---							
---	SEASONAL HEAT RATE PROFILE	---	---	150	0	0	0	0	0	0
---	YEAR 2015	---	---							
---	SEASONAL HEAT RATE PROFILE	---	---	0	0	0	0	0	0	0
---	YEAR 2016	---	---							
---	YEAR 2017	---	---							
---	YEAR 2018	---	---							
---	YEAR 2019	---	---							
---	YEAR 2020	---	---							
---	YEAR 2021	---	---							
---	YEAR 2022	---	---							
---	YEAR 2023	---	---							
---	YEAR 2024	---	---							
---	YEAR 2025	---	---							
---	YEAR 2026	---	---							
---	YEAR 2027	---	---							
---	YEAR 2028	---	---							
---	YEAR 2029	---	---							
---	YEAR 2030	---	---							
---	YEAR 2031	---	---							
---	YEAR 2032	---	---							
---	YEAR 2033	---	---							
---	YEAR 2034	---	---							
---	YEAR 2035	---	---							
---	YEAR 2036	---	---							
---	YEAR 2037	---	---							
---	YEAR 2038	---	---							
---	YEAR 2039	---	---							
---	YEAR 2040	---	---							

THERMAL UNIT	SEASON	6	JUNE	52	53	54	55	56	57	58
---	YEAR 2011	---	---	P_SPOBN 2	P_SPOBN 3	P_SPOBN 4	P_SPOBN 5	PLCWAY 5	RPRRT_IM 1	RPRUN_IM 1
---	SEASONAL HEAT RATE PROFILE	---	---	0	0	0	0	0	0	0
---	YEAR 2012	---	---							
---	YEAR 2013	---	---							

----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

YEAR	HEAT RATE	PROFILE
YEAR 2011	0	0

THERMAL UNIT	SEASON 6	JUNE
ROCKP_IM	59	59
STUART	61	61
STUART	62	62
STUART	63	63
STUART	64	64
AMOS_AP	65	65
TANN I-3	66	66

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	6	JUNE	59	61	62	63	64	65	66
				ROCKP_IW	STUART	STUART	STUART	STUART	AMOS_AP	TANN 1-3
				2	1	2	3	4	3	1
YEAR 2012										
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THERMAL UNIT	SEASON	6	JUNE	67	68	69	70	71	72	73
				TANN 1-3	TANN 1-3	TANN 4	ZIMMER	ROBTMON	ROBTMON	ROBTMON
				2	3	4	1	1	2	3
YEAR 2011										
YEAR 2012										
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										

SEASONAL HEAT RATE PROFILE	0	0	0	0	162	162	162
YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							

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----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

```

```

===== THERMAL UNIT SEASON 6 JUNE =====
===== CEREDO 75 =====
----- CEREDO 1 0 -----
===== CEREDO 76 =====
----- CEREDO 2 0 -----
===== CEREDO 77 =====
----- CEREDO 3 0 -----
===== CEREDO 78 =====
----- CEREDO 4 0 -----
===== CEREDO 79 =====
----- CEREDO 5 0 -----
===== CEREDO 80 =====
----- CEREDO 6 0 -----
===== DARBY 81 =====
----- DARBY 1 0 -----

```

```

----- YEAR 2011 -----
SEASONAL HEAT RATE PROFILE
----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----

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NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

----- THERMAL UNIT SEASON 6 JUNE -----

	75	76	77	78	79	80	81
CEREDO 1	CEREDO 2	CEREDO 3	CEREDO 4	CEREDO 5	CEREDO 6	DARBY 1	

----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

----- THERMAL UNIT SPASON 6 JUNE -----

82	83	84	85	86	87	88
DARBY 2	DARBY 3	DARBY 4	DARBY 5	DARBY 6	LMBG WIN 1	LMBG WIN 2

----- YEAR 2011 -----
 SEASONAL HEAT RATE PROFILE
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----

4-Company East Optimization

YEAR	HEAT RATE PROFILE	SEASON	JUNE	89	90	91	92	93	94	101
YEAR	HEAT RATE PROFILE	SEASON	JUNE	INRG SMR 1	INRG SMR 2	WATR CC 1	WATR2 1	DRESDEN 1	DRESID2 1	NUCLEAR 1
YEAR 2038	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2039	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2040	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2011	-----	6	JUNE	89	90	91	92	93	94	101
SEASONAL HEAT RATE PROFILE	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2012	-----	-----	-----	0	0	0	0	0	0	0
YEAR 2013	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2014	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2015	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2016	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2017	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2018	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2019	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2020	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2021	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2022	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2023	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2024	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2025	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2026	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2027	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2028	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2029	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2030	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2031	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2032	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2033	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2034	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2035	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 6	JUNE	THERMAL UNIT	SEASON 6	JUNE
YEAR 2036			89	LMBG_SWR	1
YEAR 2037			90	LMBG_SWR	2
YEAR 2038			91	WATR_CC	1
YEAR 2039			92	WATR2	1
YEAR 2040			93	DRESDDN	1
			94	DRESD2	1
			101	NUCLEAR	1

THERMAL UNIT	SEASON 6	JUNE	THERMAL UNIT	SEASON 6	JUNE
YEAR 2011			102	UPC_NCCS	1
YEAR 2012			103	PC_UL_SU	1
YEAR 2013			104	UPC_RCCS	1
YEAR 2014			105	IGC_NCCS	1
YEAR 2015			106	IGCC_GE	1
YEAR 2016			107	IGC_RCCS	1
YEAR 2017			108	CC_2X1FB	1
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT	SEASON 6	JUNE	THERMAL UNIT	SEASON 6	JUNE
YEAR 2011			109	CC_2X1FA	1
YEAR 2012			110	CC_1x17H	1
YEAR 2013			111	BS2_CC	1
YEAR 2014			114	CT_GE7FA	1
YEAR 2015			115	CT_GE7FA	1
YEAR 2016			124	BS2_FBD	2
			125	BS1_FBD	1

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUBALPIPER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	6	JUNE	126	127	129	130	131	132	133
			CSV5_SCR	CSV6_SCR	CR1_NGCC	CR2_NGCC	MRS_NGCC	MRS_FGD	RP1D_IM	
			5	6	1	2	5	5	1	

THERMAL UNIT	SEASON	6	JUNE	134	135	136	137	144	145	146
			RP2D_IM	TAN4_FGD	RP1D_KP	RP2D_KP	TC4_BSP	A390%_AP	A390%_OP	
			2	4	1	2	4	3	3	

SEASONAL HEAT RATE PROFILE

YEAR	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
HEAT RATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SEASONAL HEAT RATE PROFILE

YEAR	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
HEAT RATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 6		JUNE						
	MIN_90%	RPT1_90%	RPT2_90%	GVL_90%	GV2_90%	MTN_18%	CC_FA_KP		
YEAR 2026	147	148	149	150	151	153	154		
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									
THERMAL UNIT SEASON 6 JUNE									
=====									
SEASONAL HEAT RATE PROFILE	155	156	157	158	159	160	161		
YEAR 2011									
YEAR 2012	0	0	0	0	0	0	0		
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									
=====									
CT_OHIO	1	1	1	1	1	1	1		
CC_OH									
CT_I&M									
CC_I&M									
CT_ARCO									
CC_ARCO									
CT_KPCO									

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YEAR 2040	SEASON 6	JUNE	CC_RPCO	BS2_FGD	BS2_FGD	BS2_FGD	BS2_FGD	BS2_FGD	IGCC_AP	PC_UL_AP
YEAR 2011			162	163	164	165	166	168	169	
YEAR 2012			1	1	5	22	23	1	1	
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

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APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THermal UNIT	SEASON	6	JUNE	162	163	164	165	166	168	169
				CC_KPCO	BS2_FGD	BS2_FGD	BS2_FGD	BS2_FGD	IGCC_AP	PC_UL_AP
				1	1	5	22	23	1	1

 YEAR 2038 -----
 YEAR 2039 -----
 YEAR 2040 -----

THermal UNIT	SEASON	6	JUNE	170	171	172	173	174	175	176
				Nuke_AP	IGCC_IM	PC_UL_IM	NUKE_IM	IGCC_KP	PC_UL_KP	NUKE_KP
				1	1	1	1	1	1	1

 YEAR 2011 -----
 SEASONAL HEAT RATE PROFILE
 YEAR 2012 -----
 YEAR 2013 -----
 YEAR 2014 -----
 YEAR 2015 -----
 YEAR 2016 -----
 YEAR 2017 -----
 YEAR 2018 -----
 YEAR 2019 -----
 YEAR 2020 -----
 YEAR 2021 -----
 YEAR 2022 -----
 YEAR 2023 -----
 YEAR 2024 -----
 YEAR 2025 -----
 YEAR 2026 -----
 YEAR 2027 -----
 YEAR 2028 -----
 YEAR 2029 -----
 YEAR 2030 -----
 YEAR 2031 -----
 YEAR 2032 -----
 YEAR 2033 -----
 YEAR 2034 -----
 YEAR 2035 -----
 YEAR 2036 -----
 YEAR 2037 -----
 YEAR 2038 -----
 YEAR 2039 -----
 YEAR 2040 -----

THermal UNIT	SEASON	6	JUNE	177	178	179	181	182	183	184
				IGCC_OH	PC_UL_OH	NUKE_OH	RPID_03	RPID_04	RPID_08	RPID_20
				1	1	1	1	1	1	1

 YEAR 2011 -----
 SEASONAL HEAT RATE PROFILE
 YEAR 2012 -----
 YEAR 2013 -----
 YEAR 2014 -----
 YEAR 2015 -----
 YEAR 2016 -----
 YEAR 2017 -----
 YEAR 2018 -----

----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

SEASONAL HEAT RATE PROFILE	SEASON 6	JUNE	-----	-----	-----	-----	-----	-----	-----
YEAR 2011			186	187	188	189	190	191	223
YEAR 2012			1	2	1	2	4	4	1
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

-----	YEAR 2017	-----	SEASON 6	-----	JUNE	-----
-----	YEAR 2018	-----		-----		-----
-----	YEAR 2019	-----		-----		-----
-----	YEAR 2020	-----		-----		-----
-----	YEAR 2021	-----		-----		-----
-----	YEAR 2022	-----		-----		-----
-----	YEAR 2023	-----		-----		-----
-----	YEAR 2024	-----		-----		-----
-----	YEAR 2025	-----		-----		-----
-----	YEAR 2026	-----		-----		-----
-----	YEAR 2027	-----		-----		-----
-----	YEAR 2028	-----		-----		-----
-----	YEAR 2029	-----		-----		-----
-----	YEAR 2030	-----		-----		-----
-----	YEAR 2031	-----		-----		-----
-----	YEAR 2032	-----		-----		-----
-----	YEAR 2033	-----		-----		-----
-----	YEAR 2034	-----		-----		-----
-----	YEAR 2035	-----		-----		-----
-----	YEAR 2036	-----		-----		-----
-----	YEAR 2037	-----		-----		-----
-----	YEAR 2038	-----		-----		-----
-----	YEAR 2039	-----		-----		-----
-----	YEAR 2040	-----		-----		-----

-----	RP1TR_1M	186	-----	RP2TR_1M	187	-----	RP1TR_KP	188	-----	RP2TR_KP	189	-----	T4_THRONA	190	-----	T4_TRCCR	191	-----	MR_STKR1	223
	1			2			1			2			4			4				1

-----	THERMAL UNIT	-----	SEASON 6	-----	JUNE	-----
-----	MR_STKR2	224	-----	AMS3_ST	228	-----
	1			3		
-----	BS2_ST	229	-----	MRS_CF	230	-----
	2			5		
-----	MRS_ST	231	-----	RP11_CF	232	-----
	5			1		
-----	RP12_CF	233	-----			-----
	2					

----- YEAR 2011 ----- SEASONAL HEAT RATE PROFILE -----

-----	YEAR 2012	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0	-----	0
-----	YEAR 2013	-----		-----		-----		-----		-----		-----		-----		-----		-----		-----	
-----	YEAR 2014	-----		-----		-----		-----		-----		-----		-----		-----		-----		-----	
-----	YEAR 2015	-----		-----		-----		-----		-----		-----		-----		-----		-----		-----	
-----	YEAR 2016	-----		-----		-----		-----		-----		-----		-----		-----		-----		-----	
-----	YEAR 2017	-----		-----		-----		-----		-----		-----		-----		-----		-----		-----	
-----	YEAR 2018	-----		-----		-----		-----		-----		-----		-----		-----		-----		-----	
-----	YEAR 2019	-----		-----		-----		-----		-----		-----		-----		-----		-----		-----	
-----	YEAR 2020	-----		-----		-----		-----		-----		-----		-----		-----		-----		-----	
-----	YEAR 2021	-----		-----		-----		-----		-----		-----		-----		-----		-----		-----	
-----	YEAR 2022	-----		-----		-----		-----		-----		-----		-----		-----		-----		-----	
-----	YEAR 2023	-----		-----		-----		-----		-----		-----		-----		-----		-----		-----	
-----	YEAR 2024	-----		-----		-----		-----		-----		-----		-----		-----		-----		-----	
-----	YEAR 2025	-----		-----		-----		-----		-----		-----		-----		-----		-----		-----	
-----	YEAR 2026	-----		-----		-----		-----		-----		-----		-----		-----		-----		-----	
-----	YEAR 2027	-----		-----		-----		-----		-----		-----		-----		-----		-----		-----	
-----	YEAR 2028	-----		-----		-----		-----		-----		-----		-----		-----		-----		-----	
-----	YEAR 2029	-----		-----		-----		-----		-----		-----		-----		-----		-----		-----	
-----	YEAR 2030	-----		-----		-----		-----		-----		-----		-----		-----		-----		-----	

YEAR	HEAT RATE PROFILE	SEASON	6	JUNE	234	235	251	252	253	254	255
YEAR	HEAT RATE PROFILE	SEASON	6	JUNE	RP01_ST 1	RP02_ST 2	DC1_HPB 1	DC1_IS 1	DC1_EFF 1	DC1_I17 1	DC1_3800 1
YEAR 2031	-----										
YEAR 2032	-----										
YEAR 2033	-----										
YEAR 2034	-----										
YEAR 2035	-----										
YEAR 2036	-----										
YEAR 2037	-----										
YEAR 2038	-----										
YEAR 2039	-----										
YEAR 2040	-----										
THERMAL UNIT											
SEASONAL HEAT RATE PROFILE											
YEAR 2011	-----				0	0	0	0	0	0	0
YEAR 2012	-----										
YEAR 2013	-----										
YEAR 2014	-----										
YEAR 2015	-----										
YEAR 2016	-----										
YEAR 2017	-----										
YEAR 2018	-----										
YEAR 2019	-----										
YEAR 2020	-----										
YEAR 2021	-----										
YEAR 2022	-----										
YEAR 2023	-----										
YEAR 2024	-----										
YEAR 2025	-----										
YEAR 2026	-----										
YEAR 2027	-----										
YEAR 2028	-----										

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

4-Company East Optimization

SEASONAL	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 6	JUNE						
		GLN_5_HM_5 279	GLN_5_15_5 280	GLN_6_HM_6 281	GLN_6_15_6 282	KMR_F_HM_1 283	KMR_F_GP_1 284	KMR_F_HM_2 285
SEASONAL HEAT RATE PROFILE		0	0	0	0	0	0	0
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

THERMAL UNIT	SEASON 6	JUNE						
SEASONAL HEAT RATE PROFILE		KMR_F_GP_2 286	KMR_F_HM_3 287	KMR_F_GP_3 288	KMA_1_HM_1 289	KMA_1_15_1 290	KMA_2_HM_2 291	KMA_2_15_2 292
YEAR 2011		0	0	0	0	0	0	0
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								

----- YEAR 2025 -----
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 ----- YEAR 2030 -----
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 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

-----	YEAR 2011	-----	SEASON 6	JUNE	-----
SEASONAL HEAT RATE PROFILE					
-----	YEAR 2011	-----	MSKR1_HM	293	
	YEAR 2012	-----	MSKR1_I	1	
	YEAR 2013	-----	MSKR1_I2	294	
	YEAR 2014	-----	MSKR2_HM	295	
	YEAR 2015	-----	MSKR2_I2	296	
	YEAR 2016	-----	MSKR3_GP	297	
	YEAR 2017	-----	MSKR3_HM	298	
	YEAR 2018	-----	MSKR4_GP	299	
	YEAR 2019	-----			
	YEAR 2020	-----			
	YEAR 2021	-----			
	YEAR 2022	-----			

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	6	JUNE	MSRR1_HM 293 1	MSRR1_I2 294 1	MSRR2_HM 295 2	MSRR2_I2 296 2	MSRR3_GP 297 3	MR3HM_I2 298 3	MSRR4_GP 299 4
YEAR 2023	-----									
YEAR 2024	-----									
YEAR 2025	-----									
YEAR 2026	-----									
YEAR 2027	-----									
YEAR 2028	-----									
YEAR 2029	-----									
YEAR 2030	-----									
YEAR 2031	-----									
YEAR 2032	-----									
YEAR 2033	-----									
YEAR 2034	-----									
YEAR 2035	-----									
YEAR 2036	-----									
YEAR 2037	-----									
YEAR 2038	-----									
YEAR 2039	-----									
YEAR 2040	-----									

THERMAL UNIT	SEASON	6	JUNE	M4HM_I2 300 4	PICWV_HM 301 5	PTCWV_GP 302 5	SP1_F_HM 303 1	SP1_F_I5 304 1	SP2_F_HM 305 2	SP2_F_I5 306 2
YEAR 2011	-----			0	0	0	0	0	0	0
YEAR 2012	-----									
YEAR 2013	-----									
YEAR 2014	-----									
YEAR 2015	-----									
YEAR 2016	-----									
YEAR 2017	-----									
YEAR 2018	-----									
YEAR 2019	-----									
YEAR 2020	-----									
YEAR 2021	-----									
YEAR 2022	-----									
YEAR 2023	-----									
YEAR 2024	-----									
YEAR 2025	-----									
YEAR 2026	-----									
YEAR 2027	-----									
YEAR 2028	-----									
YEAR 2029	-----									
YEAR 2030	-----									
YEAR 2031	-----									
YEAR 2032	-----									
YEAR 2033	-----									
YEAR 2034	-----									
YEAR 2035	-----									
YEAR 2036	-----									

YEAR	HEAT RATE PROFILE	SEASON	JUNE	SP3_Q_HM	SP3_Q_LS	SP4_Q_HM	SP4_Q_LS	SP5_HM	SP5_LS	TNR_F_HM
YEAR 2037	-----	6	-----	307	308	309	310	311	312	313
YEAR 2038	-----			3	3	4	4	5	5	1
YEAR 2039	-----									
YEAR 2040	-----									
SEASONAL HEAT RATE PROFILE				0	0	0	0	0	0	0
YEAR 2011	-----									
YEAR 2012	-----									
YEAR 2013	-----									
YEAR 2014	-----									
YEAR 2015	-----									
YEAR 2016	-----									
YEAR 2017	-----									
YEAR 2018	-----									
YEAR 2019	-----									
YEAR 2020	-----									
YEAR 2021	-----									
YEAR 2022	-----									
YEAR 2023	-----									
YEAR 2024	-----									
YEAR 2025	-----									
YEAR 2026	-----									
YEAR 2027	-----									
YEAR 2028	-----									
YEAR 2029	-----									
YEAR 2030	-----									
YEAR 2031	-----									
YEAR 2032	-----									
YEAR 2033	-----									
YEAR 2034	-----									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	6	JUNE	307	308	309	310	311	312	313
YEAR 2035				SP3_Q_HM	SP3_Q_15	SP4_Q_HM	SP4_Q_15	SP5_HM	SP5_15	TNR_F_HM
YEAR 2036				3	3	4	4	5	5	1
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THERMAL UNIT	SEASON	6	JUNE	314	315	316	317	318	319	320
YEAR 2011				TNR_F_15	TNR_F_HM	TNR_F_15	TNR_F_HM	TNR_F_15	PW_GP_15	RH11s
YEAR 2012				1	2	2	3	3	5	1
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THERMAL UNIT	SEASON	6	JUNE	500	501	502	503	958	959	960
YEAR 2011				DUMNT_OP	DUMNT_IM	DUMNT_AP	DUMNT_KP	CC_KPCO	RP2D_KP	RP2D_IM
YEAR 2012				0	0	0	0	958	959	960
YEAR 2013										
YEAR 2014										
YEAR 2015										

YEAR	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
SEASONAL HEAT RATE PROFILE																									
YEAR 2011																									
YEAR 2012																									
YEAR 2013																									

SEASON	6	JUNE
CSV6_SCR	961	961
CSV5_SCR	962	962
DUMMY_OP	963	963
DUMMY_OP	964	964
RP1D_03	965	965
RP1D_KP	966	966
BS2_FSD	967	967

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 6	JUNE	961	962	963	964	965	966	967
	CSV6_SCR 961	CSV5_SCR 962	DUMMY_OP 963	DUMMY_OP 964	RPID_03 965	RPID_KP 966	BS2_FGD 967		
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									
THERMAL UNIT	SEASON 6	JUNE	968	969	970	971	972	973	974
	CR2_NGCC 968	CRI_NGCC 969	MRS_NGCC 970	DUMMY_OP 971	DUMMY_OP 972	DUMMY_OP 973	DUMMY_OP 974		
SEASONAL HEAT RATE PROFILE			0	0	0	0	0	0	0
YEAR 2011									
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									

YEAR	HEAT RATE PROFILE	975 DUMMY OP	976 DUMMY OP	977 DUMMY OP	978 DUMMY OP	979 DUMMY OP	980 DUMMY OP	981 DUMMY OP
YEAR 2028	-----							
YEAR 2029	-----							
YEAR 2030	-----							
YEAR 2031	-----							
YEAR 2032	-----							
YEAR 2033	-----							
YEAR 2034	-----							
YEAR 2035	-----							
YEAR 2036	-----							
YEAR 2037	-----							
YEAR 2038	-----							
YEAR 2039	-----							
YEAR 2040	-----							

SEASONAL HEAT RATE PROFILE	=====	975 DUMMY OP	976 DUMMY OP	977 DUMMY OP	978 DUMMY OP	979 DUMMY OP	980 DUMMY OP	981 DUMMY OP
YEAR 2011	-----	0	0	0	0	0	0	0
YEAR 2012	-----							
YEAR 2013	-----							
YEAR 2014	-----							
YEAR 2015	-----							
YEAR 2016	-----							
YEAR 2017	-----							
YEAR 2018	-----							
YEAR 2019	-----							
YEAR 2020	-----							
YEAR 2021	-----							
YEAR 2022	-----							
YEAR 2023	-----							
YEAR 2024	-----							
YEAR 2025	-----							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 6	JUNE	SEASON 6	JUNE	SEASON 6	JUNE	SEASON 6	JUNE	SEASON 6	JUNE
YEAR 2026	975	976	977	978	979	980	981	982	983	984
YEAR 2027	975	976	977	978	979	980	981	982	983	984
YEAR 2028	975	976	977	978	979	980	981	982	983	984
YEAR 2029	975	976	977	978	979	980	981	982	983	984
YEAR 2030	975	976	977	978	979	980	981	982	983	984
YEAR 2031	975	976	977	978	979	980	981	982	983	984
YEAR 2032	975	976	977	978	979	980	981	982	983	984
YEAR 2033	975	976	977	978	979	980	981	982	983	984
YEAR 2034	975	976	977	978	979	980	981	982	983	984
YEAR 2035	975	976	977	978	979	980	981	982	983	984
YEAR 2036	975	976	977	978	979	980	981	982	983	984
YEAR 2037	975	976	977	978	979	980	981	982	983	984
YEAR 2038	975	976	977	978	979	980	981	982	983	984
YEAR 2039	975	976	977	978	979	980	981	982	983	984
YEAR 2040	975	976	977	978	979	980	981	982	983	984

SEASONAL HEAT RATE PROFILE	SEASON 6	JUNE	SEASON 6	JUNE	SEASON 6	JUNE	SEASON 6	JUNE	SEASON 6	JUNE
YEAR 2011	982	983	984	985	986	987	988	982	983	984
YEAR 2012	982	983	984	985	986	987	988	982	983	984
YEAR 2013	982	983	984	985	986	987	988	982	983	984
YEAR 2014	982	983	984	985	986	987	988	982	983	984
YEAR 2015	982	983	984	985	986	987	988	982	983	984
YEAR 2016	982	983	984	985	986	987	988	982	983	984
YEAR 2017	982	983	984	985	986	987	988	982	983	984
YEAR 2018	982	983	984	985	986	987	988	982	983	984
YEAR 2019	982	983	984	985	986	987	988	982	983	984
YEAR 2020	982	983	984	985	986	987	988	982	983	984
YEAR 2021	982	983	984	985	986	987	988	982	983	984
YEAR 2022	982	983	984	985	986	987	988	982	983	984
YEAR 2023	982	983	984	985	986	987	988	982	983	984
YEAR 2024	982	983	984	985	986	987	988	982	983	984
YEAR 2025	982	983	984	985	986	987	988	982	983	984
YEAR 2026	982	983	984	985	986	987	988	982	983	984
YEAR 2027	982	983	984	985	986	987	988	982	983	984
YEAR 2028	982	983	984	985	986	987	988	982	983	984
YEAR 2029	982	983	984	985	986	987	988	982	983	984
YEAR 2030	982	983	984	985	986	987	988	982	983	984
YEAR 2031	982	983	984	985	986	987	988	982	983	984
YEAR 2032	982	983	984	985	986	987	988	982	983	984
YEAR 2033	982	983	984	985	986	987	988	982	983	984
YEAR 2034	982	983	984	985	986	987	988	982	983	984
YEAR 2035	982	983	984	985	986	987	988	982	983	984
YEAR 2036	982	983	984	985	986	987	988	982	983	984
YEAR 2037	982	983	984	985	986	987	988	982	983	984
YEAR 2038	982	983	984	985	986	987	988	982	983	984
YEAR 2039	982	983	984	985	986	987	988	982	983	984

4-Company East Optimization

YEAR 2010	SEASON 6	JUNE	989	990	991	992	993	994	995
SEASONAL HEAT RATE PROFILE	DUMMY OP	DUMMY OP	DUMMY OP	DUMMY OP	DUMMY OP	DUMMY OP	DUMMY OP	DUMMY OP	DUMMY OP
YEAR 2011			0						
YEAR 2012				0					
YEAR 2013					0				
YEAR 2014						0			
YEAR 2015							0		
YEAR 2016								0	
YEAR 2017									0
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

THERMAL UNIT	SEASON	JULY													
		8	9	10	11	12	13	14	1	2	3	4	5	6	7
SEASONAL HEAT RATE PROFILE		0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2011															
YEAR 2012															
YEAR 2013															
YEAR 2014															
YEAR 2015															
YEAR 2016															

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 7	JULY	CARD 1+2	CARD 3	CLIFTY 1	CLIFTY 2	CLIFTY 3	CLIFTY 4	CLIFTY 5
YEAR 2017			8	9	10	11	12	13	14
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT

SEASON 7

JULY

CLIFTY 6	CLINCH 1	CLINCH 2	CLINCH 3	ROCKP_AP 1	ROCKP_AP 2	GSVL 1-4 3
15	16	17	18	19	20	21
0	0	0	0	0	0	0

SEASONAL HEAT RATE PROFILE

YEAR 2011	0
YEAR 2012	0
YEAR 2013	0
YEAR 2014	0
YEAR 2015	0
YEAR 2016	0
YEAR 2017	0
YEAR 2018	0
YEAR 2019	0
YEAR 2020	0
YEAR 2021	0
YEAR 2022	0
YEAR 2023	0
YEAR 2024	0
YEAR 2025	0
YEAR 2026	0
YEAR 2027	0
YEAR 2028	0
YEAR 2029	0
YEAR 2030	0

YEAR	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
YEAR 2011	0	0	0	0	0	0	0	0	0	0
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0	0
YEAR 2012	0	0	0	0	0	0	0	0	0	0
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0	0
YEAR 2013	0	0	0	0	0	0	0	0	0	0
YEAR 2014	0	0	0	0	0	0	0	0	0	0
YEAR 2015	0	0	0	0	0	0	0	0	0	0
YEAR 2016	0	0	0	0	0	0	0	0	0	0
YEAR 2017	0	0	0	0	0	0	0	0	0	0
YEAR 2018	0	0	0	0	0	0	0	0	0	0
YEAR 2019	0	0	0	0	0	0	0	0	0	0
YEAR 2020	0	0	0	0	0	0	0	0	0	0
YEAR 2021	0	0	0	0	0	0	0	0	0	0
YEAR 2022	0	0	0	0	0	0	0	0	0	0
YEAR 2023	0	0	0	0	0	0	0	0	0	0
YEAR 2024	0	0	0	0	0	0	0	0	0	0
YEAR 2025	0	0	0	0	0	0	0	0	0	0
YEAR 2026	0	0	0	0	0	0	0	0	0	0
YEAR 2027	0	0	0	0	0	0	0	0	0	0
YEAR 2028	0	0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAR.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	7	JULY	22	23	24	25	26	27	28
				CSVL 1-4	CSVL 5+6	CSVL 5+6	D C COOK	D C COOK	GAVIN	GAVIN
				4	5	6	1	2	1	2
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THERMAL UNIT SEASON 7 JULY

THERMAL UNIT	SEASON	7	JULY	29	30	33	34	35	36	37
				GLEN LYN	GLEN LYN	KAMMER	KAMMER	KAMMER	KANAWHA	KANAWHA
				5	6	1	2	3	1	2
YEAR 2011										
SEASONAL HEAT RATE PROFILE				0	0	0	0	0	0	0
YEAR 2012										
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THERMAL UNIT SEASON 7 JULY

THERMAL UNIT	SEASON	7	JULY	38	39	40	41	42	43	44
				KYGER	KYGER	KYGER	KYGER	KYGER	MITCHELL	MITCHELL
				1	2	3	4	5	1	2
YEAR 2011										
SEASONAL HEAT RATE PROFILE				0	0	0	0	0	0	0
YEAR 2012										
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

4-Company East Optimization

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040		
SEASONAL HEAT RATE PROFILE																																
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL_UNIT.

THEMAL UNIT	SEASON	7	JULY	45	46	47	48	49	50	51
				MOUNT_ER	MUSK_RVR	MUSK_RVR	MUSK_RVR	MUSK_RVR	MUSK_RVR	P_SPOBN
				1	1	2	3	4	5	1
SEASONAL HEAT RATE PROFILE	YEAR 2011			45	0	0	0	0	0	0
SEASONAL HEAT RATE PROFILE	YEAR 2012			45	0	0	0	0	0	0
SEASONAL HEAT RATE PROFILE	YEAR 2013			0	0	0	0	0	0	0
SEASONAL HEAT RATE PROFILE	YEAR 2014			150	0	0	0	0	0	0
SEASONAL HEAT RATE PROFILE	YEAR 2015			0	0	0	0	0	0	0
SEASONAL HEAT RATE PROFILE	YEAR 2016									
SEASONAL HEAT RATE PROFILE	YEAR 2017									
SEASONAL HEAT RATE PROFILE	YEAR 2018									
SEASONAL HEAT RATE PROFILE	YEAR 2019									
SEASONAL HEAT RATE PROFILE	YEAR 2020									
SEASONAL HEAT RATE PROFILE	YEAR 2021									
SEASONAL HEAT RATE PROFILE	YEAR 2022									
SEASONAL HEAT RATE PROFILE	YEAR 2023									
SEASONAL HEAT RATE PROFILE	YEAR 2024									
SEASONAL HEAT RATE PROFILE	YEAR 2025									
SEASONAL HEAT RATE PROFILE	YEAR 2026									
SEASONAL HEAT RATE PROFILE	YEAR 2027									
SEASONAL HEAT RATE PROFILE	YEAR 2028									
SEASONAL HEAT RATE PROFILE	YEAR 2029									
SEASONAL HEAT RATE PROFILE	YEAR 2030									
SEASONAL HEAT RATE PROFILE	YEAR 2031									
SEASONAL HEAT RATE PROFILE	YEAR 2032									
SEASONAL HEAT RATE PROFILE	YEAR 2033									
SEASONAL HEAT RATE PROFILE	YEAR 2034									
SEASONAL HEAT RATE PROFILE	YEAR 2035									
SEASONAL HEAT RATE PROFILE	YEAR 2036									
SEASONAL HEAT RATE PROFILE	YEAR 2037									
SEASONAL HEAT RATE PROFILE	YEAR 2038									
SEASONAL HEAT RATE PROFILE	YEAR 2039									
SEASONAL HEAT RATE PROFILE	YEAR 2040									
THEMAL UNIT	SEASON	7	JULY	52	53	54	55	56	57	58
				P_SPOBN	P_SPOBN	P_SPOBN	P_SPOBN	PIGMAY	RPRRT_IM	RPRUN_IM
				2	3	4	5	5	1	1
SEASONAL HEAT RATE PROFILE	YEAR 2011			0	0	0	0	0	0	0
SEASONAL HEAT RATE PROFILE	YEAR 2012									
SEASONAL HEAT RATE PROFILE	YEAR 2013									
SEASONAL HEAT RATE PROFILE	YEAR 2014									
SEASONAL HEAT RATE PROFILE	YEAR 2015									
SEASONAL HEAT RATE PROFILE	YEAR 2016									
SEASONAL HEAT RATE PROFILE	YEAR 2017									
SEASONAL HEAT RATE PROFILE	YEAR 2018									
SEASONAL HEAT RATE PROFILE	YEAR 2019									
SEASONAL HEAT RATE PROFILE	YEAR 2020									
SEASONAL HEAT RATE PROFILE	YEAR 2021									
SEASONAL HEAT RATE PROFILE	YEAR 2022									

----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

THERMAL UNIT SEASON 7 JULY -----

 59 61 62 63 64 65 66
 ROCK IM STUART STUART STUART STUART AMOS_AP TANN 1-3
 2 1 2 3 4 3 1

YEAR 2011 0 0 0 0 0 0 0
SEASONAL HEAT RATE PROFILE

YEAR 2012 -----
YEAR 2013 -----
YEAR 2014 -----
YEAR 2015 -----
YEAR 2016 -----
YEAR 2017 -----
YEAR 2018 -----
YEAR 2019 -----
YEAR 2020 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUBLIFIER = GAF.INPUT.THERMAL UNIT.

SEASON 7	JULY	67	68	69	70	71	72	73
ROCKP_1M	STUART 1	STUART 2	STUART 3	STUART 4	AMOS_AP	TANN 1-3		
2	1	2	3	4	3	1		

----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

SEASON 7	JULY	67	68	69	70	71	72	73
TANN 1-3	TANN 1-3	TANN 4	ZIMMER	ROBTWONE	ROBTWONE	ROBTWONE		
2	3	4	1	1	2	3		

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----

```

YEAR 2035 -----
YEAR 2036 -----
YEAR 2037 -----
YEAR 2038 -----
YEAR 2039 -----
YEAR 2040 -----

THERMAL UNIT          SEASON 7          JULY
=====
SEASONAL HEAT RATE PROFILE
YEAR 2011 -----
YEAR 2012 -----
YEAR 2013 -----
YEAR 2014 -----
YEAR 2015 -----
YEAR 2016 -----
YEAR 2017 -----
YEAR 2018 -----
YEAR 2019 -----
YEAR 2020 -----
YEAR 2021 -----
YEAR 2022 -----
YEAR 2023 -----
YEAR 2024 -----
YEAR 2025 -----
YEAR 2026 -----
YEAR 2027 -----
YEAR 2028 -----
YEAR 2029 -----
YEAR 2030 -----
YEAR 2031 -----
YEAR 2032 -----

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YEAR	CEREDO 1	CEREDO 2	CEREDO 3	CEREDO 4	CEREDO 5	CEREDO 6	DARBY 1
2011	75	76	77	78	79	80	81
2012	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
UPC_NCCS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
PC_UL_SU	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
UPC_RCCS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
IGC_NCCS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
IGCC GE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
IGC_RCCS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
CC 2X1FB	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

YEAR	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

YEAR	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0

THERMAL UNIT SEASON 7 JULY
 =====
 CSV5_SCR 126 CSV6_SCR 127 CR1_NGCC 129 CR2_NGCC 130 MR5_NGCC 131 MR5_FGD 132 RP1D_IM 133
 5 6 1 2 5 5 1

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THEMAL UNIT	SEASON	7	JULY	126	127	129	130	131	132	133
				CSV5_SCR	CSV6_SCR	CR1_NGCC	CR2_NGCC	MRS_NGCC	MRS_FGD	RP1D_IM
				5	6	1	2	5	5	1
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THEMAL UNIT	SEASON	7	JULY	134	135	136	137	144	145	146
				RP2D_IM	TANA_FGD	RP1D_KP	RP2D_KP	TC4_ESP	A390&AP	A390&OP
				2	4	1	2	4	3	3
YEAR 2011				0	0	0	0	0	0	0
YEAR 2012										
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	

----- YEAR 2038 -----		----- YEAR 2039 -----		----- YEAR 2040 -----		THERMAL UNIT		SEASON 7	JULY	-----														
SEASONAL HEAT RATE PROFILE		SEASONAL HEAT RATE PROFILE		SEASONAL HEAT RATE PROFILE		SEASONAL HEAT RATE PROFILE		MIN_908	RPT1_908	RPT2_908	GV1_908	GV2_908	MIN_188	CC_FR_KP										
YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
1	1	2	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 7	JULY	147	148	149	150	151	153	154					
	MTN_90%	1	RPT1_90%	1	RPT2_90%	2	GV1_90%	1	GV2_90%	2	MTN_18%	1	CC_FA_KP	1

----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

THERMAL UNIT	SEASON 7	JULY	155	156	157	158	159	160	161					
	CT_OHIO	1	CC_OH	1	CT_I&M	1	CC_I&M	1	CT_APCCO	1	CC_APCCO	1	CT_KPCCO	1

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

THERMAL UNIT	SEASON 7	JULY	162	163	164	165	166	168	169					
	CC_KPCCO	1	BS2_FGD	1	BS2_FGD	5	BS2_FGD	22	BS2_FGD	23	IGCC_AP	1	PC_UL_AP	1

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THermal UNIT	SEASON	7	JULY	170	171	172	173	174	175	176
				NUKE_AP	IGCC IM	PC_UL_IM	NUKE IM	IGCC KP	PC_UL_KP	NUKE KP
YEAR 2014				1	1	1	1	1	1	1
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THermal UNIT	SEASON	7	JULY	177	178	179	181	182	183	184
				IGCC OH	PC_UL_OH	NUKE OH	RP1D_03	RP1D_04	RP1D_08	RP1D_20
YEAR 2011				1	1	1	1	1	1	1
YEAR 2012				0	0	0	0	0	0	0
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										

YEAR	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
SEASONAL HEAT RATE PROFILE													
YEAR 2011	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2012													
YEAR 2013													
YEAR 2014													
YEAR 2015													
YEAR 2016													
YEAR 2017													
YEAR 2018													
YEAR 2019													
YEAR 2020													
YEAR 2021													
YEAR 2022													
YEAR 2023													
YEAR 2024													
YEAR 2025													

FHERMAL UNIT SEASON 7 JULY
 =====
 RP1TR_1M 186
 RP2TR_1M 187
 RP1TR_KP 188
 RP2TR_KP 189
 T4_TRONA 190
 T4_TRCCR 191
 MR_STER1 223

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

THERMAL UNIT	SEASON 7	JULY	186	187	188	189	190	191	223
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT	SEASON 7	JULY	224	228	229	230	231	232	233
YEAR 2011									
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									

SEASONAL HEAT RATE PROFILE	MR_STRK2	AMS3_SI	BS2_SI	MRS_CP	MRS_SI	RPT1_CP	RPT2_CP
YEAR 2011	1	3	2	5	5	1	2
YEAR 2012	0	0	0	0	0	0	0
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							

YEAR 2040	SEASON 7	JULY	234	235	251	252	253	254	255
SEASONAL HEAT RATE PROFILE	HEAT RATE PROFILE	HEAT RATE PROFILE	DC1_HPT	DC1_IS	DC1_EFF	DC1_17	DC1_3800	DC1_17	DC1_3800
YEAR 2011	0	0	0	0	0	0	0	0	0
YEAR 2012	0	0	0	0	0	0	0	0	0
YEAR 2013	0	0	0	0	0	0	0	0	0
YEAR 2014	0	0	0	0	0	0	0	0	0
YEAR 2015	0	0	0	0	0	0	0	0	0
YEAR 2016	0	0	0	0	0	0	0	0	0
YEAR 2017	0	0	0	0	0	0	0	0	0
YEAR 2018	0	0	0	0	0	0	0	0	0
YEAR 2019	0	0	0	0	0	0	0	0	0
YEAR 2020	0	0	0	0	0	0	0	0	0
YEAR 2021	0	0	0	0	0	0	0	0	0
YEAR 2022	0	0	0	0	0	0	0	0	0
YEAR 2023	0	0	0	0	0	0	0	0	0
YEAR 2024	0	0	0	0	0	0	0	0	0
YEAR 2025	0	0	0	0	0	0	0	0	0
YEAR 2026	0	0	0	0	0	0	0	0	0
YEAR 2027	0	0	0	0	0	0	0	0	0
YEAR 2028	0	0	0	0	0	0	0	0	0
YEAR 2029	0	0	0	0	0	0	0	0	0
YEAR 2030	0	0	0	0	0	0	0	0	0
YEAR 2031	0	0	0	0	0	0	0	0	0
YEAR 2032	0	0	0	0	0	0	0	0	0
YEAR 2033	0	0	0	0	0	0	0	0	0
YEAR 2034	0	0	0	0	0	0	0	0	0
YEAR 2035	0	0	0	0	0	0	0	0	0
YEAR 2036	0	0	0	0	0	0	0	0	0
YEAR 2037	0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 7	JULY
YEAR 2038		
YEAR 2039		
YEAR 2040		
RPP1_SI	234	234
RPP2_SI	235	235
DC1_HPT	251	251
DC1_IS	252	252
DC1_EFP	253	253
DC1_I7	254	254
DC1_3800	255	255

THERMAL UNIT	SEASON 7	JULY
YEAR 2011		
YEAR 2012		
YEAR 2013		
YEAR 2014		
YEAR 2015		
YEAR 2016		
YEAR 2017		
YEAR 2018		
YEAR 2019		
YEAR 2020		
YEAR 2021		
YEAR 2022		
YEAR 2023		
YEAR 2024		
YEAR 2025		
YEAR 2026		
YEAR 2027		
YEAR 2028		
YEAR 2029		
YEAR 2030		
YEAR 2031		
YEAR 2032		
YEAR 2033		
YEAR 2034		
YEAR 2035		
YEAR 2036		
YEAR 2037		
YEAR 2038		
YEAR 2039		
YEAR 2040		
DC2_HPT	257	257
DC2_EFP	258	258
DC2_SFD	259	259
DC2_3800	260	260
BIGSD_I5	269	269
BIGSD_GP	270	270
CAN_Q_HM	271	271
CAN_Q_15	272	272
CAN_Q_HM	273	273
CAN_Q_15	274	274
CAN_Q_HM	275	275
CAN_Q_15	276	276
CAN_Q_HM	277	277
CAN_Q_15	278	278

SEASONAL HEAT RATE PROFILE	SEASON 7	JULY
YEAR 2011		
YEAR 2012		
YEAR 2013		
YEAR 2014		
YEAR 2015		
YEAR 2016		
YEAR 2017		
YEAR 2018		
CAN_Q_15	1	1
CAN_Q_2	2	2
CAN_Q_3	3	3
CAN_Q_10	3	3
CAN_Q_15	3	3
CAN_Q_3_HM	3	3
CAN_Q_3_10	3	3
CAN_Q_3_10	3	3

YEAR	SEASON	JULY	GIN_5_HM	GIN_5_15	GIN_6_HM	GIN_6_15	KMR_F_HM_1	KMR_F_GP_1	KMR_F_HM_2
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									
SEASONAL HEAT RATE PROFILE	SEASON 7	JULY	279	280	281	282	283	284	285
YEAR 2011			5	5	6	6	1	1	2
YEAR 2012			0	0	0	0	0	0	0
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	7	JULY	279	280	281	282	283	284	285
YEAR 2017				GLN_5_HM	GLN_5_15	GLN_6_HM	GLN_6_15	KWR_F_HM	KWR_F_GP	KWR_F_HM
YEAR 2018				279	280	281	282	283	284	285
YEAR 2019				5	5	6	6	1	1	2
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THERMAL UNIT	SEASON	7	JULY	286	287	288	289	290	291	292
SEASONAL HEAT RATE PROFILE				KWR_F_GP	KWR_F_HM	KWR_F_GP	KWA_1_HM	KWA_1_15	KWA_2_HM	KWA_2_15
YEAR 2011				286	287	288	289	290	291	292
YEAR 2012				2	3	3	1	1	2	2
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	7	JULY	293	294	295	296	297	298	299
YEAR 2029				MSKR1_HM	MSKR1_HM	MSKR2_HM	MSKR2_HM	MSKR3_GP	MR3HM_12	MSKR4_GP
YEAR 2030				1	1	2	2	3	3	4
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THERMAL UNIT	SEASON	7	JULY	300	301	302	303	304	305	306
YEAR 2011				M4HM_12	PICWY_HM	PICWY_GP	SP1_F_HM	SP1_F_15	SP2_F_HM	SP2_F_15
YEAR 2012				4	5	5	1	1	2	2
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

THERMAL UNIT	SEASON	7	JULY	307	308	309	310	311	312	313
				SP3_Q_HM	SP3_Q_15	SP4_Q_HM	SP4_Q_15	SP5_HM	SP5_15	TNR_F_HM
				3	3	4	4	5	5	1

4-Company East Optimization

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

SEASONAL HEAT RATE PROFILE	SEASON 7	JULY	500	501	502	503	958	959	960
			DUMMY_OP	DUMMY_IM	DUMMY_AB	DUMMY_KP	CC_KGCO	RP2D_KP	RP2D_TM
YEAR 2011	314	315	316	317	318	319	320		
SEASONAL HEAT RATE PROFILE	TNR_F_15 1	TNR_F_HM 2	TNR_F_15 2	TNR_F_HM 3	TNR_F_15 3	PW_GP_15 5	RHills 1		
YEAR 2012	0	0	0	0	0	0	0	0	0
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT	SEASON 7	JULY	500	501	502	503	958	959	960
			DUMMY_OP	DUMMY_IM	DUMMY_AB	DUMMY_KP	CC_KGCO	RP2D_KP	RP2D_TM
YEAR 2011									
SEASONAL HEAT RATE PROFILE									
YEAR 2012	0	0	0	0	0	0	0	0	0
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									

YEAR	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
SEASONAL HEAT RATE PROFILE	961	962	963	964	965	966	967	0	0	0	0	0	0	0	0	0
YEAR 2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2012																
YEAR 2013																
YEAR 2014																
YEAR 2015																
YEAR 2016																
YEAR 2017																
YEAR 2018																
YEAR 2019																
YEAR 2020																
YEAR 2021																
YEAR 2022																

NOTE: DATA DISPLAYED ABOVE 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	JULY	961	962	963	964	965	966	967
YEAR 2023			CSV6_SCR	CSV5_SCR	DUMMY_OP	DUMMY_OP	RPID_03	RPID_KP	BS2_FGD
YEAR 2024			961	962	963	964	965	966	967
YEAR 2025			961	962	963	964	965	966	967
YEAR 2026			961	962	963	964	965	966	967
YEAR 2027			961	962	963	964	965	966	967
YEAR 2028			961	962	963	964	965	966	967
YEAR 2029			961	962	963	964	965	966	967
YEAR 2030			961	962	963	964	965	966	967
YEAR 2031			961	962	963	964	965	966	967
YEAR 2032			961	962	963	964	965	966	967
YEAR 2033			961	962	963	964	965	966	967
YEAR 2034			961	962	963	964	965	966	967
YEAR 2035			961	962	963	964	965	966	967
YEAR 2036			961	962	963	964	965	966	967
YEAR 2037			961	962	963	964	965	966	967
YEAR 2038			961	962	963	964	965	966	967
YEAR 2039			961	962	963	964	965	966	967
YEAR 2040			961	962	963	964	965	966	967

THERMAL UNIT SEASON 7 JULY

SEASONAL HEAT RATE PROFILE	968	969	970	971	972	973	974
YEAR 2011	CR2_NGCC	CR1_NGCC	MRS_NGCC	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
YEAR 2012	968	969	970	971	972	973	974
YEAR 2013	968	969	970	971	972	973	974
YEAR 2014	968	969	970	971	972	973	974
YEAR 2015	968	969	970	971	972	973	974
YEAR 2016	968	969	970	971	972	973	974
YEAR 2017	968	969	970	971	972	973	974
YEAR 2018	968	969	970	971	972	973	974
YEAR 2019	968	969	970	971	972	973	974
YEAR 2020	968	969	970	971	972	973	974
YEAR 2021	968	969	970	971	972	973	974
YEAR 2022	968	969	970	971	972	973	974
YEAR 2023	968	969	970	971	972	973	974
YEAR 2024	968	969	970	971	972	973	974
YEAR 2025	968	969	970	971	972	973	974
YEAR 2026	968	969	970	971	972	973	974
YEAR 2027	968	969	970	971	972	973	974
YEAR 2028	968	969	970	971	972	973	974
YEAR 2029	968	969	970	971	972	973	974
YEAR 2030	968	969	970	971	972	973	974
YEAR 2031	968	969	970	971	972	973	974
YEAR 2032	968	969	970	971	972	973	974
YEAR 2033	968	969	970	971	972	973	974
YEAR 2034	968	969	970	971	972	973	974
YEAR 2035	968	969	970	971	972	973	974
YEAR 2036	968	969	970	971	972	973	974

YEAR	SEASON	JULY	975	976	977	978	979	980	981
SEASONAL HEAT RATE PROFILE	HEAT RATE PROFILE	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
		975	976	977	978	979	980	981	
YEAR 2037	SEASON 7	975	976	977	978	979	980	981	
YEAR 2038		975	976	977	978	979	980	981	
YEAR 2039		975	976	977	978	979	980	981	
YEAR 2040		975	976	977	978	979	980	981	
YEAR 2011		0	0	0	0	0	0	0	0
YEAR 2012		0	0	0	0	0	0	0	0
YEAR 2013		0	0	0	0	0	0	0	0
YEAR 2014		0	0	0	0	0	0	0	0
YEAR 2015		0	0	0	0	0	0	0	0
YEAR 2016		0	0	0	0	0	0	0	0
YEAR 2017		0	0	0	0	0	0	0	0
YEAR 2018		0	0	0	0	0	0	0	0
YEAR 2019		0	0	0	0	0	0	0	0
YEAR 2020		0	0	0	0	0	0	0	0
YEAR 2021		0	0	0	0	0	0	0	0
YEAR 2022		0	0	0	0	0	0	0	0
YEAR 2023		0	0	0	0	0	0	0	0
YEAR 2024		0	0	0	0	0	0	0	0
YEAR 2025		0	0	0	0	0	0	0	0
YEAR 2026		0	0	0	0	0	0	0	0
YEAR 2027		0	0	0	0	0	0	0	0
YEAR 2028		0	0	0	0	0	0	0	0
YEAR 2029		0	0	0	0	0	0	0	0
YEAR 2030		0	0	0	0	0	0	0	0
YEAR 2031		0	0	0	0	0	0	0	0
YEAR 2032		0	0	0	0	0	0	0	0
YEAR 2033		0	0	0	0	0	0	0	0
YEAR 2034		0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT		SEASON 7									
		JULY									
		975	976	977	978	979	980	981			
		DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP			
YEAR 2035	-----	975	976	977	978	979	980	981			
YEAR 2036	-----										
YEAR 2037	-----										
YEAR 2038	-----										
YEAR 2039	-----										
YEAR 2040	-----										

THERMAL UNIT		SEASON 7									
		JULY									
		982	983	984	985	986	987	988			
		DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP			
YEAR 2011	-----	982	983	984	985	986	987	988			
YEAR 2012	-----										
YEAR 2013	-----										
YEAR 2014	-----										
YEAR 2015	-----										
YEAR 2016	-----										
YEAR 2017	-----										
YEAR 2018	-----										
YEAR 2019	-----										
YEAR 2020	-----										
YEAR 2021	-----										
YEAR 2022	-----										
YEAR 2023	-----										
YEAR 2024	-----										
YEAR 2025	-----										
YEAR 2026	-----										
YEAR 2027	-----										
YEAR 2028	-----										
YEAR 2029	-----										
YEAR 2030	-----										
YEAR 2031	-----										
YEAR 2032	-----										
YEAR 2033	-----										
YEAR 2034	-----										
YEAR 2035	-----										
YEAR 2036	-----										
YEAR 2037	-----										
YEAR 2038	-----										
YEAR 2039	-----										
YEAR 2040	-----										

THERMAL UNIT		SEASON 7									
		JULY									
		989	990	991	992	993	994	995			
		DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP			
YEAR 2011	-----	989	990	991	992	993	994	995			
YEAR 2012	-----										
YEAR 2013	-----										
YEAR 2014	-----										
YEAR 2015	-----										

SEASONAL HEAT RATE PROFILE		SEASON 7									
		JULY									
		989	990	991	992	993	994	995			
		DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP			
YEAR 2011	-----	989	990	991	992	993	994	995			
YEAR 2012	-----										
YEAR 2013	-----										
YEAR 2014	-----										
YEAR 2015	-----										

YEAR	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
YEAR 2016																									
YEAR 2017																									
YEAR 2018																									
YEAR 2019																									
YEAR 2020																									
YEAR 2021																									
YEAR 2022																									
YEAR 2023																									
YEAR 2024																									
YEAR 2025																									
YEAR 2026																									
YEAR 2027																									
YEAR 2028																									
YEAR 2029																									
YEAR 2030																									
YEAR 2031																									
YEAR 2032																									
YEAR 2033																									
YEAR 2034																									
YEAR 2035																									
YEAR 2036																									
YEAR 2037																									
YEAR 2038																									
YEAR 2039																									
YEAR 2040																									

SEASON	7	JULY	996	997	998	999
THERMAL UNIT			T4_TRONA	REP2TR_KP	REP2TR_IM	DUMMY_OP
			996	997	998	999
YEAR 2011			0	0	0	0
YEAR 2012						
YEAR 2013						

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

YEAR	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2011	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2012	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2013	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2014	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2015	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2016	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2017	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2018	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2019	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2020	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2021	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2022	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2023	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2024	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2025	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 8	AUGUST	CARD 1+2 8 2	CARD 3 9 3	CLIFTY 10 1	CLIFTY 11 2	CLIFTY 12 3	CLIFTY 13 4	CLIFTY 14 5
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									
=====									
THERMAL UNIT	SEASON 8	AUGUST	15 CLIFTY 6	16 CLINCH R 1	17 CLINCH R 2	18 CLINCH R 3	19 ROCKP_KP 1	20 ROCKP_KP 2	21 CSVL 1-4 3
SEASONAL HEAT RATE PROFILE			0	0	0	0	0	0	0
YEAR 2011									
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									

4-Company East Optimization

YEAR 2040	SEASON 8	AUGUST	22	23	24	25	26	27	28
THERMAL UNIT	SEASON 8	AUGUST	CSVL 1-4	CSVL 5+6	CSVL 5+6	D C COOK	D C COOK	GAVIN	GAVIN
			4	5	6	1	2	1	2
YEAR 2011	HEAT RATE PROFILE		0	0	0	0	0	0	19
YEAR 2012	HEAT RATE PROFILE		0	0	0	0	0	0	0
YEAR 2013	HEAT RATE PROFILE		0	0	0	0	0	0	0
YEAR 2014	HEAT RATE PROFILE		0	0	0	0	0	0	0
YEAR 2015	HEAT RATE PROFILE		0	0	0	0	0	0	0
YEAR 2016	HEAT RATE PROFILE		0	0	0	0	0	0	0
YEAR 2017	HEAT RATE PROFILE		0	0	0	0	0	0	0
YEAR 2018	HEAT RATE PROFILE		0	0	0	0	0	0	0
YEAR 2019	HEAT RATE PROFILE		0	0	0	0	0	0	0
YEAR 2020	HEAT RATE PROFILE		0	0	0	0	0	0	0
YEAR 2021	HEAT RATE PROFILE		0	0	0	0	0	0	0
YEAR 2022	HEAT RATE PROFILE		0	0	0	0	0	0	0
YEAR 2023	HEAT RATE PROFILE		0	0	0	0	0	0	0
YEAR 2024	HEAT RATE PROFILE		0	0	0	0	0	0	0
YEAR 2025	HEAT RATE PROFILE		0	0	0	0	0	0	0
YEAR 2026	HEAT RATE PROFILE		0	0	0	0	0	0	0
YEAR 2027	HEAT RATE PROFILE		0	0	0	0	0	0	0
YEAR 2028	HEAT RATE PROFILE		0	0	0	0	0	0	0
YEAR 2029	HEAT RATE PROFILE		0	0	0	0	0	0	0
YEAR 2030	HEAT RATE PROFILE		0	0	0	0	0	0	0
YEAR 2031	HEAT RATE PROFILE		0	0	0	0	0	0	0
YEAR 2032	HEAT RATE PROFILE		0	0	0	0	0	0	0
YEAR 2033	HEAT RATE PROFILE		0	0	0	0	0	0	0
YEAR 2034	HEAT RATE PROFILE		0	0	0	0	0	0	0
YEAR 2035	HEAT RATE PROFILE		0	0	0	0	0	0	0
YEAR 2036	HEAT RATE PROFILE		0	0	0	0	0	0	0
YEAR 2037	HEAT RATE PROFILE		0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

YEAR 2038	YEAR 2039	YEAR 2040	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
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			THERMAL UNIT		SEASON 8		AUGUST																											
			CSVL 1-4		22		23		24		25		26		27		28																	
			GLEN LTN		29		30		33		34		35		36		37																	
					5		6		1		2		3		1		2																	

			THERMAL UNIT		SEASON 8		AUGUST																											
			GLEN LTN		29		30		33		34		35		36		37																	
					5		6		1		2		3		1		2																	

YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018								
SEASONAL HEAT RATE PROFILE															
THERMAL UNIT															
		SEASON 8		AUGUST											
		KYGBR		=====											
		38		39		40		41		42		43		44	
		1		2		3		4		5		1		2	
		0		0		0		0		0		0		0	

----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

THERMAL UNIT	SEASON	8	AUGUST	=====						
				45	46	47	48	49	50	51
				MOUNT_	MUSK	MUSK	MUSK	MUSK	MUSK	P
				ER	RVR	RVR	RVR	RVR	RVR	SPORN
				1	1	2	3	4	5	1
YEAR 2011	SEASONAL HEAT RATE PROFILE			45	0	0	0	0	0	0
YEAR 2012	SEASONAL HEAT RATE PROFILE			0	0	0	0	0	0	0
YEAR 2013	SEASONAL HEAT RATE PROFILE									
YEAR 2014	SEASONAL HEAT RATE PROFILE			150	0	0	0	0	0	0
YEAR 2015	SEASONAL HEAT RATE PROFILE			0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	8	AUGUST	45	46	47	48	49	50	51
				MOUNT_ER	MUSK_RVR	MUSK_RVR	MUSK_RVR	MUSK_RVR	MUSK_RVR	P_SPORN
YEAR 2016				1	1	2	3	4	5	1
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THERMAL UNIT	SEASON	8	AUGUST	52	53	54	55	56	57	58
				P_SPORN	P_SPORN	P_SPORN	P_SPORN	PIWAY	RPRFT_TM	RPRUN_TM
YEAR 2011				2	3	4	5	5	1	1
SEASONAL HEAT RATE PROFILE				0	0	0	0	0	0	0
YEAR 2012										
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										

YEAR	HEAT RATE PROFILE	ROCKP_LM	STUART	STUART	STUART	STUART	AMOS_AP	TANN
YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038
YEAR 2039	YEAR 2040	THERMAL UNIT						
SEASONAL HEAT RATE PROFILE		SEASON	AUGUST					
YEAR 2011	YEAR 2012	8	59	61	62	63	64	65
YEAR 2013	YEAR 2014	ROCKP_LM	2	STUART	STUART	STUART	STUART	AMOS_AP
YEAR 2015	YEAR 2016	2	1	2	3	4	3	TANN
YEAR 2017	YEAR 2018	0	1	2	3	4	3	1-3
YEAR 2019	YEAR 2020	0	1	2	3	4	3	1
YEAR 2021	YEAR 2022	0	1	2	3	4	3	1
YEAR 2023	YEAR 2024	0	1	2	3	4	3	1
YEAR 2025	YEAR 2026	0	1	2	3	4	3	1
YEAR 2027	YEAR 2027	0	1	2	3	4	3	1

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	8	AUGUST	59	61	62	63	64	65	66
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THERMAL UNIT	SEASON	8	AUGUST	67	68	69	70	71	72	73
YEAR 2011										
YEAR 2012										
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THERMAL UNIT	SEASON	8	AUGUST	75	76	77	78	79	80	81
YEAR 2011										
YEAR 2012										
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

4-Company East Optimization

SEASONAL HEAT RATE PROFILE	CEREDO 1	CEREDO 2	CEREDO 3	CEREDO 4	CEREDO 5	CEREDO 6	DARBY 1
YEAR 2011	0	0	0	0	0	0	0
YEAR 2012	0	0	0	0	0	0	0
YEAR 2013	0	0	0	0	0	0	0
YEAR 2014	0	0	0	0	0	0	0
YEAR 2015	0	0	0	0	0	0	0
YEAR 2016	0	0	0	0	0	0	0
YEAR 2017	0	0	0	0	0	0	0
YEAR 2018	0	0	0	0	0	0	0
YEAR 2019	0	0	0	0	0	0	0
YEAR 2020	0	0	0	0	0	0	0
YEAR 2021	0	0	0	0	0	0	0
YEAR 2022	0	0	0	0	0	0	0
YEAR 2023	0	0	0	0	0	0	0
YEAR 2024	0	0	0	0	0	0	0
YEAR 2025	0	0	0	0	0	0	0
YEAR 2026	0	0	0	0	0	0	0
YEAR 2027	0	0	0	0	0	0	0
YEAR 2028	0	0	0	0	0	0	0
YEAR 2029	0	0	0	0	0	0	0
YEAR 2030	0	0	0	0	0	0	0
YEAR 2031	0	0	0	0	0	0	0
YEAR 2032	0	0	0	0	0	0	0
YEAR 2033	0	0	0	0	0	0	0
YEAR 2034	0	0	0	0	0	0	0
YEAR 2035	0	0	0	0	0	0	0
YEAR 2036	0	0	0	0	0	0	0
YEAR 2037	0	0	0	0	0	0	0
YEAR 2038	0	0	0	0	0	0	0
YEAR 2039	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

YEAR 2040	SEASON 8	AUGUST	75	76	77	78	79	80	81
			CEREDO 1	CEREDO 2	CEREDO 3	CEREDO 4	CEREDO 5	CEREDO 6	DARBY 1

YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
82	82	83	84	85	86	87	88	89	90	91	92	93	94	94	101														
DARBY 2	DARBY 2	DARBY 3	DARBY 4	DARBY 5	DARBY 6	IMBG WIN 1	IMBG WIN 2	IMBG SMR 1	IMBG-SMR 2	WATR CC 1	WATR2 1	DRESSEN 1	DRESD2 1	NUCLEAR 1															

SEASONAL HEAT RATE PROFILE	SEASON 8	AUGUST	89	90	91	92	93	94	101
YEAR 2011			89	90	91	92	93	94	101
YEAR 2012			1	2	1	1	1	1	1
YEAR 2013			0	0	0	0	0	0	0
YEAR 2014			0	0	0	0	0	0	0
YEAR 2015			0	0	0	0	0	0	0
YEAR 2016			0	0	0	0	0	0	0
YEAR 2017			0	0	0	0	0	0	0
YEAR 2018			0	0	0	0	0	0	0
YEAR 2019			0	0	0	0	0	0	0
YEAR 2020			0	0	0	0	0	0	0

----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

SEASONAL HEAT RATE PROFILE	UQC_NCCS	PC_UL_SU	UQC_RCCS	IGC_NCCS	IGCC_GE	IGC_RCCS	CC_2X1FB
YEAR 2011	102	103	104	105	106	107	108
YEAR 2012	1	1	1	1	1	1	1
YEAR 2013	0	0	0	0	0	0	0
YEAR 2014	0	0	0	0	0	0	0
YEAR 2015	0	0	0	0	0	0	0
YEAR 2016	0	0	0	0	0	0	0
YEAR 2017	0	0	0	0	0	0	0
YEAR 2018	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

YEAR	102	103	104	105	106	107	108
YEAR 2019	UPC_NCCS 1	PC_UL_SU 1	UPC_RCCS 1	IGC_NCCS 1	IGCC GR 1	IGC_RCCS 1	CC 2X1FB 1
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

YEAR	109	110	111	114	115	124	125
YEAR 2011	CC 2X1FA 1	CC 1x17H 1	BS2_CC 1	CT GE7FA 1	CT_GE7EA 1	BS2_FGD 2	BS1_FGD 1
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

SEASONAL HEAT RATE PROFILE

YEAR	0	0	182	0	0	0	0
YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							

YEAR	2033	2034	2035	2036	2037	2038	2039	2040
YEAR 2033	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2034	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2035	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2036	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2037	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2038	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2039	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2040	-----	-----	-----	-----	-----	-----	-----	-----
THERMAL UNIT								
===== SEASON 8 AUGUST =====								
SEASONAL HEAT RATE	126	127	129	130	131	132	133	
PROFITE	GSV5_SCR 5	GSV6_SCR 6	CR1_NGCC 1	CR2_NGCC 2	MR5_NGCC 5	MR5_FGD 5	RP1D_IM 1	
YEAR 2011	0	0	0	0	0	0	0	
YEAR 2012	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2013	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2014	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2015	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2016	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2017	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2018	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2019	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2020	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2021	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2022	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2023	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2024	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2025	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2026	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2027	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2028	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2029	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2030	-----	-----	-----	-----	-----	-----	-----	-----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	8	AUGUST	126	127	129	130	131	132	133
YEAR 2031				CSV5_SCR 5	CSV6_SCR 6	CR1_NGCC 1	CR2_NGCC 2	MRS_NGCC 5	MRS_FGD 5	RPID_IM 1
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THERMAL UNIT	SEASON	8	AUGUST	134	135	136	137	144	145	146
YEAR 2011				RP2D_IM 2	TAN4_FGD 4	RP1D_KP 1	RP2D_KP 2	TC4_ESP 4	A390% AP 3	A390%OP 3
SEASONAL HEAT RATE PROFILE				0	0	0	0	0	0	0
YEAR 2012										
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										
THERMAL UNIT	SEASON	8	AUGUST	147	148	149	150	151	153	154
MTN_90%				RPT1_90% 1	RPT1_90% 1	RPT2_90% 2	GVL_90% 1	GVZ_90% 2	MTN_18% 1	CC_FA_KP 1
SEASONAL HEAT RATE PROFILE				0	0	0	0	0	0	0

----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

SEASONAL HEAT RATE PROFILE	SEASON 8	AUGUST	170	171	172	173	174	175	176
			NUKE_AP	IGCC_IM	PC_UL_IM	NUKE_IM	IGCC_KP	PC_UL_KP	NUKE_KP
YEAR 2011			0	0	0	0	0	0	0
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GF.INPUT.THERMAL UNIT.

THermal UNIT	SEASON	8	AUGUST	170	171	172	173	174	175	176
				NUKE_AP	IGCC_IM	PC_UL_IM	NUKE_IM	IGCC_KP	PC_UL_KP	NUKE_KP
YEAR 2023				1	1	1	1	1	1	1
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THermal UNIT	SEASON	8	AUGUST	177	178	179	181	182	183	184
				IGCC_OH	PC_UL_OH	NUKE_OH	RPID_03	RPID_04	RPID_08	RPID_20
YEAR 2011				1	1	1	1	1	1	1
YEAR 2012				0	0	0	0	0	0	0
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										

YEAR	2037	2038	2039	2040	SEASON	8	AUGUST	186	187	188	189	190	191	223										
SEASONAL HEAT RATE PROFILE	SEASONAL HEAT RATE PROFILE	SEASONAL HEAT RATE PROFILE	SEASONAL HEAT RATE PROFILE	SEASONAL HEAT RATE PROFILE	SEASONAL HEAT RATE PROFILE	SEASONAL HEAT RATE PROFILE	SEASONAL HEAT RATE PROFILE	SEASONAL HEAT RATE PROFILE	SEASONAL HEAT RATE PROFILE	SEASONAL HEAT RATE PROFILE	SEASONAL HEAT RATE PROFILE	SEASONAL HEAT RATE PROFILE	SEASONAL HEAT RATE PROFILE	SEASONAL HEAT RATE PROFILE										
								RP1TR_1M	RP2TR_1M	RP1TR_KP	RP2TR_KP	T4_TROMA	T4_TRCCR	MR_STKRI										
								1	2	1	2	4	4	1										
YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	8	AUGUST	186 RPT1_IM 1	187 RPT2_IM 2	188 RPT1_KP 1	189 RPT2_KP 2	190 T4_TROVA 4	191 T4_TRCCR 4	223 MR_STKR1 1
---	YEAR 2035	---	---	---	---	---	---	---	---	---
---	YEAR 2036	---	---	---	---	---	---	---	---	---
---	YEAR 2037	---	---	---	---	---	---	---	---	---
---	YEAR 2038	---	---	---	---	---	---	---	---	---
---	YEAR 2039	---	---	---	---	---	---	---	---	---
---	YEAR 2040	---	---	---	---	---	---	---	---	---

THERMAL UNIT	SEASON	8	AUGUST	224 MR_STKR2 1	228 AMS3_SI 3	229 BS2_SI 2	230 MRS_CF 5	231 MRS_SI 5	232 RPT1_CF 1	233 RPT2_CF 2
---	YEAR 2011	---	---	---	---	---	---	---	---	---
---	YEAR 2012	---	---	---	---	---	---	---	---	---
---	YEAR 2013	---	---	---	---	---	---	---	---	---
---	YEAR 2014	---	---	---	---	---	---	---	---	---
---	YEAR 2015	---	---	---	---	---	---	---	---	---
---	YEAR 2016	---	---	---	---	---	---	---	---	---
---	YEAR 2017	---	---	---	---	---	---	---	---	---
---	YEAR 2018	---	---	---	---	---	---	---	---	---
---	YEAR 2019	---	---	---	---	---	---	---	---	---
---	YEAR 2020	---	---	---	---	---	---	---	---	---
---	YEAR 2021	---	---	---	---	---	---	---	---	---
---	YEAR 2022	---	---	---	---	---	---	---	---	---
---	YEAR 2023	---	---	---	---	---	---	---	---	---
---	YEAR 2024	---	---	---	---	---	---	---	---	---
---	YEAR 2025	---	---	---	---	---	---	---	---	---
---	YEAR 2026	---	---	---	---	---	---	---	---	---
---	YEAR 2027	---	---	---	---	---	---	---	---	---
---	YEAR 2028	---	---	---	---	---	---	---	---	---
---	YEAR 2029	---	---	---	---	---	---	---	---	---
---	YEAR 2030	---	---	---	---	---	---	---	---	---
---	YEAR 2031	---	---	---	---	---	---	---	---	---
---	YEAR 2032	---	---	---	---	---	---	---	---	---
---	YEAR 2033	---	---	---	---	---	---	---	---	---
---	YEAR 2034	---	---	---	---	---	---	---	---	---
---	YEAR 2035	---	---	---	---	---	---	---	---	---
---	YEAR 2036	---	---	---	---	---	---	---	---	---
---	YEAR 2037	---	---	---	---	---	---	---	---	---
---	YEAR 2038	---	---	---	---	---	---	---	---	---
---	YEAR 2039	---	---	---	---	---	---	---	---	---
---	YEAR 2040	---	---	---	---	---	---	---	---	---

THERMAL UNIT	SEASON	8	AUGUST	234 RPT1_SI 1	235 RPT2_SI 2	251 DC1_HPT 1	252 DC1_IS 1	253 DC1_BFF 1	254 DC1_I7 1	255 DC1_3800 1
---	YEAR 2011	---	---	---	---	---	---	---	---	---
---	YEAR 2012	---	---	---	---	---	---	---	---	---
---	YEAR 2013	---	---	---	---	---	---	---	---	---
---	YEAR 2014	---	---	---	---	---	---	---	---	---
---	YEAR 2015	---	---	---	---	---	---	---	---	---

----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019
0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED ABOVE 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAR.INPUT.THERMAL UNIT.

THERMAL UNIT SEASON 8 AUGUST

DC2_HPT	257	DC2_EFF	258	DC2_SPU	259	DC2_3800	260	BIGSD_15	269	BIGSD_GP	270	CIN_Q_HM	271
	2		2		2		2		1		1		1

YEAR 2014 -----
YEAR 2015 -----
YEAR 2016 -----
YEAR 2017 -----
YEAR 2018 -----
YEAR 2019 -----
YEAR 2020 -----
YEAR 2021 -----
YEAR 2022 -----
YEAR 2023 -----
YEAR 2024 -----
YEAR 2025 -----
YEAR 2026 -----
YEAR 2027 -----
YEAR 2028 -----
YEAR 2029 -----
YEAR 2030 -----
YEAR 2031 -----
YEAR 2032 -----
YEAR 2033 -----
YEAR 2034 -----
YEAR 2035 -----
YEAR 2036 -----
YEAR 2037 -----
YEAR 2038 -----
YEAR 2039 -----
YEAR 2040 -----

THERMAL UNIT SEASON 8 AUGUST

CIN_Q_15	272	CIN_Q_HM	273	CIN_Q_15	274	CIN_Q_HM	275	CIN_Q_15	276	CVI_3_HM	277	CVI_3_10	278
	1		2		2		3		3		3		3

SEASONAL HEAT RATE PROFILE

YEAR 2011

YEAR 2012

YEAR 2013

YEAR 2014

YEAR 2015

YEAR 2016

YEAR 2017

YEAR 2018

YEAR 2019

YEAR 2020

YEAR 2021

YEAR 2022

YEAR 2023

YEAR 2024

YEAR 2025

YEAR 2026

YEAR 2027

0

0

0

0

0

0

0

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAR.INPUT.THERMAL UNIT.

----- THERMAL UNIT SEASON 8 AUGUST -----

YEAR	GLN_5_HM_5	GLN_5_15_5	GLN_6_HM_6	GLN_6_15_6	KRR_F_HM_1	KRR_F_GP_1	KRR_F_HM_2
YEAR 2026	279	280	281	282	283	284	285
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

----- THERMAL UNIT SEASON 8 AUGUST -----

SEASONAL HEAT RATE PROFILE	KMR_F_GP_2	KMR_F_HM_3	KMR_F_GP_3	KWA_1_HM_1	KWA_1_15_1	KWA_2_HM_2	KWA_2_15_2
YEAR 2011	286	287	288	289	290	291	292
YEAR 2012	0	0	0	0	0	0	0
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAR.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	8	AUGUST	293	294	295	296	297	298	299
				MSR1_HM_1	MSR1_12_1	MSKR2_HM_2	MSKR2_12_2	MSKR3_GP_3	MR3HM_12_3	MSKR4_GP_4
YEAR 2038										
YEAR 2039										
YEAR 2040										

THERMAL UNIT	SEASON	8	AUGUST	300	301	302	303	304	305	306
				M4HM_12_4	PICWY_HM_5	PICWY_GP_5	SP1_F_HM_1	SP1_F_15_1	SP2_F_HM_2	SP2_F_15_2
YEAR 2011										
SEASONAL HEAT RATE PROFILE				0	0	0	0	0	0	0
YEAR 2012										
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THERMAL UNIT	SEASON	8	AUGUST	307	308	309	310	311	312	313
				SP3_O_HM_3	SP3_O_15_3	SP4_O_HM_4	SP4_O_15_4	SP5_HM_5	SP5_15_5	TMR_F_HM_1
YEAR 2011										
SEASONAL HEAT RATE PROFILE				0	0	0	0	0	0	0
YEAR 2012										
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	8	AUGUST	314 TNR_F_15 1	315 TNR_F_HM 2	316 TNR_F_15 2	317 TNR_F_HM 3	318 TNR_F_15 3	319 PW_GP_15 5	320 RH11s 1
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THERMAL UNIT	SEASON	8	AUGUST	500 DUMM_OP 0	501 DUMM_TM 0	502 DUMM_AP 0	503 DUMM_KP 0	958 CC_KPCO 958	959 RP2D_KP 959	960 RP2D_TM 960
YEAR 2011				0	0	0	0	0	0	0
YEAR 2012										
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										

YEAR	HEAT RATE PROFILE	961	962	963	964	965	966	967
YEAR	HEAT RATE PROFILE	CSV6_SCR	CSV5_SCR	DUMMY_OP	DUMMY_OP	RP1D_03	RP1D_KP	BS2_Fed
YEAR	HEAT RATE PROFILE	961	962	963	964	965	966	967
YEAR 2031	-----							
YEAR 2032	-----							
YEAR 2033	-----							
YEAR 2034	-----							
YEAR 2035	-----							
YEAR 2036	-----							
YEAR 2037	-----							
YEAR 2038	-----							
YEAR 2039	-----							
YEAR 2040	-----							
THERMAL UNIT		SEASON 8 AUGUST						
-----		-----						
YEAR 2011	-----	0	0	0	0	0	0	0
YEAR 2012	-----							
YEAR 2013	-----							
YEAR 2014	-----							
YEAR 2015	-----							
YEAR 2016	-----							
YEAR 2017	-----							
YEAR 2018	-----							
YEAR 2019	-----							
YEAR 2020	-----							
YEAR 2021	-----							
YEAR 2022	-----							
YEAR 2023	-----							
YEAR 2024	-----							
YEAR 2025	-----							
YEAR 2026	-----							
YEAR 2027	-----							
YEAR 2028	-----							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

YEAR	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
SEASON	8	8	8	8	8	8	8	8	8	8	8	8
MONTH	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST
CSV6_SCR	961	962	963	964	965	966	967					
DUMMY_OP	961	963	964	965	966	967						
CSV5_SCR	962	963	964	965	966	967						
DUMMY_OP	962	963	964	965	966	967						
RPID_03	965	966	967									
RPID_KP	966	967										
BS2_RQD	967											

YEAR	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
SEASON	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
MONTH	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST	AUGUST
CR2_NGCC	968	969	970	971	972	973	974																							
DUMMY_OP	968	969	970	971	972	973	974																							
CR1_NGCC	969	970	971	972	973	974																								
DUMMY_OP	969	970	971	972	973	974																								
MRS_NGCC	970	971	972	973	974																									
DUMMY_OP	970	971	972	973	974																									
DUMMY_OP	971	972	973	974																										
DUMMY_OP	972	973	974																											
DUMMY_OP	973	974																												
DUMMY_OP	974																													
DUMMY_OP	975	976	977	978	979	980	981																							
DUMMY_OP	975	976	977	978	979	980	981																							
DUMMY_OP	976	977	978	979	980	981																								
DUMMY_OP	976	977	978	979	980	981																								
DUMMY_OP	977	978	979	980	981																									
DUMMY_OP	977	978	979	980	981																									
DUMMY_OP	978	979	980	981																										
DUMMY_OP	978	979	980	981																										
DUMMY_OP	979	980	981																											
DUMMY_OP	979	980	981																											
DUMMY_OP	980	981																												
DUMMY_OP	980	981																												
DUMMY_OP	981																													
DUMMY_OP	981																													

4-Company East Optimization

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SEASON	8	AUGUST
982	982	982
983	983	983
984	984	984
985	985	985
986	986	986
987	987	987
988	988	988

SEASON	8	AUGUST
989	989	989
990	990	990
991	991	991
992	992	992
993	993	993
994	994	994
995	995	995

YEAR	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
YEAR 2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2012														
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														
YEAR 2018														
YEAR 2019														
YEAR 2020														
YEAR 2021														
YEAR 2022														
YEAR 2023														
YEAR 2024														

----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

----- THERMAL UNIT SEASON 8 AUGUST -----

 996 T4_TROTA
 996 R2TR_KP
 997 R2TR_IM
 998 R2TR_IM
 998 DUMM_OP
 999

----- YEAR 2011 -----
 SEASONAL HEAT RATE PROFILE
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----

0 0 0 0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	8	AUGUST	996	997	998	999					
		T4_TRONA	RP2TR_KP	RP2TR_IM	DUMMY_OP							
		996	997	998	999							
YEAR 2023												
YEAR 2024												
YEAR 2025												
YEAR 2026												
YEAR 2027												
YEAR 2028												
YEAR 2029												
YEAR 2030												
YEAR 2031												
YEAR 2032												
YEAR 2033												
YEAR 2034												
YEAR 2035												
YEAR 2036												
YEAR 2037												
YEAR 2038												
YEAR 2039												
YEAR 2040												

THERMAL UNIT	SEASON	9	SEPTEMBER	AMOS	1	2	3	4	5	6	7
		AMOS	AMOS	AMOS_OP	BACKORD	BIG SAND	BIG SAND	CARD 1+2			
		1	2	3	6	1	2	1			
YEAR 2011		1	2	3	6	1	2	1			
YEAR 2012		0	0	0	0	0	0	0			
YEAR 2013											
YEAR 2014											
YEAR 2015											
YEAR 2016											
YEAR 2017											
YEAR 2018											
YEAR 2019											
YEAR 2020											
YEAR 2021											
YEAR 2022											
YEAR 2023											
YEAR 2024											
YEAR 2025											
YEAR 2026											
YEAR 2027											
YEAR 2028											
YEAR 2029											
YEAR 2030											
YEAR 2031											
YEAR 2032											
YEAR 2033											
YEAR 2034											
YEAR 2035											
YEAR 2036											

YEAR	SEASON	9 SEPTEMBER	CARD 1+2	CARD 3	CLIPFY 1	CLIPFY 2	CLIPFY 3	CLIPFY 4	CLIPFY 5
YEAR 2037	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2038	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2039	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2040	-----	-----	-----	-----	-----	-----	-----	-----	-----
THERMAL UNIT									
YEAR 2011	-----	-----	8	9	10	11	12	13	14
SEASONAL HEAT RATE PROFILE	-----	-----	2	3	1	2	3	4	5
YEAR 2012	-----	-----	0.	0	0	0	0	0	0
YEAR 2013	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2014	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2015	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2016	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2017	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2018	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2019	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2020	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2021	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2022	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2023	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2024	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2025	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2026	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2027	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2028	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2029	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2030	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2031	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2032	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2033	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2034	-----	-----	-----	-----	-----	-----	-----	-----	-----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	9	SEPTEMBER
YEAR 2035	CARD 1+2	8	2
YEAR 2036	CARD 3	9	3
YEAR 2037	CLIFFY	10	1
YEAR 2038	CLIFFY	11	2
YEAR 2039	CLIFFY	12	3
YEAR 2040	CLIFFY	13	4
	CLIFFY	14	5

THERMAL UNIT	SEASON	9	SEPTEMBER
YEAR 2011	CLIFFY	15	6
YEAR 2012	CLINCH R	16	1
YEAR 2013	CLINCH R	17	2
YEAR 2014	CLINCH R	18	3
YEAR 2015	ROCKP_KP	19	1
YEAR 2016	ROCKP_KP	20	2
YEAR 2017	CSVL 1-4	21	3
YEAR 2018			
YEAR 2019			
YEAR 2020			
YEAR 2021			
YEAR 2022			
YEAR 2023			
YEAR 2024			
YEAR 2025			
YEAR 2026			
YEAR 2027			
YEAR 2028			
YEAR 2029			
YEAR 2030			
YEAR 2031			
YEAR 2032			
YEAR 2033			
YEAR 2034			
YEAR 2035			
YEAR 2036			
YEAR 2037			
YEAR 2038			
YEAR 2039			
YEAR 2040			

THERMAL UNIT	SEASON	9	SEPTEMBER
YEAR 2011	CSVL 1-4	22	4
YEAR 2012	CSVL 5+6	23	5
YEAR 2013	CSVL 5+6	24	6
YEAR 2014	D C COOK	25	1
YEAR 2015	D C COOK	26	2
	GAVIN	27	1
	GAVIN	28	2

----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

```

===== SEASON 9 SEPTEMBER =====
THERMAL UNIT          GLEN LYN 29
                        GLEN LYN 30
                        KAWMER 33
                        KAWMER 34
                        KAWMER 35
                        KANAWHA 36
                        KANAWHA 37
-----
YEAR 2011             0
SEASONAL HEAT RATE PROFILE
YEAR 2012             0
YEAR 2013             0
    
```

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

----- THERMAL UNIT SEASON 9 SEPTEMBER -----

29	30	33	34	35	36	37
GLEN LYN 5	GLEN LYN 6	KAMMER 1	KAMMER 2	KAMMER 3	KANAWHA 1	KANAWHA 2

----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

----- THERMAL UNIT SEASON 9 SEPTEMBER -----

38	39	40	41	42	43	44
KYGER 1	KYGER 2	KYGER 3	KYGER 4	KYGER 5	MITCHELL 1	MITCHELL 2

----- SEASONAL HEAT RATE PROFILE -----

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT SEASON 9 SEPTEMBER

THERMAL UNIT	SEASON	9 SEPTEMBER	45	46	47	48	49	50	51
			MOUNT_R	MUSK_RVR	MUSK_RVR	MUSK_RVR	MUSK_RVR	MUSK_RVR	P_SPORN
YEAR 2025			1	1	2	3	4	5	1
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT SEASON 9 SEPTEMBER

THERMAL UNIT	SEASON	9 SEPTEMBER	52	53	54	55	56	57	58
			P_SPORN	P_SPORN	P_SPORN	P_SPORN	PICWAY	RRPET_IM	RRUN_IM
YEAR 2011			2	3	4	5	5	1	1
SEASONAL HEAT RATE PROFILE			0	0	0	0	0	0	0
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									

YEAR	2039	2040	SEASON 9 SEPTEMBER																								
SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	
ROCKP_IM	59	2	61	62	63	64	65	66																			
STUART	1	0	0	2	3	4	3	1-3																			
AMOS_AP																											
TANN																											

NOTE: DATA DISPLAYED ABOVE 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	ROCKP_TM	STUART	STUART	STUART	STUART	STUART	AMOS_AP	TANN 1-3
YEAR 2037	9 SEPTEMBER	59	61	62	63	64	65	66	
YEAR 2038	9 SEPTEMBER	59	61	62	63	64	65	66	
YEAR 2039	9 SEPTEMBER	59	61	62	63	64	65	66	
YEAR 2040	9 SEPTEMBER	59	61	62	63	64	65	66	

THERMAL UNIT	SEASON	TANN 1-3	TANN 1-3	TANN 4	ZIMMER	ROBTWONE	ROBTWONE	ROBTWONE
YEAR 2011	9 SEPTEMBER	67	68	69	70	71	72	73
YEAR 2012	9 SEPTEMBER	67	68	69	70	71	72	73
YEAR 2013	9 SEPTEMBER	67	68	69	70	71	72	73
YEAR 2014	9 SEPTEMBER	67	68	69	70	71	72	73
YEAR 2015	9 SEPTEMBER	67	68	69	70	71	72	73
YEAR 2016	9 SEPTEMBER	67	68	69	70	71	72	73
YEAR 2017	9 SEPTEMBER	67	68	69	70	71	72	73
YEAR 2018	9 SEPTEMBER	67	68	69	70	71	72	73
YEAR 2019	9 SEPTEMBER	67	68	69	70	71	72	73
YEAR 2020	9 SEPTEMBER	67	68	69	70	71	72	73
YEAR 2021	9 SEPTEMBER	67	68	69	70	71	72	73
YEAR 2022	9 SEPTEMBER	67	68	69	70	71	72	73
YEAR 2023	9 SEPTEMBER	67	68	69	70	71	72	73
YEAR 2024	9 SEPTEMBER	67	68	69	70	71	72	73
YEAR 2025	9 SEPTEMBER	67	68	69	70	71	72	73
YEAR 2026	9 SEPTEMBER	67	68	69	70	71	72	73
YEAR 2027	9 SEPTEMBER	67	68	69	70	71	72	73
YEAR 2028	9 SEPTEMBER	67	68	69	70	71	72	73
YEAR 2029	9 SEPTEMBER	67	68	69	70	71	72	73
YEAR 2030	9 SEPTEMBER	67	68	69	70	71	72	73
YEAR 2031	9 SEPTEMBER	67	68	69	70	71	72	73
YEAR 2032	9 SEPTEMBER	67	68	69	70	71	72	73
YEAR 2033	9 SEPTEMBER	67	68	69	70	71	72	73
YEAR 2034	9 SEPTEMBER	67	68	69	70	71	72	73
YEAR 2035	9 SEPTEMBER	67	68	69	70	71	72	73
YEAR 2036	9 SEPTEMBER	67	68	69	70	71	72	73
YEAR 2037	9 SEPTEMBER	67	68	69	70	71	72	73
YEAR 2038	9 SEPTEMBER	67	68	69	70	71	72	73
YEAR 2039	9 SEPTEMBER	67	68	69	70	71	72	73
YEAR 2040	9 SEPTEMBER	67	68	69	70	71	72	73

THERMAL UNIT	SEASON	CEREDO	CEREDO	CEREDO	CEREDO	CEREDO	CEREDO	DARBY
YEAR 2011	9 SEPTEMBER	75	76	77	78	79	80	81
YEAR 2012	9 SEPTEMBER	75	76	77	78	79	80	81
YEAR 2013	9 SEPTEMBER	75	76	77	78	79	80	81
YEAR 2014	9 SEPTEMBER	75	76	77	78	79	80	81
YEAR 2015	9 SEPTEMBER	75	76	77	78	79	80	81
YEAR 2016	9 SEPTEMBER	75	76	77	78	79	80	81
YEAR 2017	9 SEPTEMBER	75	76	77	78	79	80	81

SEASONAL HEAT RATE PROFILE	YEAR	CEREDO	CEREDO	CEREDO	CEREDO	CEREDO	CEREDO	DARBY
YEAR 2011	2011	1	2	3	4	5	6	1
YEAR 2012	2012	1	2	3	4	5	6	1
YEAR 2013	2013	1	2	3	4	5	6	1
YEAR 2014	2014	1	2	3	4	5	6	1
YEAR 2015	2015	1	2	3	4	5	6	1
YEAR 2016	2016	1	2	3	4	5	6	1
YEAR 2017	2017	1	2	3	4	5	6	1

----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

----- YEAR 2011 -----	----- YEAR 2012 -----	----- YEAR 2013 -----	----- YEAR 2014 -----	----- YEAR 2015 -----
SEASONAL HEAT RATE PROFILE				
----- YEAR 2011 -----	0	0	0	0
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				

----- YEAR 2011 -----	----- YEAR 2012 -----	----- YEAR 2013 -----	----- YEAR 2014 -----	----- YEAR 2015 -----
SEASONAL HEAT RATE PROFILE				
----- YEAR 2011 -----	0	0	0	0
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

===== THERMAL UNIT SEASON 9 SEPTEMBER =====

YEAR	82	83	84	85	86	87	88
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

===== THERMAL UNIT SEASON 9 SEPTEMBER =====

YEAR	89	90	91	92	93	94	101
YEAR 2011							
SEASONAL HEAT RATE PROFILE							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							

YEAR	IMBG SWR 1	IMBG SWR 2	WATR CC 1	WATR2 1	DRESDEN 1	DRESSD2 1	NUCLEAR 1
YEAR 2011	0	0	0	0	0	0	0
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							

----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

SEASONAL HEAT RATE PROFILE	SEASON 9 SEPTEMBER	UPC_MCCS	PC_UI_SU	UPC_RCCS	IGC_MCCS	IGCC GR	IGC_RCCS	CC 2X1FB
YEAR 2011	0	102	103	104	105	106	107	108
YEAR 2012	0	1	1	1	1	1	1	1
YEAR 2013	0							
YEAR 2014	0							
YEAR 2015	0							
YEAR 2016	0							
YEAR 2017	0							
YEAR 2018	0							
YEAR 2019	0							
YEAR 2020	0							
YEAR 2021	0							
YEAR 2022	0							
YEAR 2023	0							
YEAR 2024	0							
YEAR 2025	0							
YEAR 2026	0							
YEAR 2027	0							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

4-Company East Optimization

SEASONAL HEAT RATE PROFILE	CSV5_SCR 5	CSV6_SCR 6	CR1_NGCC 1	CR2_NGCC 2	MRS_NGCC 5	MRS_FGD 5	RP1D_IM 1
YEAR 2011	0	0	0	0	0	0	0
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		SEASON 9 SEPTEMBER									
		126	127	129	130	131	132	133			
		CSV5_SCR	CSV6_SCR	CRI_NGCC	CR2_NGCC	MRS_NGCC	MRS_FGD	RP1D_IM			
YEAR 2040		5	6	1	2	5	5	1			

THERMAL UNIT		SEASON 9 SEPTEMBER									
		134	135	136	137	144	145	146			
		RP2D_IM	TAN4_FGD	RP1D_KP	RP2D_KP	TC4_ESP	A390% AP	A390%OP			
SEASONAL HEAT RATE PROFILE		2	4	1	2	4	3	3			
YEAR 2011		0	0	0	0	0	0	0			
YEAR 2012											
YEAR 2013											
YEAR 2014											
YEAR 2015											
YEAR 2016											
YEAR 2017											
YEAR 2018											
YEAR 2019											
YEAR 2020											
YEAR 2021											
YEAR 2022											
YEAR 2023											
YEAR 2024											
YEAR 2025											
YEAR 2026											
YEAR 2027											
YEAR 2028											
YEAR 2029											
YEAR 2030											
YEAR 2031											
YEAR 2032											
YEAR 2033											
YEAR 2034											
YEAR 2035											
YEAR 2036											
YEAR 2037											
YEAR 2038											
YEAR 2039											
YEAR 2040											

THERMAL UNIT		SEASON 9 SEPTEMBER									
		147	148	149	150	151	153	154			
		MTN_90%	RPT1_90%	RPT2_90%	GVL_90%	GV2_90%	MTN_18%	CC_FA_KP			
SEASONAL HEAT RATE PROFILE		1	1	2	1	2	1	1			
YEAR 2011		0	0	0	0	0	0	0			
YEAR 2012											
YEAR 2013											
YEAR 2014		45	0	0	0	0	45	0			
YEAR 2015											
YEAR 2016		0	0	0	0	0	0	0			
YEAR 2017											
YEAR 2018											
YEAR 2019											

----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

SEASONAL HEAT RATE PROFILE	155	156	157	158	159	160	161
YEAR 2011	155	156	157	158	159	160	161
YEAR 2012	0	0	0	0	0	0	0
YEAR 2013	0	0	0	0	0	0	0
YEAR 2014	0	0	0	0	0	0	0
YEAR 2015	0	0	0	0	0	0	0
YEAR 2016	0	0	0	0	0	0	0
YEAR 2017	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER - GAF.INPUT.THERMAL UNIT.

THEMAL UNIT	SEASON	9	SEPTEMBER	155	156	157	158	159	160	161
				CT_OHIO	CC_OH	CT_1&M	CC_1&M	CT_APCO	CC_APCO	CT_KPCO
YEAR 2018				1	1	1	1	1	1	1
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THEMAL UNIT	SEASON	9	SEPTEMBER	162	163	164	165	166	168	169
				CC_KPCO	BS2 FGD	BS2 FGD	BS2 FGD	BS2 FGD	IGCC AP	FC_UL_AP
YEAR 2011				1	1	5	22	23	1	1
YEAR 2012										
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

YEAR	SEASON	NUKE_AP	IGCC_IM	FC_UL_IM	NUKE_IM	IGCC_KP	FC_UL_KP	NUKE_KP
YEAR 2032	9 SEPTEMBER	0	0	0	0	0	0	0
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

SEASONAL HEAT RATE PROFILE	SEASON	170	171	172	173	174	175	176
YEAR 2011	9 SEPTEMBER	0	0	0	0	0	0	0
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

YEAR	NUKE_AP	IGCC_IM	PC_UL_IM	NUKE_IM	IGCC_KP	PC_UL_KP	NUKE_KP
YEAR 2030	170	171	172	173	174	175	176
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

YEAR	IGCC_OH	PC_UL_OH	NUKE_OH	RP1D_03	RP1D_04	RP1D_08	RP1D_20
YEAR 2011	177	178	179	181	182	183	184
SEASONAL HEAT RATE PROFILE	1	1	1	1	1	1	1
YEAR 2012	0	0	0	0	0	0	0
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

YEAR	RP1TR_IM	RP2TR_IM	RP1TR_KP	RP2TR_KP	T4_TROMA	T4_TRCCR	MR_STKRI
YEAR 2011	186	187	188	189	190	191	223
SEASON 9 SEPTEMBER	1	2	1	2	4	4	1

4-Company East Optimization

SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0
----- YEAR 2012 -----						
----- YEAR 2013 -----						
----- YEAR 2014 -----						
----- YEAR 2015 -----						
----- YEAR 2016 -----						
----- YEAR 2017 -----						
----- YEAR 2018 -----						
----- YEAR 2019 -----						
----- YEAR 2020 -----						
----- YEAR 2021 -----						
----- YEAR 2022 -----						
----- YEAR 2023 -----						
----- YEAR 2024 -----						
----- YEAR 2025 -----						
----- YEAR 2026 -----						
----- YEAR 2027 -----						
----- YEAR 2028 -----						
----- YEAR 2029 -----						
----- YEAR 2030 -----						
----- YEAR 2031 -----						
----- YEAR 2032 -----						
----- YEAR 2033 -----						
----- YEAR 2034 -----						
----- YEAR 2035 -----						
----- YEAR 2036 -----						
----- YEAR 2037 -----						
----- YEAR 2038 -----						
----- YEAR 2039 -----						
----- YEAR 2040 -----						

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		SEASON 9 SEPTEMBER										
SEASONAL HEAT RATE PROFILE	MR_STKR2	AMS3_SI	BS2_SI	MRS_CF	MRS_SI	RPT1_CF	RPT2_CF	DC1_HFT	DC1_IS	DC1_BFF	DC1_I7	DC1_3800
YEAR 2011	224	228	229	230	231	232	233					
YEAR 2012	1	3	2	5	5	1	2					
YEAR 2013												
YEAR 2014												
YEAR 2015												
YEAR 2016												
YEAR 2017												
YEAR 2018												
YEAR 2019												
YEAR 2020												
YEAR 2021												
YEAR 2022												
YEAR 2023												
YEAR 2024												
YEAR 2025												
YEAR 2026												
YEAR 2027												
YEAR 2028												
YEAR 2029												
YEAR 2030												
YEAR 2031												
YEAR 2032												
YEAR 2033												
YEAR 2034												
YEAR 2035												
YEAR 2036												
YEAR 2037												
YEAR 2038												
YEAR 2039												
YEAR 2040												

THERMAL UNIT	SEASON 9 SEPTEMBER													
SEASONAL HEAT RATE PROFILE	RPT1_SI	RPT2_SI	DC1_HFT	DC1_IS	DC1_BFF	DC1_I7	DC1_3800	234	235	251	252	253	254	255
YEAR 2011	234	235	251	252	253	254	255							
YEAR 2012	1	2	1	1	1	1	1							
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														
YEAR 2018														
YEAR 2019														
YEAR 2020														
YEAR 2021														
YEAR 2022														
YEAR 2023														
YEAR 2024														

----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

 THERMAL UNIT SEASON 9 SEPTEMBER -----

SEASONAL HEAT RATE PROFILE	DC2_HPT 2	DC2_BFP 2	DC2_SFU 2	DC2_3800 2	BIGSD_15 I	BIGSD_GP I	CIN_Q_HM I
YEAR 2011	0	0	0	0	0	0	0
YEAR 2012	0	0	0	0	0	0	0
YEAR 2013	0	0	0	0	0	0	0
YEAR 2014	0	0	0	0	0	0	0
YEAR 2015	0	0	0	0	0	0	0
YEAR 2016	0	0	0	0	0	0	0
YEAR 2017	0	0	0	0	0	0	0
YEAR 2018	0	0	0	0	0	0	0
YEAR 2019	0	0	0	0	0	0	0
YEAR 2020	0	0	0	0	0	0	0
YEAR 2021	0	0	0	0	0	0	0
YEAR 2022	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY. IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	9 SEPTEMBER	DC2_HPT	DC2_BFP	DC2_SPU	DC2_3800	BIGSD_15	BIGSD_GP	CLN_Q_HM
YEAR 2023			257	258	259	260	269	270	271
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT	SEASON	9 SEPTEMBER	CLN_Q_15	CLN_Q_HM	CLN_Q_15	CLN_Q_HM	CLN_Q_15	CVL_3_HM	CVL_3_10
YEAR 2011			272	273	274	275	276	277	278
SEASONAL HEAT RATE PROFILE			0	0	0	0	0	0	0
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									

YEAR	2037	2038	2039	2040	SEASON 9 SEPTEMBER						
HEAT RATE PROFILE	279	280	281	282	283	284	285				
	GIN_5_HM_5	GIN_5_15_5	GIN_6_HM_6	GIN_6_15_6	KMR_F_HM_1	KMR_F_GP_1	KMR_F_HM_2				
YEAR 2011	0	0	0	0	0	0	0				
YEAR 2012											
YEAR 2013											
YEAR 2014											
YEAR 2015											
YEAR 2016											
YEAR 2017											
YEAR 2018											
YEAR 2019											
YEAR 2020											
YEAR 2021											
YEAR 2022											
YEAR 2023											
YEAR 2024											
YEAR 2025											
YEAR 2026											
YEAR 2027											
YEAR 2028											
YEAR 2029											
YEAR 2030											
YEAR 2031											
YEAR 2032											
YEAR 2033											
YEAR 2034											

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON	9	SEPTEMBER	279	280	281	282	283	284	285
---	YEAR 2035	---	---	GLN_5_HM 5	GLN_5_15 5	GLN_6_HM 6	GLN_6_15 6	KMR_F_HM 1	KMR_F_GP 1	KMR_F_HM 2
---	YEAR 2036	---	---							
---	YEAR 2037	---	---							
---	YEAR 2038	---	---							
---	YEAR 2039	---	---							
---	YEAR 2040	---	---							

THERMAL UNIT	SEASON	9	SEPTEMBER	286	287	288	289	290	291	292
---	YEAR 2011	---	---	KMR_F_GP 2	KMR_F_HM 3	KMR_F_HM 3	KWA_1_HM 1	KWA_1_15 1	KWA_2_HM 2	KWA_2_15 2
---	YEAR 2012	---	---							
---	YEAR 2013	---	---							
---	YEAR 2014	---	---							
---	YEAR 2015	---	---							
---	YEAR 2016	---	---							
---	YEAR 2017	---	---							
---	YEAR 2018	---	---							
---	YEAR 2019	---	---							
---	YEAR 2020	---	---							
---	YEAR 2021	---	---							
---	YEAR 2022	---	---							
---	YEAR 2023	---	---							
---	YEAR 2024	---	---							
---	YEAR 2025	---	---							
---	YEAR 2026	---	---							
---	YEAR 2027	---	---							
---	YEAR 2028	---	---							
---	YEAR 2029	---	---							
---	YEAR 2030	---	---							
---	YEAR 2031	---	---							
---	YEAR 2032	---	---							
---	YEAR 2033	---	---							
---	YEAR 2034	---	---							
---	YEAR 2035	---	---							
---	YEAR 2036	---	---							
---	YEAR 2037	---	---							
---	YEAR 2038	---	---							
---	YEAR 2039	---	---							
---	YEAR 2040	---	---							

THERMAL UNIT	SEASON	9	SEPTEMBER	293	294	295	296	297	298	299
---	YEAR 2011	---	---	MSKR1_HM 1	MSKR1_12 1	MSKR2_HM 2	MSKR2_12 2	MSKR3_GP 3	MR3HM_12 3	MSKR4_GP 4
---	YEAR 2012	---	---							
---	YEAR 2013	---	---							
---	YEAR 2014	---	---							
---	YEAR 2015	---	---							

----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

```

=====
THERMAL UNIT          SEASON  9  SEPTEMBER  =====
M4HM_12              300
  4                    4
PICWY_HM              301
  5                    5
PICWY_GP              302
  5                    5
SP1_F_HM              303
  1                    1
SP1_F_1S              304
  1                    1
SP2_F_HM              305
  2                    2
SP2_F_1S              306
  2                    2
=====
SEASONAL HEAT RATE PROFILE
----- YEAR 2011 -----
YEAR 2012 -----
YEAR 2013 -----
    
```

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

SEASON	9	SEPTEMBER	300	301	302	303	304	305	306
THermal UNIT			M4M_12_4	PICWY_HM_5	PICWY_GP_5	SP1_F_HM_1	SP1_F_15_1	SP2_F_HM_2	SP2_F_15_2

----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

SEASON	9	SEPTEMBER	307	308	309	310	311	312	313
THermal UNIT			SP3_O_HM_3	SP3_O_15_3	SP4_O_HM_4	SP4_O_15_4	SP5_HM_5	SP5_15_5	TNR_F_HM_1

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----

YEAR	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2011	314	315	316	317	318	319	320						
YEAR 2012	TNR_F_15_1	TNR_F_HM_2	TNR_F_15_2	TNR_F_HM_3	TNR_F_15_3	PW_GP_15_5	RH11Ls_1						
YEAR 2013													
YEAR 2014													
YEAR 2015													
YEAR 2016													
YEAR 2017													
YEAR 2018													
YEAR 2019													
YEAR 2020													
YEAR 2021													
YEAR 2022													
YEAR 2023													
YEAR 2024													
YEAR 2025													

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THermal UNIT	SEASON 9 SEPTEMBER										
	314 TNR_F_15 1	315 TNR_F_HM 2	316 TNR_F_15 2	317 TNR_F_HM 3	318 TNR_F_15 3	319 PM_GP_15 5	320 RHills 1				
YEAR 2026											
YEAR 2027											
YEAR 2028											
YEAR 2029											
YEAR 2030											
YEAR 2031											
YEAR 2032											
YEAR 2033											
YEAR 2034											
YEAR 2035											
YEAR 2036											
YEAR 2037											
YEAR 2038											
YEAR 2039											
YEAR 2040											

THermal UNIT	SEASON 9 SEPTEMBER										
	500 DUMMY_OP 0	501 DUMMY_IM 0	502 DUMMY_AP 0	503 DUMMY_KP 0	958 CC_KPCD 958	959 RP2D_KP 959	960 RP2D_IM 960				
YEAR 2011	0	0	0	0	0	0	0				
YEAR 2012											
YEAR 2013											
YEAR 2014											
YEAR 2015											
YEAR 2016											
YEAR 2017											
YEAR 2018											
YEAR 2019											
YEAR 2020											
YEAR 2021											
YEAR 2022											
YEAR 2023											
YEAR 2024											
YEAR 2025											
YEAR 2026											
YEAR 2027											
YEAR 2028											
YEAR 2029											
YEAR 2030											
YEAR 2031											
YEAR 2032											
YEAR 2033											
YEAR 2034											
YEAR 2035											
YEAR 2036											
YEAR 2037											
YEAR 2038											
YEAR 2039											

4-Company East Optimization

YEAR 2040	SEASON 9	SEPTEMBER	961	962	963	964	965	966	967
HEAT RATE PROFILE	CSV6_SCR	CSV5_SCR	DUMMY_OP	DUMMY_OP	RPID_03	RPID_KP	BS2_FED		
YEAR 2011	961	962	963	964	965	966	967	0	
YEAR 2012	0	0	0	0	0	0	0		
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 9 SEPTEMBER									
	961	962	963	964	965	966	967			
	CSV6_SCR 961	CSV5_SCR 962	DUMMY_OP 963	DUMMY_OP 964	RPID_U3 965	RPID_KP 966	BS2_FGD 967			
YEAR 2038										
YEAR 2039										
YEAR 2040										

THERMAL UNIT	SEASON 9 SEPTEMBER									
	968	969	970	971	972	973	974			
	CR2_NGCC 968	CRL_NGCC 969	MRS_NGCC 970	DUMMY_OP 971	DUMMY_OP 972	DUMMY_OP 973	DUMMY_OP 974			
YEAR 2011										
YEAR 2012										
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										
YEAR 2031										
YEAR 2032										
YEAR 2033										
YEAR 2034										
YEAR 2035										
YEAR 2036										
YEAR 2037										
YEAR 2038										
YEAR 2039										
YEAR 2040										

THERMAL UNIT	SEASON 9 SEPTEMBER									
	975	976	977	978	979	980	981			
	DUMMY_OP 975	DUMMY_OP 976	DUMMY_OP 977	DUMMY_OP 978	DUMMY_OP 979	DUMMY_OP 980	DUMMY_OP 981			
YEAR 2011										
YEAR 2012										
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018
	0	0	0	0	0	0	0	0

YEAR 2019	0							
YEAR 2020	0							
YEAR 2021	0							
YEAR 2022	0							
YEAR 2023	0							
YEAR 2024	0							
YEAR 2025	0							
YEAR 2026	0							
YEAR 2027	0							
YEAR 2028	0							
YEAR 2029	0							
YEAR 2030	0							
YEAR 2031	0							
YEAR 2032	0							
YEAR 2033	0							
YEAR 2034	0							
YEAR 2035	0							
YEAR 2036	0							
YEAR 2037	0							
YEAR 2038	0							
YEAR 2039	0							
YEAR 2040	0							
=====								
SEASON 9 SEPTEMBER	982	983	984	985	986	987	988	
-----	-----	-----	-----	-----	-----	-----	-----	-----
SEASONAL HEAT RATE PROFILE	DUMMY OP	DUMMY OP	DUMMY OP	DUMMY OP	DUMMY OP	DUMMY OP	DUMMY OP	
YEAR 2011	982	983	984	985	986	987	988	
YEAR 2012	982	983	984	985	986	987	988	
YEAR 2013	0	0	0	0	0	0	0	
YEAR 2014	0	0	0	0	0	0	0	
YEAR 2015	0	0	0	0	0	0	0	
YEAR 2016	0	0	0	0	0	0	0	

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

SEASON	9	SEPTEMBER							
YEAR 2017			982	983	984	985	986	987	988
YEAR 2018			DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
YEAR 2019			982	983	984	985	986	987	988
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

SEASON 9 SEPTEMBER

THEMAL UNIT	SEASON	9	SEPTEMBER							
YEAR 2011			989	990	991	992	993	994	995	
SEASONAL HEAT RATE PROFILE			DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	
YEAR 2012			0	0	0	0	0	0	0	
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										
YEAR 2029										
YEAR 2030										

YEAR	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
YEAR 2011										
YEAR 2012										
YEAR 2013										
YEAR 2014										
YEAR 2015										
YEAR 2016										
YEAR 2017										
YEAR 2018										
YEAR 2019										
YEAR 2020										
YEAR 2021										
YEAR 2022										
YEAR 2023										
YEAR 2024										
YEAR 2025										
YEAR 2026										
YEAR 2027										
YEAR 2028										

SEASONAL HEAT RATE PROFILE	T4_TRONK 996	RP2TR_KP 997	RP2TR_IM 998	DUMMY_OP 999
YEAR 2011	0	0	0	0
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

 THERMAL UNIT SEASON 9 SEPTEMBER
 T4_TROWN 996 RP2TR_KP 997 RP2TR_IM 998 DUMMY_OP 999
 996 997 998 999

 YEAR 2029 -----
 YEAR 2030 -----
 YEAR 2031 -----
 YEAR 2032 -----
 YEAR 2033 -----
 YEAR 2034 -----
 YEAR 2035 -----
 YEAR 2036 -----
 YEAR 2037 -----
 YEAR 2038 -----
 YEAR 2039 -----
 YEAR 2040 -----

 THERMAL UNIT SEASON 10 OCTOBER
 AMOS 1 AMOS 2 AMOS_OP 3 BECKJORD 4 BIG SAND 5 BIG SAND 6 CARD 1+2 7
 1 2 3 6 1 2 1
 0 0 0 0 0 0 0

 SEASONAL HEAT RATE PROFILE
 YEAR 2011 0
 YEAR 2012 0
 YEAR 2013 0
 YEAR 2014 0
 YEAR 2015 0
 YEAR 2016 0
 YEAR 2017 0
 YEAR 2018 0
 YEAR 2019 0
 YEAR 2020 0
 YEAR 2021 0
 YEAR 2022 0
 YEAR 2023 0
 YEAR 2024 0
 YEAR 2025 0
 YEAR 2026 0
 YEAR 2027 0
 YEAR 2028 0
 YEAR 2029 0
 YEAR 2030 0
 YEAR 2031 0
 YEAR 2032 0
 YEAR 2033 0
 YEAR 2034 0
 YEAR 2035 0
 YEAR 2036 0
 YEAR 2037 0
 YEAR 2038 0
 YEAR 2039 0
 YEAR 2040 0

 THERMAL UNIT SEASON 10 OCTOBER
 CARD 1+2 8 CARD 3 9 CLIFTY 10 CLIFTY 11 CLIFTY 12 CLIFTY 13 CLIFTY 14
 2 3 1 2 3 4 5

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4-Company East Optimization

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
-----	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

SEASON 10 OCTOBER	22	23	24	25	26	27	28
CSVL 1-4	4	5	6	1	2	1	2
D C COOK							
D C COOK							
GAVIN							
GAVIN							

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0

----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020
0	0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 10	OCTOBER	29	30	33	34	35	36	37
	GLEN LYN	GLEN LYN	KAMMER	KAMMER	KAMMER	KANAWHA	KANAWHA		
YEAR 2022			5	6	1	2	3	1	2
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT	SEASON 10	OCTOBER	38	39	40	41	42	43	44
	KYGER	KYGER	KYGER	KYGER	KYGER	KYGER	MITCHELL	MITCHELL	
YEAR 2011			1	2	3	4	5	1	2
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									

SEASONAL HEAT RATE PROFILE

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----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

===== THERMAL UNIT ===== SEASON 10 OCTOBER =====
----- YEAR 2011 -----
SEASONAL HEAT RATE PROFILE          MOUNT_ER  45  46  47  48  49  50  51
----- YEAR 2012 -----
SEASONAL HEAT RATE PROFILE          MOUNT_ER  1  1  2  3  4  5  1
----- YEAR 2013 -----
----- YEAR 2014 -----
SEASONAL HEAT RATE PROFILE          MOUNT_ER  1  1  2  3  4  5  1
----- YEAR 2015 -----
SEASONAL HEAT RATE PROFILE          MOUNT_ER  1  1  2  3  4  5  1
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----

```

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 10	OCTOBER	45	46	47	48	49	50	51
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT	SEASON 10	OCTOBER	52	53	54	55	56	57	58
YEAR 2011									
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

SEASONAL HEAT RATE PROFILE	59	60	61	62	63	64	65	66
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

THERMAL UNIT	SEASON 10	OCTOBER	ROCKP_IM_2	STUART_1	STUART_2	STUART_3	STUART_4	AMOS_AP_3	TANN_1-3_1
YEAR 2011			59	61	62	63	64	65	66
YEAR 2012			0	0	0	0	0	0	0
YEAR 2013			0	0	0	0	0	0	0

----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 10 OCTOBER							
	67 TANN 1-3 2	68 TANN 1-3 3	69 TANN 4 4	70 ZIMMER 1	71 ROBTWONE 1	72 ROBTWONE 2	73 ROBTWONE 3	
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

THERMAL UNIT	SEASON 10 OCTOBER							
	75 CEREDO 1	76 CEREDO 2	77 CEREDO 3	78 CEREDO 4	79 CEREDO 5	80 CEREDO 6	81 DARRY 1	
YEAR 2011								
YEAR 2012	0	0	0	0	0	0	0	
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								

SEASONAL HEAT RATE PROFILE

YEAR 2011	
YEAR 2012	
YEAR 2013	
YEAR 2014	
YEAR 2015	
YEAR 2016	
YEAR 2017	
YEAR 2018	
YEAR 2019	
YEAR 2020	
YEAR 2021	
YEAR 2022	
YEAR 2023	
YEAR 2024	
YEAR 2025	

----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

===== THERMAL UNIT SEASON 10 OCTOBER =====

SEASONAL HEAT RATE PROFILE	DARBY 82	DARBY 83	DARBY 84	DARBY 85	DARBY 86	LMBG WIN 87	LMBG WIN 88
----- YEAR 2011 -----	2	3	4	5	6	1	2
----- YEAR 2012 -----	0	0	0	0	0	0	0
----- YEAR 2013 -----							
----- YEAR 2014 -----							
----- YEAR 2015 -----							
----- YEAR 2016 -----							
----- YEAR 2017 -----							
----- YEAR 2018 -----							
----- YEAR 2019 -----							
----- YEAR 2020 -----							
----- YEAR 2021 -----							
----- YEAR 2022 -----							
----- YEAR 2023 -----							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

===== THERMAL UNIT SEASON 10 OCTOBER =====

YEAR	82	83	84	85	86	87	88
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

===== THERMAL UNIT SEASON 10 OCTOBER =====

YEAR	89	90	91	92	93	94	101
YEAR 2011							
SEASONAL HEAT RATE PROFILE							
YEAR 2012	0	0	0	0	0	0	0
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							

YEAR 2038	YEAR 2039	YEAR 2040	SEASON 10	OCTOBER	102	103	104	105	106	107	108
THERMAL UNIT			=====								
SEASONAL HEAT RATE	PROFIT	UPC_NCCS	PC_UF_SU	UPC_RCCS	IGC_NCCS	IGCC_SB	IGC_RCCS	CC_2X1PB			
YEAR 2011	-----	0	0	0	0	0	0	0	0	0	0
YEAR 2012	-----										
YEAR 2013	-----										
YEAR 2014	-----										
YEAR 2015	-----										
YEAR 2016	-----										
YEAR 2017	-----										
YEAR 2018	-----										
YEAR 2019	-----										
YEAR 2020	-----										
YEAR 2021	-----										
YEAR 2022	-----										
YEAR 2023	-----										
YEAR 2024	-----										
YEAR 2025	-----										
YEAR 2026	-----										
YEAR 2027	-----										
YEAR 2028	-----										
YEAR 2029	-----										
YEAR 2030	-----										
YEAR 2031	-----										
YEAR 2032	-----										
YEAR 2033	-----										
YEAR 2034	-----										
YEAR 2035	-----										

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		SEASON 10 OCTOBER												
YEAR 2036	UPC_NCCS	102	PC_UL_SU	103	UPC_RCCS	104	IGC_NCCS	105	IGCC_GE	106	IGC_RCCS	107	CC_2X1FB	108
YEAR 2037														
YEAR 2038														
YEAR 2039														
YEAR 2040														

THERMAL UNIT		SEASON 10 OCTOBER												
YEAR 2011	CC_2X1FA	109	CC_1X17H	110	BS2_CC	111	CT_GE7FA	114	CT_GSTFA	115	BS2_FGD	124	BS1_FGD	125
SEASONAL HEAT RATE PROFILE		0		0		183		0		0		0		0
YEAR 2012														
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														
YEAR 2018														
YEAR 2019														
YEAR 2020														
YEAR 2021														
YEAR 2022														
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YEAR 2030														
YEAR 2031														
YEAR 2032														
YEAR 2033														
YEAR 2034														
YEAR 2035														
YEAR 2036														
YEAR 2037														
YEAR 2038														
YEAR 2039														
YEAR 2040														

THERMAL UNIT		SEASON 10 OCTOBER												
YEAR 2011	CSV5_SCR	126	CSV6_SCR	127	CRI_NGCC	129	CR2_NGCC	130	MRS_NGCC	131	MRS_FGD	132	RPLD_IM	133
SEASONAL HEAT RATE PROFILE		0		0		0		0		0		0		0
YEAR 2012														
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT SEASON 10 OCTOBER -----

RP2D_1M 134 TAN4_FGD 135 RP1D_KP 136 RP2D_KP 137 TC4_ESP 144 A390% AP 145 A390%OP 146
2 4 1 2 4 3 3

----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
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----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

THERMAL UNIT SEASON 10 OCTOBER -----

MTN_90% 147 RPT1_90% 148 RPT2_90% 149 GVL_90% 150 GV2_90% 151 MTN_18% 153 CC_FA_KP 154
1 1 2 1 2 1 1 1

----- YEAR 2011 SEASONAL HEAT RATE PROFILE -----
----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 SEASONAL HEAT RATE PROFILE -----
----- YEAR 2015 SEASONAL HEAT RATE PROFILE -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
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----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----

----- YEAR 2011 -----
----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
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----- YEAR 2026 -----
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 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

SEASONAL HEAT RATE PROFILE	THERMAL UNIT						
	SEASON 10 OCTOBER						
	CT_OHIO	CC_OH	CT_I&M	CC_I&M	CT_ARCO	CC_ARCO	CT_KPCO
YEAR 2011	155	156	157	158	159	160	161
YEAR 2012	0	0	0	0	0	0	0
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 10	OCTOBER	155	156	157	158	159	160	161
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT	SEASON 10	OCTOBER	162	163	164	165	166	168	169
CC_KPCO	1								
BS2 FGD	1								
BS2 FGD	5								
BS2 FGD	22								
BS2 FGD	23								
ICCC AP	1								
PC_UL_AP	1								

YEAR	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039
SEASONAL HEAT RATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROFIT																													

YEAR 2040	SEASON 10 OCTOBER						
SEASONAL HEAT RATE PROFITE	170	171	172	173	174	175	176
YEAR 2011	NUKE_AP	IGCC IM	PC_UL_IM	NUKE_IM	IGCC KP	PC_UL_KP	NUKE_KP
YEAR 2012	1	1	1	1	1	1	1
YEAR 2013	0	0	0	0	0	0	0
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		SEASON 10 OCTOBER												
YEAR 2038	NUKE_AP 1	170	IGCC IM 1	171	PC_UL_IM 1	172	NUKE_IM 1	173	IGCC KP 1	174	PC_UL_KP 1	175	NUKE_KP 1	176
YEAR 2039														
YEAR 2040														

THERMAL UNIT		SEASON 10 OCTOBER												
YEAR 2011	IGCC OH 1	177	PC_UL_OH 1	178	NUKE OH 1	179	RPID_03 1	181	RPID_04 1	182	RPID_08 1	183	RPID_20 1	184
SEASONAL HEAT RATE PROFILE		0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2012														
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														
YEAR 2018														
YEAR 2019														
YEAR 2020														
YEAR 2021														
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YEAR 2030														
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YEAR 2032														
YEAR 2033														
YEAR 2034														
YEAR 2035														
YEAR 2036														
YEAR 2037														
YEAR 2038														
YEAR 2039														
YEAR 2040														

THERMAL UNIT	SEASON 10 OCTOBER												
RP1TR_IM 1	186	RP2TR_IM 2	187	RP1TR_KP 1	188	RP2TR_KP 2	189	T4_TRONA 4	190	T4_TRCCR 4	191	MR_STK1 1	223
	0		0		0		0		0		0		0

SEASONAL HEAT RATE PROFILE		SEASON 10 OCTOBER												
YEAR 2011		0		0		0		0		0		0		0
YEAR 2012														
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														
YEAR 2018														

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----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

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SEASON 10 OCTOBER

YEAR	HEAT RATE	PROFILE	MR_STR2	AMS3_SI	BS2_SI	MRS_CF	MR5_SI	RPT1_CF	RPT2_CF
YEAR 2011			224	228	229	230	231	232	233
YEAR 2012			1	3	2	5	5	1	2
YEAR 2013			0	0	0	0	0	0	0
YEAR 2014									
YEAR 2015									
YEAR 2016									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		SEASON 10 OCTOBER									
		MR_STKR2	AMS3_SI	BS2_ST	MR5_CF	MR5_SI	RPT1_CF	RPT2_CF			
		1	3	2	5	5	1	2			
YEAR 2017											
YEAR 2018											
YEAR 2019											
YEAR 2020											
YEAR 2021											
YEAR 2022											
YEAR 2023											
YEAR 2024											
YEAR 2025											
YEAR 2026											
YEAR 2027											
YEAR 2028											
YEAR 2029											
YEAR 2030											
YEAR 2031											
YEAR 2032											
YEAR 2033											
YEAR 2034											
YEAR 2035											
YEAR 2036											
YEAR 2037											
YEAR 2038											
YEAR 2039											
YEAR 2040											

THERMAL UNIT		SEASON 10 OCTOBER									
		RP11_SI	RP12_SI	DC1_HPR	DC1_IS	DC1_BFP	DC1_I17	DC1_3800			
		1	2	1	1	1	1	1			
YEAR 2011		0	0	0	0	0	0	0			
YEAR 2012											
YEAR 2013											
YEAR 2014											
YEAR 2015											
YEAR 2016											
YEAR 2017											
YEAR 2018											
YEAR 2019											
YEAR 2020											
YEAR 2021											
YEAR 2022											
YEAR 2023											
YEAR 2024											
YEAR 2025											
YEAR 2026											
YEAR 2027											
YEAR 2028											
YEAR 2029											
YEAR 2030											

YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040	SEASON 10	OCTOBER	DC2_HPF_2	DC2_HPF_2	DC2_SPU_2	DC2_3800_2	BIGSD_15_1	BIGSD_GP_1	CUN_Q_HM_1
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NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		SEASON 10 OCTOBER													
YEAR	DC2_HPT	DC2_EFF	DC2_SFU	DC2_3800	BIGSD_15	BIGSD_GP	CLN_Q_HM	YEAR	DC2_HPT	DC2_EFF	DC2_SFU	DC2_3800	BIGSD_15	BIGSD_GP	CLN_Q_HM
YEAR 2029	257	258	259	260	269	270	271								
YEAR 2030															
YEAR 2031															
YEAR 2032															
YEAR 2033															
YEAR 2034															
YEAR 2035															
YEAR 2036															
YEAR 2037															
YEAR 2038															
YEAR 2039															
YEAR 2040															

THERMAL UNIT		SEASON 10 OCTOBER												
YEAR	CLN_Q_15	CLN_Q_HM	CLN_Q_15	CLN_Q_HM	CLN_Q_15	CLN_Q_HM	CVL_3_HM	YEAR	CLN_Q_15	CLN_Q_HM	CLN_Q_15	CLN_Q_HM	CVL_3_HM	CVL_3_10
YEAR 2011	272	273	274	275	276	277	278							
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0							
YEAR 2012														
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														
YEAR 2018														
YEAR 2019														
YEAR 2020														
YEAR 2021														
YEAR 2022														
YEAR 2023														
YEAR 2024														
YEAR 2025														
YEAR 2026														
YEAR 2027														
YEAR 2028														
YEAR 2029														
YEAR 2030														
YEAR 2031														
YEAR 2032														
YEAR 2033														
YEAR 2034														
YEAR 2035														
YEAR 2036														
YEAR 2037														
YEAR 2038														
YEAR 2039														
YEAR 2040														

THERMAL UNIT		SEASON 10 OCTOBER									
YEAR	GIN_5_HM	GIN_5_15	GIN_6_HM	GIN_6_15	KMR_F_HM	KMR_F_GP	KMR_F_HM				
279	280	281	282	283	284	285					
5	5	6	6	1	1	2					

4-Company East Optimization

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
-----	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT		SEASON 10 OCTOBER												
SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024
MSKR1_GP_1	286	0	0	0	0	0	0	0	0	0	0	0	0	0
MSKR1_HM_1	287	0	0	0	0	0	0	0	0	0	0	0	0	0
MSKR2_GP_2	288	0	0	0	0	0	0	0	0	0	0	0	0	0
MSKR2_HM_2	289	0	0	0	0	0	0	0	0	0	0	0	0	0
MSKR3_GP_3	290	0	0	0	0	0	0	0	0	0	0	0	0	0
MSKR3_HM_3	291	0	0	0	0	0	0	0	0	0	0	0	0	0
MSKR4_GP_4	292	0	0	0	0	0	0	0	0	0	0	0	0	0
MSKR4_HM_4	293	0	0	0	0	0	0	0	0	0	0	0	0	0
MSKR5_GP_5	294	0	0	0	0	0	0	0	0	0	0	0	0	0
MSKR5_HM_5	295	0	0	0	0	0	0	0	0	0	0	0	0	0
MSKR6_GP_6	296	0	0	0	0	0	0	0	0	0	0	0	0	0
MSKR6_HM_6	297	0	0	0	0	0	0	0	0	0	0	0	0	0
MSKR7_GP_7	298	0	0	0	0	0	0	0	0	0	0	0	0	0
MSKR7_HM_7	299	0	0	0	0	0	0	0	0	0	0	0	0	0

----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

-----	THEMAL UNIT	SEASON 10	OCTOBER	-----
-----	MAHM_12	300		-----
-----	4	4		-----
-----	PICWY_HM	301		-----
-----	5	5		-----
-----	PICWY_GP	302		-----
-----	5	5		-----
-----	SP1_F_HM	303		-----
-----	1	1		-----
-----	SP1_F_15	304		-----
-----	1	1		-----
-----	SP2_F_HM	305		-----
-----	2	2		-----
-----	SP2_F_15	306		-----
-----	2	2		-----
-----	YEAR 2011		0	-----
-----	YEAR 2012		0	-----
-----	YEAR 2013		0	-----
-----	YEAR 2014		0	-----
-----	YEAR 2015		0	-----
-----	YEAR 2016		0	-----
-----	YEAR 2017		0	-----
-----	YEAR 2018		0	-----
-----	YEAR 2019		0	-----
-----	YEAR 2020		0	-----
-----	YEAR 2021		0	-----
-----	YEAR 2022		0	-----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THEMAL UNIT	SEASON 10	OCTOBER												
YEAR 2023	M4HM_12	300	P1CWM_HM	301	P1CWM_GP	302	SP1_F_HM	303	SP1_F_1S	304	SP2_F_HM	305	SP2_F_1S	306
YEAR 2024														
YEAR 2025														
YEAR 2026														
YEAR 2027														
YEAR 2028														
YEAR 2029														
YEAR 2030														
YEAR 2031														
YEAR 2032														
YEAR 2033														
YEAR 2034														
YEAR 2035														
YEAR 2036														
YEAR 2037														
YEAR 2038														
YEAR 2039														
YEAR 2040														

THEMAL UNIT	SEASON 10	OCTOBER												
YEAR 2011	SP3_Q_HM	307	SP3_Q_1S	308	SP4_Q_HM	309	SP4_Q_1S	310	SP5_HM	311	SP5_1S	312	TNR_F_HM	313
YEAR 2012		0		0		0		0		0		0		0
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														
YEAR 2018														
YEAR 2019														
YEAR 2020														
YEAR 2021														
YEAR 2022														
YEAR 2023														
YEAR 2024														
YEAR 2025														
YEAR 2026														
YEAR 2027														
YEAR 2028														
YEAR 2029														
YEAR 2030														
YEAR 2031														
YEAR 2032														
YEAR 2033														
YEAR 2034														
YEAR 2035														
YEAR 2036														

YEAR	2037	2038	2039	2040	SEASON 10 OCTOBER					
SEASONAL HEAT RATE PROFILE	TNR_F_1S 1	TNR_F_HM 2	TNR_F_1S 2	TNR_F_HM 3	TNR_F_1S 3	TNR_F_HM 3	PW_GP_1S 5	RH11S 1		
YEAR 2011	0	0	0	0	0	0	0	0		
YEAR 2012	0	0	0	0	0	0	0	0		
YEAR 2013	0	0	0	0	0	0	0	0		
YEAR 2014	0	0	0	0	0	0	0	0		
YEAR 2015	0	0	0	0	0	0	0	0		
YEAR 2016	0	0	0	0	0	0	0	0		
YEAR 2017	0	0	0	0	0	0	0	0		
YEAR 2018	0	0	0	0	0	0	0	0		
YEAR 2019	0	0	0	0	0	0	0	0		
YEAR 2020	0	0	0	0	0	0	0	0		
YEAR 2021	0	0	0	0	0	0	0	0		
YEAR 2022	0	0	0	0	0	0	0	0		
YEAR 2023	0	0	0	0	0	0	0	0		
YEAR 2024	0	0	0	0	0	0	0	0		
YEAR 2025	0	0	0	0	0	0	0	0		
YEAR 2026	0	0	0	0	0	0	0	0		
YEAR 2027	0	0	0	0	0	0	0	0		
YEAR 2028	0	0	0	0	0	0	0	0		
YEAR 2029	0	0	0	0	0	0	0	0		
YEAR 2030	0	0	0	0	0	0	0	0		
YEAR 2031	0	0	0	0	0	0	0	0		
YEAR 2032	0	0	0	0	0	0	0	0		
YEAR 2033	0	0	0	0	0	0	0	0		
YEAR 2034	0	0	0	0	0	0	0	0		

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

SEASON 10	OCTOBER	314	315	316	317	318	319	320
THERMAL UNIT		TNR_F_1S	TNR_F_HM	TNR_F_1S	TNR_F_HM	TNR_F_1S	PW_GP_1S	RHILLS
YEAR 2035		1	2	2	3	3	5	1
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

SEASON 10	OCTOBER	500	501	502	503	958	959	960
THERMAL UNIT		DUMMY_OP	DUMMY_IM	DUMMY_AP	DUMMY_KP	CC_KPCO	RP2D_KP	RP2D_IM
YEAR 2011		0	0	0	0	958	959	960
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

SEASON 10	OCTOBER	961	962	963	964	965	966	967
THERMAL UNIT		CSV6_SCR	CSV5_SCR	DUMMY_OP	DUMMY_OP	RP1D_03	RP1D_KP	BS2_FGD
YEAR 2011		961	962	963	964	965	966	967
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								

----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

SEASONAL HEAT RATE PROFILE	968	969	970	971	972	973	974
YEAR 2011	0	0	0	0	0	0	0
YEAR 2012							
YEAR 2013							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

THERMAL UNIT SEASON 10 OCTOBER

CR2_NGCC	968	CR1_NGCC	969	MRS_NGCC	970	DUMMY_OP	971	DUMMY_OP	972	DUMMY_OP	973	DUMMY_OP	974
968		969		970		971		972		973		974	

----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

THERMAL UNIT SEASON 10 OCTOBER

DUMMY_OP	975	DUMMY_OP	976	DUMMY_OP	977	DUMMY_OP	978	DUMMY_OP	979	DUMMY_OP	980	DUMMY_OP	981
975		976		977		978		979		980		981	

----- SEASONAL HEAT RATE PROFILE
 ----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----

YEAR 2040	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

THERMAL UNIT SEASON 10 OCTOBER
 T4_TRONA 996 997 998 999
 996 RP2TR KP 997 RP2TR IM 998 DUMMY OP 999
 996 997 998 999

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		SEASON 10		OCTOBER	
		996	997	998	999
	F4_TROWA	RP2TR_KP	RP2TR_IM	DUMMY_OP	
		996	997	998	999
----	YEAR 2038	----	----	----	----
----	YEAR 2039	----	----	----	----
----	YEAR 2040	----	----	----	----

THERMAL UNIT		SEASON 11							NOVEMBER						
SEASONAL HEAT RATE PROFILE		AMOS	AMOS	AMOS_OP	BECKJORD	BIG SAND	BIG SAND	CARD 1+2	AMOS	AMOS	AMOS_OP	BECKJORD	BIG SAND	BIG SAND	CARD 1+2
		1	2	3	4	5	6	7	1	2	3	4	5	6	7
----	YEAR 2011	1	2	3	4	5	6	7	1	2	3	4	5	6	7
----	YEAR 2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0
----	YEAR 2013	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	YEAR 2014	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	YEAR 2015	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	YEAR 2016	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	YEAR 2017	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	YEAR 2018	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	YEAR 2019	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	YEAR 2020	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	YEAR 2021	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	YEAR 2022	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	YEAR 2023	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	YEAR 2024	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	YEAR 2025	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	YEAR 2026	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	YEAR 2027	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	YEAR 2028	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	YEAR 2029	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	YEAR 2030	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	YEAR 2031	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	YEAR 2032	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	YEAR 2033	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	YEAR 2034	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	YEAR 2035	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	YEAR 2036	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	YEAR 2037	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	YEAR 2038	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	YEAR 2039	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	YEAR 2040	----	----	----	----	----	----	----	----	----	----	----	----	----	----

THERMAL UNIT		SEASON 11							NOVEMBER						
SEASONAL HEAT RATE PROFILE		CARD 1+2	CARD 3	CLIFFY	CLIFFY	CLIFFY	CLIFFY	CARD 1+2	CARD 3	CLIFFY	CLIFFY	CLIFFY	CLIFFY	CARD 1+2	
		8	9	10	11	12	13	14	1	2	3	4	5		
----	YEAR 2011	8	9	10	11	12	13	14	1	2	3	4	5		
----	YEAR 2012	2	3	1	2	3	4	5	0	0	0	0	0		
----	YEAR 2013	----	----	----	----	----	----	----	----	----	----	----	----		
----	YEAR 2014	----	----	----	----	----	----	----	----	----	----	----	----		
----	YEAR 2015	----	----	----	----	----	----	----	----	----	----	----	----		
----	YEAR 2016	----	----	----	----	----	----	----	----	----	----	----	----		
----	YEAR 2017	----	----	----	----	----	----	----	----	----	----	----	----		
----	YEAR 2018	----	----	----	----	----	----	----	----	----	----	----	----		

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----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

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===== SEASON 11 NOVEMBER =====

SEASONAL HEAT RATE PROFILE	CLIFFY	CLINCH R	CLINCH R	CLINCH R	CLINCH R	ROCKP_KP	ROCKP_KP	CSVL 1-4
YEAR 2011	15	16	17	18	19	20	21	
YEAR 2011	6	1	2	3	1	2	3	
YEAR 2012	0	0	0	0	0	0	0	
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT SEASON 11 NOVEMBER

CLIFTY 15	CLINCH R 16	CLINCH R 17	CLINCH R 18	ROCKP_KP 19	ROCKP_KP 20	CSVL 1-4 21
6	1	2.	3	1	2	3

YEAR 2017

YEAR 2018

YEAR 2019

YEAR 2020

YEAR 2021

YEAR 2022

YEAR 2023

YEAR 2024

YEAR 2025

YEAR 2026

YEAR 2027

YEAR 2028

YEAR 2029

YEAR 2030

YEAR 2031

YEAR 2032

YEAR 2033

YEAR 2034

YEAR 2035

YEAR 2036

YEAR 2037

YEAR 2038

YEAR 2039

YEAR 2040

THERMAL UNIT SEASON 11 NOVEMBER

CSVL 1-4 22	CSVL 5+6 23	CSVL 5+6 24	D C COOK 25	D C COOK 25	GAVIN 27	GAVIN 28
4	5	6	1	2	1	2

YEAR 2011 SEASONAL HEAT RATE PROFILE 0 0 0 0 0 0 19

YEAR 2012 SEASONAL HEAT RATE PROFILE 0 0 0 0 0 0 0

YEAR 2013

YEAR 2014

YEAR 2015

YEAR 2016

YEAR 2017

YEAR 2018

YEAR 2019

YEAR 2020

YEAR 2021

YEAR 2022

YEAR 2023

YEAR 2024

YEAR 2025

YEAR 2026

YEAR 2027

YEAR 2028

YEAR 2029

YEAR 2030

----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

===== SEASON 11 NOVEMBER =====

----- GLEN LTN 29 -----
 ----- GLEN LTN 30 -----
 ----- KAMMER 33 -----
 ----- KAMMER 34 -----
 ----- KAMMER 35 -----
 ----- KANAWHA 36 -----
 ----- KANAWHA 37 -----

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		SEASON 11 NOVEMBER									
YEAR 2029		29	30	33	34	35	36	37			
YEAR 2030											
YEAR 2031											
YEAR 2032											
YEAR 2033											
YEAR 2034											
YEAR 2035											
YEAR 2036											
YEAR 2037											
YEAR 2038											
YEAR 2039											
YEAR 2040											

THERMAL UNIT		SEASON 11 NOVEMBER									
YEAR 2011		38	39	40	41	42	43	44			
SEASONAL HEAT RATE PROFILE											
YEAR 2012		0	0	0	0	0	0	0			
YEAR 2013											
YEAR 2014											
YEAR 2015											
YEAR 2016											
YEAR 2017											
YEAR 2018											
YEAR 2019											
YEAR 2020											
YEAR 2021											
YEAR 2022											
YEAR 2023											
YEAR 2024											
YEAR 2025											
YEAR 2026											
YEAR 2027											
YEAR 2028											
YEAR 2029											
YEAR 2030											
YEAR 2031											
YEAR 2032											
YEAR 2033											
YEAR 2034											
YEAR 2035											
YEAR 2036											
YEAR 2037											
YEAR 2038											
YEAR 2039											
YEAR 2040											

THERMAL UNIT SEASON 11 NOVEMBER
 MOUNT_ER 45 MUSK_RVR 46 MUSK_RVR 47 MUSK_RVR 48 MUSK_RVR 49 MUSK_RVR 50 P_SPOURN 51
 1 1 1 2 3 4 5 1

4-Company East Optimization

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039
SEASONAL HEAT RATE PROFILE	150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SEASONAL HEAT RATE PROFILE	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT SEASON 11 NOVEMBER

MOUNT_ER	45	MUSK_RVR	46	MUSK_RVR	47	MUSK_RVR	48	MUSK_RVR	49	MUSK_RVR	50	P_SPOBN	51
1		1		2		3		4		5			1

THERMAL UNIT SEASON 11 NOVEMBER

P_SPOBN	52	P_SPOBN	53	P_SPOBN	54	P_SPOBN	55	PICWAY	56	RPRRT_IM	57	RPRUN_IM	58
2		3		4		5		5		1		1	

SEASONAL HEAT RATE PROFILE

YEAR 2011	0	0	0	0	0	0	0	0	0	0	0
YEAR 2012											
YEAR 2013											
YEAR 2014											
YEAR 2015											
YEAR 2016											
YEAR 2017											
YEAR 2018											
YEAR 2019											
YEAR 2020											
YEAR 2021											
YEAR 2022											
YEAR 2023											
YEAR 2024											
YEAR 2025											
YEAR 2026											
YEAR 2027											
YEAR 2028											
YEAR 2029											
YEAR 2030											
YEAR 2031											
YEAR 2032											
YEAR 2033											
YEAR 2034											
YEAR 2035											
YEAR 2036											
YEAR 2037											
YEAR 2038											
YEAR 2039											
YEAR 2040											

THERMAL UNIT SEASON 11 NOVEMBER

ROCKP_IM	59	STUART	61	STUART	62	STUART	63	STUART	64	AMOS_AP	65	TANN 1-3	66
2		1		2		3		4		3		1	

SEASONAL HEAT RATE PROFILE

YEAR 2011	0	0	0	0	0	0	0	0	0	0	0
YEAR 2012											
YEAR 2013											
YEAR 2014											
YEAR 2015											
YEAR 2016											
YEAR 2017											
YEAR 2018											
YEAR 2019											
YEAR 2020											

YEAR 2011

YEAR 2012

YEAR 2013

YEAR 2014

YEAR 2015

YEAR 2016

YEAR 2017

YEAR 2018

YEAR 2019

YEAR 2020

----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

===== THERMAL UNIT SEASON 11 NOVEMBER =====

SEASONAL HEAT RATE PROFILE	TANN 1-3 67 2	TANN 1-3 68 3	TANN 4 69 4	ZIMMER 70 1	ROBTWONE 71 1	ROBTWONE 72 2	ROBTWONE 73 3
YEAR 2011	0	0	0	0	164	164	164
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

===== SEASON 11 NOVEMBER =====

THERMAL UNIT	67	68	69	70	71	72	73
	TANN 1-3	TANN 1-3	TANN 4	ZIMMER	ROBTWONE	ROBTWONE	ROBTWONE
	2	3	4	1	1	2	3
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

===== SEASON 11 NOVEMBER =====

THERMAL UNIT	75	76	77	78	79	80	81
	CEREDO	CEREDO	CEREDO	CEREDO	CEREDO	CEREDO	DARBY
	1	2	3	4	5	6	1
YEAR 2011							
YEAR 2012	0	0	0	0	0	0	0
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							

SEASONAL HEAT RATE PROFILE

YEAR	2033	2034	2035	2036	2037	2038	2039	2040
YEAR 2033	-----							
YEAR 2034	-----							
YEAR 2035	-----							
YEAR 2036	-----							
YEAR 2037	-----							
YEAR 2038	-----							
YEAR 2039	-----							
YEAR 2040	-----							

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030
SEASONAL HEAT RATE PROFILE	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2011	-----																			
YEAR 2012	-----																			
YEAR 2013	-----																			
YEAR 2014	-----																			
YEAR 2015	-----																			
YEAR 2016	-----																			
YEAR 2017	-----																			
YEAR 2018	-----																			
YEAR 2019	-----																			
YEAR 2020	-----																			
YEAR 2021	-----																			
YEAR 2022	-----																			
YEAR 2023	-----																			
YEAR 2024	-----																			
YEAR 2025	-----																			
YEAR 2026	-----																			
YEAR 2027	-----																			
YEAR 2028	-----																			
YEAR 2029	-----																			
YEAR 2030	-----																			

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

SEASON 11 NOVEMBER	82	83	84	85	86	87	88
DARBY	82	83	84	85	86	87	88
DARBY	2	3	4	5	6	1	2
	0	0	0	0	0	0	0

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT		SEASON 11 NOVEMBER							
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT		SEASON 11 NOVEMBER							
YEAR 2011									
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT		SEASON 11 NOVEMBER							
YEAR 2011									
SEASONAL HEAT RATE PROFILE									

----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
SEASONAL HEAT RATE PROFILE	0	0	0	183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

===== SEASON 11 NOVEMBER =====

PARAMETER	VALUE	PARAMETER	VALUE	PARAMETER	VALUE	PARAMETER	VALUE	PARAMETER	VALUE	PARAMETER	VALUE	PARAMETER	VALUE
CSV5_SCR	126	CSV6_SCR	127	CR1_NGCC	129	CR2_NGCC	130	MRS_NGCC	131	MRS_FGD	132	RP1D_TM	133
5	5	6	6	1	2	5	5	5	5	5	5	1	

----- THERMAL UNIT -----

----- SEASONAL HEAT RATE PROFILE -----

YEAR 2011 0

YEAR 2012 0

YEAR 2013 0

YEAR 2014 0

YEAR 2015 0

YEAR 2016 0

YEAR 2017 0

YEAR 2018 0

YEAR 2019 0

YEAR 2020 0

YEAR 2021 0

YEAR 2022 0

YEAR 2023 0

YEAR 2024 0

----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

SEASONAL HEAT RATE PROFILE	RP2D_IM	TAM4_FGD	RP1D_KP	RP2D_KP	TC4_ESP	A3908_AR	A3908OP
YEAR 2011	134	135	136	137	144	145	146
YEAR 2012	2	4	1	2	4	3	3
YEAR 2013	0	0	0	0	0	0	0
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT SEASON 11 NOVEMBER

REP2D_IM	134	TAN4_FGD	135	RP1D_KP	136	REP2D_KP	137	TC4_ESP	144	A390% AP	145	A390%OP	146
	2		4		1		2		4		3		3

YEAR 2023 -----

YEAR 2024 -----

YEAR 2025 -----

YEAR 2026 -----

YEAR 2027 -----

YEAR 2028 -----

YEAR 2029 -----

YEAR 2030 -----

YEAR 2031 -----

YEAR 2032 -----

YEAR 2033 -----

YEAR 2034 -----

YEAR 2035 -----

YEAR 2036 -----

YEAR 2037 -----

YEAR 2038 -----

YEAR 2039 -----

YEAR 2040 -----

THERMAL UNIT SEASON 11 NOVEMBER

MFN_90%	147	RP11_90%	148	RP12_90%	149	GVL_90%	150	GVZ_90%	151	MFN_18%	153	CC_FA_KP	154
	1		1		2		1		2		1		1

SEASONAL HEAT RATE PROFILE

YEAR 2011 -----

YEAR 2012 -----

YEAR 2013 -----

YEAR 2014 -----

YEAR 2015 -----

SEASONAL HEAT RATE PROFILE

YEAR 2016 -----

YEAR 2017 -----

YEAR 2018 -----

YEAR 2019 -----

YEAR 2020 -----

YEAR 2021 -----

YEAR 2022 -----

YEAR 2023 -----

YEAR 2024 -----

YEAR 2025 -----

YEAR 2026 -----

YEAR 2027 -----

YEAR 2028 -----

YEAR 2029 -----

YEAR 2030 -----

YEAR 2031 -----

YEAR 2032 -----

YEAR 2033 -----

YEAR 2034 -----

YEAR 2035 -----

YEAR	2036	2037	2038	2039	2040
-----	YEAR 2036	-----	YEAR 2037	-----	YEAR 2038
-----	YEAR 2037	-----	YEAR 2038	-----	YEAR 2039
-----	YEAR 2038	-----	YEAR 2039	-----	YEAR 2040
-----	YEAR 2039	-----	YEAR 2040	-----	
-----	YEAR 2040	-----		-----	
-----	YEAR 2011	-----	YEAR 2012	-----	YEAR 2013
-----	YEAR 2012	-----	YEAR 2013	-----	YEAR 2014
-----	YEAR 2013	-----	YEAR 2014	-----	YEAR 2015
-----	YEAR 2014	-----	YEAR 2015	-----	YEAR 2016
-----	YEAR 2015	-----	YEAR 2016	-----	YEAR 2017
-----	YEAR 2016	-----	YEAR 2017	-----	YEAR 2018
-----	YEAR 2017	-----	YEAR 2018	-----	YEAR 2019
-----	YEAR 2018	-----	YEAR 2019	-----	YEAR 2020
-----	YEAR 2019	-----	YEAR 2020	-----	YEAR 2021
-----	YEAR 2020	-----	YEAR 2021	-----	YEAR 2022
-----	YEAR 2021	-----	YEAR 2022	-----	YEAR 2023
-----	YEAR 2022	-----	YEAR 2023	-----	YEAR 2024
-----	YEAR 2023	-----	YEAR 2024	-----	YEAR 2025
-----	YEAR 2024	-----	YEAR 2025	-----	YEAR 2026
-----	YEAR 2025	-----	YEAR 2026	-----	YEAR 2027
-----	YEAR 2026	-----	YEAR 2027	-----	YEAR 2028
-----	YEAR 2027	-----	YEAR 2028	-----	YEAR 2029
-----	YEAR 2028	-----	YEAR 2029	-----	YEAR 2030
-----	YEAR 2029	-----	YEAR 2030	-----	YEAR 2031
-----	YEAR 2030	-----	YEAR 2031	-----	YEAR 2032
-----	YEAR 2031	-----	YEAR 2032	-----	YEAR 2033
-----	YEAR 2032	-----	YEAR 2033	-----	

SEASONAL HEAT RATE PROFILE	155	156	157	158	159	160	161
-----	CT_OHIO	CC_OH	CT_1&M	CC_1&M	CT_ARPCO	CC_ARPCO	CT_KPCO
-----	1	1	1	1	1	1	1
-----	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		SEASON 11 NOVEMBER												
YEAR 2034	CT_OHIO 1	155	CC_OH 1	156	CT_1&M 1	157	CC_1&M 1	158	CT_ARCO 1	159	CC_ARCO 1	160	CT_KPCO 1	161
YEAR 2035														
YEAR 2036														
YEAR 2037														
YEAR 2038														
YEAR 2039														
YEAR 2040														

THERMAL UNIT		SEASON 11 NOVEMBER												
YEAR 2011	CC_KPCO 1	162	BS2_FGD 1	163	BS2_FGD 5	164	BS2_FGD 22	165	BS2_FGD 23	166	IGCC_AP 1	168	PC_UL_AP 1	169
YEAR 2012		0		0		0		0		0		0		0
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														
YEAR 2018														
YEAR 2019														
YEAR 2020														
YEAR 2021														
YEAR 2022														
YEAR 2023														
YEAR 2024														
YEAR 2025														
YEAR 2026														
YEAR 2027														
YEAR 2028														
YEAR 2029														
YEAR 2030														
YEAR 2031														
YEAR 2032														
YEAR 2033														
YEAR 2034														
YEAR 2035														
YEAR 2036														
YEAR 2037														
YEAR 2038														
YEAR 2039														
YEAR 2040														

THERMAL UNIT		SEASON 11 NOVEMBER												
YEAR 2011	Nuke_AP 1	170	IGCC_IM 1	171	PC_UL_IM 1	172	NUKE_IM 1	173	IGCC_KP 1	174	PC_UL_KP 1	175	NUKE_KP 1	176
YEAR 2012		0		0		0		0		0		0		0
YEAR 2013														
YEAR 2014														

----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

===== SEASON 11 NOVEMBER =====
 THERMAL UNIT
 IGCC OH 1 177
 PC_UL_OH 1 178
 NUKE OH 1 179
 RPID_03 1 181
 RPID_04 1 182
 RPID_08 1 183
 RPID_20 1 184
 SEASONAL HEAT RATE PROFILE
 YEAR 2011 0
 YEAR 2012 0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

YEAR	177	178	179	181	182	183	184
YEAR 2013	177	178	179	181	182	183	184
YEAR 2014	177	178	179	181	182	183	184
YEAR 2015	177	178	179	181	182	183	184
YEAR 2016	177	178	179	181	182	183	184
YEAR 2017	177	178	179	181	182	183	184
YEAR 2018	177	178	179	181	182	183	184
YEAR 2019	177	178	179	181	182	183	184
YEAR 2020	177	178	179	181	182	183	184
YEAR 2021	177	178	179	181	182	183	184
YEAR 2022	177	178	179	181	182	183	184
YEAR 2023	177	178	179	181	182	183	184
YEAR 2024	177	178	179	181	182	183	184
YEAR 2025	177	178	179	181	182	183	184
YEAR 2026	177	178	179	181	182	183	184
YEAR 2027	177	178	179	181	182	183	184
YEAR 2028	177	178	179	181	182	183	184
YEAR 2029	177	178	179	181	182	183	184
YEAR 2030	177	178	179	181	182	183	184
YEAR 2031	177	178	179	181	182	183	184
YEAR 2032	177	178	179	181	182	183	184
YEAR 2033	177	178	179	181	182	183	184
YEAR 2034	177	178	179	181	182	183	184
YEAR 2035	177	178	179	181	182	183	184
YEAR 2036	177	178	179	181	182	183	184
YEAR 2037	177	178	179	181	182	183	184
YEAR 2038	177	178	179	181	182	183	184
YEAR 2039	177	178	179	181	182	183	184
YEAR 2040	177	178	179	181	182	183	184

SEASON 11 NOVEMBER

186	187	188	189	190	191	223
186	187	188	189	190	191	223
RP1TR_IM 1	RP2TR_IM 2	RP1TR_KP 1	RP2TR_KP 2	T4_TRONA 4	T4_TRCCR 4	MR_STKR1 1

SEASONAL HEAT RATE PROFILE

YEAR 2011	0	0	0	0	0	0
YEAR 2012	0	0	0	0	0	0
YEAR 2013	0	0	0	0	0	0
YEAR 2014	0	0	0	0	0	0
YEAR 2015	0	0	0	0	0	0
YEAR 2016	0	0	0	0	0	0
YEAR 2017	0	0	0	0	0	0
YEAR 2018	0	0	0	0	0	0
YEAR 2019	0	0	0	0	0	0
YEAR 2020	0	0	0	0	0	0
YEAR 2021	0	0	0	0	0	0
YEAR 2022	0	0	0	0	0	0
YEAR 2023	0	0	0	0	0	0
YEAR 2024	0	0	0	0	0	0
YEAR 2025	0	0	0	0	0	0
YEAR 2026	0	0	0	0	0	0

----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

===== SEASON 11 NOVEMBER =====

SEASONAL HEAT RATE PROFILE	MR_STR2	AMS3_SI	BS2_SI	MR5_CF	MR5_SI	RPn1_CF	RPn2_CF
----- YEAR 2011 -----	224	228	229	230	231	232	233
----- YEAR 2012 -----	0	0	0	0	0	0	0
----- YEAR 2013 -----							
----- YEAR 2014 -----							
----- YEAR 2015 -----							
----- YEAR 2016 -----							
----- YEAR 2017 -----							
----- YEAR 2018 -----							
----- YEAR 2019 -----							
----- YEAR 2020 -----							
----- YEAR 2021 -----							
----- YEAR 2022 -----							
----- YEAR 2023 -----							
----- YEAR 2024 -----							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

===== THERMAL UNIT SEASON 11 NOVEMBER =====

YEAR	MR_STKR2	AMS3_SI	BS2_SI	MR5_CF	MR5_SI	RPT1_CF	RPT2_CF
YEAR 2025	1	3	2	5	5	1	2
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

===== THERMAL UNIT SEASON 11 NOVEMBER =====

YEAR	RPT1_SI	RPT2_SI	DC1_HFP	DC1_IS	DC1_EFP	DC1_17	DC1_3800
YEAR 2011	1	2	1	1	1	1	1
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		SEASON 11 NOVEMBER											
DC2_HPT	257	DC2_EFP	258	DC2_SPU	259	DC2_3800	260	BIGSD_15	269	BIGSD_GP	270	CLN_Q_HM	271
	2		2		2		2		1		1		1
YEAR 2037		YEAR 2038		YEAR 2039		YEAR 2040							

THERMAL UNIT		SEASON 11 NOVEMBER											
CLN_Q_15	272	CLN_Q_HM	273	CLN_Q_15	274	CLN_Q_HM	275	CLN_Q_15	276	CVL_3_HM	277	CVL_3_10	278
	1		2		2		3		3		3		3
YEAR 2011		YEAR 2012		YEAR 2013		YEAR 2014		YEAR 2015		YEAR 2016		YEAR 2017	
YEAR 2018		YEAR 2019		YEAR 2020		YEAR 2021		YEAR 2022		YEAR 2023		YEAR 2024	
YEAR 2025		YEAR 2026		YEAR 2027		YEAR 2028		YEAR 2029		YEAR 2030		YEAR 2031	
YEAR 2032		YEAR 2033		YEAR 2034		YEAR 2035		YEAR 2036		YEAR 2037		YEAR 2038	
YEAR 2039		YEAR 2040											

THERMAL UNIT		SEASON 11 NOVEMBER											
GIN_5_HM	279	GIN_5_15	280	GIN_6_HM	281	GIN_6_15	282	KMR_F_HM	283	KMR_F_GP	284	KMR_F_HM	285
	5		5		6		6		1		1		2
YEAR 2011		YEAR 2012		YEAR 2013		YEAR 2014		YEAR 2015		YEAR 2016		YEAR 2017	
SEASONAL HEAT RATE PROFILE	0		0		0		0		0		0		0

----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

SEASONAL HEAT RATE PROFILE	SEASON 11 NOVEMBER	286	287	288	289	290	291	292
YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014
0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT		SEASON 11 NOVEMBER							
YEAR	HEAT RATE	KMR_F_GP	KMR_F_HM	KMR_F_GP	KWA_1_HM	KWA_1_15	KWA_2_HM	KWA_2_15	
YEAR 2016		286	287	288	289	290	291	292	
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT		SEASON 11 NOVEMBER							
YEAR	HEAT RATE	MSKRI_HM	MSKRI_12	MSKR2_HM	MSKR2_12	MSKR3_GP	MR3HM_12	MSKR4_GP	
YEAR 2011		293	294	295	296	297	298	299	
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									

----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

===== THERMAL UNIT SEASON 11 NOVEMBER =====

YEAR	M4HR_I2	PICWY_HM	PICWY_GP	SP1_F_HM	SP1_F_I5	SP2_F_HM	SP2_F_I5
YEAR 2011	300	301	302	303	304	305	306
SEASONAL HEAT RATE PROFILE	4	5	5	1	1	2	2
YEAR 2012	0	0	0	0	0	0	0
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

YEAR	SEASON 11 NOVEMBER	300	301	302	303	304	305	306
YEAR 2028	M4HM_12	4	PICWY_HM_5	PICWY_GP_5	SP1_F_HM_1	SP1_F_15_1	SP2_F_HM_2	SP2_F_15_2
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

YEAR	SEASON 11 NOVEMBER	307	308	309	310	311	312	313
YEAR 2011	SP3_Q_HM	3	SP3_Q_15_3	SP4_Q_HM_4	SP4_Q_15_4	SP5_HM_5	SP5_15_5	TNR_F_HM_1
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

YEAR	SEASON 11 NOVEMBER	314	315	316	317	318	319	320
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

YEAR	SEASON 11 NOVEMBER	1555
YEAR 2011		
YEAR 2012		
YEAR 2013		
YEAR 2014		
YEAR 2015		
YEAR 2016		
YEAR 2017		
YEAR 2018		
YEAR 2019		
YEAR 2020		
YEAR 2021		
YEAR 2022		
YEAR 2023		
YEAR 2024		
YEAR 2025		
YEAR 2026		
YEAR 2027		
YEAR 2028		
YEAR 2029		
YEAR 2030		
YEAR 2031		
YEAR 2032		
YEAR 2033		
YEAR 2034		
YEAR 2035		
YEAR 2036		
YEAR 2037		
YEAR 2038		
YEAR 2039		
YEAR 2040		

4-Company East Optimization

SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039
TNR_F_15_1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TNR_F_HM_2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TNR_F_15_2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TNR_F_HM_3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TNR_F_15_3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PW_GP_15_5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RH11s_1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		SEASON 11 NOVEMBER									
		314	315	316	317	318	319	320			
	TNR_F_15	1	2	2	3	3	5	1			
----- YEAR 2040 -----											

THERMAL UNIT		SEASON 11 NOVEMBER									
		500	501	502	503	958	959	960			
	DUMMY_OP	0	0	0	0	958	959	960			
	DUMMY_IM										
	DUMMY_AP										
	DUMMY_KP										
	CC_KRCC										
	RP2D_KP										
	RP2D_IM										
----- YEAR 2011 -----											

SEASONAL HEAT RATE PROFILE		SEASON 11 NOVEMBER									
YEAR 2011		0	0	0	0	0	0	0	0	0	0
YEAR 2012											
YEAR 2013											
YEAR 2014											
YEAR 2015											
YEAR 2016											
YEAR 2017											
YEAR 2018											
YEAR 2019											
YEAR 2020											
YEAR 2021											
YEAR 2022											
YEAR 2023											
YEAR 2024											
YEAR 2025											
YEAR 2026											
YEAR 2027											
YEAR 2028											
YEAR 2029											
YEAR 2030											
YEAR 2031											
YEAR 2032											
YEAR 2033											
YEAR 2034											
YEAR 2035											
YEAR 2036											
YEAR 2037											
YEAR 2038											
YEAR 2039											
YEAR 2040											

THERMAL UNIT		SEASON 11 NOVEMBER									
		961	962	963	964	965	966	967			
	CSV6_SCR	961	962	963	964	965	966	967			
	CSV5_SCR										
	RPID_03										
	RPID_KP										
	BS2_FGD										
----- YEAR 2011 -----											

SEASONAL HEAT RATE PROFILE		SEASON 11 NOVEMBER									
YEAR 2011		0	0	0	0	0	0	0	0	0	0
YEAR 2012											
YEAR 2013											
YEAR 2014											
YEAR 2015											
YEAR 2016											
YEAR 2017											
YEAR 2018											
YEAR 2019											
YEAR 2020											

----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

===== SEASON 11 NOVEMBER =====

THERMAL UNIT

968	969	970	971	972	973	974
CR2_NGCC	CR1_NGCC	MRS_NGCC	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
968	969	970	971	972	973	974

----- YEAR 2011 -----
 SEASONAL HEAT RATE PROFILE
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----

0 0 0 0 0 0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

REP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = CAP.INPUT.THERMAL UNIT.

===== SEASON 11 NOVEMBER =====

YEAR	CR2_NGCC	CRI_NGCC	MRS_NGCC	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
YEAR 2019	968	969	970	971	972	973	974	
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

===== SEASON 11 NOVEMBER =====

YEAR	975	976	977	978	979	980	981
YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							

SEASONAL HEAT RATE PROFILE

0 0 0 0 0 0 0 0

=====

THERMAL UNIT	975	976	977	978	979	980	981
DUMMY_OP	975	976	977	978	979	980	981
DUMMY_OP	975	976	977	978	979	980	981

=====

YEAR	HEAT RATE PROFILE	SEASON 11 NOVEMBER	982	983	984	985	986	987	988
YEAR 2033	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2034	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2035	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2036	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2037	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2038	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2039	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2040	-----	-----	-----	-----	-----	-----	-----	-----	-----
THERMAL UNIT ----- SEASON 11 NOVEMBER -----									
SEASONAL HEAT RATE PROFILE			982	983	984	985	986	987	988
YEAR 2011	-----	-----	0	0	0	0	0	0	0
YEAR 2012	-----	-----	0	0	0	0	0	0	0
YEAR 2013	-----	-----	0	0	0	0	0	0	0
YEAR 2014	-----	-----	0	0	0	0	0	0	0
YEAR 2015	-----	-----	0	0	0	0	0	0	0
YEAR 2016	-----	-----	0	0	0	0	0	0	0
YEAR 2017	-----	-----	0	0	0	0	0	0	0
YEAR 2018	-----	-----	0	0	0	0	0	0	0
YEAR 2019	-----	-----	0	0	0	0	0	0	0
YEAR 2020	-----	-----	0	0	0	0	0	0	0
YEAR 2021	-----	-----	0	0	0	0	0	0	0
YEAR 2022	-----	-----	0	0	0	0	0	0	0
YEAR 2023	-----	-----	0	0	0	0	0	0	0
YEAR 2024	-----	-----	0	0	0	0	0	0	0
YEAR 2025	-----	-----	0	0	0	0	0	0	0
YEAR 2026	-----	-----	0	0	0	0	0	0	0
YEAR 2027	-----	-----	0	0	0	0	0	0	0
YEAR 2028	-----	-----	0	0	0	0	0	0	0
YEAR 2029	-----	-----	0	0	0	0	0	0	0
YEAR 2030	-----	-----	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT		SEASON 11 NOVEMBER									
		982	983	984	985	986	987	988			
		DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP			
YEAR 2031		982	983	984	985	986	987	988			
YEAR 2032		982	983	984	985	986	987	988			
YEAR 2033		982	983	984	985	986	987	988			
YEAR 2034		982	983	984	985	986	987	988			
YEAR 2035		982	983	984	985	986	987	988			
YEAR 2036		982	983	984	985	986	987	988			
YEAR 2037		982	983	984	985	986	987	988			
YEAR 2038		982	983	984	985	986	987	988			
YEAR 2039		982	983	984	985	986	987	988			
YEAR 2040		982	983	984	985	986	987	988			

THERMAL UNIT		SEASON 11 NOVEMBER									
		989	990	991	992	993	994	995			
		DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP			
YEAR 2011		989	990	991	992	993	994	995			
YEAR 2012		989	990	991	992	993	994	995			
YEAR 2013		989	990	991	992	993	994	995			
YEAR 2014		989	990	991	992	993	994	995			
YEAR 2015		989	990	991	992	993	994	995			
YEAR 2016		989	990	991	992	993	994	995			
YEAR 2017		989	990	991	992	993	994	995			
YEAR 2018		989	990	991	992	993	994	995			
YEAR 2019		989	990	991	992	993	994	995			
YEAR 2020		989	990	991	992	993	994	995			
YEAR 2021		989	990	991	992	993	994	995			
YEAR 2022		989	990	991	992	993	994	995			
YEAR 2023		989	990	991	992	993	994	995			
YEAR 2024		989	990	991	992	993	994	995			
YEAR 2025		989	990	991	992	993	994	995			
YEAR 2026		989	990	991	992	993	994	995			
YEAR 2027		989	990	991	992	993	994	995			
YEAR 2028		989	990	991	992	993	994	995			
YEAR 2029		989	990	991	992	993	994	995			
YEAR 2030		989	990	991	992	993	994	995			
YEAR 2031		989	990	991	992	993	994	995			
YEAR 2032		989	990	991	992	993	994	995			
YEAR 2033		989	990	991	992	993	994	995			
YEAR 2034		989	990	991	992	993	994	995			
YEAR 2035		989	990	991	992	993	994	995			
YEAR 2036		989	990	991	992	993	994	995			
YEAR 2037		989	990	991	992	993	994	995			
YEAR 2038		989	990	991	992	993	994	995			
YEAR 2039		989	990	991	992	993	994	995			
YEAR 2040		989	990	991	992	993	994	995			

THERMAL UNIT		SEASON 11 NOVEMBER				
		996	997	998	999	
		T4_TROVA	RP2TR_KP	RP2TR_IM	DUMMY_OP	
YEAR 2011		996	997	998	999	
YEAR 2012		996	997	998	999	
YEAR 2013		996	997	998	999	
YEAR 2014		996	997	998	999	
YEAR 2015		996	997	998	999	
YEAR 2016		996	997	998	999	
YEAR 2017		996	997	998	999	
YEAR 2018		996	997	998	999	
YEAR 2019		996	997	998	999	
YEAR 2020		996	997	998	999	
YEAR 2021		996	997	998	999	
YEAR 2022		996	997	998	999	
YEAR 2023		996	997	998	999	
YEAR 2024		996	997	998	999	
YEAR 2025		996	997	998	999	
YEAR 2026		996	997	998	999	
YEAR 2027		996	997	998	999	
YEAR 2028		996	997	998	999	
YEAR 2029		996	997	998	999	
YEAR 2030		996	997	998	999	
YEAR 2031		996	997	998	999	
YEAR 2032		996	997	998	999	
YEAR 2033		996	997	998	999	
YEAR 2034		996	997	998	999	
YEAR 2035		996	997	998	999	
YEAR 2036		996	997	998	999	
YEAR 2037		996	997	998	999	
YEAR 2038		996	997	998	999	
YEAR 2039		996	997	998	999	
YEAR 2040		996	997	998	999	

----- YEAR 2012 -----
----- YEAR 2013 -----
----- YEAR 2014 -----
----- YEAR 2015 -----
----- YEAR 2016 -----
----- YEAR 2017 -----
----- YEAR 2018 -----
----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 12 DECEMBER													
	AMOS 1	AMOS 2	AMOS_OP 3	BECKJORD 4	BIG SAND 5	BIG SAND 6	CARD 1+2 7	AMOS 1	AMOS 2	AMOS_OP 3	BECKJORD 4	BIG SAND 5	BIG SAND 6	CARD 1+2 7
YEAR 2011														
YEAR 2012														
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														
YEAR 2018														
YEAR 2019														
YEAR 2020														
YEAR 2021														
YEAR 2022														
YEAR 2023														
YEAR 2024														
YEAR 2025														
YEAR 2026														
YEAR 2027														
YEAR 2028														
YEAR 2029														
YEAR 2030														
YEAR 2031														
YEAR 2032														
YEAR 2033														
YEAR 2034														
YEAR 2035														
YEAR 2036														
YEAR 2037														
YEAR 2038														
YEAR 2039														
YEAR 2040														

THERMAL UNIT	SEASON 12 DECEMBER													
SEASONAL HEAT RATE PROFILE	CARD 1+2 8	CARD 3 9	CLIFFY 1 10	CLIFFY 2 11	CLIFFY 3 12	CLIFFY 4 13	CLIFFY 5 14	CARD 1+2 8	CARD 3 9	CLIFFY 1 10	CLIFFY 2 11	CLIFFY 3 12	CLIFFY 4 13	CLIFFY 5 14
YEAR 2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2012														
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														
YEAR 2018														
YEAR 2019														
YEAR 2020														
YEAR 2021														
YEAR 2022														
YEAR 2023														
YEAR 2024														

----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

----- SEASON 12 DECEMBER -----

----- THERMAL UNIT -----	----- CLIFTY -----	----- CLINCH R -----	----- CLINCH R -----	----- CLINCH R -----	----- CLINCH R -----	----- ROCKP_KP -----	----- ROCKP_KP -----	----- CSVL 1-4 -----
-----	----- 6 -----	----- 1 -----	----- 2 -----	----- 3 -----	----- 1 -----	----- 2 -----	----- 3 -----	-----
----- YEAR 2011 -----	15	16	17	18	19	20	21	
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	
----- YEAR 2012 -----								
----- YEAR 2013 -----								
----- YEAR 2014 -----								
----- YEAR 2015 -----								
----- YEAR 2016 -----								
----- YEAR 2017 -----								
----- YEAR 2018 -----								
----- YEAR 2019 -----								
----- YEAR 2020 -----								
----- YEAR 2021 -----								
----- YEAR 2022 -----								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		SEASON 12 DECEMBER									
		15	16	17	18	19	20	21			
		CLIFTY	CLINCH R	CLINCH R	CLINCH R	ROCKP KP	ROCKP KP	CSVL 1-4			
		6	1	2	3	1	2	3			
YEAR 2023											
YEAR 2024											
YEAR 2025											
YEAR 2026											
YEAR 2027											
YEAR 2028											
YEAR 2029											
YEAR 2030											
YEAR 2031											
YEAR 2032											
YEAR 2033											
YEAR 2034											
YEAR 2035											
YEAR 2036											
YEAR 2037											
YEAR 2038											
YEAR 2039											
YEAR 2040											

THERMAL UNIT		SEASON 12 DECEMBER									
		22	23	24	25	26	27	28			
		CSVL 1-4	CSVL 5+6	CSVL 5+6	D C COOK	D C COOK	GAVIN	GAVIN			
		4	5	6	1	2	1	2			
YEAR 2011	SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0			19
YEAR 2012	SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0			19
YEAR 2013											
YEAR 2014											
YEAR 2015											
YEAR 2016											
YEAR 2017											
YEAR 2018											
YEAR 2019											
YEAR 2020											
YEAR 2021											
YEAR 2022											
YEAR 2023											
YEAR 2024											
YEAR 2025											
YEAR 2026											
YEAR 2027											
YEAR 2028											
YEAR 2029											
YEAR 2030											
YEAR 2031											
YEAR 2032											
YEAR 2033											
YEAR 2034											
YEAR 2035											
YEAR 2036											

YEAR	SEASON 12 DECEMBER	29	30	33	34	35	36	37
UNIT	LINE	LINE	LINE	KAMMER	KAMMER	KAMMER	KANAWHA	KANAWHA
		5	6	1	2	3	1	2
YEAR 2037	SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0
YEAR 2038								
YEAR 2039								
YEAR 2040								
YEAR 2011								
YEAR 2012								
YEAR 2013								
YEAR 2014								
YEAR 2015								
YEAR 2016								
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		SEASON 12 DECEMBER									
		29	30	33	34	35	36	37			
	GLEN LYN	5	6	1	2	3	1	2			
---	YEAR 2035	---	---	---	---	---	---	---	---	---	---
---	YEAR 2036	---	---	---	---	---	---	---	---	---	---
---	YEAR 2037	---	---	---	---	---	---	---	---	---	---
---	YEAR 2038	---	---	---	---	---	---	---	---	---	---
---	YEAR 2039	---	---	---	---	---	---	---	---	---	---
---	YEAR 2040	---	---	---	---	---	---	---	---	---	---

THERMAL UNIT		SEASON 12 DECEMBER									
		38	39	40	41	42	43	44			
	KYGER	1	2	3	4	5	1	2			
---	YEAR 2011	---	---	---	---	---	---	---	---	---	---
---	YEAR 2012	---	---	---	---	---	---	---	---	---	---
---	YEAR 2013	---	---	---	---	---	---	---	---	---	---
---	YEAR 2014	---	---	---	---	---	---	---	---	---	---
---	YEAR 2015	---	---	---	---	---	---	---	---	---	---
---	YEAR 2016	---	---	---	---	---	---	---	---	---	---
---	YEAR 2017	---	---	---	---	---	---	---	---	---	---
---	YEAR 2018	---	---	---	---	---	---	---	---	---	---
---	YEAR 2019	---	---	---	---	---	---	---	---	---	---
---	YEAR 2020	---	---	---	---	---	---	---	---	---	---
---	YEAR 2021	---	---	---	---	---	---	---	---	---	---
---	YEAR 2022	---	---	---	---	---	---	---	---	---	---
---	YEAR 2023	---	---	---	---	---	---	---	---	---	---
---	YEAR 2024	---	---	---	---	---	---	---	---	---	---
---	YEAR 2025	---	---	---	---	---	---	---	---	---	---
---	YEAR 2026	---	---	---	---	---	---	---	---	---	---
---	YEAR 2027	---	---	---	---	---	---	---	---	---	---
---	YEAR 2028	---	---	---	---	---	---	---	---	---	---
---	YEAR 2029	---	---	---	---	---	---	---	---	---	---
---	YEAR 2030	---	---	---	---	---	---	---	---	---	---
---	YEAR 2031	---	---	---	---	---	---	---	---	---	---
---	YEAR 2032	---	---	---	---	---	---	---	---	---	---
---	YEAR 2033	---	---	---	---	---	---	---	---	---	---
---	YEAR 2034	---	---	---	---	---	---	---	---	---	---
---	YEAR 2035	---	---	---	---	---	---	---	---	---	---
---	YEAR 2036	---	---	---	---	---	---	---	---	---	---
---	YEAR 2037	---	---	---	---	---	---	---	---	---	---
---	YEAR 2038	---	---	---	---	---	---	---	---	---	---
---	YEAR 2039	---	---	---	---	---	---	---	---	---	---
---	YEAR 2040	---	---	---	---	---	---	---	---	---	---

THERMAL UNIT		SEASON 12 DECEMBER									
		45	46	47	48	49	50	51			
	MOUNT_ER	1	1	2	3	4	5	P SPORN			
---	YEAR 2011	---	---	---	---	---	---	---	---	---	---
---	SEASONAL HEAT RATE PROFILE	---	---	---	---	---	---	---	---	---	---
---	YEAR 2012	---	---	---	---	---	---	---	---	---	---
---	SEASONAL HEAT RATE PROFILE	---	---	---	---	---	---	---	---	---	---
---	YEAR 2013	---	---	---	---	---	---	---	---	---	---
---	YEAR 2014	---	---	---	---	---	---	---	---	---	---
---	SEASONAL HEAT RATE PROFILE	---	---	---	---	---	---	---	---	---	---

4-Company East Optimization

YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SEASONAL HEAT RATE PROFILE	SEASON 12 DECEMBER	52	53	54	55	56	57	58
YEAR 2011	P SPORN	2	3	4	5	5	1	1
SEASONAL HEAT RATE PROFILE		0	0	0	0	0	0	0
YEAR 2012								

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

===== THERMAL UNIT SEASON 12 DECEMBER =====

	P SPORN	52	P SPORN	53	P SPORN	54	P SPORN	55	PICWAY	56	RPRPT_IM	57	RPRUN_IM	58
	2		3		4		5		5		1		1	

----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

===== THERMAL UNIT SEASON 12 DECEMBER =====

	ROCKP_IM	59	STUART	61	STUART	62	STUART	63	STUART	64	AMOS_AP	65	TANN 1-3	66
	2		1		2		3		4		3		1	

----- SEASONAL HEAT RATE PROFILE -----

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

===== SEASON 12 DECEMBER =====

THERMAL UNIT

TANN 1-3	67	TANN 1-3	68	TANN 4	69	ZIMMER	70	ROBTWONE	71	ROBTWONE	72	ROBTWONE	73
	2		3		4		1		1		2		3

----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

THERMAL UNIT

===== SEASON 12 DECEMBER =====

CEREDO 1	75	CEREDO 2	76	CEREDO 3	77	CEREDO 4	78	CEREDO 5	79	CEREDO 6	80	DARBY 1	81
	1		2		3		4		5		6		1

SEASONAL HEAT RATE PROFILE

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----

YEAR 2039	YEAR 2040	SEASON 12 DECEMBER														
THERMAL UNIT		82	83	84	85	86	87	88								
SEASONAL HEAT RATE PROFILE		DARBY 2	DARBY 3	DARBY 4	DARBY 5	DARBY 6	IMBG WTN 1	IMBG WTN 2								
YEAR 2011	YEAR 2012	0	0	0	0	0	0	0								
YEAR 2013	YEAR 2014															
YEAR 2015	YEAR 2016															
YEAR 2017	YEAR 2018															
YEAR 2019	YEAR 2020															
YEAR 2021	YEAR 2022															
YEAR 2023	YEAR 2024															
YEAR 2025	YEAR 2026															
YEAR 2027	YEAR 2028															
YEAR 2029	YEAR 2030															
YEAR 2031	YEAR 2032															
YEAR 2033	YEAR 2034															
YEAR 2035	YEAR 2036															

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		SEASON 12 DECEMBER							
YEAR 2037	DARBY 2	DARBY 3	DARBY 4	DARBY 5	DARBY 6	IMBG WIN 1	IMBG WIN 2		
YEAR 2038									
YEAR 2039									
YEAR 2040									

THERMAL UNIT		SEASON 12 DECEMBER									
YEAR 2011	IMBG SMR 1	IMBG SMR 2	WARR CC 1	WATR2 1	DRESDEN 1	DRESD2 1	NUCLEAR 1				
YEAR 2012											
YEAR 2013											
YEAR 2014											
YEAR 2015											
YEAR 2016											
YEAR 2017											
YEAR 2018											
YEAR 2019											
YEAR 2020											
YEAR 2021											
YEAR 2022											
YEAR 2023											
YEAR 2024											
YEAR 2025											
YEAR 2026											
YEAR 2027											
YEAR 2028											
YEAR 2029											
YEAR 2030											
YEAR 2031											
YEAR 2032											
YEAR 2033											
YEAR 2034											
YEAR 2035											
YEAR 2036											
YEAR 2037											
YEAR 2038											
YEAR 2039											
YEAR 2040											

THERMAL UNIT		SEASON 12 DECEMBER							
YEAR 2011	UFG_NCCS 1	FC_UL_SU 1	UFG_RCCS 1	IGC_NCCS 1	IGCC_GB 1	IGC_RCCS 1	CC 2X1FB 1		
YEAR 2012									
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									

----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2011	YEAR 2012	YEAR 2013
0	0	183	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT	SEASON 12 DECEMBER	109	110	111	114	115	124	125
	CC 2x1FA	CC 1x17H	BS2_CC	CF GE7FA	CT_GE7FA	BS2_FGD	BS1_FGD	
YEAR 2016	1							
YEAR 2017								
YEAR 2018								
YEAR 2019								
YEAR 2020								
YEAR 2021								
YEAR 2022								
YEAR 2023								
YEAR 2024								
YEAR 2025								
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

THERMAL UNIT SEASON 12 DECEMBER

126	127	129	130	131	132	133
CSV5_SCR	CSV6_SCR	CR1_NGCC	CR2_NGCC	MRS_NGCC	MRS_FGD	RP1D_IM
5	6	1	2	5	5	1

SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						

YEAR 2011
YEAR 2012
YEAR 2013
YEAR 2014
YEAR 2015
YEAR 2016
YEAR 2017
YEAR 2018
YEAR 2019
YEAR 2020
YEAR 2021
YEAR 2022
YEAR 2023
YEAR 2024
YEAR 2025
YEAR 2026
YEAR 2027
YEAR 2028
YEAR 2029

YEAR	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
SEASONAL HEAT RATE PROFILE	134	135	136	137	144	145	146				
YEAR 2011	0	0	0	0	0	0	0				
YEAR 2012											
YEAR 2013											
YEAR 2014											
YEAR 2015											
YEAR 2016											
YEAR 2017											
YEAR 2018											
YEAR 2019											
YEAR 2020											
YEAR 2021											
YEAR 2022											
YEAR 2023											
YEAR 2024											
YEAR 2025											
YEAR 2026											
YEAR 2027											

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT SEASON 12 DECEMBER

REP2D_IM 134 TAN4_FGD 135 RPID_KP 136 REP2D_KP 137 TC4_ESP 144 A390%_AP 145 A390%_OP 146
2 4 1 2 4 3

YEAR 2028 -----
YEAR 2029 -----
YEAR 2030 -----
YEAR 2031 -----
YEAR 2032 -----
YEAR 2033 -----
YEAR 2034 -----
YEAR 2035 -----
YEAR 2036 -----
YEAR 2037 -----
YEAR 2038 -----
YEAR 2039 -----
YEAR 2040 -----

THERMAL UNIT SEASON 12 DECEMBER

MTN_90% 147 RPT1_90% 148 RPT2_90% 149 GVL_90% 150 GV2_90% 151 MTN_18% 153 CC_FA_KP 154
1 1 2 1 2 1 1

SEASONAL HEAT RATE PROFILE
YEAR 2011 0 0 0 0 0 0 0
YEAR 2012
YEAR 2013

SEASONAL HEAT RATE PROFILE
YEAR 2014 45 0 0 0 0 0 45
YEAR 2015 0 0 0 0 0 0 0
SEASONAL HEAT RATE PROFILE
YEAR 2016
YEAR 2017
YEAR 2018
YEAR 2019
YEAR 2020
YEAR 2021
YEAR 2022
YEAR 2023
YEAR 2024
YEAR 2025
YEAR 2026
YEAR 2027
YEAR 2028
YEAR 2029
YEAR 2030
YEAR 2031
YEAR 2032
YEAR 2033
YEAR 2034
YEAR 2035
YEAR 2036
YEAR 2037
YEAR 2038
YEAR 2039
YEAR 2040

4-Company East Optimization

SEASONAL HEAT RATE PROFILE	155	156	157	158	159	160	161
YEAR 2011	CT_OHIO	CC_OH	CT_I&M	CC_I&M	CT_ARCO	CC_ARCO	CT_KPCO
YEAR 2012	1	1	1	1	1	1	1
YEAR 2013	0	0	0	0	0	0	0
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT		SEASON 12 DECEMBER												
YEAR 2039	CT_OHIO 1	155	CC_OH 1	156	CT_I&M 1	157	CC_I&M 1	158	CT_APCO 1	159	CC_APCO 1	160	CT_KPCCO 1	161
YEAR 2040														

THERMAL UNIT		SEASON 12 DECEMBER												
YEAR 2011	CC_KPCCO 1	162	BS2_FGD 1	163	BS2_FGD 5	164	BS2_FGD 22	165	BS2_FGD 23	166	IGCC_AP 1	168	PC_UL_AP 1	169
YEAR 2012		0		0		0		0		0		0		0
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														
YEAR 2018														
YEAR 2019														
YEAR 2020														
YEAR 2021														
YEAR 2022														
YEAR 2023														
YEAR 2024														
YEAR 2025														
YEAR 2026														
YEAR 2027														
YEAR 2028														
YEAR 2029														
YEAR 2030														
YEAR 2031														
YEAR 2032														
YEAR 2033														
YEAR 2034														
YEAR 2035														
YEAR 2036														
YEAR 2037														
YEAR 2038														
YEAR 2039														
YEAR 2040														

THERMAL UNIT		SEASON 12 DECEMBER												
YEAR 2011	Nuke_AP 1	170	IGCC_IM 1	171	PC_UL_IM 1	172	NUKE_IM 1	173	IGCC_KP 1	174	PC_UL_KP 1	175	NUKE_KP 1	176
YEAR 2012		0		0		0		0		0		0		0
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														
YEAR 2018														
YEAR 2019														

----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
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 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
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 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

===== THERMAL UNIT SEASON 12 DECEMBER =====

SEASONAL HEAT RATE PROFILE	IGCC OH	FC_UL_OH	NUKE OH	RP1D_03	RP1D_04	RP1D_08	RP1D_20
YEAR 2011	177	178	179	181	182	183	184
YEAR 2012	0	0	0	0	0	0	0
YEAR 2013	1	1	1	1	1	1	1
YEAR 2014	0	0	0	0	0	0	0
YEAR 2015	0	0	0	0	0	0	0
YEAR 2016	0	0	0	0	0	0	0
YEAR 2017	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

-----	YEAR 2018	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2019	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2020	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2021	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2022	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2023	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2024	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2025	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2026	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2027	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2028	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2029	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2030	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2031	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2032	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2033	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2034	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2035	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2036	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2037	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2038	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2039	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2040	-----	-----	-----	-----	-----	-----	-----	-----

THERMAL UNIT SEASON 12 DECEMBER

-----	YEAR 2011	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2012	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2013	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2014	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2015	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2016	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2017	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2018	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2019	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2020	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2021	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2022	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2023	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2024	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2025	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2026	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2027	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2028	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2029	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2030	-----	-----	-----	-----	-----	-----	-----	-----
-----	YEAR 2031	-----	-----	-----	-----	-----	-----	-----	-----

186	187	188	189	190	191	223
RP1TR_1M	RP2TR_1M	RP1TR_KP	RP2TR_KP	T4_TRONA	T4_TRCCR	MR_STKAL
1	2	1	2	4	4	1

0	0	0	0	0	0	0
---	---	---	---	---	---	---

YEAR	HEAT RATE	PROFITE	MR_STRK2	AMS3_SI	BS2_SI	MRS_CP	MRS_SI	RPT1_CP	RPT2_CF
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									
===== SEASON 12 DECEMBER =====									
THEMAL UNIT			224	228	229	230	231	232	233
SEASONAL HEAT RATE			MR_STRK2	AMS3_SI	BS2_SI	MRS_CP	MRS_SI	RPT1_CP	RPT2_CF
YEAR 2011			1	3	2	5	5	1	2
YEAR 2012			0	0	0	0	0	0	0
YEAR 2013									
YEAR 2014									
YEAR 2015									
YEAR 2016									
YEAR 2017									
YEAR 2018									
YEAR 2019									
YEAR 2020									
YEAR 2021									
YEAR 2022									
YEAR 2023									
YEAR 2024									
YEAR 2025									
YEAR 2026									
YEAR 2027									
YEAR 2028									
YEAR 2029									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		SEASON 12 DECEMBER												
YEAR 2030	MR_STKR2	224	AMS3_SI	228	BS2_SI	229	MR5_CF	230	MR5_SI	231	RPT1_CF	232	RPT2_CF	233
YEAR 2031		1		3		2		5		5		1		2
YEAR 2032														
YEAR 2033														
YEAR 2034														
YEAR 2035														
YEAR 2036														
YEAR 2037														
YEAR 2038														
YEAR 2039														
YEAR 2040														

THERMAL UNIT		SEASON 12 DECEMBER												
YEAR 2011	RPT1_SI	234	RPT2_SI	235	DC1_HPT	251	DC1_IS	252	DC1_EFF	253	DC1_I7	254	DC1_3800	255
SEASONAL HEAT RATE PROFILE		1	2	0	0	1	1	0	0	0	1	1	1	0
YEAR 2012		0		0		0		0		0		0		0
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														
YEAR 2018														
YEAR 2019														
YEAR 2020														
YEAR 2021														
YEAR 2022														
YEAR 2023														
YEAR 2024														
YEAR 2025														
YEAR 2026														
YEAR 2027														
YEAR 2028														
YEAR 2029														
YEAR 2030														
YEAR 2031														
YEAR 2032														
YEAR 2033														
YEAR 2034														
YEAR 2035														
YEAR 2036														
YEAR 2037														
YEAR 2038														
YEAR 2039														
YEAR 2040														

THERMAL UNIT		SEASON 12 DECEMBER											
DC2_HFP	257	DC2_EFF	258	DC2_SF0	259	DC2_3800	260	BIGSD_I5	269	BIGSD_GP	270	CHN_Q_HM	271
	2		2		2		2		1		1		1

4-Company East Optimization

SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0
----- YEAR 2012 -----						
----- YEAR 2013 -----						
----- YEAR 2014 -----						
----- YEAR 2015 -----						
----- YEAR 2016 -----						
----- YEAR 2017 -----						
----- YEAR 2018 -----						
----- YEAR 2019 -----						
----- YEAR 2020 -----						
----- YEAR 2021 -----						
----- YEAR 2022 -----						
----- YEAR 2023 -----						
----- YEAR 2024 -----						
----- YEAR 2025 -----						
----- YEAR 2026 -----						
----- YEAR 2027 -----						
----- YEAR 2028 -----						
----- YEAR 2029 -----						
----- YEAR 2030 -----						
----- YEAR 2031 -----						
----- YEAR 2032 -----						
----- YEAR 2033 -----						
----- YEAR 2034 -----						
----- YEAR 2035 -----						
----- YEAR 2036 -----						
----- YEAR 2037 -----						
----- YEAR 2038 -----						
----- YEAR 2039 -----						
----- YEAR 2040 -----						

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

SEASONAL HEAT RATE PROFILE	CLN_Q_15_1	CLN_Q_HM_2	CLN_Q_15_2	CLN_Q_HM_3	CLN_Q_15_3	CVL_3_HM_3	CVL_3_10_3
YEAR 2011	0	0	0	0	0	0	0
YEAR 2012	0	0	0	0	0	0	0
YEAR 2013	0	0	0	0	0	0	0
YEAR 2014	0	0	0	0	0	0	0
YEAR 2015	0	0	0	0	0	0	0
YEAR 2016	0	0	0	0	0	0	0
YEAR 2017	0	0	0	0	0	0	0
YEAR 2018	0	0	0	0	0	0	0
YEAR 2019	0	0	0	0	0	0	0
YEAR 2020	0	0	0	0	0	0	0
YEAR 2021	0	0	0	0	0	0	0
YEAR 2022	0	0	0	0	0	0	0
YEAR 2023	0	0	0	0	0	0	0
YEAR 2024	0	0	0	0	0	0	0
YEAR 2025	0	0	0	0	0	0	0
YEAR 2026	0	0	0	0	0	0	0
YEAR 2027	0	0	0	0	0	0	0
YEAR 2028	0	0	0	0	0	0	0
YEAR 2029	0	0	0	0	0	0	0
YEAR 2030	0	0	0	0	0	0	0
YEAR 2031	0	0	0	0	0	0	0
YEAR 2032	0	0	0	0	0	0	0
YEAR 2033	0	0	0	0	0	0	0
YEAR 2034	0	0	0	0	0	0	0
YEAR 2035	0	0	0	0	0	0	0
YEAR 2036	0	0	0	0	0	0	0
YEAR 2037	0	0	0	0	0	0	0
YEAR 2038	0	0	0	0	0	0	0
YEAR 2039	0	0	0	0	0	0	0
YEAR 2040	0	0	0	0	0	0	0

SEASON 12 DECEMBER

THERMAL UNIT	279	280	281	282	283	284	285
GIN_5_HM_5	279	280	281	282	KMR_F_HM_1	KMR_F_GP_1	KMR_F_HM_2

YEAR 2011	0	0	0	0	0	0	0
YEAR 2012	0	0	0	0	0	0	0
YEAR 2013	0	0	0	0	0	0	0
YEAR 2014	0	0	0	0	0	0	0
YEAR 2015	0	0	0	0	0	0	0
YEAR 2016	0	0	0	0	0	0	0
YEAR 2017	0	0	0	0	0	0	0
YEAR 2018	0	0	0	0	0	0	0
YEAR 2019	0	0	0	0	0	0	0
YEAR 2020	0	0	0	0	0	0	0
YEAR 2021	0	0	0	0	0	0	0
YEAR 2022	0	0	0	0	0	0	0
YEAR 2023	0	0	0	0	0	0	0
YEAR 2024	0	0	0	0	0	0	0

----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

----- THERMAL UNIT SEASON 12 DECEMBER -----

SEASONAL HEAT RATE PROFILE	KMR_F_GP 286 2	KMR_F_HM 287 3	KMR_F_GP 288 3	KWA_1_HM 289 1	KWA_1_15 290 1	KWA_2_HM 291 2	KWA_2_15 292 2
YEAR 2011	0	0	0	0	0	0	0
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

===== THERMAL UNIT SEASON 12 DECEMBER =====

KMR_F_GP	286	KMR_F_HM	287	KMR_F_GP	288	KWA_1_HM	289	KWA_1_15	290	KWA_2_HM	291	KWA_2_15	292
2		3		3		1		1		2		2	

----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

===== THERMAL UNIT SEASON 12 DECEMBER =====

MSKR1_HM	293	MSKR1_12	294	MSKR2_HM	295	MSKR2_12	296	MSKR3_GP	297	MR3HM_12	298	MSKR4_GP	299
1		1		2		2		3		3		4	

SEASONAL HEAT RATE PROFILE
 ----- YEAR 2011 ----- 0
 ----- YEAR 2012 ----- 0
 ----- YEAR 2013 ----- 0
 ----- YEAR 2014 ----- 0
 ----- YEAR 2015 ----- 0
 ----- YEAR 2016 ----- 0
 ----- YEAR 2017 ----- 0
 ----- YEAR 2018 ----- 0
 ----- YEAR 2019 ----- 0
 ----- YEAR 2020 ----- 0
 ----- YEAR 2021 ----- 0
 ----- YEAR 2022 ----- 0
 ----- YEAR 2023 ----- 0
 ----- YEAR 2024 ----- 0
 ----- YEAR 2025 ----- 0
 ----- YEAR 2026 ----- 0
 ----- YEAR 2027 ----- 0
 ----- YEAR 2028 ----- 0
 ----- YEAR 2029 ----- 0
 ----- YEAR 2030 ----- 0
 ----- YEAR 2031 ----- 0
 ----- YEAR 2032 ----- 0
 ----- YEAR 2033 ----- 0
 ----- YEAR 2034 ----- 0
 ----- YEAR 2035 ----- 0
 ----- YEAR 2036 ----- 0

----- YEAR 2036 -----

YEAR	2037	2038	2039	2040	SEASON 12 DECEMBER																				
THEMAL UNIT							M4HW_12_4	P1COW_12_5	P1COW_GP_5	SP1_F_HM_1	SP1_F_1S_1	SP2_F_HM_2	SP2_F_1S_2												
SEASONAL HEAT RATE PROFILE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT		SEASON 12 DECEMBER									
YEAR 2035											
YEAR 2036											
YEAR 2037											
YEAR 2038											
YEAR 2039											
YEAR 2040											

THERMAL UNIT		SEASON 12 DECEMBER									
YEAR 2011											
YEAR 2012											
YEAR 2013											
YEAR 2014											
YEAR 2015											
YEAR 2016											
YEAR 2017											
YEAR 2018											
YEAR 2019											
YEAR 2020											
YEAR 2021											
YEAR 2022											
YEAR 2023											
YEAR 2024											
YEAR 2025											
YEAR 2026											
YEAR 2027											
YEAR 2028											
YEAR 2029											
YEAR 2030											
YEAR 2031											
YEAR 2032											
YEAR 2033											
YEAR 2034											
YEAR 2035											
YEAR 2036											
YEAR 2037											
YEAR 2038											
YEAR 2039											
YEAR 2040											

THERMAL UNIT		SEASON 12 DECEMBER									
YEAR 2011											
YEAR 2012											
YEAR 2013											
YEAR 2014											
YEAR 2015											
YEAR 2016											
YEAR 2017											
YEAR 2018											
YEAR 2019											
YEAR 2020											
YEAR 2021											
YEAR 2022											
YEAR 2023											
YEAR 2024											
YEAR 2025											
YEAR 2026											
YEAR 2027											
YEAR 2028											
YEAR 2029											
YEAR 2030											
YEAR 2031											
YEAR 2032											
YEAR 2033											
YEAR 2034											
YEAR 2035											
YEAR 2036											
YEAR 2037											
YEAR 2038											
YEAR 2039											
YEAR 2040											

THERMAL UNIT		SEASON 12 DECEMBER									
YEAR 2011											
YEAR 2012											
YEAR 2013											
YEAR 2014											
YEAR 2015											

----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

SEASON 12 DECEMBER	500	501	502	503	958	959	960
THERMAL UNIT	DURMY_OP	DURMY_IM	DURMY_AP	DURMY_KP	CC_KPCO	RP2D_KP	RP2D_IM
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0
YEAR 2011	0	0	0	0	0	0	0
YEAR 2012	0	0	0	0	0	0	0
YEAR 2013	0	0	0	0	0	0	0

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

===== SEASON 12 DECEMBER =====

THERMAL UNIT	500	501	502	503	958	959	960
DUMMY_OP	0	0	0	0	CC_KPCO	RP2D_KP	RP2D_IM
					958	959	960

----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----
 ----- YEAR 2028 -----
 ----- YEAR 2029 -----
 ----- YEAR 2030 -----
 ----- YEAR 2031 -----
 ----- YEAR 2032 -----
 ----- YEAR 2033 -----
 ----- YEAR 2034 -----
 ----- YEAR 2035 -----
 ----- YEAR 2036 -----
 ----- YEAR 2037 -----
 ----- YEAR 2038 -----
 ----- YEAR 2039 -----
 ----- YEAR 2040 -----

===== THERMAL UNIT SEASON 12 DECEMBER =====

961	962	963	964	965	966	967
CSV6_SCR	CSV5_SCR	DUMMY_OP	DUMMY_OP	RP1D_03	RP1D_KP	BS2_FSD
961	962	963	964	965	966	967

SEASONAL HEAT RATE PROFILE

----- YEAR 2011 -----
 ----- YEAR 2012 -----
 ----- YEAR 2013 -----
 ----- YEAR 2014 -----
 ----- YEAR 2015 -----
 ----- YEAR 2016 -----
 ----- YEAR 2017 -----
 ----- YEAR 2018 -----
 ----- YEAR 2019 -----
 ----- YEAR 2020 -----
 ----- YEAR 2021 -----
 ----- YEAR 2022 -----
 ----- YEAR 2023 -----
 ----- YEAR 2024 -----
 ----- YEAR 2025 -----
 ----- YEAR 2026 -----
 ----- YEAR 2027 -----

YEAR	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
SEASONAL HEAT RATE PROFILE	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR 2011	968	969	970	971	972	973	974						
YEAR 2012	968	969	970	971	972	973	974						
YEAR 2013	968	969	970	971	972	973	974						
YEAR 2014	968	969	970	971	972	973	974						
YEAR 2015	968	969	970	971	972	973	974						
YEAR 2016	968	969	970	971	972	973	974						
YEAR 2017	968	969	970	971	972	973	974						
YEAR 2018	968	969	970	971	972	973	974						
YEAR 2019	968	969	970	971	972	973	974						
YEAR 2020	968	969	970	971	972	973	974						
YEAR 2021	968	969	970	971	972	973	974						
YEAR 2022	968	969	970	971	972	973	974						
YEAR 2023	968	969	970	971	972	973	974						
YEAR 2024	968	969	970	971	972	973	974						
YEAR 2025	968	969	970	971	972	973	974						

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

===== THERMAL UNIT SEASON 12 DECEMBER =====

YEAR	CR2_NGCC	CRI_NGCC	MRS_NGCC	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
YEAR 2026	968	969	970	971	972	973	974		
YEAR 2027									
YEAR 2028									
YEAR 2029									
YEAR 2030									
YEAR 2031									
YEAR 2032									
YEAR 2033									
YEAR 2034									
YEAR 2035									
YEAR 2036									
YEAR 2037									
YEAR 2038									
YEAR 2039									
YEAR 2040									

===== THERMAL UNIT SEASON 12 DECEMBER =====

SEASONAL HEAT RATE PROFILE	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP	DUMMY_OP
YEAR 2011	975	976	977	978	979	980	981
YEAR 2012	0	0	0	0	0	0	0
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							

YEAR 2040		SEASON 12 DECEMBER									
THERMAL UNIT		DUMMY OP		DUMMY OP		DUMMY OP		DUMMY OP		DUMMY OP	
SEASONAL HEAT RATE PROFILE	YEAR 2011	982	982	983	984	985	986	987	988	0	0
	YEAR 2012	582	582	983	984	985	986	987	988	0	0
	YEAR 2013										
	YEAR 2014										
	YEAR 2015										
	YEAR 2016										
	YEAR 2017										
	YEAR 2018										
	YEAR 2019										
	YEAR 2020										
	YEAR 2021										
	YEAR 2022										
	YEAR 2023										
	YEAR 2024										
	YEAR 2025										
	YEAR 2026										
	YEAR 2027										
	YEAR 2028										
	YEAR 2029										
	YEAR 2030										
	YEAR 2031										
	YEAR 2032										
	YEAR 2033										
	YEAR 2034										
	YEAR 2035										
	YEAR 2036										
	YEAR 2037										

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

THERMAL UNIT		SEASON 12 DECEMBER									
YEAR 2038		982	983	984	985	986	987	988			
YEAR 2039		982	983	984	985	986	987	988			
YEAR 2040		982	983	984	985	986	987	988			

THERMAL UNIT		SEASON 12 DECEMBER									
YEAR 2011		989	990	991	992	993	994	995			
YEAR 2012		989	990	991	992	993	994	995			
YEAR 2013		989	990	991	992	993	994	995			
YEAR 2014		989	990	991	992	993	994	995			
YEAR 2015		989	990	991	992	993	994	995			
YEAR 2016		989	990	991	992	993	994	995			
YEAR 2017		989	990	991	992	993	994	995			
YEAR 2018		989	990	991	992	993	994	995			
YEAR 2019		989	990	991	992	993	994	995			
YEAR 2020		989	990	991	992	993	994	995			
YEAR 2021		989	990	991	992	993	994	995			
YEAR 2022		989	990	991	992	993	994	995			
YEAR 2023		989	990	991	992	993	994	995			
YEAR 2024		989	990	991	992	993	994	995			
YEAR 2025		989	990	991	992	993	994	995			
YEAR 2026		989	990	991	992	993	994	995			
YEAR 2027		989	990	991	992	993	994	995			
YEAR 2028		989	990	991	992	993	994	995			
YEAR 2029		989	990	991	992	993	994	995			
YEAR 2030		989	990	991	992	993	994	995			
YEAR 2031		989	990	991	992	993	994	995			
YEAR 2032		989	990	991	992	993	994	995			
YEAR 2033		989	990	991	992	993	994	995			
YEAR 2034		989	990	991	992	993	994	995			
YEAR 2035		989	990	991	992	993	994	995			
YEAR 2036		989	990	991	992	993	994	995			
YEAR 2037		989	990	991	992	993	994	995			
YEAR 2038		989	990	991	992	993	994	995			
YEAR 2039		989	990	991	992	993	994	995			
YEAR 2040		989	990	991	992	993	994	995			

THERMAL UNIT	SEASON 12 DECEMBER									
	996	997	998	999						
	T4_TROVA	RP2TR_KP	RP2TR_IM	DUMMY_OP						
	996	997	998	999						

SEASONAL HEAT RATE PROFILE		SEASON 12 DECEMBER									
YEAR 2011		0	0	0	0	0	0	0			
YEAR 2012		0	0	0	0	0	0	0			
YEAR 2013		0	0	0	0	0	0	0			
YEAR 2014		0	0	0	0	0	0	0			
YEAR 2015		0	0	0	0	0	0	0			
YEAR 2016		0	0	0	0	0	0	0			
YEAR 2017		0	0	0	0	0	0	0			
YEAR 2018		0	0	0	0	0	0	0			

----- YEAR 2019 -----
----- YEAR 2020 -----
----- YEAR 2021 -----
----- YEAR 2022 -----
----- YEAR 2023 -----
----- YEAR 2024 -----
----- YEAR 2025 -----
----- YEAR 2026 -----
----- YEAR 2027 -----
----- YEAR 2028 -----
----- YEAR 2029 -----
----- YEAR 2030 -----
----- YEAR 2031 -----
----- YEAR 2032 -----
----- YEAR 2033 -----
----- YEAR 2034 -----
----- YEAR 2035 -----
----- YEAR 2036 -----
----- YEAR 2037 -----
----- YEAR 2038 -----
----- YEAR 2039 -----
----- YEAR 2040 -----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	1	AMOS	1	2	3	4
----- YEAR 2011 -----						
UPPER SEG SPINNING RESERVE	%		100.00	100.00	100.00	100.00
----- YEAR 2012 -----						
----- YEAR 2013 -----						
----- YEAR 2014 -----						
----- YEAR 2015 -----						
----- YEAR 2016 -----						
----- YEAR 2017 -----						
----- YEAR 2018 -----						
----- YEAR 2019 -----						
----- YEAR 2020 -----						
----- YEAR 2021 -----						
----- YEAR 2022 -----						
----- YEAR 2023 -----						
----- YEAR 2024 -----						
----- YEAR 2025 -----						
----- YEAR 2026 -----						
----- YEAR 2027 -----						
----- YEAR 2028 -----						
----- YEAR 2029 -----						
----- YEAR 2030 -----						
----- YEAR 2031 -----						
----- YEAR 2032 -----						
----- YEAR 2033 -----						
----- YEAR 2034 -----						
----- YEAR 2035 -----						
----- YEAR 2036 -----						
----- YEAR 2037 -----						
----- YEAR 2038 -----						
----- YEAR 2039 -----						
----- YEAR 2040 -----						

THERMAL UNIT CAPACITY SEGMENTS	2	AMOS	1	2	3	4
UPPER SEG SPINNING RESERVE	%		100.00	100.00	100.00	100.00
----- YEAR 2011 -----						
----- YEAR 2012 -----						
----- YEAR 2013 -----						
----- YEAR 2014 -----						
----- YEAR 2015 -----						
----- YEAR 2016 -----						
----- YEAR 2017 -----						
----- YEAR 2018 -----						
----- YEAR 2019 -----						
----- YEAR 2020 -----						
----- YEAR 2021 -----						
----- YEAR 2022 -----						
----- YEAR 2023 -----						
----- YEAR 2024 -----						
----- YEAR 2025 -----						
----- YEAR 2026 -----						

YEAR	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-----	YEAR 2027	-----	YEAR 2028	-----	YEAR 2029	-----	YEAR 2030	-----	YEAR 2031	-----	YEAR 2032	-----	YEAR 2033	-----
-----	YEAR 2034	-----	YEAR 2035	-----	YEAR 2036	-----	YEAR 2037	-----	YEAR 2038	-----	YEAR 2039	-----	YEAR 2040	-----
-----	THERMAL UNIT													
-----	CAPACITY SEGMENTS													
-----	YEAR 2011	-----	3	AMOS_OP	1	3	2	3	4	-----	YEAR 2011	-----	3	AMOS_OP
-----	UPPER SEG SPINNING RESERVE	-----	%	100.00	100.00	100.00	100.00	100.00	100.00	-----	UPPER SEG SPINNING RESERVE	-----	%	100.00
-----	YEAR 2012	-----	YEAR 2012	-----	YEAR 2013	-----	YEAR 2014	-----	YEAR 2015	-----	YEAR 2016	-----	YEAR 2017	-----
-----	YEAR 2018	-----	YEAR 2019	-----	YEAR 2020	-----	YEAR 2021	-----	YEAR 2022	-----	YEAR 2023	-----	YEAR 2024	-----
-----	YEAR 2025	-----	YEAR 2025	-----	YEAR 2026	-----	YEAR 2027	-----	YEAR 2028	-----	YEAR 2029	-----	YEAR 2030	-----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	3	AMOS_OP	1	3	2	3	4
YEAR 2026	-----						
YEAR 2027	-----						
YEAR 2028	-----						
YEAR 2029	-----						
YEAR 2030	-----						
YEAR 2031	-----						
YEAR 2032	-----						
YEAR 2033	-----						
YEAR 2034	-----						
YEAR 2035	-----						
YEAR 2036	-----						
YEAR 2037	-----						
YEAR 2038	-----						
YEAR 2039	-----						
YEAR 2040	-----						

THERMAL UNIT CAPACITY SEGMENTS	4	BECKJORD	1	6	2	3	4
YEAR 2011	-----						
UPPER SEG SPINNING RESERVE	-----	%	100.00	100.00	100.00	100.00	0.00
YEAR 2012	-----						
YEAR 2013	-----						
YEAR 2014	-----						
YEAR 2015	-----						
YEAR 2016	-----						
YEAR 2017	-----						
YEAR 2018	-----						
YEAR 2019	-----						
YEAR 2020	-----						
YEAR 2021	-----						
YEAR 2022	-----						
YEAR 2023	-----						
YEAR 2024	-----						
YEAR 2025	-----						
YEAR 2026	-----						
YEAR 2027	-----						
YEAR 2028	-----						
YEAR 2029	-----						
YEAR 2030	-----						
YEAR 2031	-----						
YEAR 2032	-----						
YEAR 2033	-----						
YEAR 2034	-----						
YEAR 2035	-----						
YEAR 2036	-----						
YEAR 2037	-----						
YEAR 2038	-----						
YEAR 2039	-----						
YEAR 2040	-----						

THERMAL UNIT CAPACITY SEGMENTS	5	BIG SAND	1	1	2	3	4
YEAR 2026	-----						
YEAR 2027	-----						
YEAR 2028	-----						
YEAR 2029	-----						
YEAR 2030	-----						
YEAR 2031	-----						
YEAR 2032	-----						
YEAR 2033	-----						
YEAR 2034	-----						
YEAR 2035	-----						
YEAR 2036	-----						
YEAR 2037	-----						
YEAR 2038	-----						
YEAR 2039	-----						
YEAR 2040	-----						

4-Company East Optimization

YEAR 2011				
UPPER SEG SPINNING RESERVE	%	100.00	100.00	0.00
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				
YEAR 2038				
YEAR 2039				
YEAR 2040				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	6	BIG SAND			
		1	2	3	4
YEAR 2011					
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT
CAPACITY SEGMENTS

THERMAL UNIT CAPACITY SEGMENTS	7	CARD 1+2			
		1	2	3	4
YEAR 2011					
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	0.00
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					

YEAR	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
UPPER SRG SPINNING RESERVE														
CAPACITY SEGMENTS	8	CARD 1+2	1	2	2	3	4							
YEAR 2011														
YEAR 2012		100.00		100.00		100.00		0.00						
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														
YEAR 2018														
YEAR 2019														
YEAR 2020														
YEAR 2021														
YEAR 2022														
YEAR 2023														
YEAR 2024														
YEAR 2025														

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	8	CARD 1+2	1	2	3	4
YEAR 2026	-----					
YEAR 2027	-----					
YEAR 2028	-----					
YEAR 2029	-----					
YEAR 2030	-----					
YEAR 2031	-----					
YEAR 2032	-----					
YEAR 2033	-----					
YEAR 2034	-----					
YEAR 2035	-----					
YEAR 2036	-----					
YEAR 2037	-----					
YEAR 2038	-----					
YEAR 2039	-----					
YEAR 2040	-----					

THERMAL UNIT CAPACITY SEGMENTS	9	CARD 3	1	3	2	3	4
YEAR 2011	-----						
UPPER SEG SPINNING RESERVE							
YEAR 2012	-----						
YEAR 2013	-----						
YEAR 2014	-----						
YEAR 2015	-----						
YEAR 2016	-----						
YEAR 2017	-----						
YEAR 2018	-----						
YEAR 2019	-----						
YEAR 2020	-----						
YEAR 2021	-----						
YEAR 2022	-----						
YEAR 2023	-----						
YEAR 2024	-----						
YEAR 2025	-----						
YEAR 2026	-----						
YEAR 2027	-----						
YEAR 2028	-----						
YEAR 2029	-----						
YEAR 2030	-----						
YEAR 2031	-----						
YEAR 2032	-----						
YEAR 2033	-----						
YEAR 2034	-----						
YEAR 2035	-----						
YEAR 2036	-----						
YEAR 2037	-----						
YEAR 2038	-----						
YEAR 2039	-----						
YEAR 2040	-----						

THERMAL UNIT CAPACITY SEGMENTS	10	CLIPPY	1	1	2	3	4
YEAR 2011	-----						
UPPER SEG SPINNING RESERVE							
YEAR 2012	-----						
YEAR 2013	-----						
YEAR 2014	-----						
YEAR 2015	-----						
YEAR 2016	-----						
YEAR 2017	-----						
YEAR 2018	-----						
YEAR 2019	-----						
YEAR 2020	-----						
YEAR 2021	-----						
YEAR 2022	-----						
YEAR 2023	-----						
YEAR 2024	-----						
YEAR 2025	-----						
YEAR 2026	-----						
YEAR 2027	-----						
YEAR 2028	-----						
YEAR 2029	-----						
YEAR 2030	-----						
YEAR 2031	-----						
YEAR 2032	-----						
YEAR 2033	-----						
YEAR 2034	-----						
YEAR 2035	-----						
YEAR 2036	-----						
YEAR 2037	-----						
YEAR 2038	-----						
YEAR 2039	-----						
YEAR 2040	-----						

THERMAL UNIT
CAPACITY SEGMENTS 10 CLIPPY 1 1 2 3 4
1603

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

11	CLIFTY	1	2	3	4
-----	YEAR 2011	-----	-----	-----	-----
-----	UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00
-----	YEAR 2012	-----	-----	-----	-----
-----	YEAR 2013	-----	-----	-----	-----
-----	YEAR 2014	-----	-----	-----	-----
-----	YEAR 2015	-----	-----	-----	-----
-----	YEAR 2016	-----	-----	-----	-----
-----	YEAR 2017	-----	-----	-----	-----
-----	YEAR 2018	-----	-----	-----	-----
-----	YEAR 2019	-----	-----	-----	-----
-----	YEAR 2020	-----	-----	-----	-----
-----	YEAR 2021	-----	-----	-----	-----
-----	YEAR 2022	-----	-----	-----	-----
-----	YEAR 2023	-----	-----	-----	-----
-----	YEAR 2024	-----	-----	-----	-----
-----	YEAR 2025	-----	-----	-----	-----
-----	YEAR 2026	-----	-----	-----	-----
-----	YEAR 2027	-----	-----	-----	-----
-----	YEAR 2028	-----	-----	-----	-----
-----	YEAR 2029	-----	-----	-----	-----
-----	YEAR 2030	-----	-----	-----	-----
-----	YEAR 2031	-----	-----	-----	-----
-----	YEAR 2032	-----	-----	-----	-----
-----	YEAR 2033	-----	-----	-----	-----
-----	YEAR 2034	-----	-----	-----	-----
-----	YEAR 2035	-----	-----	-----	-----
-----	YEAR 2036	-----	-----	-----	-----
-----	YEAR 2037	-----	-----	-----	-----
-----	YEAR 2038	-----	-----	-----	-----
-----	YEAR 2039	-----	-----	-----	-----
-----	YEAR 2040	-----	-----	-----	-----

12	CLIFTY	1	3	2	3	4
-----	THERMAL UNIT	-----	-----	-----	-----	-----
-----	CAPACITY SEGMENTS	%	100.00	100.00	100.00	0.00

-----	YEAR 2011	-----	-----	-----	-----
-----	UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00
-----	YEAR 2012	-----	-----	-----	-----
-----	YEAR 2013	-----	-----	-----	-----
-----	YEAR 2014	-----	-----	-----	-----
-----	YEAR 2015	-----	-----	-----	-----
-----	YEAR 2016	-----	-----	-----	-----
-----	YEAR 2017	-----	-----	-----	-----
-----	YEAR 2018	-----	-----	-----	-----
-----	YEAR 2019	-----	-----	-----	-----
-----	YEAR 2020	-----	-----	-----	-----
-----	YEAR 2021	-----	-----	-----	-----
-----	YEAR 2022	-----	-----	-----	-----
-----	YEAR 2023	-----	-----	-----	-----
-----	YEAR 2024	-----	-----	-----	-----
-----	YEAR 2025	-----	-----	-----	-----
-----	YEAR 2026	-----	-----	-----	-----

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	13	CLIFFY	1	4	2	3	4
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							
THERMAL UNIT CAPACITY SEGMENTS	14	CLIFFY	1	5	2	3	4
UPPER SEG SPINNING RESERVE	%		100.00		100.00	100.00	0.00
YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							
THERMAL UNIT CAPACITY SEGMENTS	15	CLIFFY	1	6	2	3	4
UPPER SEG SPINNING RESERVE	%		100.00		100.00	100.00	0.00
YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

4-Company East Optimization

UPPER SEG SPINNING RESERVE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

16	CLINCH R	1	2	3	4
THERMAL UNIT					
CAPACITY SEGMENTS					
YEAR 2011					
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	0.00
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
17	CLINCH R	1	2	3	4
THERMAL UNIT					
CAPACITY SEGMENTS					
YEAR 2011					
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	0.00
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					

-----	YEAR 2027	-----					
-----	YEAR 2028	-----					
-----	YEAR 2029	-----					
-----	YEAR 2030	-----					
-----	YEAR 2031	-----					
-----	YEAR 2032	-----					
-----	YEAR 2033	-----					
-----	YEAR 2034	-----					
-----	YEAR 2035	-----					
-----	YEAR 2036	-----					
-----	YEAR 2037	-----					
-----	YEAR 2038	-----					
-----	YEAR 2039	-----					
-----	YEAR 2040	-----					
-----	THERMAL UNIT	-----	18	CLINCH R	3		
-----	CAPACITY SEGMENTS	-----		1	2	3	4
-----	YEAR 2011	-----					
-----	UPPER SEG SPINNING RESERVE	-----	8	100.00	100.00	100.00	0.00
-----	YEAR 2012	-----					
-----	YEAR 2013	-----					
-----	YEAR 2014	-----					
-----	YEAR 2015	-----					
-----	YEAR 2016	-----					
-----	YEAR 2017	-----					
-----	YEAR 2018	-----					
-----	YEAR 2019	-----					
-----	YEAR 2020	-----					
-----	YEAR 2021	-----					
-----	YEAR 2022	-----					
-----	YEAR 2023	-----					
-----	YEAR 2024	-----					
-----	YEAR 2025	-----					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

18	CLINCH R	1	2	3	4
---	YEAR 2026	---	---	---	---
---	YEAR 2027	---	---	---	---
---	YEAR 2028	---	---	---	---
---	YEAR 2029	---	---	---	---
---	YEAR 2030	---	---	---	---
---	YEAR 2031	---	---	---	---
---	YEAR 2032	---	---	---	---
---	YEAR 2033	---	---	---	---
---	YEAR 2034	---	---	---	---
---	YEAR 2035	---	---	---	---
---	YEAR 2036	---	---	---	---
---	YEAR 2037	---	---	---	---
---	YEAR 2038	---	---	---	---
---	YEAR 2039	---	---	---	---
---	YEAR 2040	---	---	---	---

19	ROCKP_KP	1	2	3	4
---	YEAR 2011	---	---	---	---
---	UPPER SEG SPINNING RESERVE	8	100.00	100.00	100.00
---	YEAR 2012	---	---	---	---
---	YEAR 2013	---	---	---	---
---	YEAR 2014	---	---	---	---
---	YEAR 2015	---	---	---	---
---	YEAR 2016	---	---	---	---
---	YEAR 2017	---	---	---	---
---	YEAR 2018	---	---	---	---
---	YEAR 2019	---	---	---	---
---	YEAR 2020	---	---	---	---
---	YEAR 2021	---	---	---	---
---	YEAR 2022	---	---	---	---
---	YEAR 2023	---	---	---	---
---	YEAR 2024	---	---	---	---
---	YEAR 2025	---	---	---	---
---	YEAR 2026	---	---	---	---
---	YEAR 2027	---	---	---	---
---	YEAR 2028	---	---	---	---
---	YEAR 2029	---	---	---	---
---	YEAR 2030	---	---	---	---
---	YEAR 2031	---	---	---	---
---	YEAR 2032	---	---	---	---
---	YEAR 2033	---	---	---	---
---	YEAR 2034	---	---	---	---
---	YEAR 2035	---	---	---	---
---	YEAR 2036	---	---	---	---
---	YEAR 2037	---	---	---	---
---	YEAR 2038	---	---	---	---
---	YEAR 2039	---	---	---	---
---	YEAR 2040	---	---	---	---

20	ROCKP_KP	1	2	3	4
---	YEAR 2011	---	---	---	---
---	UPPER SEG SPINNING RESERVE	8	100.00	100.00	100.00
---	YEAR 2012	---	---	---	---
---	YEAR 2013	---	---	---	---
---	YEAR 2014	---	---	---	---
---	YEAR 2015	---	---	---	---
---	YEAR 2016	---	---	---	---
---	YEAR 2017	---	---	---	---
---	YEAR 2018	---	---	---	---
---	YEAR 2019	---	---	---	---
---	YEAR 2020	---	---	---	---
---	YEAR 2021	---	---	---	---
---	YEAR 2022	---	---	---	---
---	YEAR 2023	---	---	---	---
---	YEAR 2024	---	---	---	---
---	YEAR 2025	---	---	---	---
---	YEAR 2026	---	---	---	---
---	YEAR 2027	---	---	---	---
---	YEAR 2028	---	---	---	---
---	YEAR 2029	---	---	---	---
---	YEAR 2030	---	---	---	---
---	YEAR 2031	---	---	---	---
---	YEAR 2032	---	---	---	---
---	YEAR 2033	---	---	---	---
---	YEAR 2034	---	---	---	---
---	YEAR 2035	---	---	---	---
---	YEAR 2036	---	---	---	---
---	YEAR 2037	---	---	---	---
---	YEAR 2038	---	---	---	---
---	YEAR 2039	---	---	---	---
---	YEAR 2040	---	---	---	---

4-Company East Optimization

UPPER SEG SPINNING RESERVE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

-----	YEAR 2027	-----						
-----	YEAR 2028	-----						
-----	YEAR 2029	-----						
-----	YEAR 2030	-----						
-----	YEAR 2031	-----						
-----	YEAR 2032	-----						
-----	YEAR 2033	-----						
-----	YEAR 2034	-----						
-----	YEAR 2035	-----						
-----	YEAR 2036	-----						
-----	YEAR 2037	-----						
-----	YEAR 2038	-----						
-----	YEAR 2039	-----						
-----	YEAR 2040	-----						

	THERMAL UNIT		23	CSVL 5+6	1	5		
	CAPACITY SEGMENTS							
	YEAR 2011							
	UPPER SEG SPINNING RESERVE		%	100.00	100.00	100.00	0.00	
	YEAR 2012							
	YEAR 2013							
	YEAR 2014							
	YEAR 2015							
	YEAR 2016							
	YEAR 2017							
	YEAR 2018							
	YEAR 2019							
	YEAR 2020							
	YEAR 2021							
	YEAR 2022							
	YEAR 2023							
	YEAR 2024							
	YEAR 2025							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	23	CSVL 5+6	1	5	2	3	4
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

THERMAL UNIT CAPACITY SEGMENTS	24	CSVL 5+6	1	6	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00	

YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

THERMAL UNIT CAPACITY SEGMENTS	25	D C COOK	1	1	2	3	4

1615

4-Company East Optimization

YEAR 2011	%	100.00	100.00	100.00	0.00
UPPER SEG SPINNING RESERVE					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	26	D C COOK	1	2	3	4
YEAR 2011						
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT 27 GAVIN 1 1 2 3 4
CAPACITY SEGMENTS

UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	28	GAVIN	1	2	3	4
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT CAPACITY SEGMENTS	29	GLEN LYN	1	5	2	3	4
YEAR 2011							
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00	
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

THERMAL UNIT CAPACITY SEGMENTS	30	GLEN LYN	1	6	2	3	4
YEAR 2040							

1619

4-Company East Optimization

YEAR 2011	%	100.00	100.00	100.00	0.00
UPPER SEG SPINNING RESERVE					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

THERMAL UNIT CAPACITY SEGMENTS	33	KAMMER	1	2	3	4
YEAR 2011						
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						
THERMAL UNIT CAPACITY SEGMENTS	34	KAMMER	1	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						

-----	YEAR 2027	-----					
-----	YEAR 2028	-----					
-----	YEAR 2029	-----					
-----	YEAR 2030	-----					
-----	YEAR 2031	-----					
-----	YEAR 2032	-----					
-----	YEAR 2033	-----					
-----	YEAR 2034	-----					
-----	YEAR 2035	-----					
-----	YEAR 2036	-----					
-----	YEAR 2037	-----					
-----	YEAR 2038	-----					
-----	YEAR 2039	-----					
-----	YEAR 2040	-----					
	THERMAL UNIT		35				
	CAPACITY SEGMENTS						
	UPPER SEG SPINNING RESERVE		%				
-----	YEAR 2011	-----		100.00	100.00	100.00	0.00
-----	YEAR 2012	-----					
-----	YEAR 2013	-----					
-----	YEAR 2014	-----					
-----	YEAR 2015	-----					
-----	YEAR 2016	-----					
-----	YEAR 2017	-----					
-----	YEAR 2018	-----					
-----	YEAR 2019	-----					
-----	YEAR 2020	-----					
-----	YEAR 2021	-----					
-----	YEAR 2022	-----					
-----	YEAR 2023	-----					
-----	YEAR 2024	-----					
-----	YEAR 2025	-----					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

4-Company East Optimization

YEAR	UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	0.00
YEAR 2011	-----					
YEAR 2012	-----					
YEAR 2013	-----					
YEAR 2014	-----					
YEAR 2015	-----					
YEAR 2016	-----					
YEAR 2017	-----					
YEAR 2018	-----					
YEAR 2019	-----					
YEAR 2020	-----					
YEAR 2021	-----					
YEAR 2022	-----					
YEAR 2023	-----					
YEAR 2024	-----					
YEAR 2025	-----					
YEAR 2026	-----					
YEAR 2027	-----					
YEAR 2028	-----					
YEAR 2029	-----					
YEAR 2030	-----					
YEAR 2031	-----					
YEAR 2032	-----					
YEAR 2033	-----					
YEAR 2034	-----					
YEAR 2035	-----					
YEAR 2036	-----					
YEAR 2037	-----					
YEAR 2038	-----					
YEAR 2039	-----					
YEAR 2040	-----					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	38	KYGER	1	2	3	4
YEAR 2011						
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
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YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						
THERMAL UNIT CAPACITY SEGMENTS	39	KYGER	1	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	40	KYGER	1	3	2	3	4
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							
THERMAL UNIT CAPACITY SEGMENTS	41	KYGER	1	4	2	3	4
UPPER SEG SPINNING RESERVE	%		100.00	100.00	100.00	100.00	0.00
YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
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YEAR 2024							
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YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

THERMAL UNIT 42 KYGER 1 5 2 3 4
CAPACITY SEGMENTS
1627

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THermal UNIT CAPACITY SEGMENTS	43	MITCHELL	1	2	3	4
YEAR 2011						
OPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	100.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
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YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THermal UNIT 44 MITCHELL 1 2 3 4
CAPACITY SEGMENTS

UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					

-----	YEAR 2027	-----					
-----	YEAR 2028	-----					
-----	YEAR 2029	-----					
-----	YEAR 2030	-----					
-----	YEAR 2031	-----					
-----	YEAR 2032	-----					
-----	YEAR 2033	-----					
-----	YEAR 2034	-----					
-----	YEAR 2035	-----					
-----	YEAR 2036	-----					
-----	YEAR 2037	-----					
-----	YEAR 2038	-----					
-----	YEAR 2039	-----					
-----	YEAR 2040	-----					
-----	-----	-----					
-----	YEAR 2011	-----	45	MOUNT_ER	1	1	
-----	UPPER SEG SPINNING RESERVE	-----	%	100.00	100.00	100.00	100.00
-----	YEAR 2012	-----					
-----	YEAR 2013	-----					
-----	YEAR 2014	-----					
-----	YEAR 2015	-----					
-----	YEAR 2016	-----					
-----	YEAR 2017	-----					
-----	YEAR 2018	-----					
-----	YEAR 2019	-----					
-----	YEAR 2020	-----					
-----	YEAR 2021	-----					
-----	YEAR 2022	-----					
-----	YEAR 2023	-----					
-----	YEAR 2024	-----					
-----	YEAR 2025	-----					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

THERMAL UNIT CAPACITY SEGMENTS	45	MOUNT_ER	1	2	3	4
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						
THERMAL UNIT CAPACITY SEGMENTS	46	MUSK_RVR	1	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						
THERMAL UNIT CAPACITY SEGMENTS	47	MUSK_RVR	1	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
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YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

4-Company East Optimization

YEAR 2011	%	100.00	100.00	100.00	0.00
UPPER SEG SPINNING RESERVE					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	48	MUSK RVR 1	3	2	4	3	4
YEAR 2011							
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	0.00		
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							
THERMAL UNIT CAPACITY SEGMENTS	49	MUSK RVR 1	4	2	3	4	
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	0.00		
YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							

YEAR	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
YEAR 2027														
YEAR 2028														
YEAR 2029														
YEAR 2030														
YEAR 2031														
YEAR 2032														
YEAR 2033														
YEAR 2034														
YEAR 2035														
YEAR 2036														
YEAR 2037														
YEAR 2038														
YEAR 2039														
YEAR 2040														
THERMAL UNIT														
CAPACITY SEGMENTS														
YEAR 2011		50												
UPPER SEG SPINNING RESERVE		%	100.00											
YEAR 2012														
YEAR 2013														
YEAR 2014														
YEAR 2015														
YEAR 2016														
YEAR 2017														
YEAR 2018														
YEAR 2019														
YEAR 2020														
YEAR 2021														
YEAR 2022														
YEAR 2023														
YEAR 2024														
YEAR 2025														

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT, THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	50	MUSK RVR	1	5	2	3	4
YEAR 2026	---	---	---	---	---	---	---
YEAR 2027	---	---	---	---	---	---	---
YEAR 2028	---	---	---	---	---	---	---
YEAR 2029	---	---	---	---	---	---	---
YEAR 2030	---	---	---	---	---	---	---
YEAR 2031	---	---	---	---	---	---	---
YEAR 2032	---	---	---	---	---	---	---
YEAR 2033	---	---	---	---	---	---	---
YEAR 2034	---	---	---	---	---	---	---
YEAR 2035	---	---	---	---	---	---	---
YEAR 2036	---	---	---	---	---	---	---
YEAR 2037	---	---	---	---	---	---	---
YEAR 2038	---	---	---	---	---	---	---
YEAR 2039	---	---	---	---	---	---	---
YEAR 2040	---	---	---	---	---	---	---

THERMAL UNIT
CAPACITY SEGMENTS 51 P SPORN 1 1 2 3 4

UPPER SBG SPINNING RESERVE % 100.00 100.00 100.00 0.00

YEAR 2011	---	---	---	---	---	---	---
YEAR 2012	---	---	---	---	---	---	---
YEAR 2013	---	---	---	---	---	---	---
YEAR 2014	---	---	---	---	---	---	---
YEAR 2015	---	---	---	---	---	---	---
YEAR 2016	---	---	---	---	---	---	---
YEAR 2017	---	---	---	---	---	---	---
YEAR 2018	---	---	---	---	---	---	---
YEAR 2019	---	---	---	---	---	---	---
YEAR 2020	---	---	---	---	---	---	---
YEAR 2021	---	---	---	---	---	---	---
YEAR 2022	---	---	---	---	---	---	---
YEAR 2023	---	---	---	---	---	---	---
YEAR 2024	---	---	---	---	---	---	---
YEAR 2025	---	---	---	---	---	---	---
YEAR 2026	---	---	---	---	---	---	---
YEAR 2027	---	---	---	---	---	---	---
YEAR 2028	---	---	---	---	---	---	---
YEAR 2029	---	---	---	---	---	---	---
YEAR 2030	---	---	---	---	---	---	---
YEAR 2031	---	---	---	---	---	---	---
YEAR 2032	---	---	---	---	---	---	---
YEAR 2033	---	---	---	---	---	---	---
YEAR 2034	---	---	---	---	---	---	---
YEAR 2035	---	---	---	---	---	---	---
YEAR 2036	---	---	---	---	---	---	---
YEAR 2037	---	---	---	---	---	---	---
YEAR 2038	---	---	---	---	---	---	---
YEAR 2039	---	---	---	---	---	---	---
YEAR 2040	---	---	---	---	---	---	---

THERMAL UNIT
CAPACITY SEGMENTS 52 P SPORN 1 2 2 3 4

4-Company East Optimization

UPPER SEG SPINNING RESERVE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	53	P SPORN	1	3	2	4	3	4
----- YEAR 2011 -----								
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00		
----- YEAR 2012 -----								
----- YEAR 2013 -----								
----- YEAR 2014 -----								
----- YEAR 2015 -----								
----- YEAR 2016 -----								
----- YEAR 2017 -----								
----- YEAR 2018 -----								
----- YEAR 2019 -----								
----- YEAR 2020 -----								
----- YEAR 2021 -----								
----- YEAR 2022 -----								
----- YEAR 2023 -----								
----- YEAR 2024 -----								
----- YEAR 2025 -----								
----- YEAR 2026 -----								
----- YEAR 2027 -----								
----- YEAR 2028 -----								
----- YEAR 2029 -----								
----- YEAR 2030 -----								
----- YEAR 2031 -----								
----- YEAR 2032 -----								
----- YEAR 2033 -----								
----- YEAR 2034 -----								
----- YEAR 2035 -----								
----- YEAR 2036 -----								
----- YEAR 2037 -----								
----- YEAR 2038 -----								
----- YEAR 2039 -----								
----- YEAR 2040 -----								
THERMAL UNIT CAPACITY SEGMENTS	54	P SPORN	1	4	2	3	4	
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00		
----- YEAR 2011 -----								
----- YEAR 2012 -----								
----- YEAR 2013 -----								
----- YEAR 2014 -----								
----- YEAR 2015 -----								
----- YEAR 2016 -----								
----- YEAR 2017 -----								
----- YEAR 2018 -----								
----- YEAR 2019 -----								
----- YEAR 2020 -----								
----- YEAR 2021 -----								
----- YEAR 2022 -----								
----- YEAR 2023 -----								
----- YEAR 2024 -----								
----- YEAR 2025 -----								
----- YEAR 2026 -----								

-----	YEAR 2027	-----					
-----	YEAR 2028	-----					
-----	YEAR 2029	-----					
-----	YEAR 2030	-----					
-----	YEAR 2031	-----					
-----	YEAR 2032	-----					
-----	YEAR 2033	-----					
-----	YEAR 2034	-----					
-----	YEAR 2035	-----					
-----	YEAR 2036	-----					
-----	YEAR 2037	-----					
-----	YEAR 2038	-----					
-----	YEAR 2039	-----					
-----	YEAR 2040	-----					
	THERMAL UNIT		55	P	SPORN	1	5
	CAPACITY SEGMENTS					2	3
							4
-----	YEAR 2011	-----					
-----	UPPER SEG SPINNING RESERVE	-----	%		100.00	100.00	100.00
-----	YEAR 2012	-----					
-----	YEAR 2013	-----					
-----	YEAR 2014	-----					
-----	YEAR 2015	-----					
-----	YEAR 2016	-----					
-----	YEAR 2017	-----					
-----	YEAR 2018	-----					
-----	YEAR 2019	-----					
-----	YEAR 2020	-----					
-----	YEAR 2021	-----					
-----	YEAR 2022	-----					
-----	YEAR 2023	-----					
-----	YEAR 2024	-----					
-----	YEAR 2025	-----					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT, THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	55	P	SPOB	1	5	2	3	4
YEAR 2026								
YEAR 2027								
YEAR 2028								
YEAR 2029								
YEAR 2030								
YEAR 2031								
YEAR 2032								
YEAR 2033								
YEAR 2034								
YEAR 2035								
YEAR 2036								
YEAR 2037								
YEAR 2038								
YEAR 2039								
YEAR 2040								

THERMAL UNIT CAPACITY SEGMENTS	56	PIGWAY	1	5	2	3	4
YEAR 2011							
UPPER SEG SPINNING RESERVE	%		100.00		100.00		100.00
YEAR 2012							0.00
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

THERMAL UNIT CAPACITY SEGMENTS	57	RRPRT_IM	1	1	2	3	4
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

4-Company East Optimization

YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
UPPER SEG SPINNING RESERVE																													
\$	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THermal UNIT CAPACITY SEGMENTS	58	RRUN_IM	1	2	3	4
YEAR 2011						
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	100.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						
THermal UNIT CAPACITY SEGMENTS	59	ROCKP_IM	1	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	100.00
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						

YEAR	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040																
-----	YEAR 2027	-----	YEAR 2028	-----	YEAR 2029	-----	YEAR 2030	-----	YEAR 2031	-----	YEAR 2032	-----	YEAR 2033	-----	YEAR 2034	-----	YEAR 2035	-----	YEAR 2036	-----	YEAR 2037	-----	YEAR 2038	-----	YEAR 2039	-----	YEAR 2040	-----		
	61		STUART		1		1		2		3		4																	
-----	UPPER SEG SPINNING RESERVE		%		100.00		100.00		100.00		100.00		0.00																	
-----	YEAR 2011	-----	YEAR 2012	-----	YEAR 2013	-----	YEAR 2014	-----	YEAR 2015	-----	YEAR 2016	-----	YEAR 2017	-----	YEAR 2018	-----	YEAR 2019	-----	YEAR 2020	-----	YEAR 2021	-----	YEAR 2022	-----	YEAR 2023	-----	YEAR 2024	-----	YEAR 2025	-----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	61	STUART	1	2	3	4
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT CAPACITY SEGMENTS	62	STUART	1	2	3	4
YEAR 2011						
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	0.00	
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT CAPACITY SEGMENTS	63	STUART	1	3	2	3	4
YEAR 2040							

4-Company East Optimization

UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	0.00
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	64	STUART	1	4	2	3	4
YEAR 2011							
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00	
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
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YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

THERMAL UNIT
CAPACITY SEGMENTS 65 AMOS_AP 1 3 2 3 4

YEAR 2011							
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	100.00	
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	66	TANN 1-3 1	2	3	4
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					
THERMAL UNIT CAPACITY SEGMENTS	67	TANN 1-3 1	2	3	4
UPPER SEG SPINNING RESERVE	8	100.00	100.00	100.00	0.00
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
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YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT 68 TANN 1-3 3
CAPACITY SEGMENTS 1 2 3 4
1647

4-Company East Optimization

YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
UPPER SEG SPINNING RESERVE																													
%																													
100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
0.00																													

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THEMAL UNIT CAPACITY SEGMENTS	69	TANN 4	1	4	2	3	4
YEAR 2011							
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00	
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
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YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

THEMAL UNIT
CAPACITY SEGMENTS

70	ZIMMER	1	1	2	3	4
YEAR 2011						
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						

-----	YEAR 2027	-----					
-----	YEAR 2028	-----					
-----	YEAR 2029	-----					
-----	YEAR 2030	-----					
-----	YEAR 2031	-----					
-----	YEAR 2032	-----					
-----	YEAR 2033	-----					
-----	YEAR 2034	-----					
-----	YEAR 2035	-----					
-----	YEAR 2036	-----					
-----	YEAR 2037	-----					
-----	YEAR 2038	-----					
-----	YEAR 2039	-----					
-----	YEAR 2040	-----					
-----	YEAR 2041	-----					
-----	YEAR 2042	-----					
-----	YEAR 2043	-----					
-----	YEAR 2044	-----					
-----	YEAR 2045	-----					
-----	YEAR 2046	-----					
-----	YEAR 2047	-----					
-----	YEAR 2048	-----					
-----	YEAR 2049	-----					
-----	YEAR 2050	-----					
-----	YEAR 2051	-----					
-----	YEAR 2052	-----					
-----	YEAR 2053	-----					
-----	YEAR 2054	-----					
-----	YEAR 2055	-----					
-----	YEAR 2056	-----					
-----	YEAR 2057	-----					
-----	YEAR 2058	-----					
-----	YEAR 2059	-----					
-----	YEAR 2060	-----					
-----	YEAR 2061	-----					
-----	YEAR 2062	-----					
-----	YEAR 2063	-----					
-----	YEAR 2064	-----					
-----	YEAR 2065	-----					
-----	YEAR 2066	-----					
-----	YEAR 2067	-----					
-----	YEAR 2068	-----					
-----	YEAR 2069	-----					
-----	YEAR 2070	-----					
-----	YEAR 2071	-----					
-----	YEAR 2072	-----					
-----	YEAR 2073	-----					
-----	YEAR 2074	-----					
-----	YEAR 2075	-----					
-----	YEAR 2076	-----					
-----	YEAR 2077	-----					
-----	YEAR 2078	-----					
-----	YEAR 2079	-----					
-----	YEAR 2080	-----					
-----	YEAR 2081	-----					
-----	YEAR 2082	-----					
-----	YEAR 2083	-----					
-----	YEAR 2084	-----					
-----	YEAR 2085	-----					
-----	YEAR 2086	-----					
-----	YEAR 2087	-----					
-----	YEAR 2088	-----					
-----	YEAR 2089	-----					
-----	YEAR 2090	-----					
-----	YEAR 2091	-----					
-----	YEAR 2092	-----					
-----	YEAR 2093	-----					
-----	YEAR 2094	-----					
-----	YEAR 2095	-----					
-----	YEAR 2096	-----					
-----	YEAR 2097	-----					
-----	YEAR 2098	-----					
-----	YEAR 2099	-----					
-----	YEAR 2100	-----					
-----	YEAR 2101	-----					
-----	YEAR 2102	-----					
-----	YEAR 2103	-----					
-----	YEAR 2104	-----					
-----	YEAR 2105	-----					
-----	YEAR 2106	-----					
-----	YEAR 2107	-----					
-----	YEAR 2108	-----					
-----	YEAR 2109	-----					
-----	YEAR 2110	-----					
-----	YEAR 2111	-----					
-----	YEAR 2112	-----					
-----	YEAR 2113	-----					
-----	YEAR 2114	-----					
-----	YEAR 2115	-----					
-----	YEAR 2116	-----					
-----	YEAR 2117	-----					
-----	YEAR 2118	-----					
-----	YEAR 2119	-----					
-----	YEAR 2120	-----					
-----	YEAR 2121	-----					
-----	YEAR 2122	-----					
-----	YEAR 2123	-----					
-----	YEAR 2124	-----					
-----	YEAR 2125	-----					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

71	ROBTONE	1	2	3	4
THERMAL UNIT					
CAPACITY SEGMENTS					
---	YEAR 2026	---	---	---	---
---	YEAR 2027	---	---	---	---
---	YEAR 2028	---	---	---	---
---	YEAR 2029	---	---	---	---
---	YEAR 2030	---	---	---	---
---	YEAR 2031	---	---	---	---
---	YEAR 2032	---	---	---	---
---	YEAR 2033	---	---	---	---
---	YEAR 2034	---	---	---	---
---	YEAR 2035	---	---	---	---
---	YEAR 2036	---	---	---	---
---	YEAR 2037	---	---	---	---
---	YEAR 2038	---	---	---	---
---	YEAR 2039	---	---	---	---
---	YEAR 2040	---	---	---	---
THERMAL UNIT					
CAPACITY SEGMENTS					
72	ROBTONE	1	2	3	4
---	UPPER SEG SPINNING RESERVE	---	---	---	---
---	YEAR 2011	---	---	---	---
---	YEAR 2012	---	---	---	---
---	YEAR 2013	---	---	---	---
---	YEAR 2014	---	---	---	---
---	YEAR 2015	---	---	---	---
---	YEAR 2016	---	---	---	---
---	YEAR 2017	---	---	---	---
---	YEAR 2018	---	---	---	---
---	YEAR 2019	---	---	---	---
---	YEAR 2020	---	---	---	---
---	YEAR 2021	---	---	---	---
---	YEAR 2022	---	---	---	---
---	YEAR 2023	---	---	---	---
---	YEAR 2024	---	---	---	---
---	YEAR 2025	---	---	---	---
---	YEAR 2026	---	---	---	---
---	YEAR 2027	---	---	---	---
---	YEAR 2028	---	---	---	---
---	YEAR 2029	---	---	---	---
---	YEAR 2030	---	---	---	---
---	YEAR 2031	---	---	---	---
---	YEAR 2032	---	---	---	---
---	YEAR 2033	---	---	---	---
---	YEAR 2034	---	---	---	---
---	YEAR 2035	---	---	---	---
---	YEAR 2036	---	---	---	---
---	YEAR 2037	---	---	---	---
---	YEAR 2038	---	---	---	---
---	YEAR 2039	---	---	---	---
---	YEAR 2040	---	---	---	---

73	ROBTONE	1	2	3	4
THERMAL UNIT					
CAPACITY SEGMENTS					
---	YEAR 2040	---	---	---	---
---	YEAR 2039	---	---	---	---
---	YEAR 2038	---	---	---	---
---	YEAR 2037	---	---	---	---
---	YEAR 2036	---	---	---	---
---	YEAR 2035	---	---	---	---
---	YEAR 2034	---	---	---	---
---	YEAR 2033	---	---	---	---
---	YEAR 2032	---	---	---	---
---	YEAR 2031	---	---	---	---
---	YEAR 2030	---	---	---	---
---	YEAR 2029	---	---	---	---
---	YEAR 2028	---	---	---	---
---	YEAR 2027	---	---	---	---
---	YEAR 2026	---	---	---	---
---	YEAR 2025	---	---	---	---
---	YEAR 2024	---	---	---	---
---	YEAR 2023	---	---	---	---
---	YEAR 2022	---	---	---	---
---	YEAR 2021	---	---	---	---
---	YEAR 2020	---	---	---	---
---	YEAR 2019	---	---	---	---
---	YEAR 2018	---	---	---	---
---	YEAR 2017	---	---	---	---
---	YEAR 2016	---	---	---	---
---	YEAR 2015	---	---	---	---
---	YEAR 2014	---	---	---	---
---	YEAR 2013	---	---	---	---
---	YEAR 2012	---	---	---	---
---	YEAR 2011	---	---	---	---
---	UPPER SEG SPINNING RESERVE	---	---	---	---
---	YEAR 2011	---	---	---	---
---	YEAR 2012	---	---	---	---
---	YEAR 2013	---	---	---	---
---	YEAR 2014	---	---	---	---
---	YEAR 2015	---	---	---	---
---	YEAR 2016	---	---	---	---
---	YEAR 2017	---	---	---	---
---	YEAR 2018	---	---	---	---
---	YEAR 2019	---	---	---	---
---	YEAR 2020	---	---	---	---
---	YEAR 2021	---	---	---	---
---	YEAR 2022	---	---	---	---
---	YEAR 2023	---	---	---	---
---	YEAR 2024	---	---	---	---
---	YEAR 2025	---	---	---	---
---	YEAR 2026	---	---	---	---
---	YEAR 2027	---	---	---	---
---	YEAR 2028	---	---	---	---
---	YEAR 2029	---	---	---	---
---	YEAR 2030	---	---	---	---
---	YEAR 2031	---	---	---	---
---	YEAR 2032	---	---	---	---
---	YEAR 2033	---	---	---	---
---	YEAR 2034	---	---	---	---
---	YEAR 2035	---	---	---	---
---	YEAR 2036	---	---	---	---
---	YEAR 2037	---	---	---	---
---	YEAR 2038	---	---	---	---
---	YEAR 2039	---	---	---	---
---	YEAR 2040	---	---	---	---

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4-Company East Optimization

UPPER SEG SPINNING RESERVE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
	100.00	100.00	0.00	0.00																										

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL.UNIT.

THERMAL UNIT CAPACITY SEGMENTS	75	CEREDO	1	2	3	4
YEAR 2011						
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00	0.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT
CAPACITY SEGMENTS

THERMAL UNIT CAPACITY SEGMENTS	76	CEREDO	1	2	3	4
YEAR 2011						
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00	0.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						

-----	YEAR 2027	-----					
-----	YEAR 2028	-----					
-----	YEAR 2029	-----					
-----	YEAR 2030	-----					
-----	YEAR 2031	-----					
-----	YEAR 2032	-----					
-----	YEAR 2033	-----					
-----	YEAR 2034	-----					
-----	YEAR 2035	-----					
-----	YEAR 2036	-----					
-----	YEAR 2037	-----					
-----	YEAR 2038	-----					
-----	YEAR 2039	-----					
-----	YEAR 2040	-----					
	THERMAL UNIT		77	CEREDO			
	CAPACITY SEGMENTS			1	3		
-----	YEAR 2011	-----					
-----	UPPER SEG SPINNING RESERVE	-----	%	0.00	0.00	0.00	0.00
-----	YEAR 2012	-----					
-----	YEAR 2013	-----					
-----	YEAR 2014	-----					
-----	YEAR 2015	-----					
-----	YEAR 2016	-----					
-----	YEAR 2017	-----					
-----	YEAR 2018	-----					
-----	YEAR 2019	-----					
-----	YEAR 2020	-----					
-----	YEAR 2021	-----					
-----	YEAR 2022	-----					
-----	YEAR 2023	-----					
-----	YEAR 2024	-----					
-----	YEAR 2025	-----					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	77	CEREDO	1	3	2	3	4
YEAR 2026	---	---	---	---	---	---	---
YEAR 2027	---	---	---	---	---	---	---
YEAR 2028	---	---	---	---	---	---	---
YEAR 2029	---	---	---	---	---	---	---
YEAR 2030	---	---	---	---	---	---	---
YEAR 2031	---	---	---	---	---	---	---
YEAR 2032	---	---	---	---	---	---	---
YEAR 2033	---	---	---	---	---	---	---
YEAR 2034	---	---	---	---	---	---	---
YEAR 2035	---	---	---	---	---	---	---
YEAR 2036	---	---	---	---	---	---	---
YEAR 2037	---	---	---	---	---	---	---
YEAR 2038	---	---	---	---	---	---	---
YEAR 2039	---	---	---	---	---	---	---
YEAR 2040	---	---	---	---	---	---	---

THERMAL UNIT CAPACITY SEGMENTS	78	CEREDO	1	4	2	3	4
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00	0.00	0.00
YEAR 2011	---	---	---	---	---	---	---
YEAR 2012	---	---	---	---	---	---	---
YEAR 2013	---	---	---	---	---	---	---
YEAR 2014	---	---	---	---	---	---	---
YEAR 2015	---	---	---	---	---	---	---
YEAR 2016	---	---	---	---	---	---	---
YEAR 2017	---	---	---	---	---	---	---
YEAR 2018	---	---	---	---	---	---	---
YEAR 2019	---	---	---	---	---	---	---
YEAR 2020	---	---	---	---	---	---	---
YEAR 2021	---	---	---	---	---	---	---
YEAR 2022	---	---	---	---	---	---	---
YEAR 2023	---	---	---	---	---	---	---
YEAR 2024	---	---	---	---	---	---	---
YEAR 2025	---	---	---	---	---	---	---
YEAR 2026	---	---	---	---	---	---	---
YEAR 2027	---	---	---	---	---	---	---
YEAR 2028	---	---	---	---	---	---	---
YEAR 2029	---	---	---	---	---	---	---
YEAR 2030	---	---	---	---	---	---	---
YEAR 2031	---	---	---	---	---	---	---
YEAR 2032	---	---	---	---	---	---	---
YEAR 2033	---	---	---	---	---	---	---
YEAR 2034	---	---	---	---	---	---	---
YEAR 2035	---	---	---	---	---	---	---
YEAR 2036	---	---	---	---	---	---	---
YEAR 2037	---	---	---	---	---	---	---
YEAR 2038	---	---	---	---	---	---	---
YEAR 2039	---	---	---	---	---	---	---
YEAR 2040	---	---	---	---	---	---	---

THERMAL UNIT CAPACITY SEGMENTS	79	CEREDO	1	5	2	3	4
YEAR 2040	---	---	---	---	---	---	---

4-Company East Optimization

UPPER SEG SPINNING RESERVE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

80	CEREDO	1	6	2	3	4
-----	YEAR 2011	-----				
UPPER SEG SPINNING RESERVE		%	0.00	0.00	0.00	0.00
-----	YEAR 2012	-----				
-----	YEAR 2013	-----				
-----	YEAR 2014	-----				
-----	YEAR 2015	-----				
-----	YEAR 2016	-----				
-----	YEAR 2017	-----				
-----	YEAR 2018	-----				
-----	YEAR 2019	-----				
-----	YEAR 2020	-----				
-----	YEAR 2021	-----				
-----	YEAR 2022	-----				
-----	YEAR 2023	-----				
-----	YEAR 2024	-----				
-----	YEAR 2025	-----				
-----	YEAR 2026	-----				
-----	YEAR 2027	-----				
-----	YEAR 2028	-----				
-----	YEAR 2029	-----				
-----	YEAR 2030	-----				
-----	YEAR 2031	-----				
-----	YEAR 2032	-----				
-----	YEAR 2033	-----				
-----	YEAR 2034	-----				
-----	YEAR 2035	-----				
-----	YEAR 2036	-----				
-----	YEAR 2037	-----				
-----	YEAR 2038	-----				
-----	YEAR 2039	-----				
-----	YEAR 2040	-----				

81
THERMAL UNIT
CAPACITY SEGMENTS

81	DARBY	1	1	2	3	4
-----	YEAR 2011	-----				
UPPER SEG SPINNING RESERVE		%	0.00	0.00	0.00	0.00
-----	YEAR 2012	-----				
-----	YEAR 2013	-----				
-----	YEAR 2014	-----				
-----	YEAR 2015	-----				
-----	YEAR 2016	-----				
-----	YEAR 2017	-----				
-----	YEAR 2018	-----				
-----	YEAR 2019	-----				
-----	YEAR 2020	-----				
-----	YEAR 2021	-----				
-----	YEAR 2022	-----				
-----	YEAR 2023	-----				
-----	YEAR 2024	-----				
-----	YEAR 2025	-----				
-----	YEAR 2026	-----				

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAR.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	82	DARBY	1	2	3	4	
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							
THERMAL UNIT CAPACITY SEGMENTS	83	DARBY	1	3	2	3	4
UPPER SEG SPINNING RESERVE	%		0.00	0.00	0.00	0.00	0.00
YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							
THERMAL UNIT CAPACITY SEGMENTS	84	DARBY	1	4	2	3	4
UPPER SEG SPINNING RESERVE	%		0.00	0.00	0.00	0.00	0.00
YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

4-Company Past Optimization

UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00
YEAR 2011				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				
YEAR 2038				
YEAR 2039				
YEAR 2040				

NOTE: DATA DISPLAYED ABOVE 2011 ONLY. IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	85	DARBY	1	5	2	3	4
YEAR 2011							
UPPER SEG SPINNING RESERVE	%		0.00		0.00		0.00
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

THERMAL UNIT
CAPACITY SEGMENTS

THERMAL UNIT CAPACITY SEGMENTS	86	DARBY	1	6	2	3	4
YEAR 2011							
UPPER SEG SPINNING RESERVE	%		0.00		0.00		0.00
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							

YEAR	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040																
-----	YEAR 2027	-----	YEAR 2028	-----	YEAR 2029	-----	YEAR 2030	-----	YEAR 2031	-----	YEAR 2032	-----	YEAR 2033	-----	YEAR 2034	-----	YEAR 2035	-----	YEAR 2036	-----	YEAR 2037	-----	YEAR 2038	-----	YEAR 2039	-----	YEAR 2040	-----		
-----	87	-----	IMBG WIN	-----	1	-----	1	-----	2	-----	3	-----	4	-----	0.00	-----	0.00	-----	0.00	-----	0.00	-----	0.00	-----	0.00	-----	0.00	-----		
-----	UPPER SEG SPINNING RESERVE	-----	%	-----	0.00	-----	0.00	-----	0.00	-----	0.00	-----	0.00	-----	0.00	-----	0.00	-----	0.00	-----	0.00	-----	0.00	-----	0.00	-----	0.00	-----		
-----	YEAR 2011	-----	YEAR 2012	-----	YEAR 2013	-----	YEAR 2014	-----	YEAR 2015	-----	YEAR 2016	-----	YEAR 2017	-----	YEAR 2018	-----	YEAR 2019	-----	YEAR 2020	-----	YEAR 2021	-----	YEAR 2022	-----	YEAR 2023	-----	YEAR 2024	-----	YEAR 2025	-----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	87	LMBG WIN	1	2	3	4
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						
THERMAL UNIT CAPACITY SEGMENTS	88	LMBG WIN	1	2	3	4
UPPER SBG SPINNING RESERVE	%		0.00	0.00	0.00	0.00
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						
THERMAL UNIT CAPACITY SEGMENTS	89	LMBG SMR	1	2	3	4
UPPER SBG SPINNING RESERVE	%		0.00	0.00	0.00	0.00
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

4-Company East Optimization

YEAR	UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00
YEAR 2011	-----				
YEAR 2012	-----				
YEAR 2013	-----				
YEAR 2014	-----				
YEAR 2015	-----				
YEAR 2016	-----				
YEAR 2017	-----				
YEAR 2018	-----				
YEAR 2019	-----				
YEAR 2020	-----				
YEAR 2021	-----				
YEAR 2022	-----				
YEAR 2023	-----				
YEAR 2024	-----				
YEAR 2025	-----				
YEAR 2026	-----				
YEAR 2027	-----				
YEAR 2028	-----				
YEAR 2029	-----				
YEAR 2030	-----				
YEAR 2031	-----				
YEAR 2032	-----				
YEAR 2033	-----				
YEAR 2034	-----				
YEAR 2035	-----				
YEAR 2036	-----				
YEAR 2037	-----				
YEAR 2038	-----				
YEAR 2039	-----				
YEAR 2040	-----				

NOTE: DATA DISPLAYED AFTER 2011 ONLY. IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

90	1	2	3	4
-----	-----	-----	-----	-----
YEAR 2011	0.00	0.00	0.00	0.00
YEAR 2012	0.00	0.00	0.00	0.00
YEAR 2013	0.00	0.00	0.00	0.00
YEAR 2014	0.00	0.00	0.00	0.00
YEAR 2015	0.00	0.00	0.00	0.00
YEAR 2016	0.00	0.00	0.00	0.00
YEAR 2017	0.00	0.00	0.00	0.00
YEAR 2018	0.00	0.00	0.00	0.00
YEAR 2019	0.00	0.00	0.00	0.00
YEAR 2020	0.00	0.00	0.00	0.00
YEAR 2021	0.00	0.00	0.00	0.00
YEAR 2022	0.00	0.00	0.00	0.00
YEAR 2023	0.00	0.00	0.00	0.00
YEAR 2024	0.00	0.00	0.00	0.00
YEAR 2025	0.00	0.00	0.00	0.00
YEAR 2026	0.00	0.00	0.00	0.00
YEAR 2027	0.00	0.00	0.00	0.00
YEAR 2028	0.00	0.00	0.00	0.00
YEAR 2029	0.00	0.00	0.00	0.00
YEAR 2030	0.00	0.00	0.00	0.00
YEAR 2031	0.00	0.00	0.00	0.00
YEAR 2032	0.00	0.00	0.00	0.00
YEAR 2033	0.00	0.00	0.00	0.00
YEAR 2034	0.00	0.00	0.00	0.00
YEAR 2035	0.00	0.00	0.00	0.00
YEAR 2036	0.00	0.00	0.00	0.00
YEAR 2037	0.00	0.00	0.00	0.00
YEAR 2038	0.00	0.00	0.00	0.00
YEAR 2039	0.00	0.00	0.00	0.00
YEAR 2040	0.00	0.00	0.00	0.00

91 THERMAL UNIT
CAPACITY SEGMENTS

91	1	2	3	4
-----	-----	-----	-----	-----
YEAR 2011	0.00	0.00	0.00	0.00
YEAR 2012	0.00	0.00	0.00	0.00
YEAR 2013	0.00	0.00	0.00	0.00
YEAR 2014	0.00	0.00	0.00	0.00
YEAR 2015	0.00	0.00	0.00	0.00
YEAR 2016	0.00	0.00	0.00	0.00
YEAR 2017	0.00	0.00	0.00	0.00
YEAR 2018	0.00	0.00	0.00	0.00
YEAR 2019	0.00	0.00	0.00	0.00
YEAR 2020	0.00	0.00	0.00	0.00
YEAR 2021	0.00	0.00	0.00	0.00
YEAR 2022	0.00	0.00	0.00	0.00
YEAR 2023	0.00	0.00	0.00	0.00
YEAR 2024	0.00	0.00	0.00	0.00
YEAR 2025	0.00	0.00	0.00	0.00
YEAR 2026	0.00	0.00	0.00	0.00

YEAR	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
YEAR 2027	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2028	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2029	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2030	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2031	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2032	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2033	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2034	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2035	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2036	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2037	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2038	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2039	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
YEAR 2040	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
THERMAL UNIT CAPACITY SEGMENTS	92	WATR2	1	1	2	3	4							
UPPER SEG SPINNING RESERVE	%		0.00	0.00	0.00	0.00	0.00							
YEAR 2011	-----													
YEAR 2012	-----													
YEAR 2013	-----													
YEAR 2014	-----													
YEAR 2015	-----													
YEAR 2016	-----													
YEAR 2017	-----													
YEAR 2018	-----													
YEAR 2019	-----													
YEAR 2020	-----													
YEAR 2021	-----													
YEAR 2022	-----													
YEAR 2023	-----													
YEAR 2024	-----													
YEAR 2025	-----													

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	92	WATR2	1	2	3	4
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT CAPACITY SEGMENTS	93	DRESDDN	1	2	3	4
YEAR 2011						
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00	0.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT CAPACITY SEGMENTS	94	DRESDDN	1	2	3	4
YEAR 2040						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF_INPUT.THERMAL_UNIT.

THERMAL UNIT CAPACITY SEGMENTS	101	NUCLEAR	1	2	3	4
YEAR 2011						
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00	0.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT
CAPACITY SEGMENTS

THERMAL UNIT CAPACITY SEGMENTS	102	UPC_NCCS	1	2	3	4
YEAR 2011						
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00	0.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						

YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT	103	PC_UL_SU	1	1	
CAPACITY SEGMENTS					
YEAR 2011					
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THermal UNIT CAPACITY SEGMENTS	103	PC_UF_SU 1	2	3	4
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THermal UNIT CAPACITY SEGMENTS	104	UPC_RCCS 1	2	3	4
YEAR 2011					
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THermal UNIT CAPACITY SEGMENTS	105	IGC_NCCS 1	2	3	4
YEAR 2040					

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APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	106	IGCC GE	1	2	3	4
YEAR 2011						
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00	0.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT CAPACITY SEGMENTS 107 IGCC_RCCS 1 2 3 4

UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	108	CC 2X1PB	1	2	3	4
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT CAPACITY SEGMENTS	109	CC 2X1FA	1	2	3	4
YEAR 2011						
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00	0.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT CAPACITY SEGMENTS	110	CC 1X17H	1	2	3	4
YEAR 2040						

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4-Company East Optimization

UPPER SEG SPINNING RESERVE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS YEAR 2011 UPPER SEG SPINNING RESERVE YEAR 2012 YEAR 2013 YEAR 2014 YEAR 2015 YEAR 2016 YEAR 2017 YEAR 2018 YEAR 2019 YEAR 2020 YEAR 2021 YEAR 2022 YEAR 2023 YEAR 2024 YEAR 2025 YEAR 2026	111	BS2_CC	1	2	3	4
114						
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00	0.00
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						
THERMAL UNIT CAPACITY SEGMENTS	114	CT GETFA	1	2	3	4
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00	0.00
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	115	CT_GETEA 1	2	3	4
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT CAPACITY SEGMENTS	124	BS2_FGD 1	2	3	4
YEAR 2011					
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT CAPACITY SEGMENTS	125	BS1_FGD 1	1	2	3	4
YEAR 2040						

UPPER SEG SPINNING RESERVE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	126	CSV6_SCR 1	5	2	3	4
YEAR 2011						
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00	0.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
THERMAL UNIT CAPACITY SEGMENTS	127	CSV6_SCR 1	6	2	3	4
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00	0.00
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	129	CR1_NGCC 1	2	3	4
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT CAPACITY SEGMENTS	130	CR2_NGCC 1	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	0.00
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT CAPACITY SEGMENTS	131	MR5_NGCC 1	5	2	3	4
YEAR 2040						

4-Company East Optimization

UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	0.00
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

NOTE: DATA DISPLAYED AFTER 2011 ONLY, IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THEMAL UNIT CAPACITY SEGMENTS	132	MRS_FGD	1	5	2	3	4
YEAR 2011							
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00	
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							
THEMAL UNIT CAPACITY SEGMENTS	133	RP1D_IM	1	1	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	100.00	100.00
YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							

YEAR	2021	2022	2023	2024	2025
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					
THERMAL UNIT	134	RP2D_IM	1	2	
CAPACITY SEGMENTS					
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	134	RP2D_IM	1	2	3	4
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT CAPACITY SEGMENTS	135	TAN4_FGD	1	4	2	3	4
YEAR 2011							
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00	
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

THERMAL UNIT CAPACITY SEGMENTS	136	RP1D_KP	1	1	2	3	4
YEAR 2040							

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	137	RP2D_KP	1	2	3	4
YEAR 2011						
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	100.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT
CAPACITY SEGMENTS

144	TC4_ESP	1	4	2	3	4
YEAR 2011						
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						

-----	YEAR 2027	-----					
-----	YEAR 2028	-----					
-----	YEAR 2029	-----					
-----	YEAR 2030	-----					
-----	YEAR 2031	-----					
-----	YEAR 2032	-----					
-----	YEAR 2033	-----					
-----	YEAR 2034	-----					
-----	YEAR 2035	-----					
-----	YEAR 2036	-----					
-----	YEAR 2037	-----					
-----	YEAR 2038	-----					
-----	YEAR 2039	-----					
-----	YEAR 2040	-----					
THERMAL UNIT							
CAPACITY SEGMENTS							
	145	A390% AP	1	3			
-----	YEAR 2011	-----					
UPPER	SECT	SPINNING	RESERVE				
-----	YEAR 2012	-----	%	100.00	100.00	100.00	100.00
-----	YEAR 2013	-----					
-----	YEAR 2014	-----					
-----	YEAR 2015	-----					
-----	YEAR 2016	-----					
-----	YEAR 2017	-----					
-----	YEAR 2018	-----					
-----	YEAR 2019	-----					
-----	YEAR 2020	-----					
-----	YEAR 2021	-----					
-----	YEAR 2022	-----					
-----	YEAR 2023	-----					
-----	YEAR 2024	-----					
-----	YEAR 2025	-----					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	145	A390% AP	1	3	2	3	4
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							
THERMAL UNIT CAPACITY SEGMENTS	146	A390%OP	1	3	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	100.00	
YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

THERMAL UNIT CAPACITY SEGMENTS	147	MTN_90%	1	1	2	3	4
YEAR 2040							
THERMAL UNIT CAPACITY SEGMENTS	147	MTN_90%	1	1	2	3	4

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4-Company East Optimization

UPPER SEG SPINNING RESERVE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

THEMAL UNIT CAPACITY SEGMENTS	148	RPT1_90%	1	2	3	4
YEAR 2011						
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	100.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THEMAL UNIT
CAPACITY SEGMENTS

149 RPT2_90% 1 2 3 4

UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					

-----	YEAR 2027	-----					
-----	YEAR 2028	-----					
-----	YEAR 2029	-----					
-----	YEAR 2030	-----					
-----	YEAR 2031	-----					
-----	YEAR 2032	-----					
-----	YEAR 2033	-----					
-----	YEAR 2034	-----					
-----	YEAR 2035	-----					
-----	YEAR 2036	-----					
-----	YEAR 2037	-----					
-----	YEAR 2038	-----					
-----	YEAR 2039	-----					
-----	YEAR 2040	-----					
	THERMAL UNIT		150	GVL_90%	1	1	
	CAPACITY SEGMENTS						
-----	YEAR 2011	-----					
-----	UPPER SEG SPINNING RESERVE	-----	%				
-----	YEAR 2012	-----		100.00	1	1	
-----	YEAR 2013	-----					
-----	YEAR 2014	-----					
-----	YEAR 2015	-----					
-----	YEAR 2016	-----					
-----	YEAR 2017	-----					
-----	YEAR 2018	-----					
-----	YEAR 2019	-----					
-----	YEAR 2020	-----					
-----	YEAR 2021	-----					
-----	YEAR 2022	-----					
-----	YEAR 2023	-----					
-----	YEAR 2024	-----					
-----	YEAR 2025	-----					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THermal UNIT CAPACITY SEGMENTS	150	GV1_90%	1	2	3	4
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THermal UNIT CAPACITY SEGMENTS	151	GV2_90%	1	2	3	4
YEAR 2011						
UPPER SRG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THermal UNIT CAPACITY SEGMENTS	153	MTN_18%	1	1	2	3	4
YEAR 2040							

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4-Company East Optimization

YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
UPPER SBG SPINNING RESERVE																													
%																													
100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	154	CC_FR_KP 1	2	3	4
YEAR 2011					
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
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YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT
CAPACITY SEGMENTS

THERMAL UNIT CAPACITY SEGMENTS	155	CT_OHIO 1	2	3	4
YEAR 2011					
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	156	CC_OH	1	2	3	4
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT CAPACITY SEGMENTS	157	CT_I&M	1	2	3	4
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
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YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

UPPER SEG SPINNING RESERVE	%					
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
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YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT 158 CC_I&M 1 1 2 3 4
CAPACITY SEGMENTS 1699

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAR.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	159	CT_ARCO	1	2	3	4
YEAR 2011						
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00	0.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
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YEAR 2025						
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YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						
THERMAL UNIT CAPACITY SEGMENTS	160	CC_ARCO	1	2	3	4
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00	0.00
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						

-----	YEAR 2027	-----						
-----	YEAR 2028	-----						
-----	YEAR 2029	-----						
-----	YEAR 2030	-----						
-----	YEAR 2031	-----						
-----	YEAR 2032	-----						
-----	YEAR 2033	-----						
-----	YEAR 2034	-----						
-----	YEAR 2035	-----						
-----	YEAR 2036	-----						
-----	YEAR 2037	-----						
-----	YEAR 2038	-----						
-----	YEAR 2039	-----						
-----	YEAR 2040	-----						
-----	THERMAL UNIT	-----	161	CT_KPCO	1	1		
-----	CAPACITY SEGMENTS	-----						
-----	YEAR 2011	-----						
-----	UPPER SEG SPINNING RESERVE	-----	%					
-----	YEAR 2012	-----		0.00		0.00	0.00	0.00
-----	YEAR 2013	-----						
-----	YEAR 2014	-----						
-----	YEAR 2015	-----						
-----	YEAR 2016	-----						
-----	YEAR 2017	-----						
-----	YEAR 2018	-----						
-----	YEAR 2019	-----						
-----	YEAR 2020	-----						
-----	YEAR 2021	-----						
-----	YEAR 2022	-----						
-----	YEAR 2023	-----						
-----	YEAR 2024	-----						
-----	YEAR 2025	-----						

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	161	CC_KPCO	1	2	3	4
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT CAPACITY SEGMENTS	162	CC_KPCO	1	2	3	4
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
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YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
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YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT CAPACITY SEGMENTS	163	BS2_FGD	1	2	3	4
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
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YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

4-Company East Optimization

UPPER SEG SPINNING RESERVE	YEAR 2011	YEAR 2012	YEAR 2013	YEAR 2014	YEAR 2015	YEAR 2016	YEAR 2017	YEAR 2018	YEAR 2019	YEAR 2020	YEAR 2021	YEAR 2022	YEAR 2023	YEAR 2024	YEAR 2025	YEAR 2026	YEAR 2027	YEAR 2028	YEAR 2029	YEAR 2030	YEAR 2031	YEAR 2032	YEAR 2033	YEAR 2034	YEAR 2035	YEAR 2036	YEAR 2037	YEAR 2038	YEAR 2039	YEAR 2040
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	

NOTE: DATA DISPLAYED AFTER 2011 ONLY. IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	164	BS2 FGD 1	5	2	3	4
YEAR 2011						
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	100.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
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YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT
CAPACITY SEGMENTS

165

BS2 FGD 1 22

2

3

4

YEAR 2011	%	100.00	100.00	100.00	100.00
UPPER SEG SPINNING RESERVE					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	166	BS2 FGD 1 23	2	3	4
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT CAPACITY SEGMENTS	168	IGCC AP 1 1	2	3	4
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

UPPER SBG SPINNING RESERVE	%	0.00	0.00	0.00	0.00
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT CAPACITY SEGMENTS	169	PC_UL_AP 1 1	2	3	4
YEAR 2040					

1707

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THEMAL UNIT CAPACITY SEGMENTS	170	Nuke AP 1	2	3	4
YEAR 2011					
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THEMAL UNIT 171 ICOC IM 1 2 3 4
CAPACITY SEGMENTS

UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					

-----	YEAR 2027	-----							
-----	YEAR 2028	-----							
-----	YEAR 2029	-----							
-----	YEAR 2030	-----							
-----	YEAR 2031	-----							
-----	YEAR 2032	-----							
-----	YEAR 2033	-----							
-----	YEAR 2034	-----							
-----	YEAR 2035	-----							
-----	YEAR 2036	-----							
-----	YEAR 2037	-----							
-----	YEAR 2038	-----							
-----	YEAR 2039	-----							
-----	YEAR 2040	-----							
	THERMAL UNIT		172	PC_UL_TM	1	1			
	CAPACITY SEGMENTS								
-----	YEAR 2011	-----							
-----	UPPER SFG SPINNING RESERVE	-----	%		0.00	0.00	0.00	0.00	
-----	YEAR 2012	-----							
-----	YEAR 2013	-----							
-----	YEAR 2014	-----							
-----	YEAR 2015	-----							
-----	YEAR 2016	-----							
-----	YEAR 2017	-----							
-----	YEAR 2018	-----							
-----	YEAR 2019	-----							
-----	YEAR 2020	-----							
-----	YEAR 2021	-----							
-----	YEAR 2022	-----							
-----	YEAR 2023	-----							
-----	YEAR 2024	-----							
-----	YEAR 2025	-----							

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THermal UNIT CAPACITY SEGMENTS	172	PC_UL_IM 1	2	3	4
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					
THermal UNIT CAPACITY SEGMENTS	173	NUKE_IM 1	2	3	4
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THermal UNIT CAPACITY SEGMENTS	174	IGCC KP 1	2	3	4
YEAR 2040					

1711

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	175	PC_UL_KP 1	2	3	4
YEAR 2011					
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					
THERMAL UNIT CAPACITY SEGMENTS	176	NUKE_KP 1	2	3	4
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					

-----	YEAR 2027	-----					
-----	YEAR 2028	-----					
-----	YEAR 2029	-----					
-----	YEAR 2030	-----					
-----	YEAR 2031	-----					
-----	YEAR 2032	-----					
-----	YEAR 2033	-----					
-----	YEAR 2034	-----					
-----	YEAR 2035	-----					
-----	YEAR 2036	-----					
-----	YEAR 2037	-----					
-----	YEAR 2038	-----					
-----	YEAR 2039	-----					
-----	YEAR 2040	-----					

	THERMAL UNIT		177	IGCC OH	1	1	
	CAPACITY SEGMENTS						
-----	YEAR 2011	-----					
-----	UPPER SEG SPINNING RESERVE	-----	%				
-----	YEAR 2012	-----		0.00	1	1	
-----	YEAR 2013	-----					
-----	YEAR 2014	-----					
-----	YEAR 2015	-----					
-----	YEAR 2016	-----					
-----	YEAR 2017	-----					
-----	YEAR 2018	-----					
-----	YEAR 2019	-----					
-----	YEAR 2020	-----					
-----	YEAR 2021	-----					
-----	YEAR 2022	-----					
-----	YEAR 2023	-----					
-----	YEAR 2024	-----					
-----	YEAR 2025	-----					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	177	IGCC OH	1	2	3	4
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT CAPACITY SEGMENTS	178	PC_UL_OH	1	2	3	4
YEAR 2011						
UPPER SEG SPINNING RESERVE	%					
YEAR 2012		0.00		0.00	0.00	0.00
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
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YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT CAPACITY SEGMENTS	179	NUKE OH	1	2	3	4
YEAR 2040						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	181	RPID_03	1	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	100.00
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
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YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
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YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT
CAPACITY SEGMENTS

UPPER SEG SPINNING RESERVE	182	RPID_04	1	2	3	4
YEAR 2011	%	100.00	100.00	100.00	100.00	100.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
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YEAR 2026						

YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT	183	RPID_08	1	1	
CAPACITY SEGMENTS					
YEAR 2011					
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	183	RPID_08	1	2	3	4
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT CAPACITY SEGMENTS	184	RPID_20	1	2	3	4
YEAR 2011						
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
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YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT CAPACITY SEGMENTS	186	RPTR_IM	1	2	3	4
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
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YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT, THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	187	RP2TR_TM 1	2	3	4
YEAR 2011					
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
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YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					
THERMAL UNIT CAPACITY SEGMENTS	188	RP1TR_KP 1	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					

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-----	YEAR 2028	-----					
-----	YEAR 2029	-----					
-----	YEAR 2030	-----					
-----	YEAR 2031	-----					
-----	YEAR 2032	-----					
-----	YEAR 2033	-----					
-----	YEAR 2034	-----					
-----	YEAR 2035	-----					
-----	YEAR 2036	-----					
-----	YEAR 2037	-----					
-----	YEAR 2038	-----					
-----	YEAR 2039	-----					
-----	YEAR 2040	-----					
-----	THERMAL UNIT	-----	189	RP2TR	KP	1	2
-----	CAPACITY SEGMENTS	-----					
-----	YEAR 2011	-----					
-----	UPPER SEG SPINNING RESERVE	-----	%	100.00	100.00	100.00	100.00
-----	YEAR 2012	-----					
-----	YEAR 2013	-----					
-----	YEAR 2014	-----					
-----	YEAR 2015	-----					
-----	YEAR 2016	-----					
-----	YEAR 2017	-----					
-----	YEAR 2018	-----					
-----	YEAR 2019	-----					
-----	YEAR 2020	-----					
-----	YEAR 2021	-----					
-----	YEAR 2022	-----					
-----	YEAR 2023	-----					
-----	YEAR 2024	-----					
-----	YEAR 2025	-----					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	189	RP2TR_KP 1 2	2	3	4
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT CAPACITY SEGMENTS	190	T4_TRONA 1 4	2	3	4
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YEAR 2011					
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	0.00

YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
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YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT CAPACITY SEGMENTS	191	T4_TROCR 1 4	2	3	4
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4-Company East Optimization

YEAR 2011	8	100.00	100.00	100.00	0.00
OPPER SEG SPINNING RESERVE					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
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YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	223	MR_STKR1 1	2	3	4
YEAR 2011					
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
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YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					
THERMAL UNIT CAPACITY SEGMENTS	224	MR_STKR2 1	2	3	4
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					

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-----	YEAR 2028	-----					
-----	YEAR 2029	-----					
-----	YEAR 2030	-----					
-----	YEAR 2031	-----					
-----	YEAR 2032	-----					
-----	YEAR 2033	-----					
-----	YEAR 2034	-----					
-----	YEAR 2035	-----					
-----	YEAR 2036	-----					
-----	YEAR 2037	-----					
-----	YEAR 2038	-----					
-----	YEAR 2039	-----					
-----	YEAR 2040	-----					
-----	THERMAL UNIT	-----	228	AMG3_S1	1	3	
-----	CAPACITY SEGMENTS	-----					
-----	YEAR 2011	-----					
-----	UPPER SBG SPINNING RESERVE	-----	%	100.00	100.00	100.00	100.00
-----	YEAR 2012	-----					
-----	YEAR 2013	-----					
-----	YEAR 2014	-----					
-----	YEAR 2015	-----					
-----	YEAR 2016	-----					
-----	YEAR 2017	-----					
-----	YEAR 2018	-----					
-----	YEAR 2019	-----					
-----	YEAR 2020	-----					
-----	YEAR 2021	-----					
-----	YEAR 2022	-----					
-----	YEAR 2023	-----					
-----	YEAR 2024	-----					
-----	YEAR 2025	-----					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

THERMAL UNIT CAPACITY SEGMENTS	228	AMS3_SI	1	2	3	4
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT CAPACITY SEGMENTS	229	BS2_SI	1	2	3	4
YEAR 2011						
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	100.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
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YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT CAPACITY SEGMENTS	230	MRS_CF	1	5	2	3	4
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							

4-Company East Optimization

UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	0.00
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
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YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	231	MR5_SI	1	5	2	3	4
----- YEAR 2011 -----							
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	100.00	0.00
----- YEAR 2012 -----							
----- YEAR 2013 -----							
----- YEAR 2014 -----							
----- YEAR 2015 -----							
----- YEAR 2016 -----							
----- YEAR 2017 -----							
----- YEAR 2018 -----							
----- YEAR 2019 -----							
----- YEAR 2020 -----							
----- YEAR 2021 -----							
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----- YEAR 2036 -----							
----- YEAR 2037 -----							
----- YEAR 2038 -----							
----- YEAR 2039 -----							
----- YEAR 2040 -----							
THERMAL UNIT CAPACITY SEGMENTS	232	RPPL_CF	1	1	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	100.00	100.00
----- YEAR 2011 -----							
----- YEAR 2012 -----							
----- YEAR 2013 -----							
----- YEAR 2014 -----							
----- YEAR 2015 -----							
----- YEAR 2016 -----							
----- YEAR 2017 -----							
----- YEAR 2018 -----							
----- YEAR 2019 -----							
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----- YEAR 2021 -----							
----- YEAR 2022 -----							
----- YEAR 2023 -----							
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----- YEAR 2025 -----							
----- YEAR 2026 -----							

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-----	YEAR 2029	-----					
-----	YEAR 2030	-----					
-----	YEAR 2031	-----					
-----	YEAR 2032	-----					
-----	YEAR 2033	-----					
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-----	YEAR 2035	-----					
-----	YEAR 2036	-----					
-----	YEAR 2037	-----					
-----	YEAR 2038	-----					
-----	YEAR 2039	-----					
-----	YEAR 2040	-----					
	HERMAL UNIT		233	RPT2_CF	1	2	
	CAPACITY SEGMENTS				2	3	4
-----	YEAR 2011	-----					
UPPER	SEG SPINNING RESERVE		%	100.00	100.00	100.00	100.00
-----	YEAR 2012	-----					
-----	YEAR 2013	-----					
-----	YEAR 2014	-----					
-----	YEAR 2015	-----					
-----	YEAR 2016	-----					
-----	YEAR 2017	-----					
-----	YEAR 2018	-----					
-----	YEAR 2019	-----					
-----	YEAR 2020	-----					
-----	YEAR 2021	-----					
-----	YEAR 2022	-----					
-----	YEAR 2023	-----					
-----	YEAR 2024	-----					
-----	YEAR 2025	-----					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAR.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	233	RPT2_CF	1	2	3	4
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT CAPACITY SEGMENTS	234	RPT1_SI	1	2	3	4
YEAR 2011						
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
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YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT CAPACITY SEGMENTS	235	RPT2_SI	1	2	3	4
YEAR 2040						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	251	DC1_HPT	1	2	3	4
----- YEAR 2011 -----						
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	0.00	
----- YEAR 2012 -----						
----- YEAR 2013 -----						
----- YEAR 2014 -----						
----- YEAR 2015 -----						
----- YEAR 2016 -----						
----- YEAR 2017 -----						
----- YEAR 2018 -----						
----- YEAR 2019 -----						
----- YEAR 2020 -----						
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----- YEAR 2034 -----						
----- YEAR 2035 -----						
----- YEAR 2036 -----						
----- YEAR 2037 -----						
----- YEAR 2038 -----						
----- YEAR 2039 -----						
----- YEAR 2040 -----						
THERMAL UNIT CAPACITY SEGMENTS	252	DC1_IS	1	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	0.00	
----- YEAR 2011 -----						
----- YEAR 2012 -----						
----- YEAR 2013 -----						
----- YEAR 2014 -----						
----- YEAR 2015 -----						
----- YEAR 2016 -----						
----- YEAR 2017 -----						
----- YEAR 2018 -----						
----- YEAR 2019 -----						
----- YEAR 2020 -----						
----- YEAR 2021 -----						
----- YEAR 2022 -----						
----- YEAR 2023 -----						
----- YEAR 2024 -----						
----- YEAR 2025 -----						
----- YEAR 2026 -----						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT, THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	253	DC1_EFF	1	2	3	4
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT CAPACITY SEGMENTS	254	DC1_17	1	2	3	4
YEAR 2011						
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
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YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT CAPACITY SEGMENTS	255	DC1_3800	1	2	3	4
YEAR 2040						

YEAR 2011	8	100.00	100.00	100.00	0.00
UPPER SEG SPINNING RESERVE					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	257	DC2_HPT	1	2	3	4
----- YEAR 2011 -----						
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00
----- YEAR 2012 -----						
----- YEAR 2013 -----						
----- YEAR 2014 -----						
----- YEAR 2015 -----						
----- YEAR 2016 -----						
----- YEAR 2017 -----						
----- YEAR 2018 -----						
----- YEAR 2019 -----						
----- YEAR 2020 -----						
----- YEAR 2021 -----						
----- YEAR 2022 -----						
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----- YEAR 2024 -----						
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----- YEAR 2027 -----						
----- YEAR 2028 -----						
----- YEAR 2029 -----						
----- YEAR 2030 -----						
----- YEAR 2031 -----						
----- YEAR 2032 -----						
----- YEAR 2033 -----						
----- YEAR 2034 -----						
----- YEAR 2035 -----						
----- YEAR 2036 -----						
----- YEAR 2037 -----						
----- YEAR 2038 -----						
----- YEAR 2039 -----						
----- YEAR 2040 -----						
THERMAL UNIT	258	DC2_EFF	1	2	3	4
CAPACITY SEGMENTS						
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00
----- YEAR 2011 -----						
----- YEAR 2012 -----						
----- YEAR 2013 -----						
----- YEAR 2014 -----						
----- YEAR 2015 -----						
----- YEAR 2016 -----						
----- YEAR 2017 -----						
----- YEAR 2018 -----						
----- YEAR 2019 -----						
----- YEAR 2020 -----						
----- YEAR 2021 -----						
----- YEAR 2022 -----						
----- YEAR 2023 -----						
----- YEAR 2024 -----						
----- YEAR 2025 -----						
----- YEAR 2026 -----						

-----	YEAR 2027	-----					
-----	YEAR 2028	-----					
-----	YEAR 2029	-----					
-----	YEAR 2030	-----					
-----	YEAR 2031	-----					
-----	YEAR 2032	-----					
-----	YEAR 2033	-----					
-----	YEAR 2034	-----					
-----	YEAR 2035	-----					
-----	YEAR 2036	-----					
-----	YEAR 2037	-----					
-----	YEAR 2038	-----					
-----	YEAR 2039	-----					
-----	YEAR 2040	-----					
-----	THERMAL UNIT	-----	259	DC2_SPU	1	2	
-----	CAPACITY SEGMENTS	-----					
-----	YEAR 2011	-----					
-----	UPPER SEG SPINNING RESERVE	-----	%				
-----	YEAR 2012	-----		100.00	1	2	
-----	YEAR 2013	-----					
-----	YEAR 2014	-----					
-----	YEAR 2015	-----					
-----	YEAR 2016	-----					
-----	YEAR 2017	-----					
-----	YEAR 2018	-----					
-----	YEAR 2019	-----					
-----	YEAR 2020	-----					
-----	YEAR 2021	-----					
-----	YEAR 2022	-----					
-----	YEAR 2023	-----					
-----	YEAR 2024	-----					
-----	YEAR 2025	-----					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	259	DC2_SPU 1	2	3	4
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT
CAPACITY SEGMENTS 260 DC2_3800 1 2 3 4

UPPER SEG SPINNING RESERVE % 100.00 100.00 100.00 0.00

YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT
CAPACITY SEGMENTS 269 BIGSD_15 1 1 2 3 4

-----	YEAR 2027	-----					
-----	YEAR 2028	-----					
-----	YEAR 2029	-----					
-----	YEAR 2030	-----					
-----	YEAR 2031	-----					
-----	YEAR 2032	-----					
-----	YEAR 2033	-----					
-----	YEAR 2034	-----					
-----	YEAR 2035	-----					
-----	YEAR 2036	-----					
-----	YEAR 2037	-----					
-----	YEAR 2038	-----					
-----	YEAR 2039	-----					
-----	YEAR 2040	-----					
THERMAL UNIT							
CAPACITY SEGMENTS							
-----	YEAR 2011	-----	272	CLN_Q_15	1	1	
-----	UPPER SBG SPINNING RESERVE	-----	%	100.00	100.00	100.00	0.00
-----	YEAR 2012	-----					
-----	YEAR 2013	-----					
-----	YEAR 2014	-----					
-----	YEAR 2015	-----					
-----	YEAR 2016	-----					
-----	YEAR 2017	-----					
-----	YEAR 2018	-----					
-----	YEAR 2019	-----					
-----	YEAR 2020	-----					
-----	YEAR 2021	-----					
-----	YEAR 2022	-----					
-----	YEAR 2023	-----					
-----	YEAR 2024	-----					
-----	YEAR 2025	-----					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	272	CLN_Q_15 1	1	2	3	4
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT CAPACITY SEGMENTS	273	CLN_Q_HM 1	2	3	4
YEAR 2011					
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	0.00
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT CAPACITY SEGMENTS	274	CLN_Q_15 1	2	3	4
YEAR 2040					

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS YEAR 2011 YEAR 2012 YEAR 2013 YEAR 2014 YEAR 2015 YEAR 2016 YEAR 2017 YEAR 2018 YEAR 2019 YEAR 2020 YEAR 2021 YEAR 2022 YEAR 2023 YEAR 2024 YEAR 2025 YEAR 2026	275 %	CIN_Q_15 1	3 2	3 100.00	3 100.00	4 0.00
UPPER SEG SPINNING RESERVE		100.00	100.00	100.00		
THERMAL UNIT						
CAPACITY SEGMENTS						
UPPER SEG SPINNING RESERVE	276	CIN_Q_15	1	3	2	3
YEAR 2011		100.00	100.00	100.00		0.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	277	CVL_3_HM 1	3	2	3	4
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						
THERMAL UNIT CAPACITY SEGMENTS	278	CVL_3_10 1	3	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
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YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						
THERMAL UNIT CAPACITY SEGMENTS	279	GIN_5_HM 1	5	2	3	4
THERMAL UNIT CAPACITY SEGMENTS					1747	

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	280	GLN_5_15	1	5	2	3	4
YEAR 2011							
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	100.00	0.00
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
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YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							
THERMAL UNIT CAPACITY SEGMENTS	281	GLN_6_HM	1	6	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	100.00	0.00
YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							

-----	YEAR 2027	-----					
-----	YEAR 2028	-----					
-----	YEAR 2029	-----					
-----	YEAR 2030	-----					
-----	YEAR 2031	-----					
-----	YEAR 2032	-----					
-----	YEAR 2033	-----					
-----	YEAR 2034	-----					
-----	YEAR 2035	-----					
-----	YEAR 2036	-----					
-----	YEAR 2037	-----					
-----	YEAR 2038	-----					
-----	YEAR 2039	-----					
-----	YEAR 2040	-----					
THERMAL UNIT							
CAPACITY SEGMENTS							
-----	YEAR 2011	-----	282	GLN_6_15	1	6	
-----	UPPER SEG SPINNING RESERVE	-----	%	100.00	100.00	100.00	0.00
-----	YEAR 2012	-----					
-----	YEAR 2013	-----					
-----	YEAR 2014	-----					
-----	YEAR 2015	-----					
-----	YEAR 2016	-----					
-----	YEAR 2017	-----					
-----	YEAR 2018	-----					
-----	YEAR 2019	-----					
-----	YEAR 2020	-----					
-----	YEAR 2021	-----					
-----	YEAR 2022	-----					
-----	YEAR 2023	-----					
-----	YEAR 2024	-----					
-----	YEAR 2025	-----					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	282	GN_6_15	1	2	3	4
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						
THERMAL UNIT						
CAPACITY SEGMENTS						
YEAR 2011	283	KMR_F_HM	1	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
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YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						
THERMAL UNIT						
CAPACITY SEGMENTS						
YEAR 2011	284	KMR_F_GP	1	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
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YEAR 2030						
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YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	285	KMR_F_HM 1	2	3	4
YEAR 2011					
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	0.00
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
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YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					
THERMAL UNIT CAPACITY SEGMENTS	286	KMR_F_GP 1	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	0.00
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	287	KWR_F_HM 1	2	3	4	
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						
THERMAL UNIT CAPACITY SEGMENTS	288	KWR_F_GP 1	3	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	0.00	
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
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YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						
THERMAL UNIT CAPACITY SEGMENTS	289	KWA_1_HM 1	1	2	3	4

4-Company East Optimization

YEAR 2011	%	100.00	100.00	100.00	0.00
UPPER SEG SPINNING RESERVE					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
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YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

THERMAL UNIT CAPACITY SEGMENTS	290	KWA_1_15 1	2	3	4
YEAR 2011					
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	0.00
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					
THERMAL UNIT CAPACITY SEGMENTS	291	KWA_2_HM 1	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	0.00
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					

-----	YEAR 2027	-----					
-----	YEAR 2028	-----					
-----	YEAR 2029	-----					
-----	YEAR 2030	-----					
-----	YEAR 2031	-----					
-----	YEAR 2032	-----					
-----	YEAR 2033	-----					
-----	YEAR 2034	-----					
-----	YEAR 2035	-----					
-----	YEAR 2036	-----					
-----	YEAR 2037	-----					
-----	YEAR 2038	-----					
-----	YEAR 2039	-----					
-----	YEAR 2040	-----					
THERMAL UNIT							
CAPACITY SEGMENTS							
-----	YEAR 2011	-----	292	KVA_2_15	1	2	
-----	UPPER SEG SPINNING RESERVE	-----	%	100.00	1	2	
-----	YEAR 2012	-----		100.00	1	2	
-----	YEAR 2013	-----					
-----	YEAR 2014	-----					
-----	YEAR 2015	-----					
-----	YEAR 2016	-----					
-----	YEAR 2017	-----					
-----	YEAR 2018	-----					
-----	YEAR 2019	-----					
-----	YEAR 2020	-----					
-----	YEAR 2021	-----					
-----	YEAR 2022	-----					
-----	YEAR 2023	-----					
-----	YEAR 2024	-----					
-----	YEAR 2025	-----					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	292	KWA_2_15 1	2	2	3	4
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT CAPACITY SEGMENTS	293	MSKRL_RM 1	1	2	3	4
YEAR 2011						
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
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YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT CAPACITY SEGMENTS	294	MSKRL_12 1	1	2	3	4
YEAR 2040						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	295	MSKR2_HM	1	2	3	4
----- YEAR 2011 -----						
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	0.00	
----- YEAR 2012 -----						
----- YEAR 2013 -----						
----- YEAR 2014 -----						
----- YEAR 2015 -----						
----- YEAR 2016 -----						
----- YEAR 2017 -----						
----- YEAR 2018 -----						
----- YEAR 2019 -----						
----- YEAR 2020 -----						
----- YEAR 2021 -----						
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----- YEAR 2024 -----						
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----- YEAR 2029 -----						
----- YEAR 2030 -----						
----- YEAR 2031 -----						
----- YEAR 2032 -----						
----- YEAR 2033 -----						
----- YEAR 2034 -----						
----- YEAR 2035 -----						
----- YEAR 2036 -----						
----- YEAR 2037 -----						
----- YEAR 2038 -----						
----- YEAR 2039 -----						
----- YEAR 2040 -----						
THERMAL UNIT CAPACITY SEGMENTS	296	MSKR2_12	1	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	0.00	
----- YEAR 2011 -----						
----- YEAR 2012 -----						
----- YEAR 2013 -----						
----- YEAR 2014 -----						
----- YEAR 2015 -----						
----- YEAR 2016 -----						
----- YEAR 2017 -----						
----- YEAR 2018 -----						
----- YEAR 2019 -----						
----- YEAR 2020 -----						
----- YEAR 2021 -----						
----- YEAR 2022 -----						
----- YEAR 2023 -----						
----- YEAR 2024 -----						
----- YEAR 2025 -----						
----- YEAR 2026 -----						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	297	MSKR3_GP 1 3	2	3	4
----- YEAR 2026 -----					
----- YEAR 2027 -----					
----- YEAR 2028 -----					
----- YEAR 2029 -----					
----- YEAR 2030 -----					
----- YEAR 2031 -----					
----- YEAR 2032 -----					
----- YEAR 2033 -----					
----- YEAR 2034 -----					
----- YEAR 2035 -----					
----- YEAR 2036 -----					
----- YEAR 2037 -----					
----- YEAR 2038 -----					
----- YEAR 2039 -----					
----- YEAR 2040 -----					

THERMAL UNIT 298 MR3M_12 1 3 2 3 4
CAPACITY SEGMENTS

----- YEAR 2011 ----- % 100.00 100.00 100.00 0.00
UPPER SEG SPINNING RESERVE

----- YEAR 2012 -----

----- YEAR 2013 -----

----- YEAR 2014 -----

----- YEAR 2015 -----

----- YEAR 2016 -----

----- YEAR 2017 -----

----- YEAR 2018 -----

----- YEAR 2019 -----

----- YEAR 2020 -----

----- YEAR 2021 -----

----- YEAR 2022 -----

----- YEAR 2023 -----

----- YEAR 2024 -----

----- YEAR 2025 -----

----- YEAR 2026 -----

----- YEAR 2027 -----

----- YEAR 2028 -----

----- YEAR 2029 -----

----- YEAR 2030 -----

----- YEAR 2031 -----

----- YEAR 2032 -----

----- YEAR 2033 -----

----- YEAR 2034 -----

----- YEAR 2035 -----

----- YEAR 2036 -----

----- YEAR 2037 -----

----- YEAR 2038 -----

----- YEAR 2039 -----

----- YEAR 2040 -----

THERMAL UNIT 299 MSKR4_GP 1 4 2 3 4
CAPACITY SEGMENTS

YEAR 2011				
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
YEAR 2024				
YEAR 2025				
YEAR 2026				
YEAR 2027				
YEAR 2028				
YEAR 2029				
YEAR 2030				
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				
YEAR 2038				
YEAR 2039				
YEAR 2040				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	300	M4HM_12	1	2	3	4
YEAR 2011						
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
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YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						
THERMAL UNIT CAPACITY SEGMENTS	301	PLOWY_HW	1	5	2	3
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						

-----	YEAR 2027	-----					
-----	YEAR 2028	-----					
-----	YEAR 2029	-----					
-----	YEAR 2030	-----					
-----	YEAR 2031	-----					
-----	YEAR 2032	-----					
-----	YEAR 2033	-----					
-----	YEAR 2034	-----					
-----	YEAR 2035	-----					
-----	YEAR 2036	-----					
-----	YEAR 2037	-----					
-----	YEAR 2038	-----					
-----	YEAR 2039	-----					
-----	YEAR 2040	-----					
	THERMAL UNIT		302				
	CAPACITY SEGMENTS			PIGWY_GP			
				1	5		
				2			
				3			
				4			
-----	YEAR 2011	-----					
-----	UPPER SEG SPINNING RESERVE	-----	%	100.00	100.00	100.00	0.00
-----	YEAR 2012	-----					
-----	YEAR 2013	-----					
-----	YEAR 2014	-----					
-----	YEAR 2015	-----					
-----	YEAR 2016	-----					
-----	YEAR 2017	-----					
-----	YEAR 2018	-----					
-----	YEAR 2019	-----					
-----	YEAR 2020	-----					
-----	YEAR 2021	-----					
-----	YEAR 2022	-----					
-----	YEAR 2023	-----					
-----	YEAR 2024	-----					
-----	YEAR 2025	-----					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	302	PICWY_GP	1	2	3	4
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						
THERMAL UNIT						
CAPACITY SEGMENTS						
YEAR 2011	303	SPL_F_HM	1	1	3	4
UPPER SHG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						
THERMAL UNIT						
CAPACITY SEGMENTS						
YEAR 2011	304	SPL_F_15	1	1	2	3
UPPER SHG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	0.00
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
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YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	305	SP2_F_HM 1	2	3	4
YEAR 2011					
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	0.00
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
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YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					
THERMAL UNIT CAPACITY SEGMENTS	306	SP2_F_15 1	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	0.00
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					

-----	YEAR 2027	-----					
-----	YEAR 2028	-----					
-----	YEAR 2029	-----					
-----	YEAR 2030	-----					
-----	YEAR 2031	-----					
-----	YEAR 2032	-----					
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-----	YEAR 2034	-----					
-----	YEAR 2035	-----					
-----	YEAR 2036	-----					
-----	YEAR 2037	-----					
-----	YEAR 2038	-----					
-----	YEAR 2039	-----					
-----	YEAR 2040	-----					
	THERMAL UNIT		307				
	CAPACITY SEGMENTS			SP3_Q_HM			
				1	3		
-----	YEAR 2011	-----					
-----	UPPER SFG SPINNING RESERVE	-----	%	100.00	100.00	100.00	0.00
-----	YEAR 2012	-----					
-----	YEAR 2013	-----					
-----	YEAR 2014	-----					
-----	YEAR 2015	-----					
-----	YEAR 2016	-----					
-----	YEAR 2017	-----					
-----	YEAR 2018	-----					
-----	YEAR 2019	-----					
-----	YEAR 2020	-----					
-----	YEAR 2021	-----					
-----	YEAR 2022	-----					
-----	YEAR 2023	-----					
-----	YEAR 2024	-----					
-----	YEAR 2025	-----					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

THERMAL UNIT CAPACITY SEGMENTS	307	SP3_Q_HM 1 3	2	3	4
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT CAPACITY SEGMENTS	308	SP3_Q_15 1 3	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	0.00
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
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YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT CAPACITY SEGMENTS	309	SP4_Q_HM 1 4	2	3	4
YEAR 2040					

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT, THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	310	SP4_Q15	1	4	2	3	4
YEAR 2011							
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00	
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
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YEAR 2030							
YEAR 2031							
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YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							
THERMAL UNIT CAPACITY SEGMENTS	311	SP5_HM	1	5	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00	
YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							

-----	YEAR 2027	-----						
-----	YEAR 2028	-----						
-----	YEAR 2029	-----						
-----	YEAR 2030	-----						
-----	YEAR 2031	-----						
-----	YEAR 2032	-----						
-----	YEAR 2033	-----						
-----	YEAR 2034	-----						
-----	YEAR 2035	-----						
-----	YEAR 2036	-----						
-----	YEAR 2037	-----						
-----	YEAR 2038	-----						
-----	YEAR 2039	-----						
-----	YEAR 2040	-----						
-----	HEATMAL UNIT	-----	312	SP5_15	1	5		
-----	CAPACITY SEGMENTS	-----						
-----	YEAR 2011	-----						
-----	UPPER SEG SPINNING RESERVE	-----	%	100.00	100.00	100.00	100.00	0.00
-----	YEAR 2012	-----						
-----	YEAR 2013	-----						
-----	YEAR 2014	-----						
-----	YEAR 2015	-----						
-----	YEAR 2016	-----						
-----	YEAR 2017	-----						
-----	YEAR 2018	-----						
-----	YEAR 2019	-----						
-----	YEAR 2020	-----						
-----	YEAR 2021	-----						
-----	YEAR 2022	-----						
-----	YEAR 2023	-----						
-----	YEAR 2024	-----						
-----	YEAR 2025	-----						

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

REP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	312	SP5_15	1	5	2	3	4
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							
THERMAL UNIT CAPACITY SEGMENTS	313	TNR_F_HM	1	1	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00	
YEAR 2011							
YEAR 2012							
YEAR 2013							
YEAR 2014							
YEAR 2015							
YEAR 2016							
YEAR 2017							
YEAR 2018							
YEAR 2019							
YEAR 2020							
YEAR 2021							
YEAR 2022							
YEAR 2023							
YEAR 2024							
YEAR 2025							
YEAR 2026							
YEAR 2027							
YEAR 2028							
YEAR 2029							
YEAR 2030							
YEAR 2031							
YEAR 2032							
YEAR 2033							
YEAR 2034							
YEAR 2035							
YEAR 2036							
YEAR 2037							
YEAR 2038							
YEAR 2039							
YEAR 2040							
THERMAL UNIT CAPACITY SEGMENTS	314	TNR_F_15	1	1	2	3	4
THERMAL UNIT CAPACITY SEGMENTS							

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	315	TNR_F_15	1	2	3	4
YEAR 2011						
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
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YEAR 2027						
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YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						
THERMAL UNIT CAPACITY SEGMENTS	316	TNR_F_15	1	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	0.00
YEAR 2011						
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
YEAR 2023						
YEAR 2024						
YEAR 2025						
YEAR 2026						

YEAR	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-----	YEAR 2027	-----	YEAR 2028	-----	YEAR 2029	-----	YEAR 2030	-----	YEAR 2031	-----	YEAR 2032	-----	YEAR 2033	-----
-----	YEAR 2034	-----	YEAR 2035	-----	YEAR 2036	-----	YEAR 2037	-----	YEAR 2038	-----	YEAR 2039	-----	YEAR 2040	-----
-----	317	-----	TNR_F_HM	-----	1	-----	3	-----	2	-----	3	-----	4	-----
-----	UPPER SEG SPINNING RESERVE	-----	%	-----	100.00	-----	100.00	-----	100.00	-----	100.00	-----	0.00	-----
-----	YEAR 2011	-----	YEAR 2012	-----	YEAR 2013	-----	YEAR 2014	-----	YEAR 2015	-----	YEAR 2016	-----	YEAR 2017	-----
-----	YEAR 2018	-----	YEAR 2019	-----	YEAR 2020	-----	YEAR 2021	-----	YEAR 2022	-----	YEAR 2023	-----	YEAR 2024	-----
-----	YEAR 2025	-----	YEAR 2026	-----	YEAR 2027	-----	YEAR 2028	-----	YEAR 2029	-----	YEAR 2030	-----	YEAR 2031	-----

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

REP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	317	TNR_F_HM 1	3	2	3	4
YEAR 2026	---	---	---	---	---	---
YEAR 2027	---	---	---	---	---	---
YEAR 2028	---	---	---	---	---	---
YEAR 2029	---	---	---	---	---	---
YEAR 2030	---	---	---	---	---	---
YEAR 2031	---	---	---	---	---	---
YEAR 2032	---	---	---	---	---	---
YEAR 2033	---	---	---	---	---	---
YEAR 2034	---	---	---	---	---	---
YEAR 2035	---	---	---	---	---	---
YEAR 2036	---	---	---	---	---	---
YEAR 2037	---	---	---	---	---	---
YEAR 2038	---	---	---	---	---	---
YEAR 2039	---	---	---	---	---	---
YEAR 2040	---	---	---	---	---	---

THERMAL UNIT 318 TNR_F_15 1 3 2 3 4
CAPACITY SEGMENTS

UPPER SEG SPINNING RESERVE % 100.00 100.00 100.00 0.00

YEAR 2011	---	---	---	---	---	---
YEAR 2012	---	---	---	---	---	---
YEAR 2013	---	---	---	---	---	---
YEAR 2014	---	---	---	---	---	---
YEAR 2015	---	---	---	---	---	---
YEAR 2016	---	---	---	---	---	---
YEAR 2017	---	---	---	---	---	---
YEAR 2018	---	---	---	---	---	---
YEAR 2019	---	---	---	---	---	---
YEAR 2020	---	---	---	---	---	---
YEAR 2021	---	---	---	---	---	---
YEAR 2022	---	---	---	---	---	---
YEAR 2023	---	---	---	---	---	---
YEAR 2024	---	---	---	---	---	---
YEAR 2025	---	---	---	---	---	---
YEAR 2026	---	---	---	---	---	---
YEAR 2027	---	---	---	---	---	---
YEAR 2028	---	---	---	---	---	---
YEAR 2029	---	---	---	---	---	---
YEAR 2030	---	---	---	---	---	---
YEAR 2031	---	---	---	---	---	---
YEAR 2032	---	---	---	---	---	---
YEAR 2033	---	---	---	---	---	---
YEAR 2034	---	---	---	---	---	---
YEAR 2035	---	---	---	---	---	---
YEAR 2036	---	---	---	---	---	---
YEAR 2037	---	---	---	---	---	---
YEAR 2038	---	---	---	---	---	---
YEAR 2039	---	---	---	---	---	---
YEAR 2040	---	---	---	---	---	---

THERMAL UNIT 319 PW_GP_15 1 5 2 3 4
CAPACITY SEGMENTS

1779

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT, THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	320	RHILLS 1	1	2	3	4
----- YEAR 2011 -----						
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00	0.00
----- YEAR 2012 -----						
----- YEAR 2013 -----						
----- YEAR 2014 -----						
----- YEAR 2015 -----						
----- YEAR 2016 -----						
----- YEAR 2017 -----						
----- YEAR 2018 -----						
----- YEAR 2019 -----						
----- YEAR 2020 -----						
----- YEAR 2021 -----						
----- YEAR 2022 -----						
----- YEAR 2023 -----						
----- YEAR 2024 -----						
----- YEAR 2025 -----						
----- YEAR 2026 -----						
----- YEAR 2027 -----						
----- YEAR 2028 -----						
----- YEAR 2029 -----						
----- YEAR 2030 -----						
----- YEAR 2031 -----						
----- YEAR 2032 -----						
----- YEAR 2033 -----						
----- YEAR 2034 -----						
----- YEAR 2035 -----						
----- YEAR 2036 -----						
----- YEAR 2037 -----						
----- YEAR 2038 -----						
----- YEAR 2039 -----						
----- YEAR 2040 -----						
THERMAL UNIT CAPACITY SEGMENTS	364	1	0	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	100.00
----- YEAR 2011 -----						
----- YEAR 2012 -----						
----- YEAR 2013 -----						
----- YEAR 2014 -----						
----- YEAR 2015 -----						
----- YEAR 2016 -----						
----- YEAR 2017 -----						
----- YEAR 2018 -----						
----- YEAR 2019 -----						
----- YEAR 2020 -----						
----- YEAR 2021 -----						
----- YEAR 2022 -----						
----- YEAR 2023 -----						
----- YEAR 2024 -----						
----- YEAR 2025 -----						
----- YEAR 2026 -----						

-----	YEAR 2027	-----					
-----	YEAR 2028	-----					
-----	YEAR 2029	-----					
-----	YEAR 2030	-----					
-----	YEAR 2031	-----					
-----	YEAR 2032	-----					
-----	YEAR 2033	-----					
-----	YEAR 2034	-----					
-----	YEAR 2035	-----					
-----	YEAR 2036	-----					
-----	YEAR 2037	-----					
-----	YEAR 2038	-----					
-----	YEAR 2039	-----					
-----	YEAR 2040	-----					
-----	THERMAL UNIT	-----	500	DUMMY_OP	0		
-----	CAPACITY SEGMENTS	-----		1	0		
-----	YEAR 2011	-----					
-----	UPPER SEG SPINNING RESERVE	-----	%	0.00	0.00	0.00	0.00
-----	YEAR 2012	-----					
-----	YEAR 2013	-----					
-----	YEAR 2014	-----					
-----	YEAR 2015	-----					
-----	YEAR 2016	-----					
-----	YEAR 2017	-----					
-----	YEAR 2018	-----					
-----	YEAR 2019	-----					
-----	YEAR 2020	-----					
-----	YEAR 2021	-----					
-----	YEAR 2022	-----					
-----	YEAR 2023	-----					
-----	YEAR 2024	-----					
-----	YEAR 2025	-----					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	500	DUMMY_OP 1	0	2	3	4
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT CAPACITY SEGMENTS	501	DUMMY_IM 1	0	2	3	4
YEAR 2011						
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00	0.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
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YEAR 2030						
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YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT CAPACITY SEGMENTS	502	DUMMY_AP 1	0	2	3	4
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	503	DUMMY_KP	0	2	3	4
----- YEAR 2011 -----						
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00	0.00
----- YEAR 2012 -----						
----- YEAR 2013 -----						
----- YEAR 2014 -----						
----- YEAR 2015 -----						
----- YEAR 2016 -----						
----- YEAR 2017 -----						
----- YEAR 2018 -----						
----- YEAR 2019 -----						
----- YEAR 2020 -----						
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----- YEAR 2033 -----						
----- YEAR 2034 -----						
----- YEAR 2035 -----						
----- YEAR 2036 -----						
----- YEAR 2037 -----						
----- YEAR 2038 -----						
----- YEAR 2039 -----						
----- YEAR 2040 -----						
THERMAL UNIT	958	CC_KPCO	958			
CAPACITY SEGMENTS		1	2	3	4	
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00	
----- YEAR 2011 -----						
----- YEAR 2012 -----						
----- YEAR 2013 -----						
----- YEAR 2014 -----						
----- YEAR 2015 -----						
----- YEAR 2016 -----						
----- YEAR 2017 -----						
----- YEAR 2018 -----						
----- YEAR 2019 -----						
----- YEAR 2020 -----						
----- YEAR 2021 -----						
----- YEAR 2022 -----						
----- YEAR 2023 -----						
----- YEAR 2024 -----						
----- YEAR 2025 -----						
----- YEAR 2026 -----						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	959	RP2D_KP 1	2	3	4
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT CAPACITY SEGMENTS	960	RP2D_IM 1	2	3	4
YEAR 2011					
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
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YEAR 2028					
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YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT CAPACITY SEGMENTS	961	CSV6_SCR 1	2	3	4
YEAR 2040					

1787

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	962	CSV5_SCR 1	962	2	3	4
----- YEAR 2011 -----						
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00	0.00
----- YEAR 2012 -----						
----- YEAR 2013 -----						
----- YEAR 2014 -----						
----- YEAR 2015 -----						
----- YEAR 2016 -----						
----- YEAR 2017 -----						
----- YEAR 2018 -----						
----- YEAR 2019 -----						
----- YEAR 2020 -----						
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----- YEAR 2031 -----						
----- YEAR 2032 -----						
----- YEAR 2033 -----						
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----- YEAR 2035 -----						
----- YEAR 2036 -----						
----- YEAR 2037 -----						
----- YEAR 2038 -----						
----- YEAR 2039 -----						
----- YEAR 2040 -----						
THERMAL UNIT CAPACITY SEGMENTS	963	DUMMY_OP 1	963	2	3	4
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00	0.00
----- YEAR 2011 -----						
----- YEAR 2012 -----						
----- YEAR 2013 -----						
----- YEAR 2014 -----						
----- YEAR 2015 -----						
----- YEAR 2016 -----						
----- YEAR 2017 -----						
----- YEAR 2018 -----						
----- YEAR 2019 -----						
----- YEAR 2020 -----						
----- YEAR 2021 -----						
----- YEAR 2022 -----						
----- YEAR 2023 -----						
----- YEAR 2024 -----						
----- YEAR 2025 -----						
----- YEAR 2026 -----						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	964	DUMMY_OP 964	1	2	3	4
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT CAPACITY SEGMENTS	965	RPID_03 965	1	2	3	4
YEAR 2011						
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	100.00
YEAR 2012						
YEAR 2013						
YEAR 2014						
YEAR 2015						
YEAR 2016						
YEAR 2017						
YEAR 2018						
YEAR 2019						
YEAR 2020						
YEAR 2021						
YEAR 2022						
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YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT CAPACITY SEGMENTS	966	RPID_KP 966	1	2	3	4
YEAR 2040						

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT
QUALIFIER = GAF.INPUT, THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	967	BSZ FGD 1	2	3	4
----- YEAR 2011 -----					
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00
----- YEAR 2012 -----					
----- YEAR 2013 -----					
----- YEAR 2014 -----					
----- YEAR 2015 -----					
----- YEAR 2016 -----					
----- YEAR 2017 -----					
----- YEAR 2018 -----					
----- YEAR 2019 -----					
----- YEAR 2020 -----					
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----- YEAR 2030 -----					
----- YEAR 2031 -----					
----- YEAR 2032 -----					
----- YEAR 2033 -----					
----- YEAR 2034 -----					
----- YEAR 2035 -----					
----- YEAR 2036 -----					
----- YEAR 2037 -----					
----- YEAR 2038 -----					
----- YEAR 2039 -----					
----- YEAR 2040 -----					
THERMAL UNIT CAPACITY SEGMENTS	968	CR2_NGCC 1	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	0.00
----- YEAR 2011 -----					
----- YEAR 2012 -----					
----- YEAR 2013 -----					
----- YEAR 2014 -----					
----- YEAR 2015 -----					
----- YEAR 2016 -----					
----- YEAR 2017 -----					
----- YEAR 2018 -----					
----- YEAR 2019 -----					
----- YEAR 2020 -----					
----- YEAR 2021 -----					
----- YEAR 2022 -----					
----- YEAR 2023 -----					
----- YEAR 2024 -----					
----- YEAR 2025 -----					
----- YEAR 2026 -----					

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAP.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	969	CRI_NGCC 1	2	3	4
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					
THERMAL UNIT					
CAPACITY SEGMENTS					
YEAR 2011	970	MRS_NGCC 1	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	0.00
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
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YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					
THERMAL UNIT					
CAPACITY SEGMENTS					
YEAR 2011	971	DUMMX_OP 1	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	0.00
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
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YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

----- YEAR 2011 -----				
UPPER SEG SPINNING RESERVE				
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				
----- YEAR 2018 -----				
----- YEAR 2019 -----				
----- YEAR 2020 -----				
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----- YEAR 2031 -----				
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----- YEAR 2033 -----				
----- YEAR 2034 -----				
----- YEAR 2035 -----				
----- YEAR 2036 -----				
----- YEAR 2037 -----				
----- YEAR 2038 -----				
----- YEAR 2039 -----				
----- YEAR 2040 -----				

NOTE : DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	972	DUMMY_OP 1	2	3	4
----- YEAR 2011 -----					
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00
----- YEAR 2012 -----					
----- YEAR 2013 -----					
----- YEAR 2014 -----					
----- YEAR 2015 -----					
----- YEAR 2016 -----					
----- YEAR 2017 -----					
----- YEAR 2018 -----					
----- YEAR 2019 -----					
----- YEAR 2020 -----					
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----- YEAR 2030 -----					
----- YEAR 2031 -----					
----- YEAR 2032 -----					
----- YEAR 2033 -----					
----- YEAR 2034 -----					
----- YEAR 2035 -----					
----- YEAR 2036 -----					
----- YEAR 2037 -----					
----- YEAR 2038 -----					
----- YEAR 2039 -----					
----- YEAR 2040 -----					
THERMAL UNIT CAPACITY SEGMENTS	973	DUMMY_OP 1	2	3	4
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00
----- YEAR 2011 -----					
----- YEAR 2012 -----					
----- YEAR 2013 -----					
----- YEAR 2014 -----					
----- YEAR 2015 -----					
----- YEAR 2016 -----					
----- YEAR 2017 -----					
----- YEAR 2018 -----					
----- YEAR 2019 -----					
----- YEAR 2020 -----					
----- YEAR 2021 -----					
----- YEAR 2022 -----					
----- YEAR 2023 -----					
----- YEAR 2024 -----					
----- YEAR 2025 -----					
----- YEAR 2026 -----					

-----	YEAR 2027	-----					
-----	YEAR 2028	-----					
-----	YEAR 2029	-----					
-----	YEAR 2030	-----					
-----	YEAR 2031	-----					
-----	YEAR 2032	-----					
-----	YEAR 2033	-----					
-----	YEAR 2034	-----					
-----	YEAR 2035	-----					
-----	YEAR 2036	-----					
-----	YEAR 2037	-----					
-----	YEAR 2038	-----					
-----	YEAR 2039	-----					
-----	YEAR 2040	-----					
-----	-----	-----					
-----	YEAR 2011	-----	974				
-----	UPPER SEG SPINNING RESERVE	-----	%				
-----	YEAR 2012	-----		0.00			
-----	YEAR 2013	-----			0.00		
-----	YEAR 2014	-----				0.00	
-----	YEAR 2015	-----					0.00
-----	YEAR 2016	-----					
-----	YEAR 2017	-----					
-----	YEAR 2018	-----					
-----	YEAR 2019	-----					
-----	YEAR 2020	-----					
-----	YEAR 2021	-----					
-----	YEAR 2022	-----					
-----	YEAR 2023	-----					
-----	YEAR 2024	-----					
-----	YEAR 2025	-----					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	974	DUMMY_OP 1	2	3	4
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					
THERMAL UNIT CAPACITY SEGMENTS	975	DUMMY_OP 1	2	3	4
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
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YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					
THERMAL UNIT CAPACITY SEGMENTS	976	DUMMY_OP 1	2	3	4
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00

-----	YEAR 2027	-----					
-----	YEAR 2028	-----					
-----	YEAR 2029	-----					
-----	YEAR 2030	-----					
-----	YEAR 2031	-----					
-----	YEAR 2032	-----					
-----	YEAR 2033	-----					
-----	YEAR 2034	-----					
-----	YEAR 2035	-----					
-----	YEAR 2036	-----					
-----	YEAR 2037	-----					
-----	YEAR 2038	-----					
-----	YEAR 2039	-----					
-----	YEAR 2040	-----					
-----	THERMAL UNIT	979	DOWMY_OP	1	2	3	4
-----	CAPACITY SEGMENTS						
-----	YEAR 2011	%	0.00	0.00	0.00	0.00	
-----	UPPER SEG SPINNING RESERVE						
-----	YEAR 2012						
-----	YEAR 2013						
-----	YEAR 2014						
-----	YEAR 2015						
-----	YEAR 2016						
-----	YEAR 2017						
-----	YEAR 2018						
-----	YEAR 2019						
-----	YEAR 2020						
-----	YEAR 2021						
-----	YEAR 2022						
-----	YEAR 2023						
-----	YEAR 2024						
-----	YEAR 2025						

NOTE : DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	979	DUMMY_OP 1	2	3	4
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT
CAPACITY SEGMENTS 980 DUMMY_OP 980

UPPER SEG SPINNING RESERVE % 0.00 0.00 0.00 0.00

YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT 981 DUMMY_OP 981

CAPACITY SEGMENTS 1 2 3 4 1803

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	982	DUMMY_OP 1	2	3	4
YEAR 2011					
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					
THERMAL UNIT CAPACITY SEGMENTS	983	DUMMY_OP 1	2	3	4
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00
YEAR 2011					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL.UNIT.

THERMAL UNIT CAPACITY SEGMENTS	984	DUMMY_OP 1	2	3	4
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT CAPACITY SEGMENTS	985	DUMMY_OP 1	2	3	4
YEAR 2011					
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT CAPACITY SEGMENTS	986	DUMMY_OP 1	2	3	4
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

YEAR 2011	8	0.00	0.00	0.00
OPPER SEG SPINNING RESERVE				
YEAR 2012				
YEAR 2013				
YEAR 2014				
YEAR 2015				
YEAR 2016				
YEAR 2017				
YEAR 2018				
YEAR 2019				
YEAR 2020				
YEAR 2021				
YEAR 2022				
YEAR 2023				
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YEAR 2030				
YEAR 2031				
YEAR 2032				
YEAR 2033				
YEAR 2034				
YEAR 2035				
YEAR 2036				
YEAR 2037				
YEAR 2038				
YEAR 2039				
YEAR 2040				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

AEP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT
QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	987	DUMMY_OP	987	1	2	3	4
----- YEAR 2011 -----							
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00	0.00	0.00
----- YEAR 2012 -----							
----- YEAR 2013 -----							
----- YEAR 2014 -----							
----- YEAR 2015 -----							
----- YEAR 2016 -----							
----- YEAR 2017 -----							
----- YEAR 2018 -----							
----- YEAR 2019 -----							
----- YEAR 2020 -----							
----- YEAR 2021 -----							
----- YEAR 2022 -----							
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----- YEAR 2024 -----							
----- YEAR 2025 -----							
----- YEAR 2026 -----							
----- YEAR 2032 -----							
----- YEAR 2033 -----							
----- YEAR 2034 -----							
----- YEAR 2035 -----							
----- YEAR 2036 -----							
----- YEAR 2037 -----							
----- YEAR 2038 -----							
----- YEAR 2039 -----							
----- YEAR 2040 -----							
THERMAL UNIT CAPACITY SEGMENTS	988	DUMMY_OP	988	1	2	3	4
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00	0.00	0.00
----- YEAR 2011 -----							
----- YEAR 2012 -----							
----- YEAR 2013 -----							
----- YEAR 2014 -----							
----- YEAR 2015 -----							
----- YEAR 2016 -----							
----- YEAR 2017 -----							
----- YEAR 2018 -----							
----- YEAR 2019 -----							
----- YEAR 2020 -----							
----- YEAR 2021 -----							
----- YEAR 2022 -----							
----- YEAR 2023 -----							
----- YEAR 2024 -----							
----- YEAR 2025 -----							
----- YEAR 2026 -----							

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	989	DUMMY_OP 1	2	3	4
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT CAPACITY SEGMENTS	990	DUMMY_OP 1	2	3	4
YEAR 2011					
UPPER SBG SPINNING RESERVE	%	0.00	0.00	0.00	0.00
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT CAPACITY SEGMENTS	991	DUMMY_OP 1	2	3	4
YEAR 2040					

4-Company East Optimization

UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00
----- YEAR 2011 -----				
----- YEAR 2012 -----				
----- YEAR 2013 -----				
----- YEAR 2014 -----				
----- YEAR 2015 -----				
----- YEAR 2016 -----				
----- YEAR 2017 -----				
----- YEAR 2018 -----				
----- YEAR 2019 -----				
----- YEAR 2020 -----				
----- YEAR 2021 -----				
----- YEAR 2022 -----				
----- YEAR 2023 -----				
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----- YEAR 2027 -----				
----- YEAR 2028 -----				
----- YEAR 2029 -----				
----- YEAR 2030 -----				
----- YEAR 2031 -----				
----- YEAR 2032 -----				
----- YEAR 2033 -----				
----- YEAR 2034 -----				
----- YEAR 2035 -----				
----- YEAR 2036 -----				
----- YEAR 2037 -----				
----- YEAR 2038 -----				
----- YEAR 2039 -----				
----- YEAR 2040 -----				

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
 VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	992	DUMMY_OP 1	2	3	4
----- YEAR 2011 -----					
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00
----- YEAR 2012 -----					
----- YEAR 2013 -----					
----- YEAR 2014 -----					
----- YEAR 2015 -----					
----- YEAR 2016 -----					
----- YEAR 2017 -----					
----- YEAR 2018 -----					
----- YEAR 2019 -----					
----- YEAR 2020 -----					
----- YEAR 2021 -----					
----- YEAR 2022 -----					
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----- YEAR 2028 -----					
----- YEAR 2029 -----					
----- YEAR 2030 -----					
----- YEAR 2031 -----					
----- YEAR 2032 -----					
----- YEAR 2033 -----					
----- YEAR 2034 -----					
----- YEAR 2035 -----					
----- YEAR 2036 -----					
----- YEAR 2037 -----					
----- YEAR 2038 -----					
----- YEAR 2039 -----					
----- YEAR 2040 -----					
THERMAL UNIT CAPACITY SEGMENTS	993	DUMMY_OP 1	2	3	4
UPPER SEG SPINNING RESERVE	%	0.00	0.00	0.00	0.00
----- YEAR 2011 -----					
----- YEAR 2012 -----					
----- YEAR 2013 -----					
----- YEAR 2014 -----					
----- YEAR 2015 -----					
----- YEAR 2016 -----					
----- YEAR 2017 -----					
----- YEAR 2018 -----					
----- YEAR 2019 -----					
----- YEAR 2020 -----					
----- YEAR 2021 -----					
----- YEAR 2022 -----					
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-----	YEAR 2028	-----					
-----	YEAR 2029	-----					
-----	YEAR 2030	-----					
-----	YEAR 2031	-----					
-----	YEAR 2032	-----					
-----	YEAR 2033	-----					
-----	YEAR 2034	-----					
-----	YEAR 2035	-----					
-----	YEAR 2036	-----					
-----	YEAR 2037	-----					
-----	YEAR 2038	-----					
-----	YEAR 2039	-----					
-----	YEAR 2040	-----					
THERMAL UNIT							
CAPACITY SEGMENTS							
-----	YEAR 2011	-----	994	DUMMY_OP	994		
-----	UPPER SBG SPINNING RESERVE	-----	%	1			
-----	YEAR 2012	-----		0.00	2		
-----	YEAR 2013	-----		0.00	3		
-----	YEAR 2014	-----		0.00	4		
-----	YEAR 2015	-----					
-----	YEAR 2016	-----					
-----	YEAR 2017	-----					
-----	YEAR 2018	-----					
-----	YEAR 2019	-----					
-----	YEAR 2020	-----					
-----	YEAR 2021	-----					
-----	YEAR 2022	-----					
-----	YEAR 2023	-----					
-----	YEAR 2024	-----					
-----	YEAR 2025	-----					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

ABP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	994	DUMMY_OP 994	1	2	3	4
YEAR 2026						
YEAR 2027						
YEAR 2028						
YEAR 2029						
YEAR 2030						
YEAR 2031						
YEAR 2032						
YEAR 2033						
YEAR 2034						
YEAR 2035						
YEAR 2036						
YEAR 2037						
YEAR 2038						
YEAR 2039						
YEAR 2040						

THERMAL UNIT
CAPACITY SEGMENTS

995	DUMMY_OP 995	1	2	3	4
YEAR 2011					
UPPER SBG SPINNING RESERVE	%	0.00	0.00	0.00	0.00
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
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YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

THERMAL UNIT
CAPACITY SEGMENTS

996	T4_TRONA 996	1	2	3	4
YEAR 2040					

YEAR 2011	%	100.00	100.00	100.00	0.00
UPPER SEG SPINNING RESERVE					
YEAR 2012					
YEAR 2013					
YEAR 2014					
YEAR 2015					
YEAR 2016					
YEAR 2017					
YEAR 2018					
YEAR 2019					
YEAR 2020					
YEAR 2021					
YEAR 2022					
YEAR 2023					
YEAR 2024					
YEAR 2025					
YEAR 2026					
YEAR 2027					
YEAR 2028					
YEAR 2029					
YEAR 2030					
YEAR 2031					
YEAR 2032					
YEAR 2033					
YEAR 2034					
YEAR 2035					
YEAR 2036					
YEAR 2037					
YEAR 2038					
YEAR 2039					
YEAR 2040					

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT.THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	997	RP2TR_KP 997	1	2	3	4
----- YEAR 2011 -----						
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	100.00
----- YEAR 2012 -----						
----- YEAR 2013 -----						
----- YEAR 2014 -----						
----- YEAR 2015 -----						
----- YEAR 2016 -----						
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----- YEAR 2020 -----						
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----- YEAR 2031 -----						
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----- YEAR 2035 -----						
----- YEAR 2036 -----						
----- YEAR 2037 -----						
----- YEAR 2038 -----						
----- YEAR 2039 -----						
----- YEAR 2040 -----						
THERMAL UNIT CAPACITY SEGMENTS	998	RP2TR_IM 998	1	2	3	4
UPPER SEG SPINNING RESERVE	%	100.00	100.00	100.00	100.00	100.00
----- YEAR 2011 -----						
----- YEAR 2012 -----						
----- YEAR 2013 -----						
----- YEAR 2014 -----						
----- YEAR 2015 -----						
----- YEAR 2016 -----						
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----- YEAR 2018 -----						
----- YEAR 2019 -----						
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----- YEAR 2021 -----						
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----- YEAR 2023 -----						
----- YEAR 2024 -----						
----- YEAR 2025 -----						
----- YEAR 2026 -----						

-----	YEAR 2027	-----	999	-----	999	-----	2	-----	3	-----	4
-----	YEAR 2028	-----									
-----	YEAR 2029	-----									
-----	YEAR 2030	-----									
-----	YEAR 2031	-----									
-----	YEAR 2032	-----									
-----	YEAR 2033	-----									
-----	YEAR 2034	-----									
-----	YEAR 2035	-----									
-----	YEAR 2036	-----									
-----	YEAR 2037	-----									
-----	YEAR 2038	-----									
-----	YEAR 2039	-----									
-----	YEAR 2040	-----									
-----	-----	-----	999	-----	999	-----	2	-----	3	-----	4
-----	UPPER SEG SPINNING RESERVE	-----	%				0.00		0.00		0.00
-----	YEAR 2011	-----									
-----	YEAR 2012	-----									
-----	YEAR 2013	-----									
-----	YEAR 2014	-----									
-----	YEAR 2015	-----									
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-----	YEAR 2025	-----									

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

APP EAST
GENERATION AND FUEL MODULE
INPUT SUMMARY REPORT

QUALIFIER = GAF.INPUT, THERMAL UNIT.

THERMAL UNIT CAPACITY SEGMENTS	999	DUMMY_OP	1	2	3	4
----- YEAR 2026 -----						
----- YEAR 2027 -----						
----- YEAR 2028 -----						
----- YEAR 2029 -----						
----- YEAR 2030 -----						
----- YEAR 2031 -----						
----- YEAR 2032 -----						
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----- YEAR 2039 -----						
----- YEAR 2040 -----						

NOTE: DATA DISPLAYED AFTER 2011 ONLY IF
VALUE CHANGED FROM PREVIOUS YEAR.

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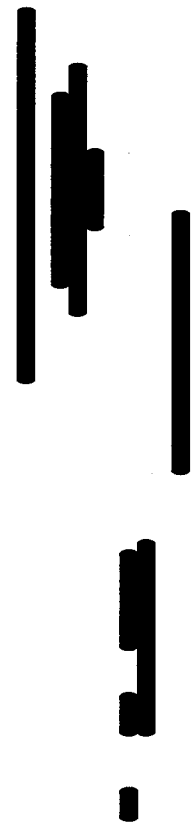
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0.00	2.6	0.00	2.4	0.00	2.6	2.4	0.00	2.6	2.4	0.00	2.6	2.4
0.00	2.6	0.00	2.4	0.00	2.6	2.4	0.00	2.6	2.4	0.00	2.6	2.4
0.00	2.6	0.00	2.4	0.00	2.6	2.4	0.00	2.6	2.4	0.00	2.6	2.4
0.00	2.6	0.00	2.4	0.00	2.6	2.4	0.00	2.6	2.4	0.00	2.6	2.4
0.00	2.6	0.00	2.4	0.00	2.6	2.4	0.00	2.6	2.4	0.00	2.6	2.4
0.00	2.6	0.00	2.4	0.00	2.6	2.4	0.00	2.6	2.4	0.00	2.6	2.4
0.00	2.6	0.00	2.4	0.00	2.6	2.4	0.00	2.6	2.4	0.00	2.6	2.4



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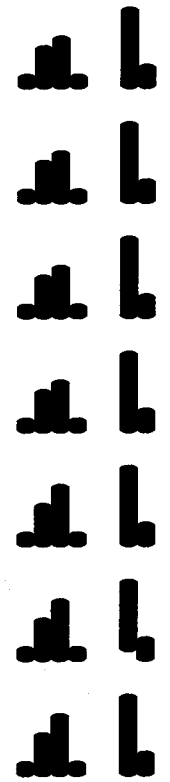
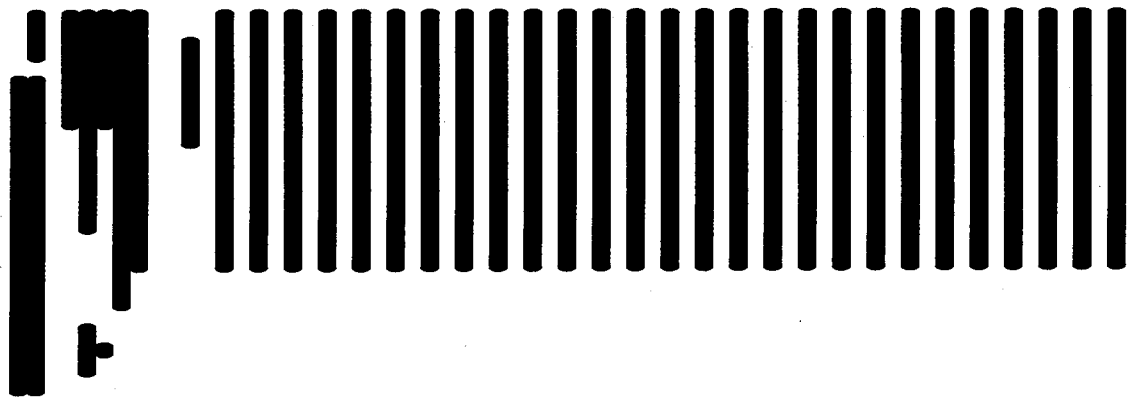
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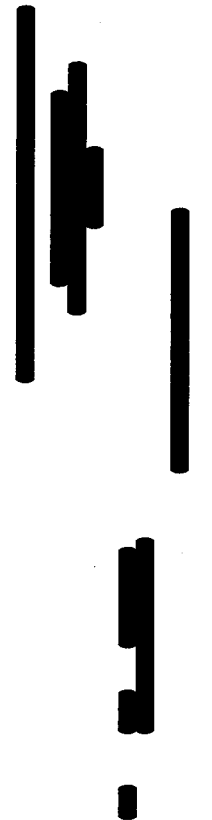
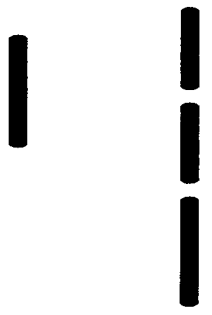
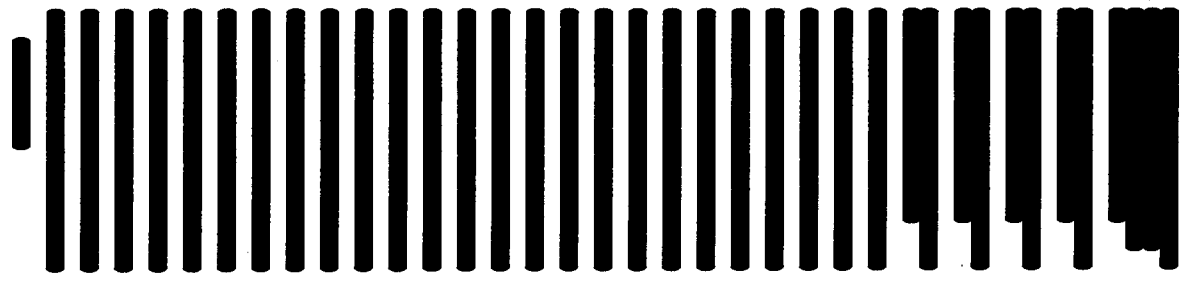
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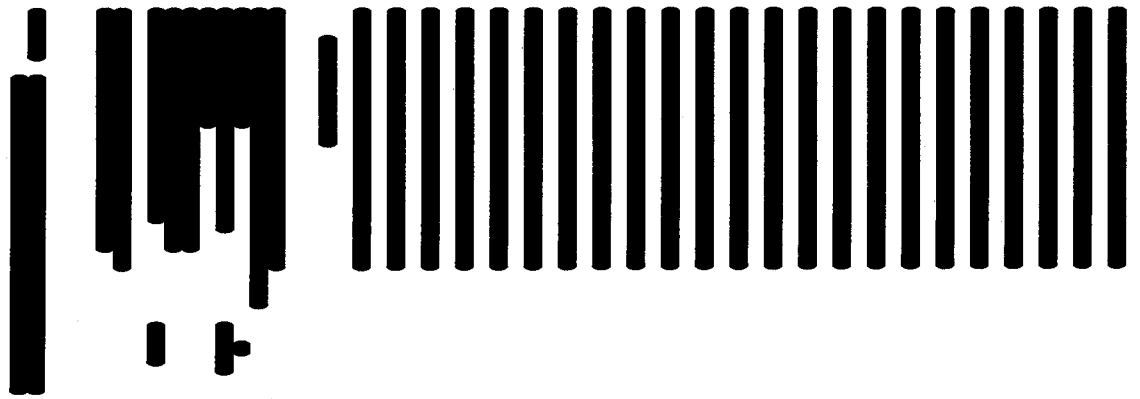
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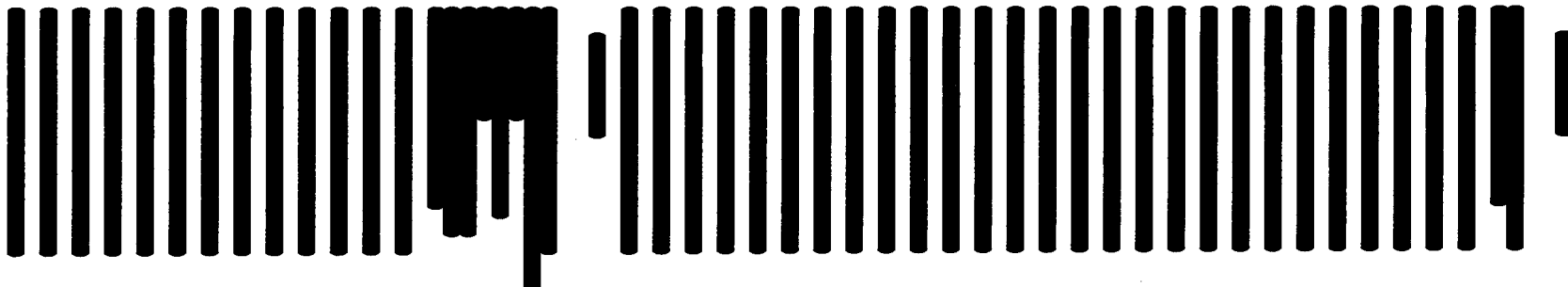






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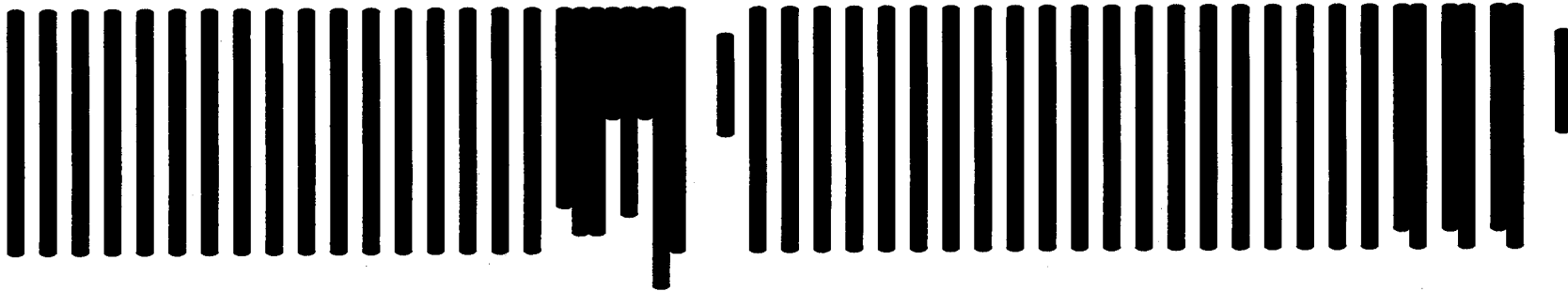
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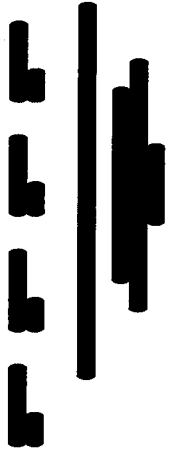
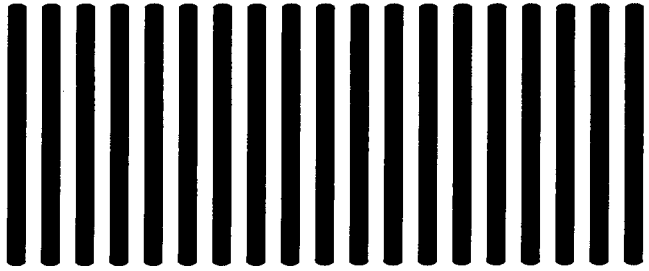
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NOTE: DATA DISPLAYED AFTER 2011 ONLY. IT
MAY BE CHANGED FROM PREVIOUS YEARS.

Handwritten text at the top of the page, consisting of three groups of characters separated by vertical bars. The characters are stylized and appear to be a form of shorthand or a specific dialect of a script.

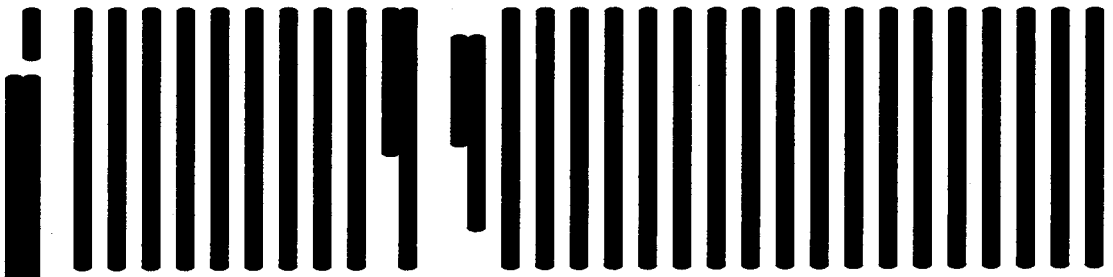
Main body of handwritten text, organized into a grid-like structure. It consists of three columns of characters, with vertical bars separating the columns. Each character is formed by a dot and a short vertical stroke, creating a rhythmic pattern of marks.

A single vertical bar on the right side of the page, possibly serving as a section separator or a decorative element.

4-Company Case Optimization

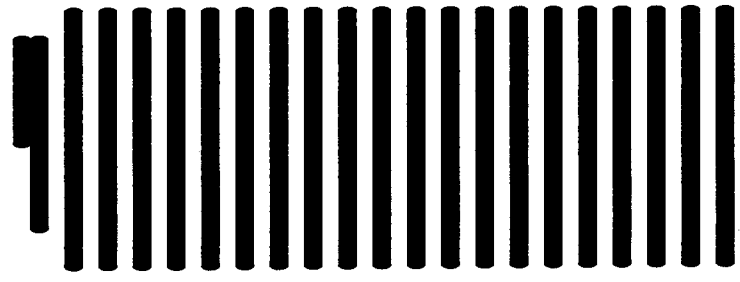
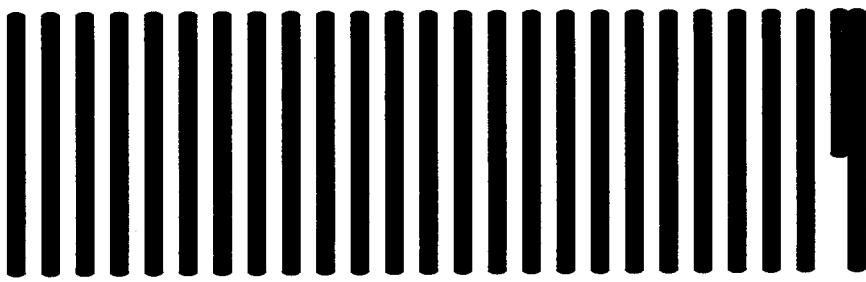
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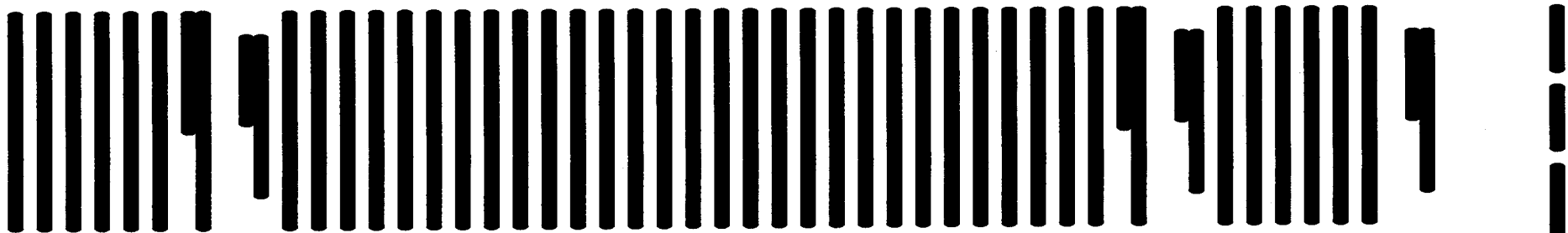
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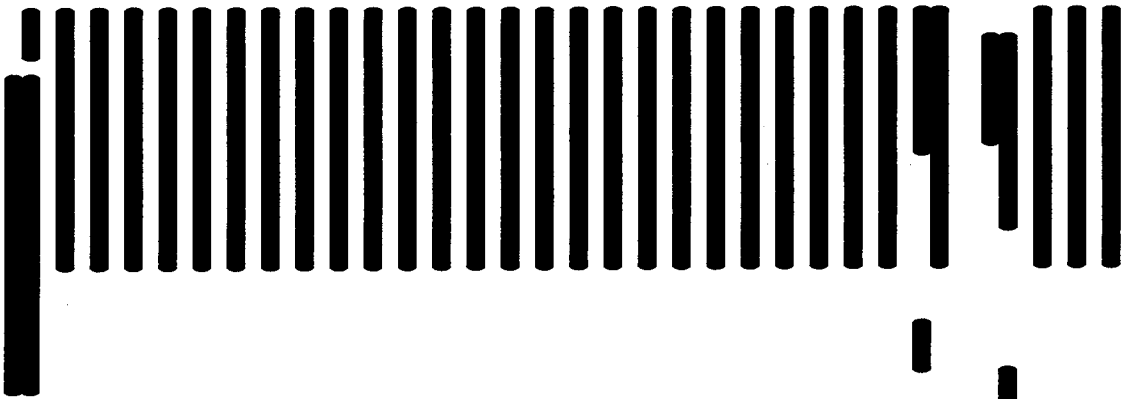
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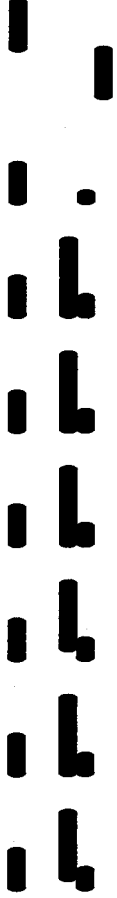
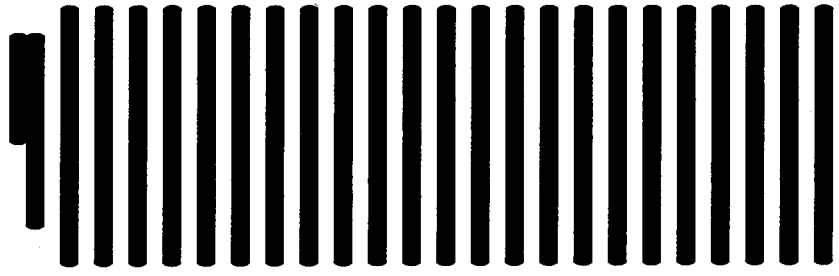
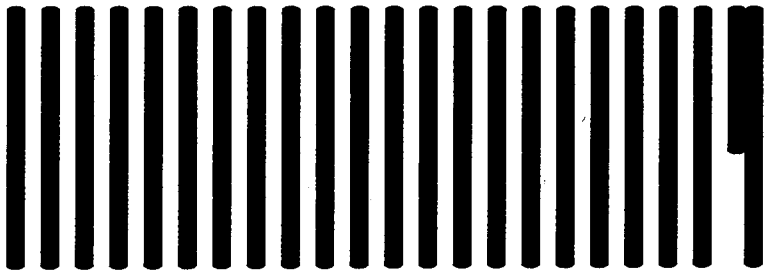
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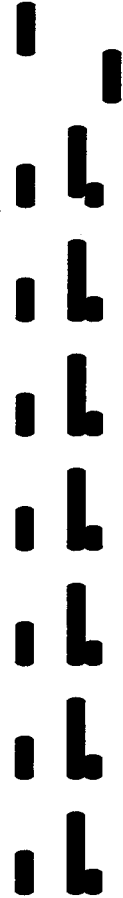


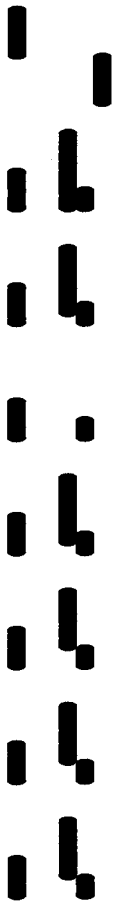
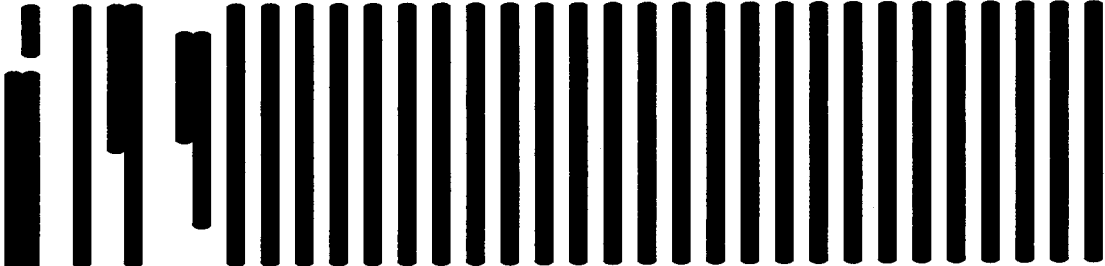
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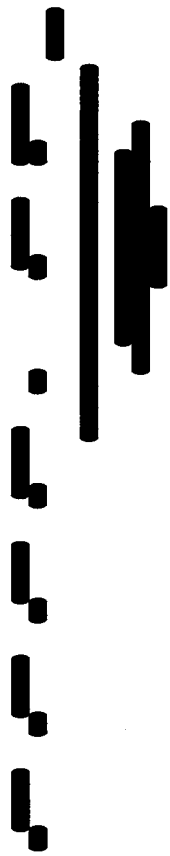
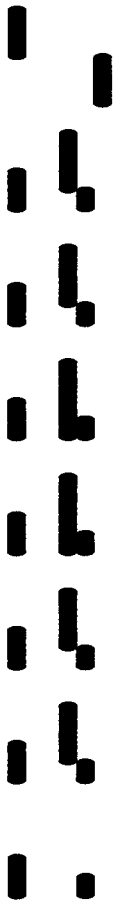
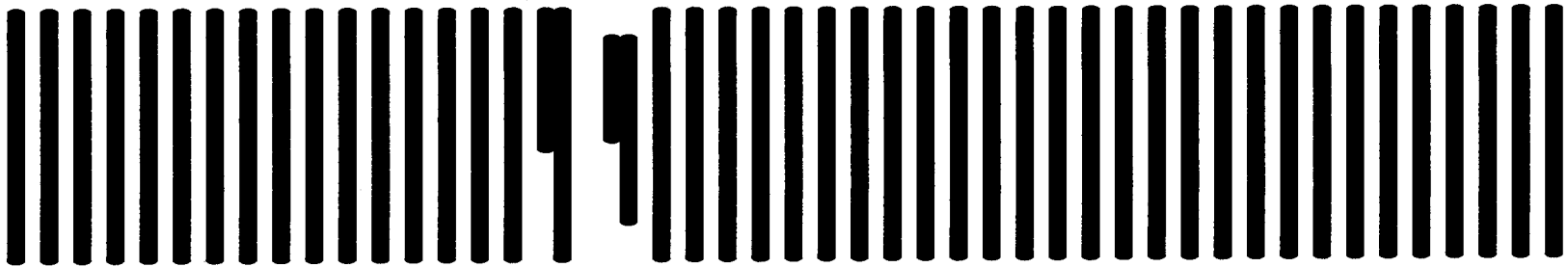
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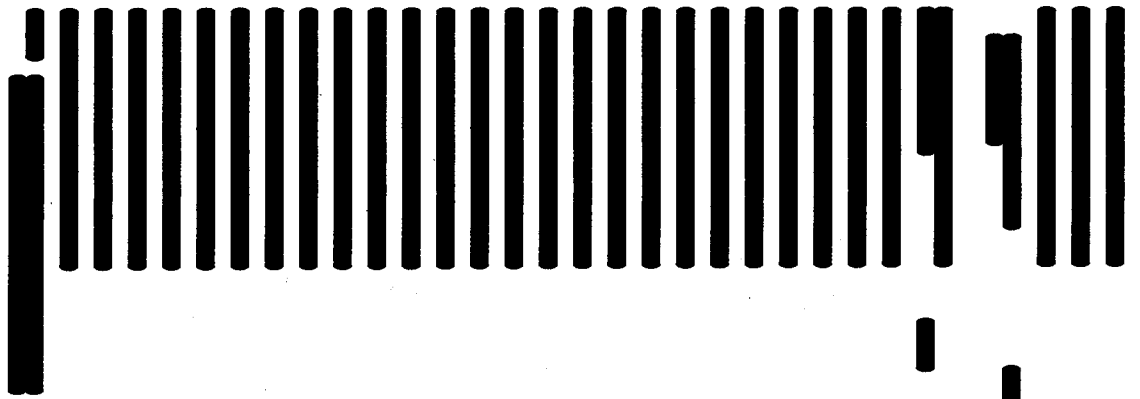








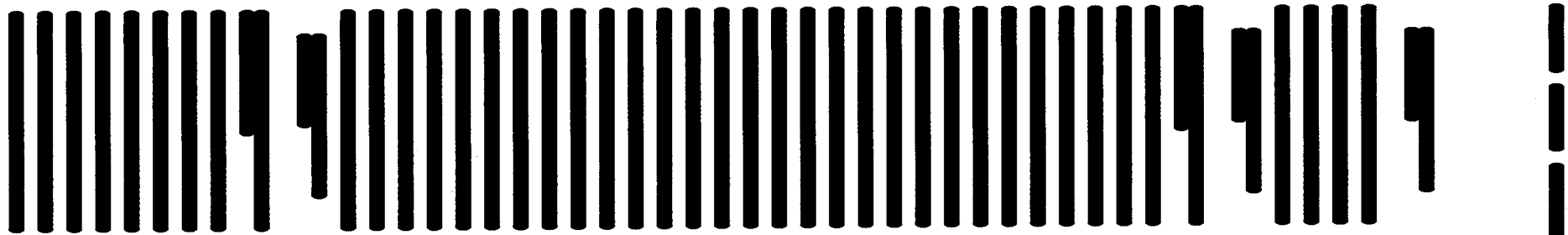




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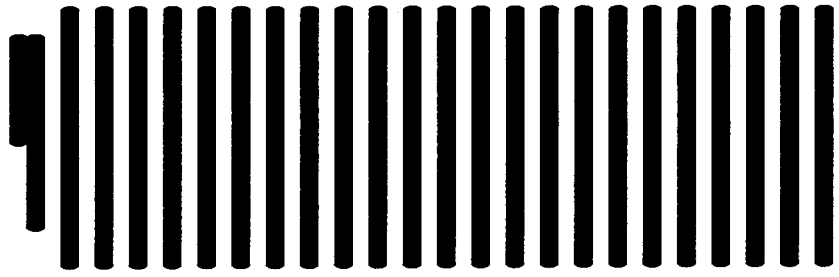
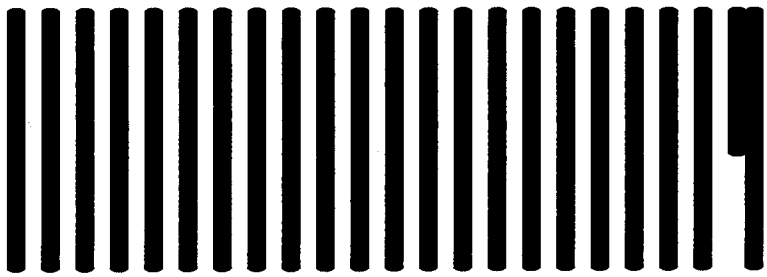
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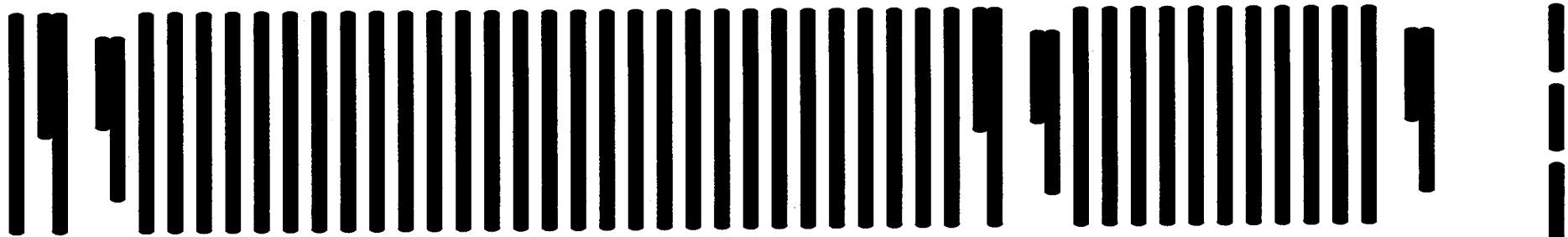
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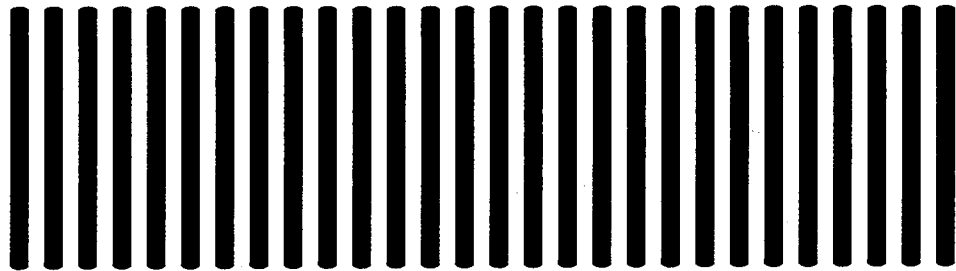
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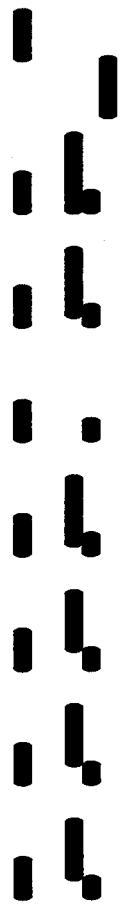


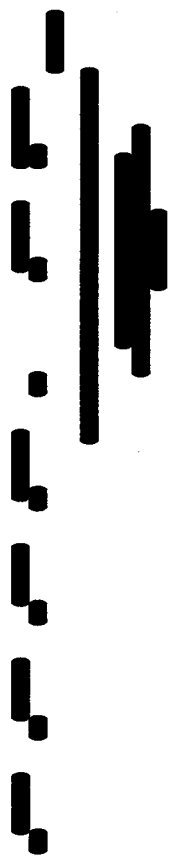
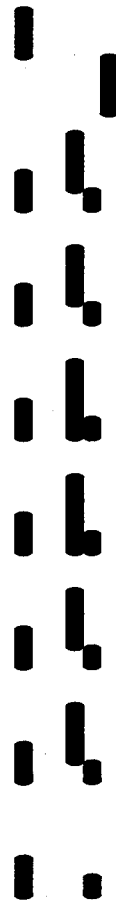
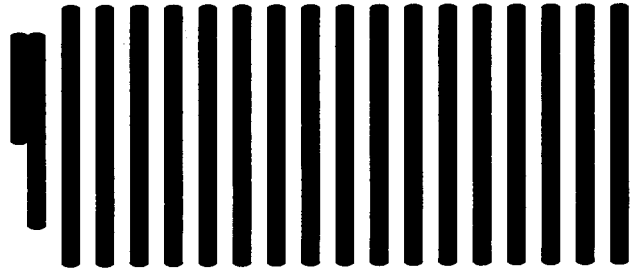
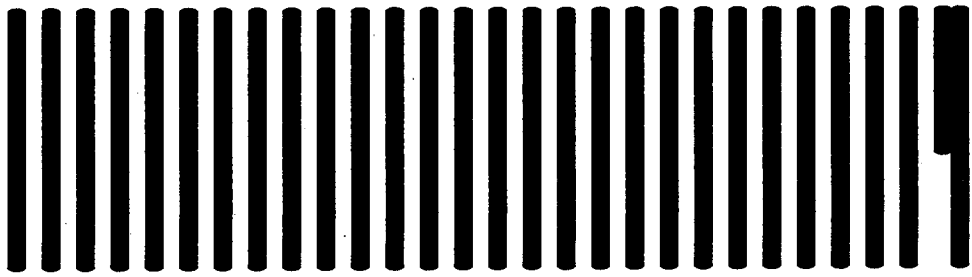
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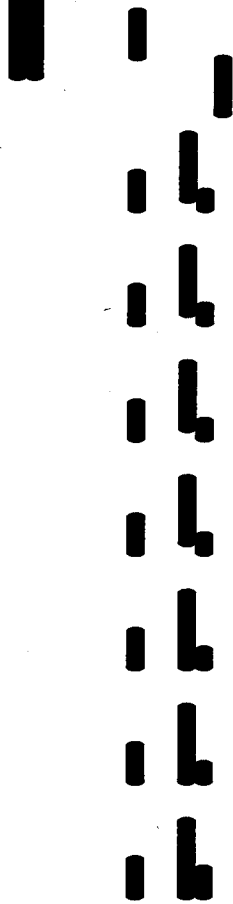
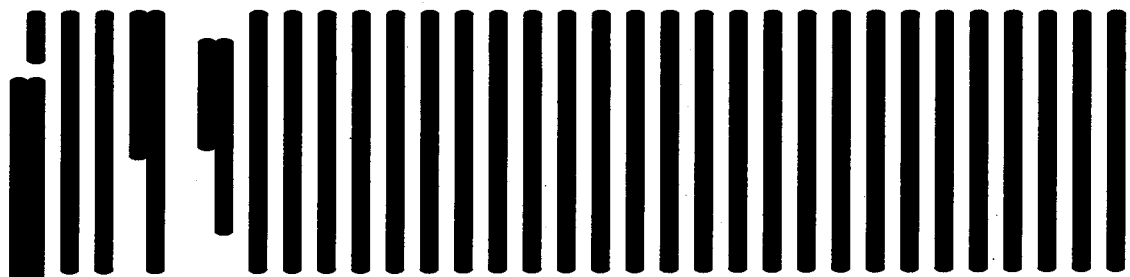


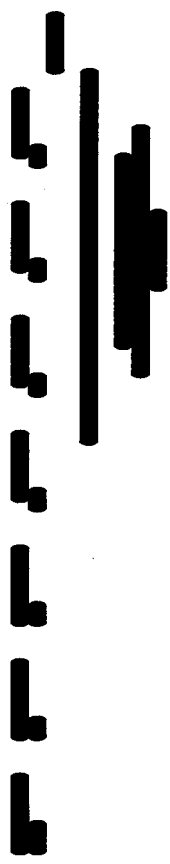
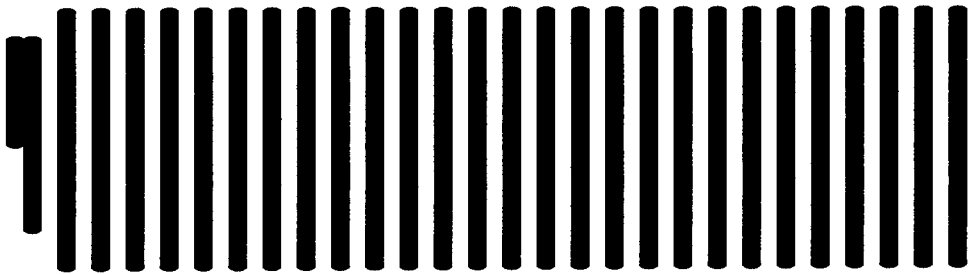
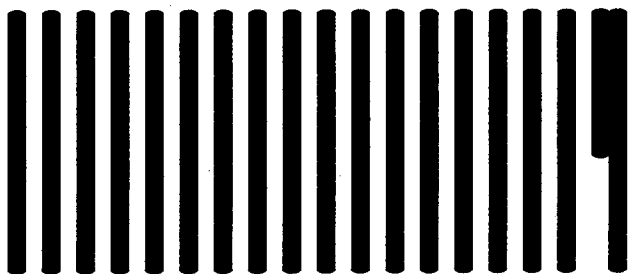
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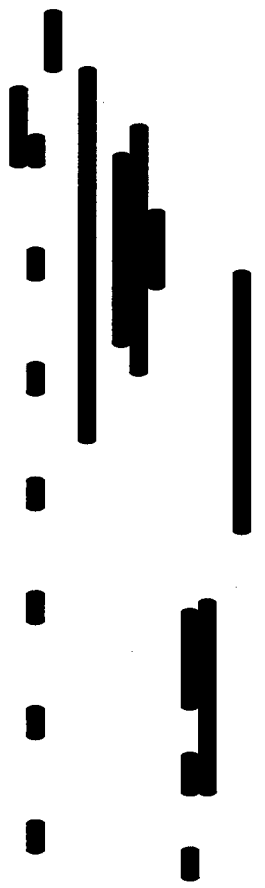
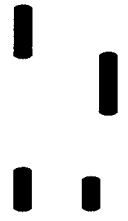
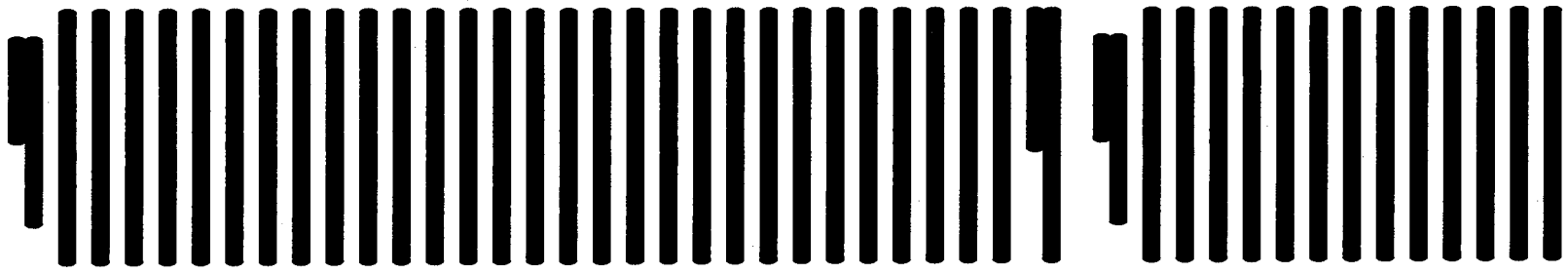
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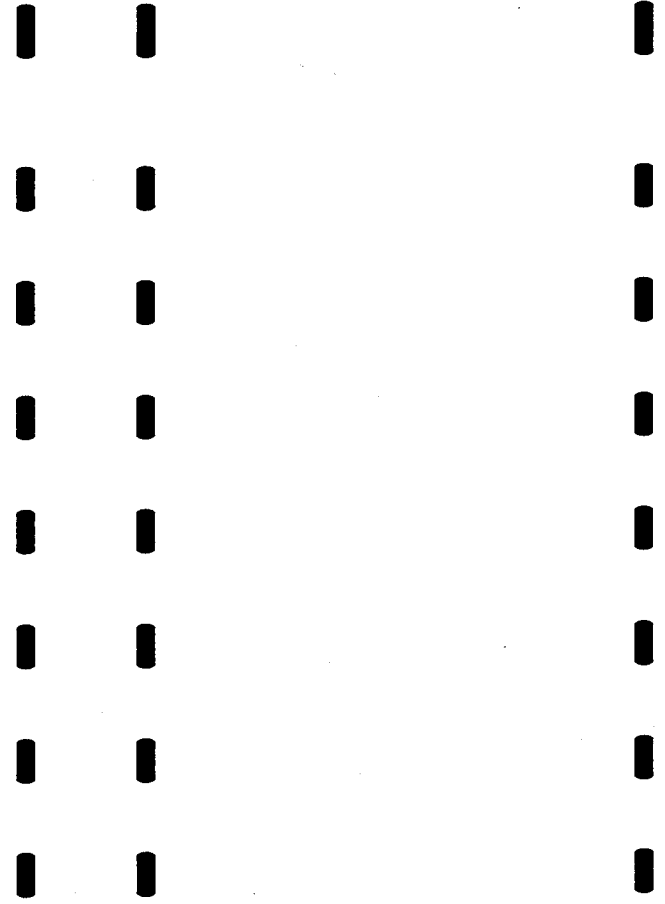
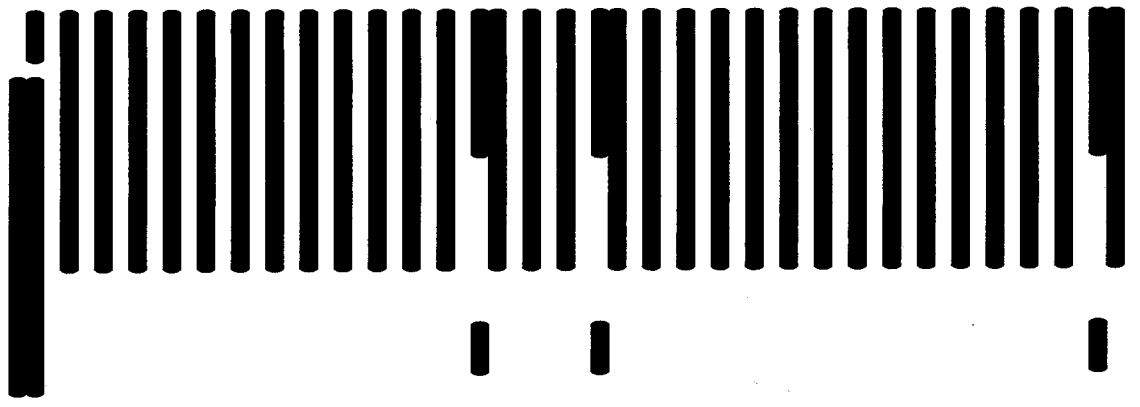
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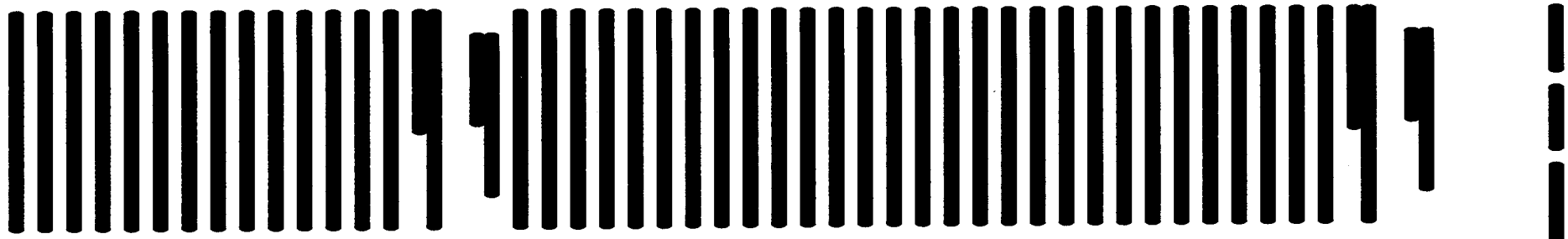
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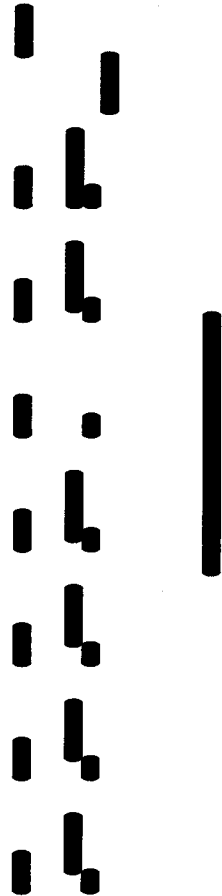
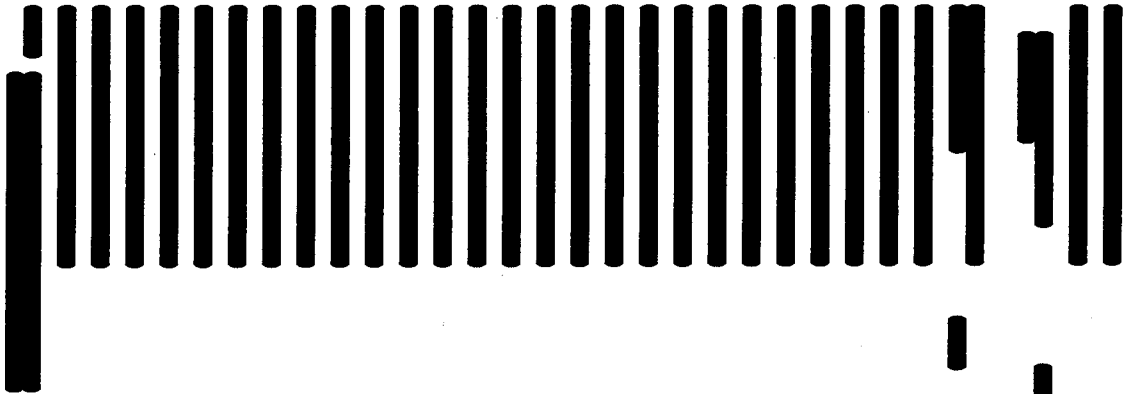


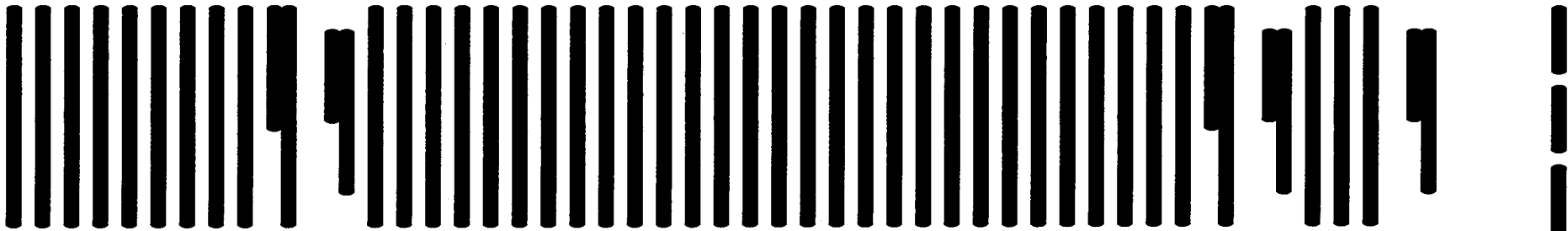


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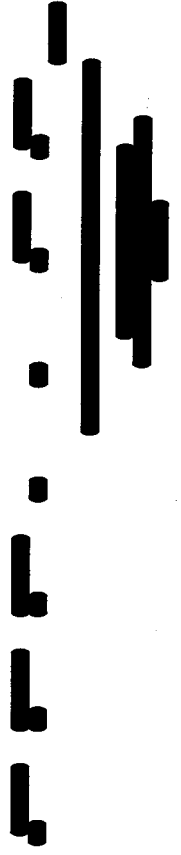
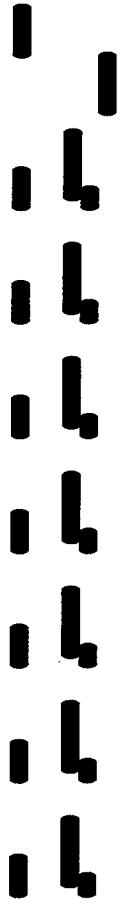
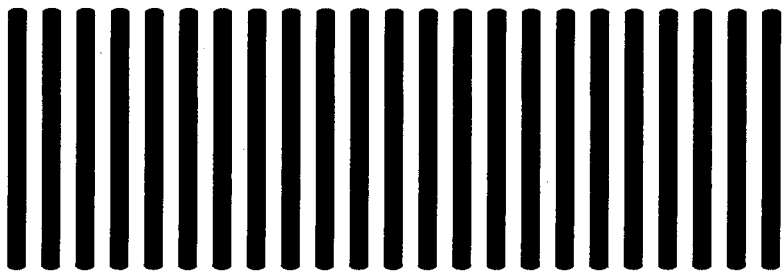
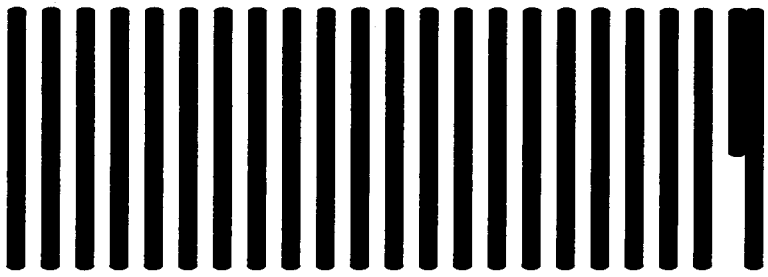


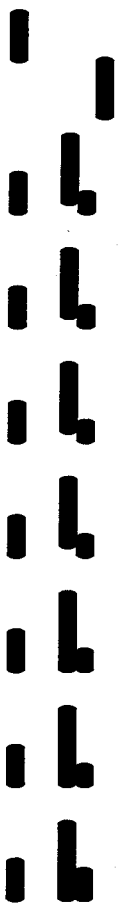
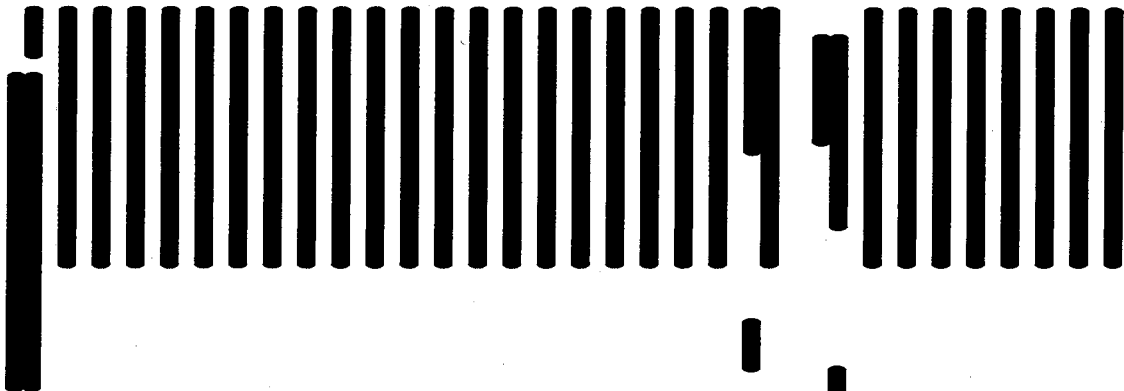


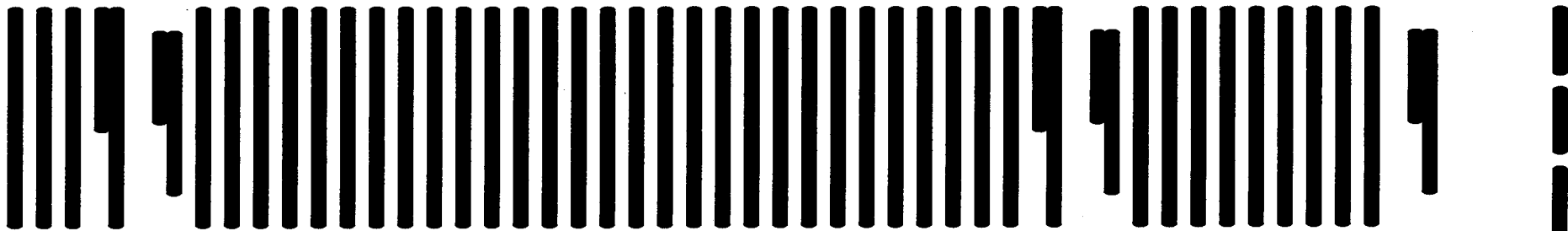


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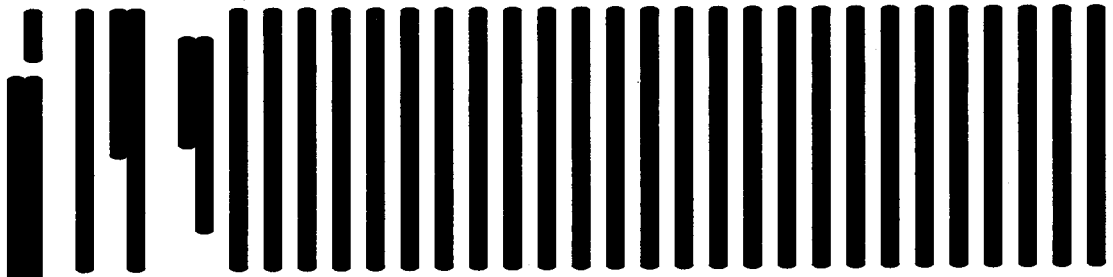


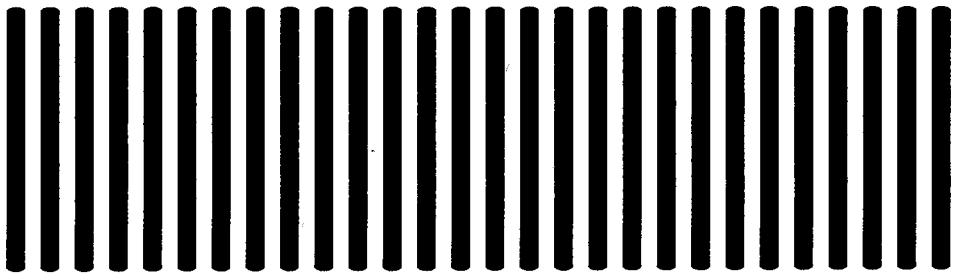


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NOTE: DATA DISPLAYED AFTER 2011 ONLY. TB
VALUE CHANGED FROM PREVIOUS YEARS.

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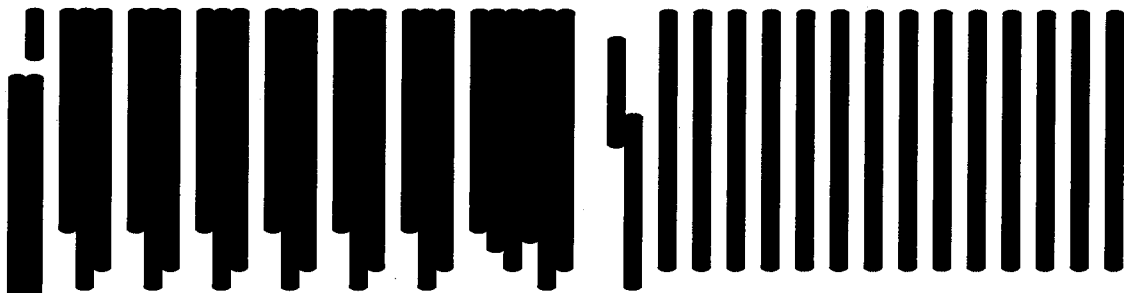
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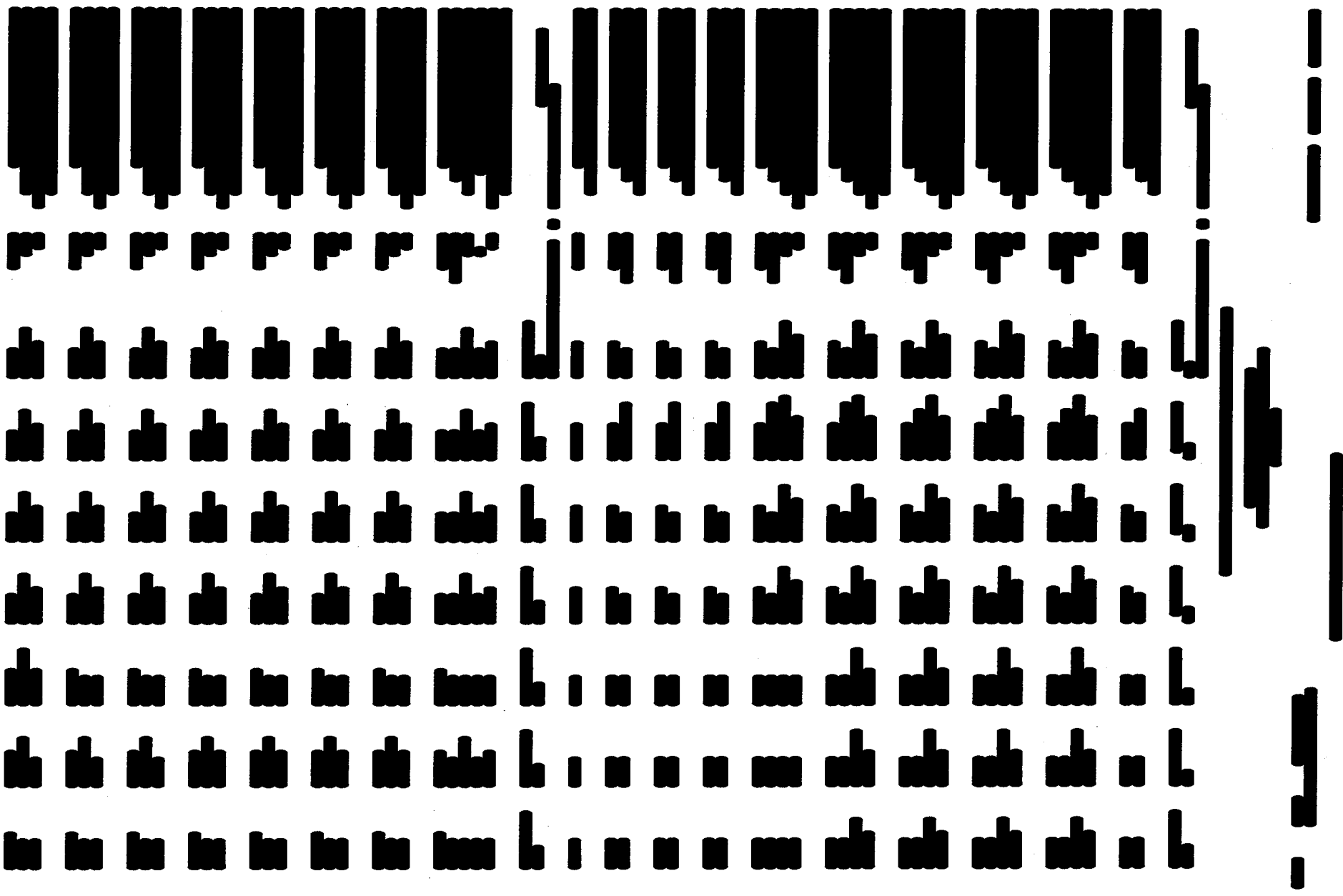
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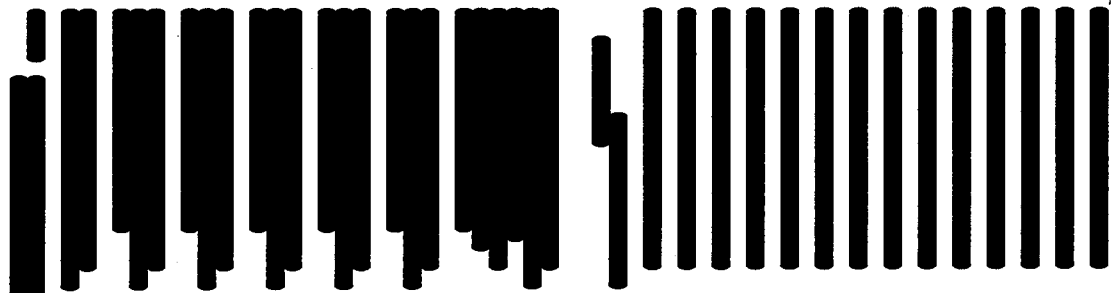
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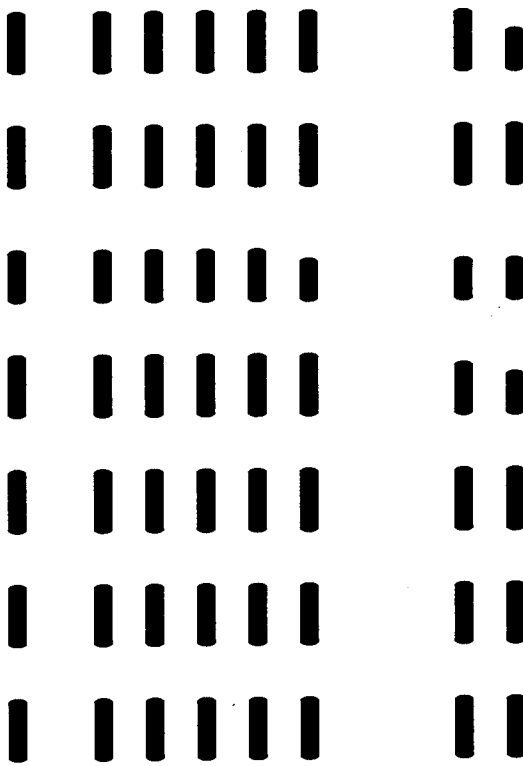
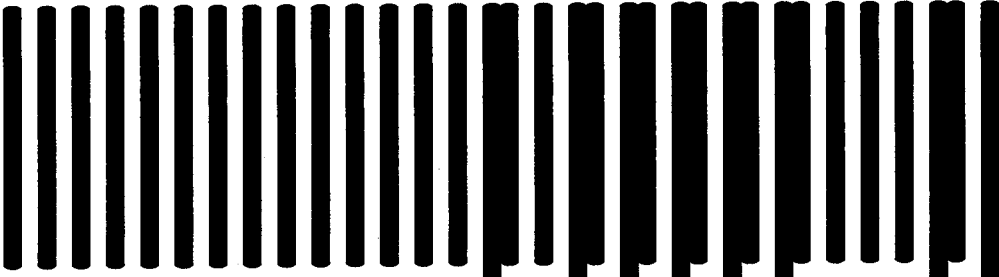
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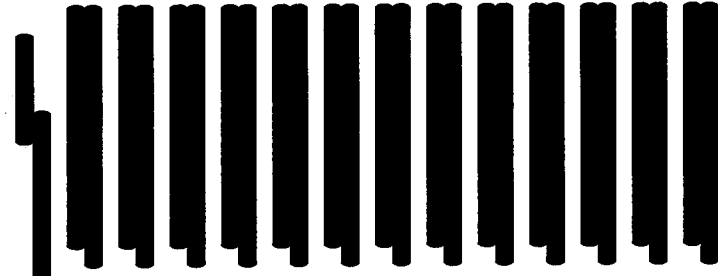
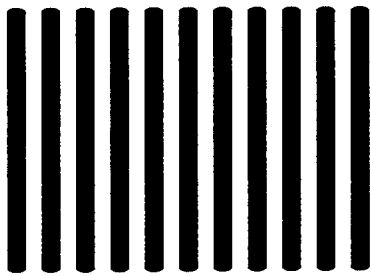
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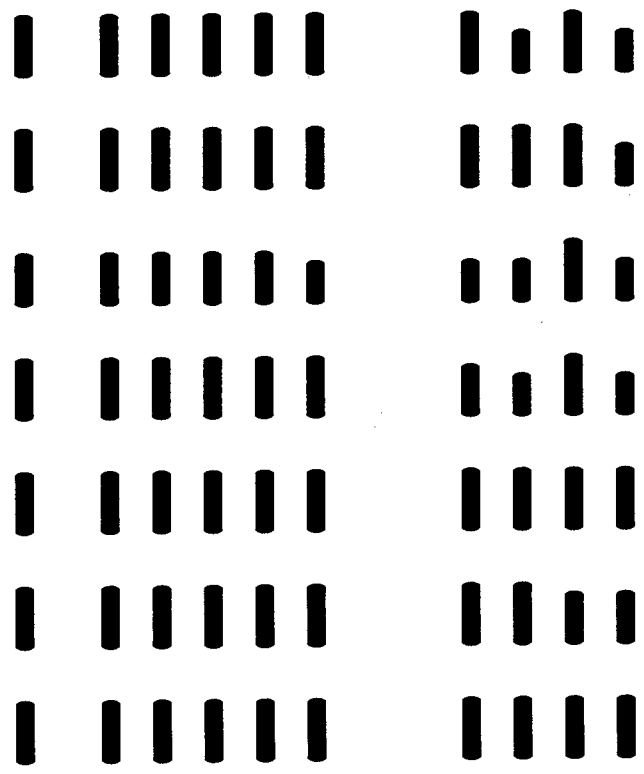
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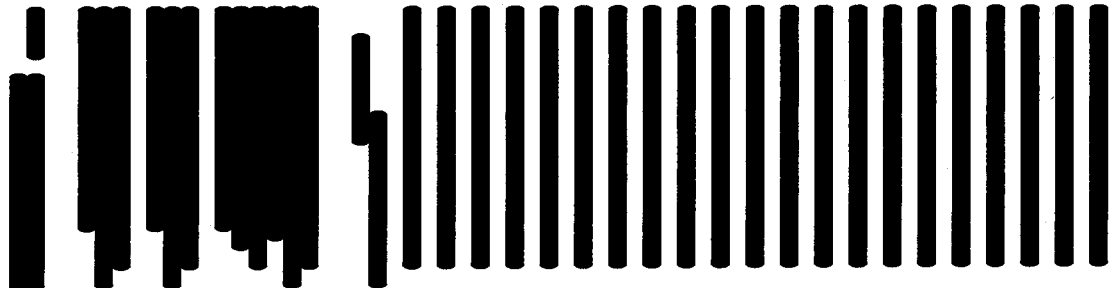
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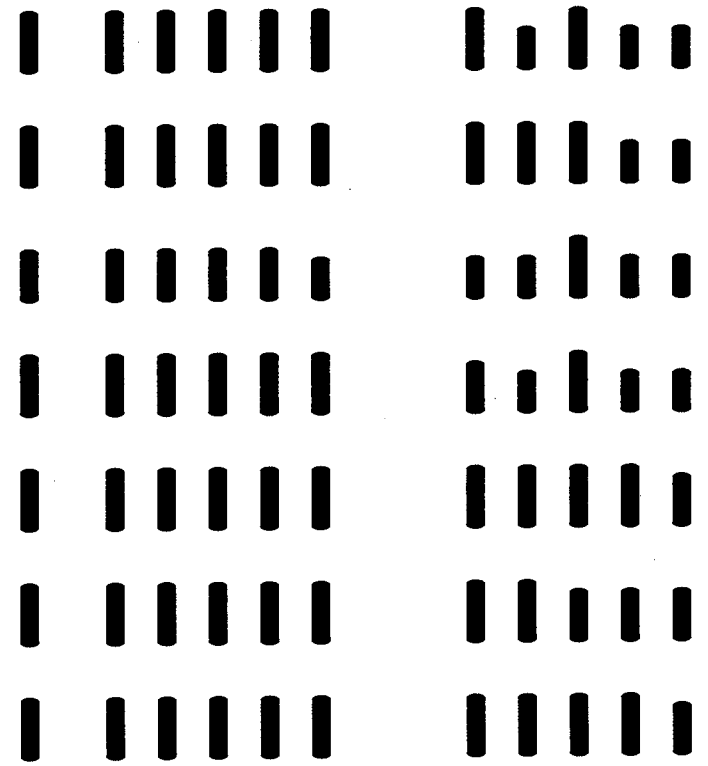
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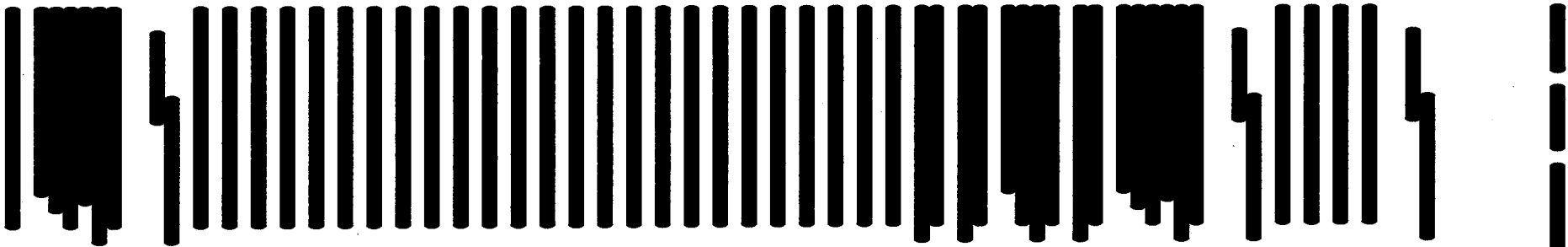
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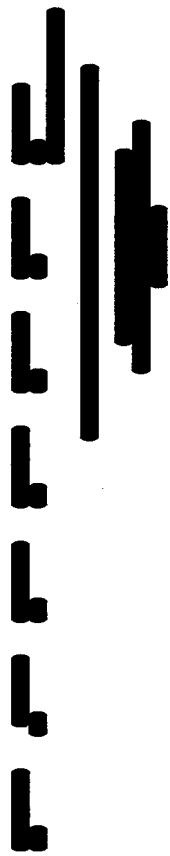
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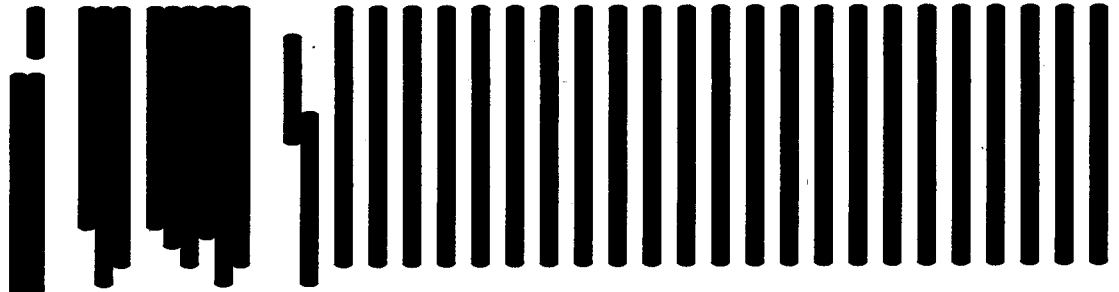
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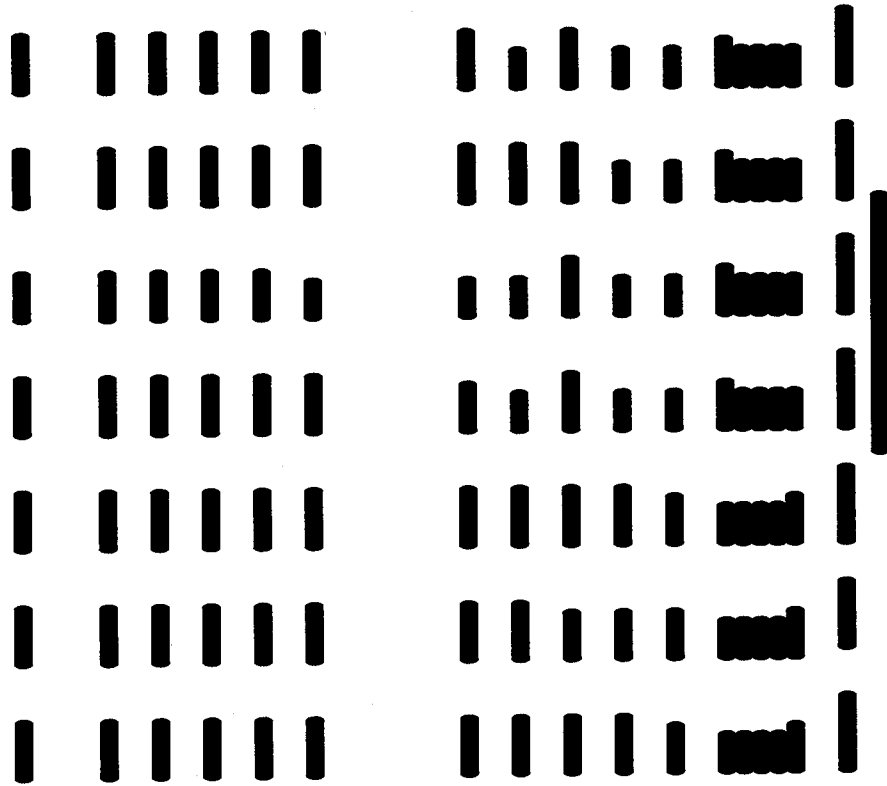
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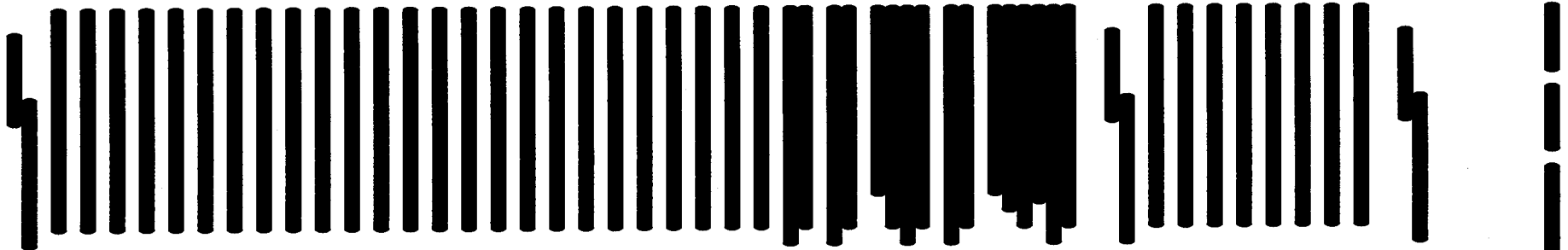
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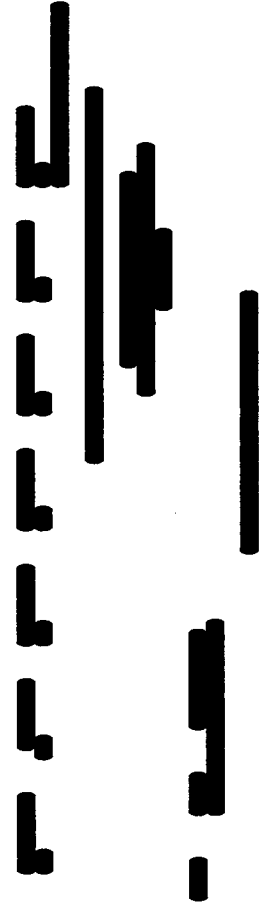
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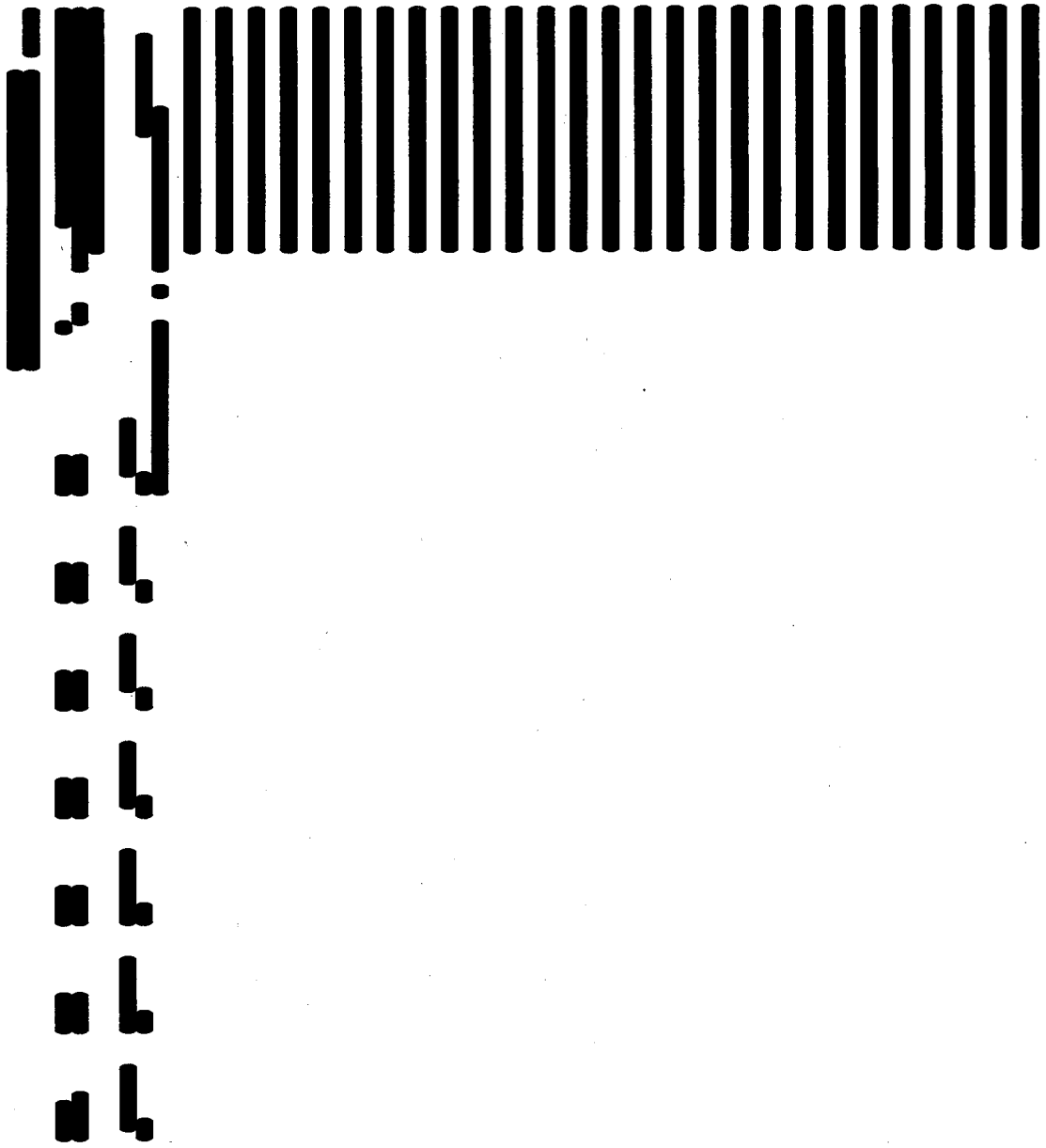
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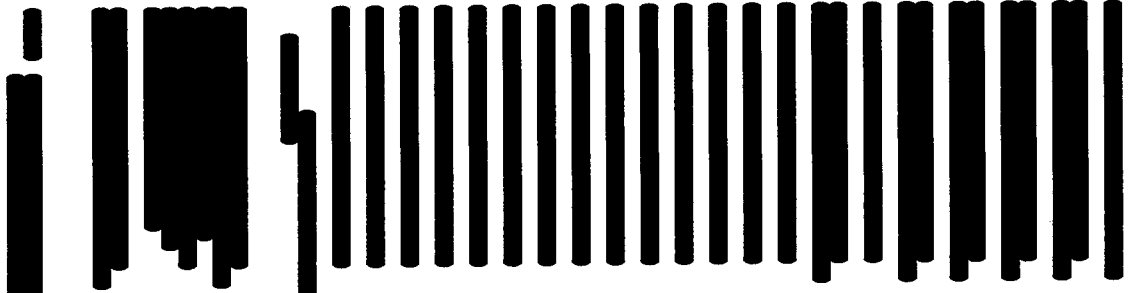
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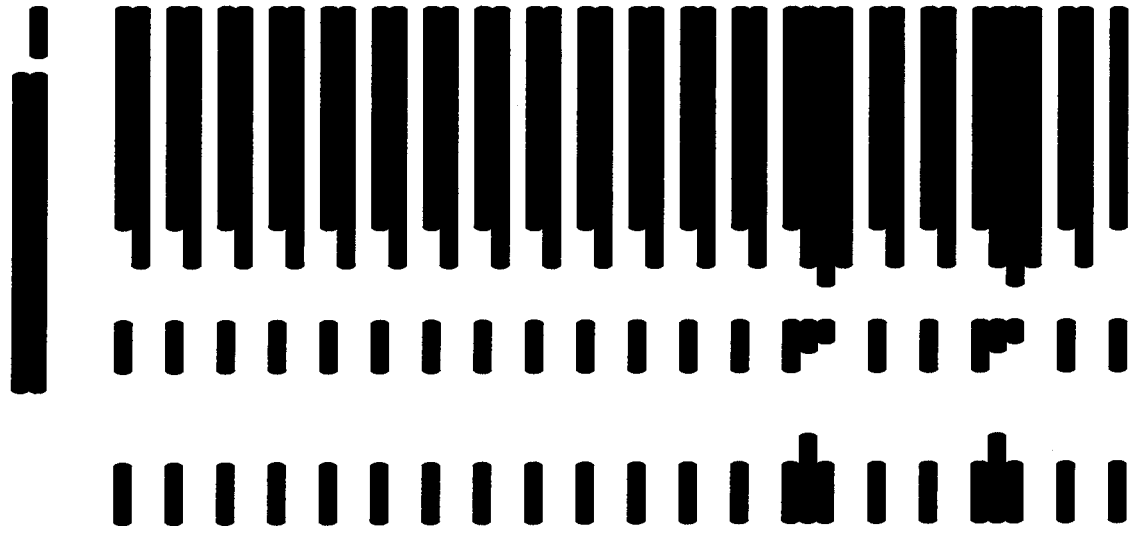
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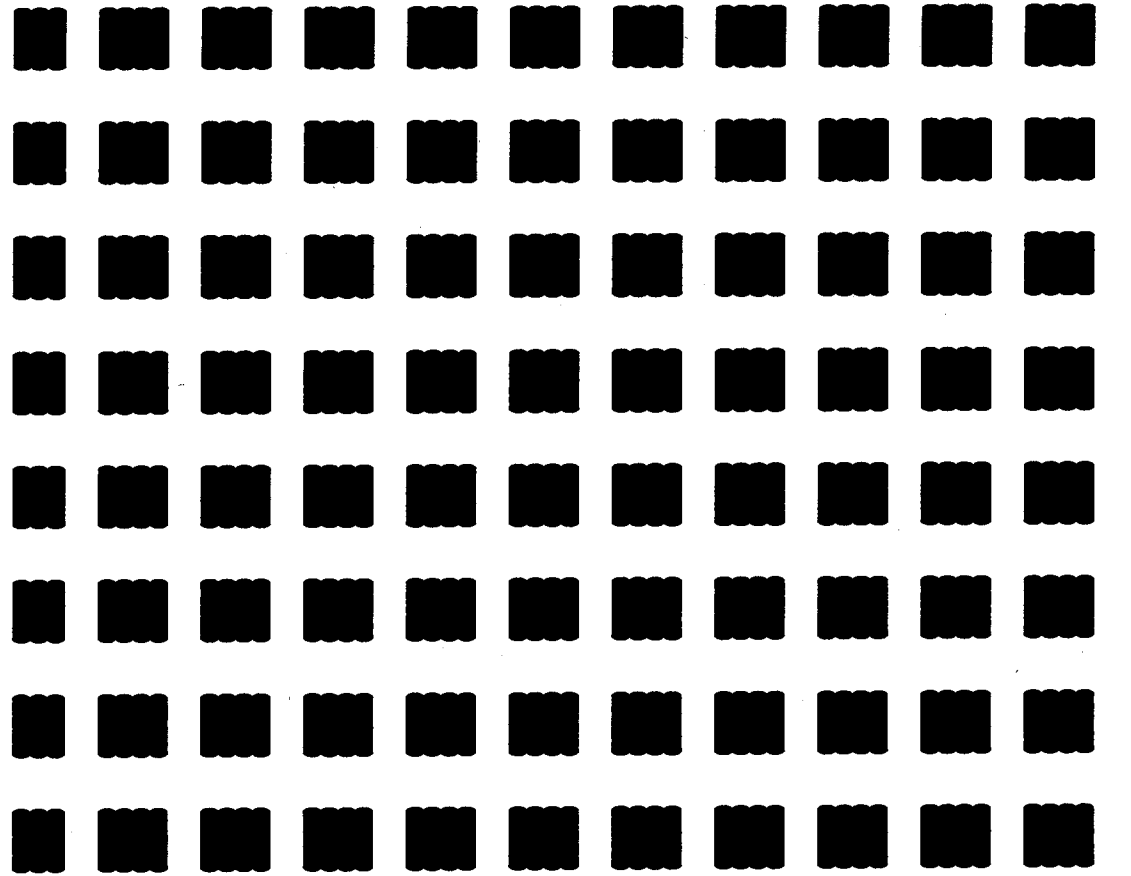
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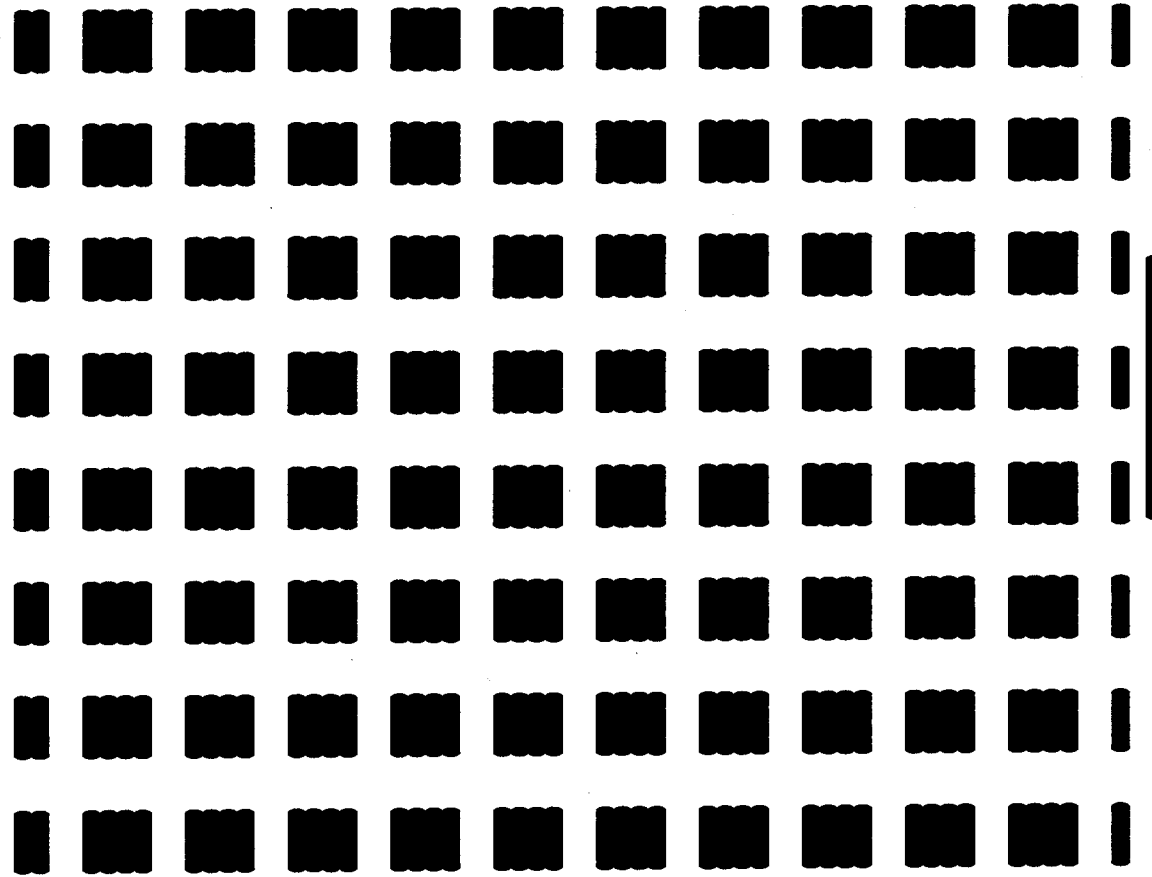
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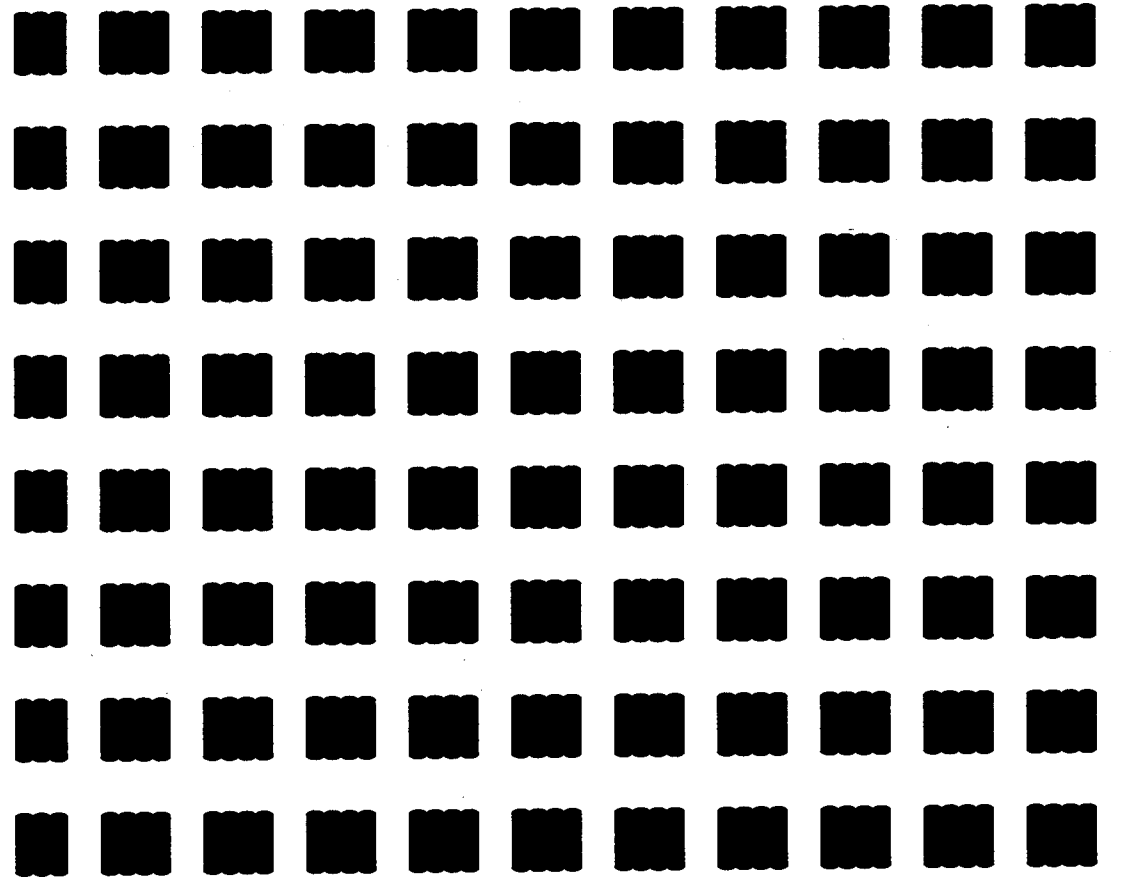
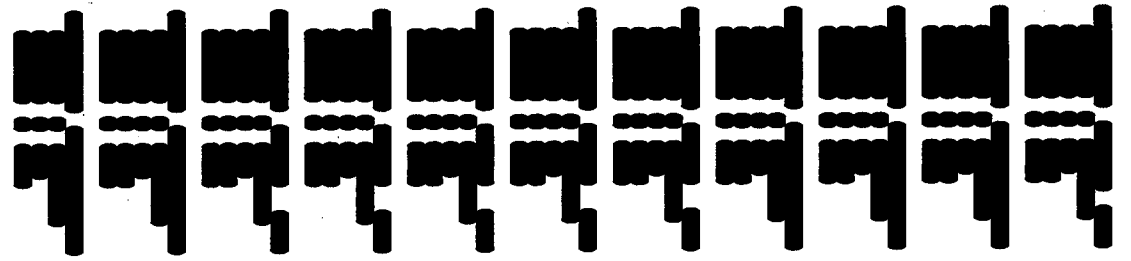


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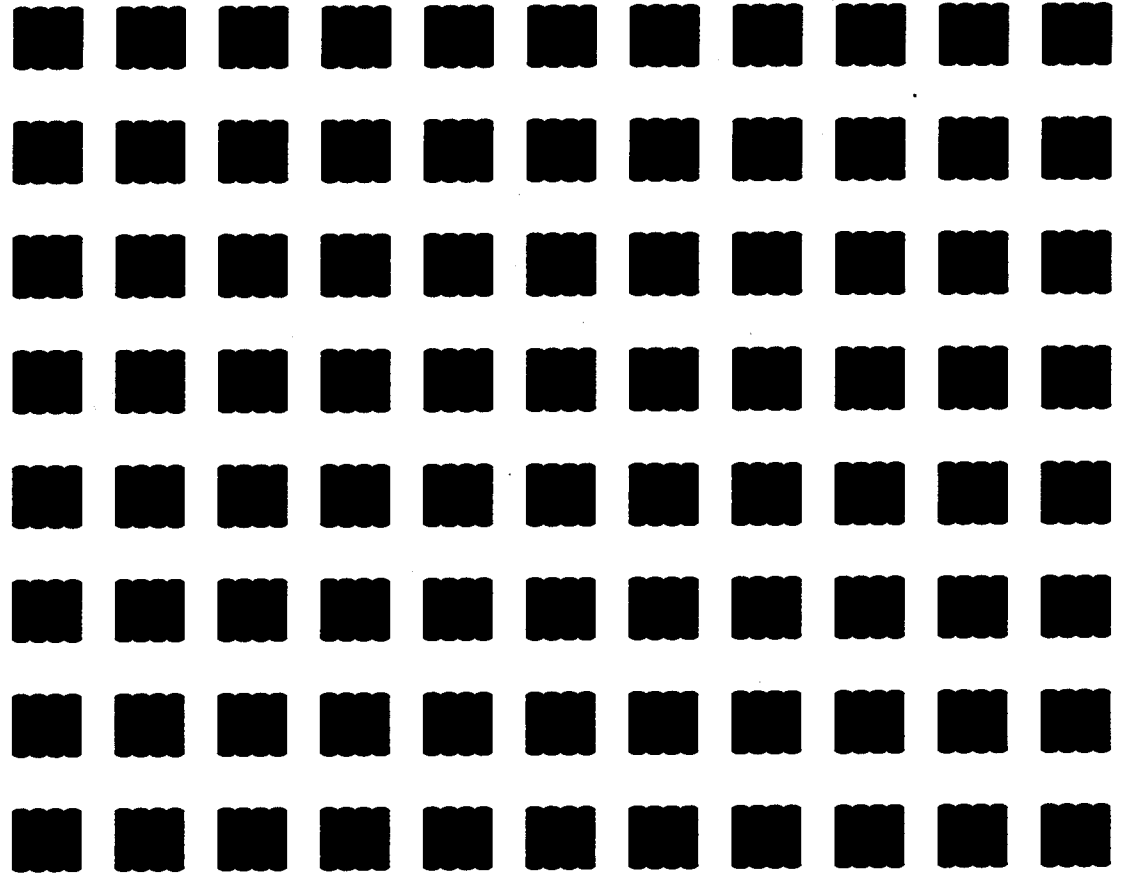
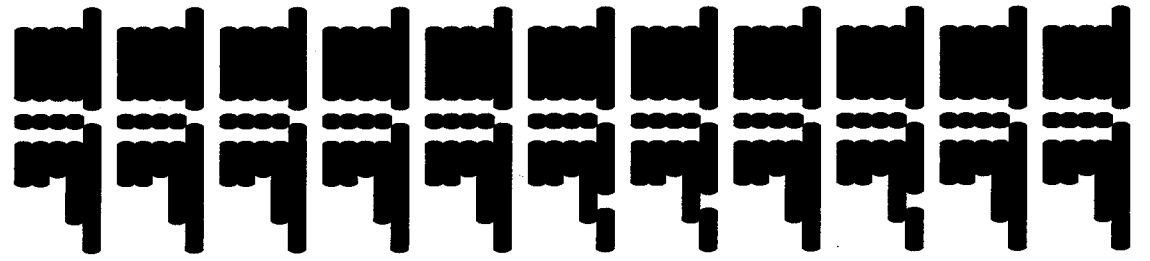
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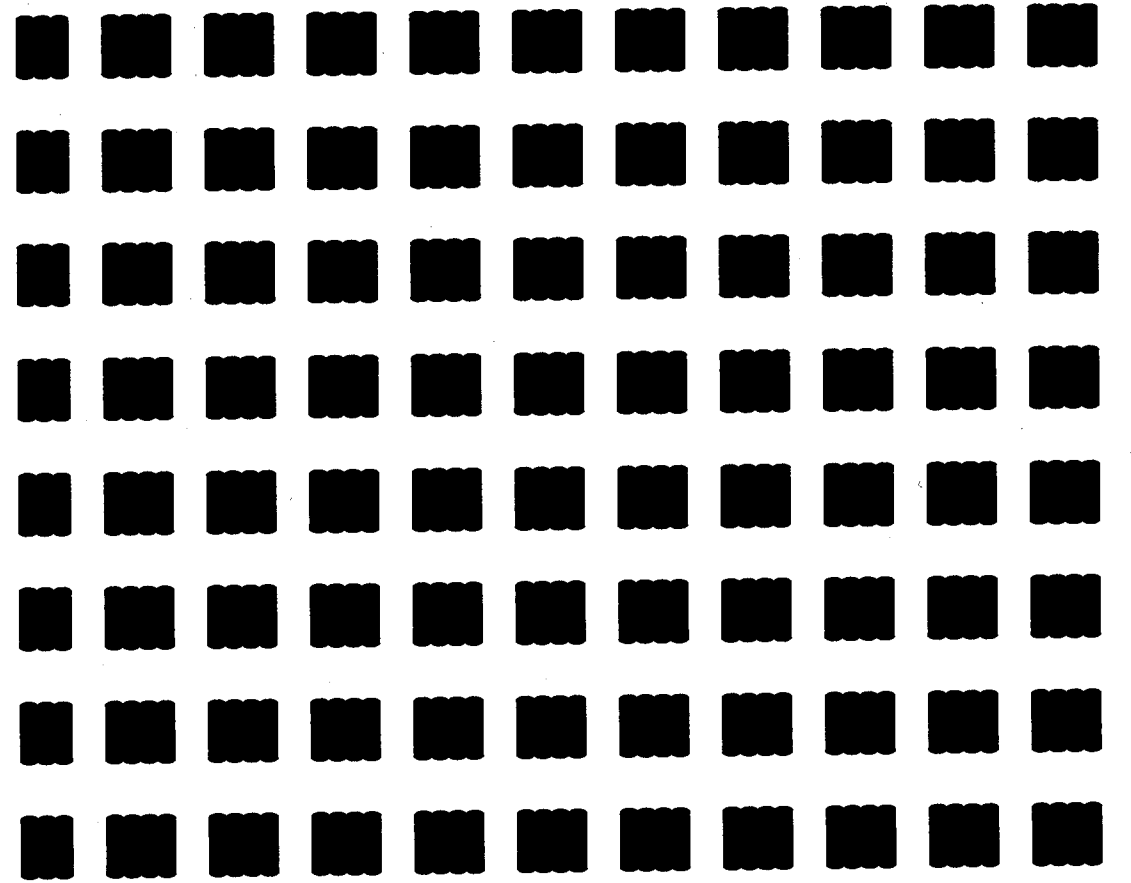
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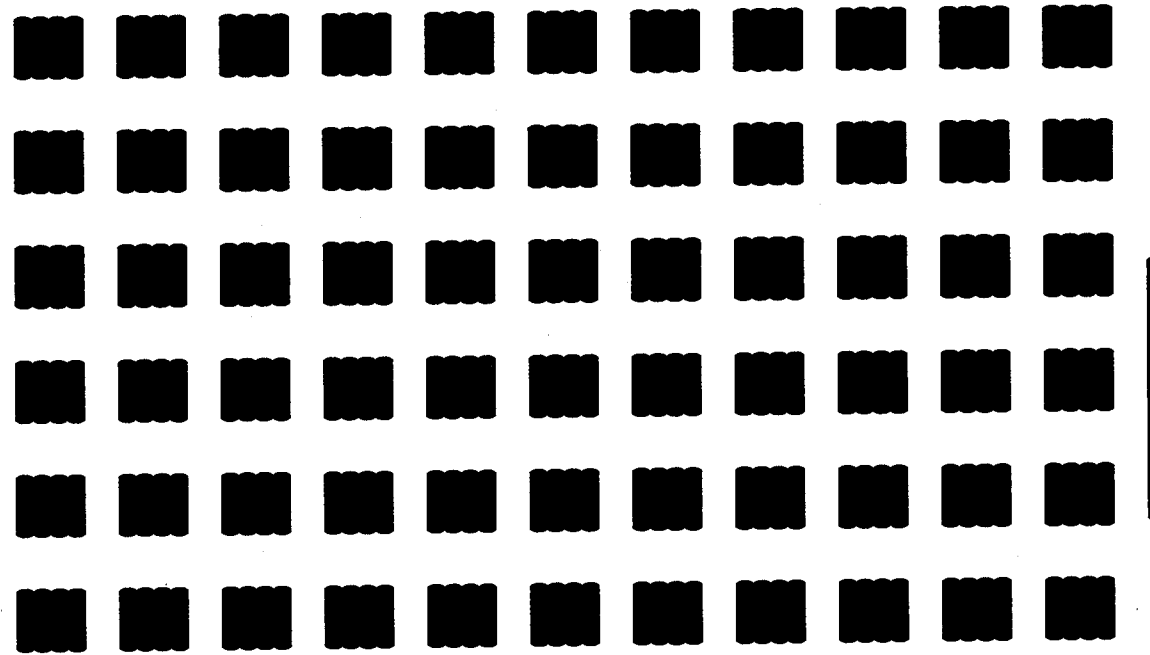
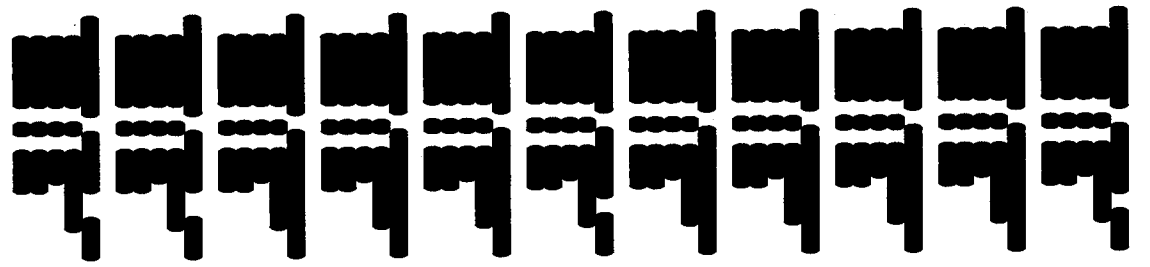
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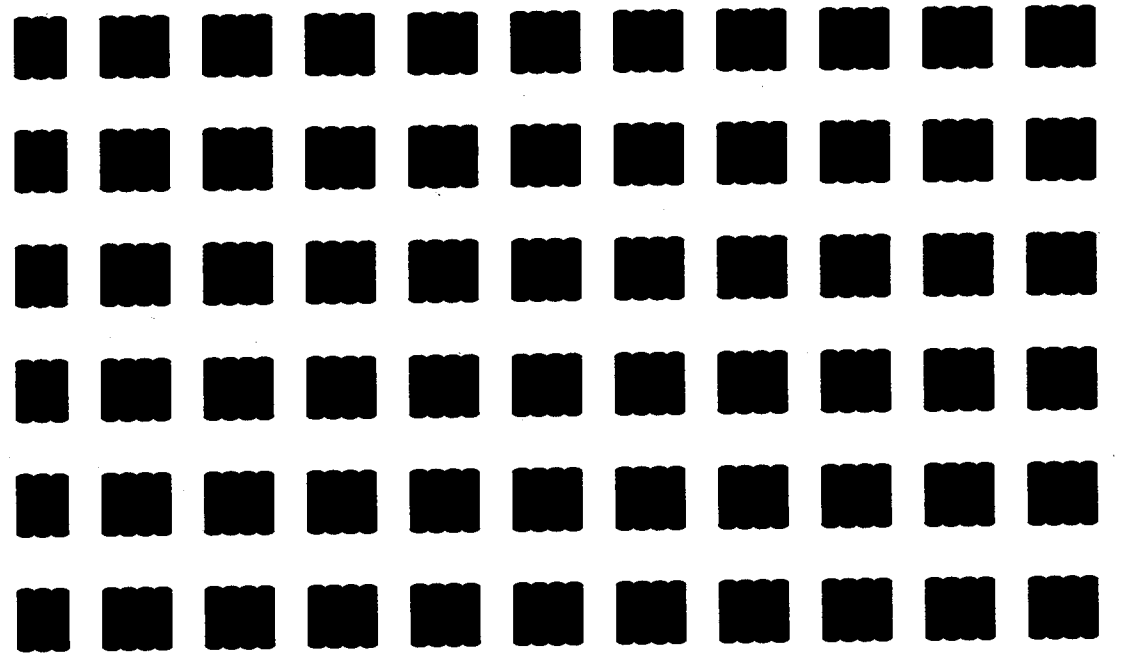


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