ATTORNEYS AT LAW

hald M. Sullivan Jesse T. Mountjoy Frank Stainback James M. Miller Michael A. Fiorella William R. Dexter Allen W. Holbrook R. Michael Sullivan Bryan R. Reynolds Tyson A. Kamuf Mark W. Starnes C. Ellsworth Mountjoy Susan Montalvo-Gesser

April 16, 2008

Re:

APR 17 2008 PUBLIC SERVICE COMMISSION

Hon. Stephanie Stumbo Executive Director Public Service Commission 211 Sower Boulevard Frankfort, Kentucky 40602

The Applications of Big Rivers Electric Corporation for: (1) Approval of
Wholesale Tariff Additions for Big Rivers Electric Corporation, (II) Approval
of Transactions, (III) Approval to Issue Evidences of Indebtedness, and (IV)
Approval of Amendments to Contracts; and of E.ON U.S., LLC, Western
Kentucky Energy Corp. and LG&E Energy Marketing, Inc. for Approval of
Transactions, PSC Case No. 2007-00455

Dear Ms. Stumbo:

Enclosed for filing on behalf of Big Rivers Electric Corporation ("Big Rivers") are an original and ten copies of (i) Big Rivers' responses to the Commission Staff's Second Supplemental Data Request, and (ii) a petition seeking confidential treatment of certain portions of Big Rivers' Production Work Plan/Business Plan filed in response to Item 1 of the data request. Three copies of the Production Work Plan/Business Plan containing confidential information are attached to the petition. A redacted copy of the Production Work Plan/Business Plan is attached to each copy of the responses. A copy of this cover letter, the petition, and a redacted copy of the Production Work Plan/Business Plan have been served on the attached service list.

Sincerely yours,

mes m. Twele

James M. Miller

JMM/ej Enclosures

cc: Michael H. Core David Spainhoward Service List

Telephone (270) 926-4000 Telecopier (270) 683-6694

> 100 St. Ann Building PO Box 727 Owensboro, Kentucky 42302-0727

# SERVICE LIST BIG RIVERS ELECTRIC CORPORATION PSC CASE NO. 2007-00455

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Charles Buechel Utility & Economic Consulting Inc. 116 Carrie Court Lexington, KY 40515

Hon. Doug Beresford Hon. Geof Hobday Hogan & Hartson 555 Thirteenth Street, NW Washington, DC 20004

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David Sinclair E.ON U.S. LLC 220 West Main Street Louisville, KY 40202

D. Ralph BowlingWestern Kentucky Energy Corp.P. O. Box 1518Henderson, KY 42419

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Kelly Nuckols Jackson Purchase Energy Corp. P. O. Box 4030 Paducah, KY 42002-4030

Burns Mercer Meade County RECC P. O. Box 489 Brandenburg, KY 40108

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Hon. Frank N. King Dorsey, King, Gray, Norment & Hopgood 318 Second Street Henderson, KY 42420

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Jack Gaines JDG Consulting, LLC P. O. Box 88039 Dunwoody, GA 30356

## SERVICE LIST BIG RIVERS ELECTRIC CORPORATION PSC CASE NO. 2007-00455

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Gary Quick Henderson Municipal Power & Light 100 5th Street Henderson, KY 42420

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Katherine Simpson Allen Stites & Harbison, PLLC 401 Commerce Street Suite 800 Nashville, TN 37219

#### COMMONWEALTH OF KENTUCKY

#### BEFORE THE PUBLIC SERVICE COMMISSION OF KENTUCKY

)

#### In the Matter of:

THE APPLICATIONS OF BIG RIVERS ELECTRIC CORPORATION FOR: (I) APPROVAL OF WHOLESALE TARIFF ADDITIONS FOR BIG RIVERS ELECTRIC CORPORATION, (II) APPROVAL OF TRANSACTIONS, (III) APPROVAL OF EVIDENCES OF INDEBTEDNESS, AND (IV) APPROVAL OF AMENDMENTS TO CONTRACTS; AND

CASE NO. 2007-00455

# RECEIVED

PUBLIC SERVICE

COMMISSION

OF E.ON U.S., LLC, WESTERN KENTUCKY ) ENERGY CORP. AND LG&E ENERGY MARKETING, ) INC. FOR APPROVAL OF TRANSACTIONS )

# PETITION OF BIG RIVERS ELECTRIC CORPORATION FOR CONFIDENTIAL TREATMENT OF ITS RESPONSE TO THE COMMISSION STAFF'S SECOND SUPPLEMENTAL DATA REQUEST

Big Rivers Electric Corporation ("<u>Big Rivers</u>"), pursuant to 807 K.A.R. 5:001 Section 7, respectfully petitions the Kentucky Public Service Commission ("<u>Commission</u>") to classify and protect as confidential certain material contained in Big Rivers' response (the "<u>Response</u>") to the information requested in the Commission Staff's Supplemental Data Request to Big Rivers (the "<u>Request</u>"). Specifically, Big Rivers seeks confidential treatment of portions of its Production Work Plan/Business Plan filed with this petition in response to Item 1 of the Request (the "Confidential Information"). In support of this petition, Big Rivers states as follows:

1. The Confidential Information for which Big Rivers seeks confidential treatment contains highly sensitive information on virtually all aspects of Big Rivers' business plans relating to the operation and maintenance of its generating units, including budgets, strategic planning, resources and operations. Big Rivers operates in a competitive marketplace for wholesale power and the public disclosure of this sensitive commercial information would place it at a severe competitive disadvantage among other wholesale power generators with which it competes, and would provide an unfair advantage to suppliers. The Confidential Information therefore falls within a category of commercial information "generally recognized as confidential or proprietary, which if openly disclosed would permit an unfair commercial advantage to competitors" of Big Rivers. KRS 61.878(1)(c)(1); 807 KAR 5:001 Section 7(2)(a)(1).

2. Big Rivers acknowledges that some numbers contained in various parts of the Production Work Plan/Business Plan have been disclosed in other forms in this proceeding; however, Big Rivers submits that the disclosure of such information as contained and presented in the portions of the Production Work Plan/Business Plan for which Big Rivers seeks confidential treatment would adversely impact Big Rivers. The Confidential Information is not publicly available in the form presented, is not known outside of Big Rivers, and is not disseminated within Big Rivers except to those employees and professionals with a legitimate business need to know and act upon the information.

3. Three (3) copies of the complete Production Work Plan/Business Plan are attached to this petition. The Confidential Information in those copies is all information except page 80 of 80 of the Environmental tab and the production cost model outputs that follow that page 80. Ten (10) copies of the Production Work Plan/Business Plan, with the Confidential Information redacted, are attached to the copies of the Response filed contemporaneously with this petition. 807 KAR 5:001 Section 7(2)(a)(2) and 7(2)(b); Request Item 1.

4. A copy of this petition and a copy of the redacted Production Work Plan/Business Plan have been served on all parties. 807 KAR 5:001 Section 7(2)(c).

2

6. If and to the extent that any of the Confidential Information becomes generally available to the public, whether through filings required by other agencies or otherwise, Big Rivers will notify the Commission and have its confidential status removed. 807 KAR 5:001 Section 7(9)(a).

WHEREFORE, Big Rivers respectfully requests that the Commission classify and protect as confidential the Confidential Information filed with this petition.

On this the  $\frac{167}{16}$  day of April, 2008.

mmile

Jane's M. Miller Tyson Kamuf Sullivan, Mountjoy, Stainback & Miller, P.S.C. 100 St. Ann Street P.O. Box 727 Owensboro, Kentucky 42302-0727 (270) 926-4000

Douglas L. Beresford George F. Hobday Hogan & Hartson, LLP Columbia Square 555 Thirteenth Street, NW Washington, D.C. 20004 (202) 637-5600

COUNSEL FOR BIG RIVERS ELECTRIC CORPORATION

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	BIG RIVERS ELECTRIC CORPORATION'S RESPONSE TO THE COMMISSION STAFF'S 2 <sup>nd</sup> SUPPLEMENTAL DATA REQUEST PSC CASE NO. 2007-00455	
1	April 16, 2008	
3		
4	Item 1) Provide an original and 3 copies of Big Rivers' 2008-2010 Production	
5	Work Plan and its 2008-2010 Business Plan or indicate where in the record each of	
6	these document is located.	
7		
8	<b>Response)</b> Copies of Big Rivers' Production Work Plan/Business Plan for 2008-2010	
9	are being filed with a petition for confidentiality in connection with this filing. The non-	
10	confidential portions of the Plan are attached to this response.	
11		
12	Witness) Mark A. Bailey	
13		
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27 28		
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33		
	Item 1 Page 1 of 1	

# BIG RIVERS ELECTRIC CORPORATION PRODUCTION WORK PLAN 2008-2010

# ALL INFORMATION NOT ATTACHED FILED UNDER PETITION FOR CONFIDENTIAL TREATMENT

# PRODUCTION COST MODEL OUTPUTS

The following sheets provide output printout sheets from the December 15, 2007 production cost model runs as developed by ACES Power Marketing for Big Rivers and are arranged as follows:

- Portfolio Report
- Production Report
- Fuel Report
- Emissions Report
- Outage Report

	A	8	С	D	E	F	G	н	I	J
3	Resource Costs	2006	2007	2008	2009	2010	2011	2012	2013	2014
	DBWilson HMPL1			\$ 61,402 \$ 24,464		\$ 58,455 \$ 27,254	\$ 54,535 \$ 24,334	\$ 65,203 \$ 28,189	\$ 65,790 \$ 26,992	\$ 74,156 \$ 28,954
	HMPL2				\$ 26,417	\$ 26,888	\$ 29,059	\$ 25,343	\$ 29,795	\$ 28,431
5	Coleman 1			\$ 20,949	\$ 25,140	\$ 25,681	\$ 24,804	\$ 26,423	\$ 26,382	\$ 25,887
<b>1</b> <del>5</del> <b>1</b>	Coleman 2	••••••••••••••••••••••••••••••••••••••		\$ 24,651 \$ 25,303	\$ 25,713 \$ 24,225	\$ 24,323 \$ 26,365	\$ 25,155	\$ 24,730	\$ 24,399 \$ 27,465	\$ 24,537 \$ 27,445
	Coleman 3 Reid ST			\$ 25,303 \$ 3,056	\$ 2,707	\$ 26,365 \$ 390	\$ 26,764 \$ 7,947	\$ 22,551 \$ -	\$ 27,465 \$ 2,300	\$ 2,478
	Reid GT			\$ 196	\$ 329	\$ 363	\$ 552	\$ 717	\$ 644	\$ 758
10	Green 1			\$ 29,677	\$ 35,767	\$ 40,656	\$ 44,831	\$ 43,276	\$ 44,488	\$ 40,591
11 12	Green 2			\$ 29,458	\$ 31,819	\$ 42,519	\$ 36,585	\$ 43,289	\$ 42,340	\$ 45,604
13									·····	
	SEPA			\$ 6,815	\$ 6,809	\$ 6,847	\$ 6,849	\$ 8,585	\$ 7,735	\$ 7,938
15 16	Total Op Costs			\$ 249,224	\$ 253,096	\$ 279,741	\$ 281,415	\$ 288,307	\$ 298,329	\$ 306,779
<u> </u>	Emissions Costs									<b> </b>
	SO2 Price			\$ 778	\$ 853	\$ 441	\$ 409	\$ 395	\$ 374	\$ 393
19	SO2(ktons) - emitted			23.133	20.077	21.157	20.054	20.575	19.581	
20 21	SO2(ktons) - REQUIRED for compliance			23.133 \$ 17,997	20.077 \$ 17,124	42.314 \$ 18,641	40.107 \$ 16,410	41.150	39.161	41.201
	SO2 cost(\$000) SO2 Allowances		······································	\$ 17,997 52,487	\$ 17,124 52,487	\$ <u>18,641</u> 52.487	\$ 16,410 52.487	\$ 16,286 52,487	\$ 14,631 52.487	\$ 16,208 52,487
23	SO2 Allowance Credits			\$ (40,835)	\$ (44,767)	\$ (23,122)	\$ (21,476)			
24	HMPL SO2(ktons) - emitted			4.174	4.269	4.251	4.101	4.061	4.281	4.279
25 26	HMPL SO2(ktons) - REQUIRED for compliance HMPL Allowances		uatera se una instalan (rathe	4.174 11.694	4.269	8.502 11.694	8.201 11.694	8.123 11.694	8.562 11.694	8.558 11.694
	Excess HMPL Allowances Back to City (30% of net)			2.256	2.228	0.957	1.048	1,071	0.940	0.941
28	Allowance \$ to City			\$ 1,755	\$ 1,900	\$ 422	\$ 429	\$ 424	\$ 351	
29 30										
	NOx Price		nanasiania mbadi denbihatasi	\$ 763	\$ 2,847	\$ 2,409	\$ 2,155	\$ 1,985	\$ 1,900	\$ 1,909
32	NOx(ktons)			5.046	13.896	13.892	13.202	13.196	13.365	13.275
33	NOx Emissions Alloc to City (ktons)			0.107	0,286	0.286	0.287	0.301	0.302	0.301
	Net NOx Emissions NOx cost(\$000)		·	4.939 \$ 3,768	\$ 38,755	\$ 32,774	12.916 \$ 27,831	12.895 \$ 25,597	13.063 \$ 24,817	12.974 \$ 24,769
	NOx Allowances			4.799	11.398	11.398	11.398	11.398	11.398	11.398
37	NOx Allowances Alloc to City (ktons)			0.147	0.326	0.326	0.327	0.341	0.342	0.341
	Net NOx Allowances			4.652	11.072	11.072	11,071	11.057 \$ (21,949)	11.056	11.057
40	NOx Allowance Credits			\$ (3,549)	\$ (31,528)	\$ (26,670)	<u>\$ (23,857)</u>	\$ (21,949)	\$ (21,005)	\$ (21,109)
	Net Emissions Costs			\$ (20,864)	\$ (18,516)	\$ 2,044	\$ (662)	\$ (415)	\$ (815)	\$ (410)
42										
	Market Purchases			356	286	193	462	901	544	374
	Purchased GWh Price per MWh			- 256 \$ 44.87	\$ 53.53	\$ 53.88	463 \$ 51.18	- 381 \$ 48.73	\$ 43.89	\$ 46.92
	Purchases - \$			\$ 11,480	\$ 15,303	\$ 10,411	\$ 23,676	\$ 18,569	\$ 23,857	
47										
	Smelter Sales			(7.517)	(2 302)	(7 107)	(7 202)	(7.747)	(7.707)	(7.2073)
<u>49</u> 50	Smelter GWh Price per MWh			(7,317) \$ 27.05	(7,297) \$ 27.05	(7,297) \$ 27.05	(7,297) \$ 30.25	(7,317) \$ 30.25	(7,297) \$ 30.25	(7,297) \$ 30.25
	Smelter Revs				\$ (197,386)					
52										i .
	Henderson Seles			(634)	(632)	(632)	(632)	(666)	(666)	(666)
	Henderson GWh - at Gen Bus Price per MWh	Aundula bedreef errendeba	*****	\$ 20.37	\$ 20.83	\$ 22.77	\$ 23.28	\$ 23.57	\$ 23.71	
56	Contract Revs			\$ (12,919)	\$ (13,174)	\$ (14,396)		\$ (15,688)	\$ (15,786)	\$ (15,962)
	Payments to HMPL (@ \$1.50/MWh)	e boole, no a situ modelamen	, - un baix // / mark men un b	\$ 312	\$ 311	\$ 311	\$ 311	\$ 331	\$ 327	\$ 327
58 59	Contract Sales					1	<u> </u>			
	Contract Sans			-	-		ļ		*	~
61	Price per MWh		1 - 10-10-10-10 - 10-10-10-10-10-10-10-10-10-10-10-10-10-1	\$ -	\$ .	\$ .	\$ -	\$ .	ş	\$ -
62	Contract Revs			\$	\$	\$	\$	\$	\$	<u>.</u>
63 64	Market Sales					<u> </u>			L	<u> </u>
	Market GWh			(1,614)	(1,493)	(1,613)	(1,319)	(1,211)	(1,199)	(1,171)
66	Price per MWh			\$ 45.01	\$ 48.89	\$ 47.12	\$ 47.83	\$ 46.04	\$ 49.03	\$ 49.45
	Market Revs	ļ	ļ	\$ (72,633)	\$ (73,011)	\$ (76,015)	\$ (63,109)	\$ (55,762)	\$ (58,797)	\$ (57,921)
68 69			1	<u></u>			: I			l
	Total System Costs			\$ (43,328)			\$ 6,170	\$ 14,000	\$ 26,378	
71	Native Load	I		3,409	3,501	3,584	3,674	3,760	3,852	3,939
	Native Load Cost per MWh			(12.71)	(9.53)	1.31	1.68	3.72	6.85	7.53
7 <u>3</u> 74	Gross System Costs		un)	\$ 239,840	\$ 249,882	\$ 292,196	\$ 304,428	\$ 306,460	\$ 321,370	\$ 323,936
75	Gross Source GWh	<u> </u>		13,070	13,020	13,224	13,021	13,057	13,118	13,178
	Average System per MWh			18,350	19.192	22.095	23.379	23.471	24.498	24.581
77 78		<b>[</b>			l 					
79						[ · · · · · · · · · · · · · · · · · · ·	Ì	İ		
80	Sources and Uses of Energy					<u> </u>				
	Sources	·			19.454	1000	10 000	10.075	10 300	
82 83	System Gen SEPA		1	12,511 304	12,431 303	12,726	12,253 305	12,373 303	12,308 266	12,537 267
	Market Purchases		<u> </u>	256	286	193	463	381	544	374
85	Total Sources	E		13,070	13,020	13,224	13,021	13,057	13,118	13,178
86			ļ			<u> </u>				{
	Uses Native Load			3,409	3,501	3,584	3,674	3,760	3,852	3,939
89										
90	Smelter Load	ļ	ļ	7,317	7,297	7,297	7,297	7,317	7,297	7,297
	Henderson Load			628	627	627	627	660	660	660
	Sales Load Mkt Sales			1,614	1,493	1,613	1,319	1,211	1,199	- 1,171
£ 93 I			·							
94	Losses Total Uses			102 13,070	102	103	104	109 13,057	110 13,118	112 13,178

1	A Resource Costs	<u>к</u> 2015	L 2016	M 2017	N 2018	0 2019	P 2020	Q 2021	R 2022	5 2023
	D8Wilson	\$ 72,453		\$ 68,686						
3	HMPL1	\$ 27,728	\$ 29,937	\$ 28,377	\$ 31,365	\$ 28,051	\$ 29,663	\$ 31,019	\$ 33,483	\$ 31,034
	HMPL2 Coleman 1	\$ 30,931 \$ 27,675	\$ 29,590 \$ 27,859	\$ 31,763 \$ 24,208			\$ 28,747	\$ 33,865 \$ 29,749	\$ 32,846	\$ 34,184 \$ 28,518
6	Coleman 2	\$ 26,907	\$ 22,333	\$ 28,081	\$ 28,542	\$ 26,198	\$ 28,508	\$ 29,239	\$ 27,606	\$ 30,341
	Coleman 3	\$ 25,379	\$ 28,131	\$ 28,518	\$ 27,112		\$ 29,651	\$ 26,177	\$ 30,932	\$ 31,156
	Reid ST	\$ 1,213 \$ 697	\$ 4,579 \$ 757	\$ 7,098 \$ 993	\$ 1,437 \$ 788	\$ 748	\$ 2,131 \$ 824	\$ 2,315 \$ 835	\$ - \$ 897	\$ 932
	Green 1	\$ 49,101	\$ 45,236	\$ 49,730	\$ 46,320		\$ 49,408	\$ 52,864	5 44,737	\$ 54,343
	Green 2	\$ 42,116	\$ 46,865	\$ 44,381	\$ 46,716	\$ 42,919	\$ 48,711	\$ 48,773	\$ 51,596	\$ 50,436
12 13								·		<u>  </u>
14	SEPA	\$ 7,948	\$ 7,944	\$ 7,971	\$ 8,117		\$ 8,293	\$ 8,373		
15	Total Op Costs	\$ 312,148	\$ 321,255	\$ 320,006	\$ 327,982	\$ 324,137	\$ 335,860	\$342,464	\$344,882	\$350,578
	Emissions Costs					<u> </u>		+	+	
18	SO2 Price	\$ 317	\$ 265	\$ 216	\$ 125	\$ 51	\$ 48	\$ 47	\$ 39	\$ 37
	SO2(ktons) - emitted SO2(ktons) - REQUIRED for compliance	20.336	20.806 59.504	19.359 55.367	20.823	19.986	20.516			
	SO2 cost(\$000)	\$ 18,442	\$ 15,796	\$ 11,973		57.161 \$ 2,922				
22	SO2 Allowances	52.487	52.487	52,487	52.487	52.487	52.487	52,487	52.487	52.487
	502 Allowance Credits	\$ (16,643) 4.262	<u>\$ (13,933)</u> 4,238	\$ (11,350) 4.228	\$ (6,552) 4.248	\$ (2,683) 4.065	\$ (2,511) 3.867	\$ (2,468) 4,315		
25	HMPL SO2(ktons) - emlited HMPL SO2(ktons) - REQUIRED for compliance	12.189	12,122	12.093	12.148		11,060			
25	HMPL Allowances	11.694	11.694	11.694		11.694	11.694			
	Excess HMPL Allowances Back to City (30% of net) Allowance 5 to City	- s •	- \$-	- s -	- S -	0.020	0.190	- -	- \$ -	-
Z9	Allowarice \$ to City	<u>s</u>		. <u>*</u>	.7	<u> </u>				
30					1			1	1	
	NOx Price NOx(ktons)	\$ 1,869 13.416	\$ 1,748 13.290	\$ 1,625 13.315	\$ 1,569 13.361	\$ 1,510 3.114		\$ 1,523 13.489		\$ 1,527 13.588
33	NOx Emissions Alloc to City (ktons)	0.301	0.301	0.301	0.301	0.301		0.301		
	Net NOx Emissions	13.115	12.988	13.014	13.060	12.813	13.164	13.188	12.936	13.288
	NOx cost(\$000) NOx Allowances	\$ 24,518 9.285	\$ 22,708 9.285	\$ 21,154 8.832	\$ 20,485 8.638	\$ 19,352 8,494		\$ 20,087		
	NOx Allowances Alloc to City (ktons)	0.341	0.341	0.341	0.341	0.341		0.341		
38	Net NOx Allowarices	8.944	8.944	8,491	8.297	8.153	7.948	7.713	7.491	7.419
39 40	NDx Allowance Credits	\$ (16,721)	\$ (15,637)	\$ (13,802)	\$ (13,014)	\$ (12,313)	\$ (12,085)	\$ (11,748)	\$ (11,427)	\$ (11,333)
41	Net Emissions Costs	\$ 9,596	\$ 8,934	\$ 7,974	\$ 8,353	\$ 7,279	\$ 8,237	\$ 8,628	\$ 8,573	\$ 9,173
42								ļ	ļ	
	Market Purchases Purchased GWh	424	419	718	471	662	530	553	624	712
	Price per MWh	\$ 48,93	\$ 48.57	\$ 49.27	\$ 45.27	\$ 48.71	\$ 52.10	\$ 59.38		\$ 59.64
46	Purchases - \$	\$ 20,727	\$ 20,330	\$ 35,360	\$ 21,813	\$ 32,248	\$ 27,610	\$ 32,822	\$ 34,943	\$ 42,448
47	Smelter Sales							<u> </u>	+	
49	Smelter GWh	(7,297)	(7,317)	(7,297	(7,297)	(7,297	(7,317	(7,297	(7,297	(7,297)
	Price per MWh	\$ 30.25	\$ 33,00	\$ 33.00	\$ 33.00	\$ 33.00	\$ 33.00	\$ 36.50	\$ 36.50	\$ 35.50
51 52	Smelter Revs	\$ (220,737)	\$ (241,463)	\$ (240,804)	\$ (240,804)	\$ (240,804	\$ {241,463	\$ (266,343)	) \$ (266,343	\$ (266,343)
	Henderson Sales			1					1	1
	Henderson GWh - at Gen Bus	(666)	(666)	(666	(666	(666				(666)
	Price per MWh Contract Revs	\$ 24.61 \$ (16,384)	\$ 25.11 \$ (16,715)	\$ 25.43	\$ 25.77	\$ 26,53 \$ (17,661				\$ 27.80 \$ (18,503)
	Payments to HMPL (@ \$1.50/NWh)	\$ 327	\$ 331			\$ 327				
58								ļ	<u> </u>	ļ
	Contract Sales Contract GWh	·			<u> </u>		-		· .	
	Price per MWh	\$-	\$ -	\$ -	\$ -	\$	s -	\$ -	\$ -	\$ -
	Contract Revs	\$ -	\$ -	\$ -	\$-	\$ -	\$ -	\$ -	\$ -	\$ -
63 64	Market Sales			+		}		+	+	+
65	Market GWh	(1,117)	(1,082)	(915	(986	(695				) (700)
66	Price per MWh	\$ 51.13	\$ 50.09	\$ 51.19	\$ \$2.10	\$ 54.81	\$ 54.95			\$ 56.30
67 68	Market Revs	\$ (57,108)	\$ (54,212)	\$ (46,844	\$ (51,383	\$ (38,120	\$ (39,423	) \$ (39,989	) \$ (39,085	) \$ (39,397)
69					1	1	1			1
70	Total System Costs	\$ 48,559 4 032	\$ 38,460	\$ 59,090	\$ 49,132	\$ 67,407		\$ 60,015	\$ 65,009	\$ 78,282
71	Native Load Native Load Cost per MWh	4,032	9,33	4,217	4,308	4,404				
73								1		I
74	Gross System Costs	\$ 342,471	\$ 350,520	\$ 363,340	\$ 358,148	\$ 363,663	\$ 371,708	\$ 383,915		
	Gross Source GWh Average System per MWh	13,217 25.912	13,296 26.363	13,203		13,173				
77			1	1	1	1		1	1	1
78			Į						-	
79	Sources and Uses of Energy			+	+		+	+	+	+
81	Sources	[		1		<u> </u>	1	<u> </u>		
	System Gen	12,526	12,611	12,218						
	SEPA Market Purchases	267	267	268		266				
85	Total Sources	13,217	13,296	13,203		13,173				
86	1	<u> </u>		<u> </u>		<u> </u>		+		4
	Uses Native Load	4,032	4,122	4,217	4,308	4,404	4,498	4,596	4,691	4,786
89						1		1	·	
	Smelter Load	7,297	7,317	7,297		7,297				
	Henderson Load Sales Load	660	660	660	660	660	660	660	660	650
93	Mkt Sales	1,117	1,082	915		695				700
94	Losses	111	115	114	117	116				
95	Totel Uses	13,217	13,296	13,203	13,367	13,173	13,312	13,420	13,452	13,562

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ntityName			2008	2009	2010	2011	2012		2014
) B Wilson 1			420	417	417	417	417	417	417
	Min Capacity(MW)		200	325	325	325	325	325	325
	Generation(GWh)		3,078	2,967	3,331	3,109	3,297	2,949	3,310
	Annual Cap. Fac.		83.62%	81.22%	91.18%	85.12%	90.01%		90.61%
	Fuel used(GBtu)		34,196	32,943	37,077	34,632	36,191	31,803	35,707
	Coal(Tons)		86,778	1,432,318	1,612,064	1,505,741	1,573,503	1,382,755	1,552,458
	Heat Rate		11.111	11.104	11.132	11.139		10.783	10.787 \$ 63.558
	Fuel cost(\$000)		53,346	\$ 41,377	\$ 47;682 \$ 1.286		\$ 54,906		\$ 1,780
	Fuel Cost per MMBTu		1.560			\$ 1.288	\$ 1.517		
	VOM cost(\$000)	\$``	5,851	\$ 7,328	\$ 8,460	\$ 8,145	\$ 8,623	\$ 7,669	
	VOM per MWh		1.901	\$ 2.470	\$ 2.540	\$ 2.620	\$ 2:616		
	Num starts(.)		11	10	11	10	. 10	9	10 .54
	Start Fuel used(G8tu)	<u>_</u>	69	66	.72	55	52	56	
	Start cost(\$000)	<u>\$</u>	2,206	\$ 2,127	\$ 2,313	\$ 1,783	\$ 1,675	\$ 1,829	\$ 1,760
	Total Operating Cost (\$000)	\$	61,402	\$ 50,832	\$ 58,455	\$ 54,535	\$ 65,203	\$ 65,790	\$ 74,156
······	Op Cost per MWh	\$		\$ 17.13	\$ 17.55	\$ 17.54	\$ 19.78		\$ 22.40
			2000	2000		2011	201	2 2013	201
ntityName	May Connain (Mill)	<u> </u>	2008 153	2009 153	2010	152	201		152
IMPL 1	Max Capacity(MW)		110	140	140	140	140		140
	Min Capacity(MW)		1,210	140	1,203	1,038	1,214		1,213
	Generation(GWh)	······································	90.17%	83.92%	90.26%				90.959
· · · ·	Annual Cap. Fac.		13,055	12,154	13,029	11,237	13,145		13,135
	Fuel used(GBtu)		13,055		5566;467		571,542		571,073
	Coal(Tons)			528,416	10.826		10.830		10.831
	Heat Rate		10.794	10.826	A Parks a same				\$ 23,245
	Fuel cost(\$000)		20,627	\$ 19,203	\$ 22,605				
	Fuel Cost per MMBTu	\$	1.580		\$ 1.735		\$ 1.742		
	VOM cost(\$000)	`\$``	-2,921	\$ 3,233	\$ 3,695		\$ 4,527		
	VOM per MWh		2,415		\$ 3.070		\$ 3.730		\$ 3,940
	Num starts(.)		15	<u>15</u>	16		1		15
	Start Fuel used(GBtu)	() {	. 29	28	30		2		28
	Start cost(\$000)	- <b>\$</b> /}	916	\$ 900	\$ 954	\$ 1,235	\$ 76.	\$ 842	\$ 928
	Total Operating Cost (\$000)		24,464	\$ 23,336	\$ 27,254	\$ 24,334	\$ 28,18	\$ 26,992	\$ 28,95
	Op Cost per MWh	e	20.23	\$ 20,79	\$ 22.65		\$ 23.2		\$ 23.86
	Op cost per www	·	-LUILU	1 20,75	1 22.03	1	4 2.012		4
EntityName	T	1.1	2008	2009	201	0 2011			201
HMPL 2	Max Capacity(MW)		159	158	158	158	15	158	155
	Min Capacity(MW)		110	140	140	140	14	140	14
						140		140	14( 1,18(
	Min Capacity(MW) Generation(GWh)		110.	140 1,266	140 1,175	140 1,256	144 1,05 76,10	140 1,252 6 90.38%	14( 1,18(
	Min Capacity(MW)		110. 1,133	140 1,266	140 1,175	140 1,256 6 90.60%	144 1,051	140 1,252 6 90.38%	14( 1,18( 85.18 12,79
······	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu)		110 1,133 81.24%	140 1,266 91.43%	140 1,175 84:779	140 1,256 6 90.60% 13,612	144 1,05 76,10	140 1,252 6 90.38% 13,578	14( 1,18( 85.18 12,79
	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons)		110 1,133 81.24% 12,239	140 1,266 91.43% 13,717	140 1,175 84.779 12,733	140 1,256 6 90.60% 13,612 591,814	14 1;05 5 76:10 11,46	140 1,252 90.38% 13,578 590,358	14( 1,18( 85.18 12,79 556,380 10.84
······································	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate		110 1,133 81.24% 12,239 532,145	140 1,266 91.43% 13,717 596,388 10.839	140 1,175 84.779 12,733 553,629	140 1,256 90.60% 13,612 591,814 10.841	14( 1,05) 5 76:10 11,46( 498,51)	140 1,252 6 90.38% 13,578 590,358 10.841	14( 1,18( 85.18 12,79 556,380 10.84
	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000)		110 1,133 81.24% 12,239 532,145 10,807 19,338	140 1,266 91.43% 13,717 596,388 10.839	140 1;175 84:779 12,733 553,629 10.839	140 1,256 90.60% 13,612 591,814 10.841 \$ 23,657	144 1,051 76.10 11,46 498,51 10.84 \$ 19,97	40 1,252 6 90.38% 13,578 590,358 10.841 3 \$ 23,898	14( 1,18( 85.18 12,79 556,38( 10.84( \$ 22,65(
	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel cost(\$000) Fuel cost per MMBTu		110 1,133 81.24% 12,239 532,145 10,807 19,338 1.580	140 1,266 91.43% 13,717 596,388 10.839 \$ 21,673 \$ 1.580	140 1;175 84:779 12,733 553,629 10,839 \$ 22,093 \$ 1,735	140 1,256 90.60% 13,612 591,814 10.841 \$ 23,657 \$ 1.738	144 1,054 76.10 11,466 498,51 10,84 \$ 19,97 \$ 1.74	140 1,252 90.38% 13,578 590,358 590,358 10.841 \$ 23,898 \$ 1.760	140 1,180 85.185 12,79 556,380 10.844 \$ 22,650 \$ 1,776 \$ 4,65
	Min Capacity(MW)         Generation(GWh)           Annual Cap, Fac.         Fuel used(GBtu)           Coal(Tons)         Heat Rate           Fuel cost(\$000)         Fuel cost(\$000)           Fuel Cost per MMBTu         VOM cost(\$000)		110 1,133 81.24% 12,239 532,145 10,807 19,338	140 1,266 91.43% 13,717 596,388 10.839 \$ 21,673 \$ 1.580 \$ 3,645	140 1;175 84:779 12,733 553,629 10.839 \$ 22,093	140 1,256 90.60% 13,612 591,814 591,814 10.841 \$ 23,657 \$ 1.738 \$ 4,319	144 1,055 76.10 11,46 498,51 10,84 \$ 19,97 \$ 1.74 \$ 3,94	140 1,252 90.38% 13,578 590,358 590,358 10.841 \$ 23,898 \$ 1.760 \$ 4,809	140 1,180 85.185 12,79 556,380 10.844 \$ 22,650 \$ 1,776 \$ 4,65
	Min Capacity(MW) Generation(GWh) Generation(GWh) Coal(Tons) Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWh		110 1,133 81.24% 12,239 532,145 10.807 19,338 1.580 2,754	140 1,266 91.43% 13,717 596,388 10.839 \$ 21,673 \$ 1.580 \$ 3,645	140 1,175 84.779 12,733 553,629 10.839 \$ 22,093 \$ 22,093 \$ 1,735 \$ 3,607	140 1,256 90,60% 13,612 591,814 10,841 \$ 23,657 \$ 1,738 \$ 4,319 \$ 3,440	144 1,055 76.10 11,46 498,51 10,84 \$ 19,97 \$ 1.74 \$ 3,94	140 1,252 6 90.38% 13,578 590,358 10.841 \$ 23,898 \$ 1.760 \$ 4,809 \$ 3.840	144 1,186 85.18 12,79 556,381 10.84 \$ 22,65 \$ 1.77 \$ 4,65 \$ 3,94
	Hin Capacity(HW)         Generation(GWh)           Annual Cap, Fac.         Fuel used(GBtu)           Coal(Tons)         Heat Rate           Fuel cost(\$000)         Fuel cost(\$000)           Fuel cost (\$000)         VOM cost(\$000)           VOM cost(\$000)         VOM cost(\$000)           VOM cost(\$000)         Nom starts(.)		110 1,133 81.24% 12,239 532,145 10.807 19,338 1.580 2,754 2,431	140 1,266 91.43% 13,717 596,388 10.839 \$ 21,673 \$ 1,580 \$ 3,645 \$ 2,880	140 1;175 84.779 12,733 553,629 10,839 \$ 22;093 \$ 1,735 \$ 3,507 \$ 3,507	140 1,256 90,60% 13,612 591,814 10.841 \$ 23,657 \$ 1.738 \$ 4,319 \$ 3,440 17	144 1;051 26:10 498,511 10,84 \$ 19,97 \$ 1.74 \$ 3,94 \$ 3,73 2	140 1,252 90,38% 350,358 10.841 \$23,698 \$1.760 \$4,809 \$3.840 17	144 1,18 85.18 12,79 556,38 10.84 \$ 22,65 \$ 1.77 \$ 4,65 \$ 3.94 1
	Min Capacity(MW)         Generation(GWh)           Generation(GWh)         Annual Cap. Fac.           Fuel used(GBtu)         Coal(Tons)           Heat Rate         Fuel cost(\$000)           Fuel cost(\$000)         Fuel Cost per MMBTu           VOM cost(\$000)         VOM per MMM           Num starts(.)         Start Fuel used(GBtu)		110 1,133 81.24% 12,239 532,145 10.807 19,338 1.580 2,754 2,431 19	140 1,266 91,43% 13,717 596,388 10.839 \$ 21,673 \$ 1,580 \$ 2,673 \$ 1,580 \$ 3,645 \$ 2,880 17	140 1;175 84:779 12,733 553,629 10.839 \$ 22;093 \$ 1,733 \$ 3,607 \$ 3,077 \$ 3,077	140 1,256 \$ 90.60% 13,612 \$ 591,814 10.841 \$ 23,657 \$ 1,738 \$ 4,319 \$ 3,440 0 1 17 34	144 1;059 26:10 498;51 10:84 \$ 19:97 \$ 1:74 \$ 3:94 \$ 3:73 \$ 2 2 4	140 1,252 6 90,38% 5 13,578 5 90,358 10,841 \$ 23,898 \$ 1,760 \$ 4,809 \$ 3,840 3 17 4 34	144 1,18 85,18 12,79 556,38 10,84 \$ 22,65 \$ 1,77 \$ 4,65 \$ 3,94 1 3
	Hin Capacity(HW)         Generation(GWh)           Annual Cap, Fac.         Fuel used(GBtu)           Coal(Tons)         Heat Rate           Fuel cost(\$000)         Fuel cost(\$000)           Fuel cost (\$000)         VOM cost(\$000)           VOM cost(\$000)         VOM cost(\$000)           VOM cost(\$000)         Nom starts(.)		110 1,133 81.24% 12,239 532,145 10,807 19,338 1.580 2,754 2,431 19 36	140 1,266 91,43% 13,717 596,388 10,839 \$ 21,673 \$ 1,580 \$ 3,645 \$ 2,880 17 34	140 1;175 84:779 12,733 553,629 10.839 \$ 22;093 \$ 1.735 \$ 3,607 \$ 3,077 \$ 3,077 \$ 3,077	140 1,256 5 90.60% 13,612 591,814 10.841 \$ 23,657 \$ 1,738 \$ 4,319 \$ 3,440 10 17 34	144 1;059 26:10 498;51 10:84 \$ 19:97 \$ 1:74 \$ 3:94 \$ 3:73 \$ 2 2 4	140 1,252 6 90,38% 5 13,578 5 90,358 10,841 \$ 23,898 \$ 1,760 \$ 4,809 \$ 3,840 3 17 4 34	144 1,18 85,18 12,79 556,38 10,84 \$ 22,65 \$ 1,77 \$ 4,65 \$ 3,94 1 3
	Min Capacity(MW)         Generation(GWh)           Annual Cap, Fac.         Fuel used(GBtu)           Coal(Tons)         Heat Rate           Fuel cost(\$000)         Fuel cost(\$000)           Fuel cost(\$000)         VOM cost(\$000)           VOM cost(\$000)         VOM cost(\$000)           VOM cost(\$000)         Start Fuel used(GBtu)           Start Fuel used(CBtu)         Start cost(\$000)		110 1,133 81.24% 12,239 532,145 10,807 19,338 1.580 2,754 2,431 19 36	140 1,266 91,43% 13,717 596,388 10,839 \$ 21,673 \$ 1,580 \$ 3,645 \$ 2,880 17 34	140 1;175 84:779 12,733 553,629 10,835 \$ 22;093 \$ 1,735 \$ 3,607 \$ 3,077 \$ 3,077 \$ 3,077 \$ 3,077 \$ 3,077	140 1,256 90.60% 13,612 591,814 10,841 \$ 23,657 \$ 1,738 \$ 4,319 \$ 3,440 17 \$ 1,082 \$ 4,319 \$ 3,440 17 3 4 \$ 3,642	144 1.059 76.10 11,46 499,51 10,84 \$ 19,97 \$ 1.74 \$ 3,94 \$ 3,73 \$ 3,73 \$ 1,74 \$ 3,73 \$ 1,74 \$ 3,73 \$ 1,42 \$ 1,42 \$ 1,42 \$ 1,42 \$ 1,42 \$ 1,42	140 1,252 90,38% 590,358 10.841 \$23,898 \$1.760 \$4,809 \$3.840 \$3.840 \$1.760 \$4,809 \$3.840 \$1.760 \$4,809 \$3.840 \$1.760 \$3.840 \$3.840 \$1.760 \$3.840\$\$3.840\$\$\$3.840\$\$\$\$3.840\$\$\$\$3.840\$\$\$\$3.840\$\$\$\$3.840\$\$\$\$\$3.840\$\$\$\$\$3.840\$	144 1,184 85,185 12,79 556,384 10.844 \$ 22,655 \$ 1,774 \$ 4,65 \$ 3,944 1 3 3 \$ 1,13
	Min Capacity(MW)         Generation(GWh)           Generation(GWh)         Annual Cap. Fac.           Fuel used(GBtu)         Coal(Tons)           Heat Rate         Fuel cost(\$000)           Fuel cost(\$000)         Fuel Cost per MMBTu           VOM cost(\$000)         VOM per MMM           Num starts(.)         Start Fuel used(GBtu)	\$ \$ \$ * *	110. 1,133 81.24% 12,239 532,145 10.807 19,338 1.580 2,754 2,431 19 36 1,161	140 1,266 91,43% 13,717 596,388 10,839 \$ 21,673 \$ 1,580 \$ 3,645 \$ 2,880 17 34 \$ 1,100	140 1;175 84.779 12,733 553,629 10,835 \$ 22;093 \$ 1,735 \$ 3,607 \$ 3,077 \$ 3,077 \$ 3,077 \$ 3,077 \$ 3,077	140 1,256 90.60% 13,612 591,814 10.841 \$ 23,657 \$ 1.738 \$ 4,319 \$ 3.440 17 3 4 \$ 1.082 \$ 1.082 \$ 3.490 17 \$ 3.440 17 \$ 3.440 17 \$ 3.440 17 \$ 3.440 17 \$ 3.440 17 \$ 3.451 \$ 3.452 \$ 1.738 \$ 4.319 \$ 3.440 17 \$ 3.440 17 \$ 3.440 17 \$ 3.452 \$ 1.738 \$ 4.319 \$ 3.440 17 \$ 3.452 \$ 1.738 \$ 3.452 \$ 1.738 \$ 3.455 \$ 1.738 \$ 3.455 \$ 1.738 \$ 3.455 \$ 1.738 \$ 3.455 \$ 1.738 \$ 3.455 \$ 1.738 \$ 3.455 \$ 3.555 \$ 3.5555 \$ 3.5555 \$ 3.5555 \$ 3.5555 \$ 3.5555 \$ 3.5555 \$ 3.5555 \$ 3.55555 \$ 3.555555 \$ 3.5555555555 \$ 3.555555555555555555555555555555555555	144 1.059 76.10 11,464 499,51 10,84 \$ 19,97 \$ 1.74 \$ 3,94 \$ 3,73 \$ 3,73 \$ 1,74 \$ 3,73 \$ 1,74 \$ 3,73 \$ 1,74 \$ 3,73 \$ 1,42 \$ 3,73 \$ 1,42 \$ 1,42 \$ 3,73	140 1,252 90,38% 590,358 10.841 \$23,898 \$1.760 \$4,809 \$3.840 \$3.840 \$1.760 \$4,809 \$3.840 \$1.760 \$4,809 \$3.840 \$1.760 \$3.840 \$3.840 \$1.760 \$3.840\$\$3.840\$\$3.8	14( 1,18( 85.18° 12,79; 556,38( 10.84( \$22,65( \$1.77( \$4,65; \$3.94( 1,13) \$1.13( \$1.13) \$1.13(
	Min Capacity(MW)           Generation(GWh)           Annual Cap. Fac.           Fuel used(GBtu)           Coal(Tons)           Heat Rate           Fuel cost(\$000)           Fuel cost(\$000)           Fuel cost(\$000)           VOM cost(\$000)           VOM cost(\$000)           VOM cost(\$000)           Start Fuel used(GBtu)           Start cost(\$000)           Total Operating Cost (\$000)	\$ \$ \$ * *	110 1,133 81 24% 12,239 532,145 10,807 19,338 1,580 2,754 2,431 19 36 1,161 23,253	140 1,266 91,43% 13,717 596,380 10.839 \$ 21,673 \$ 1,580 \$ 3,645 \$ 2,880 17 34 \$ 1,100 \$ 26,417	140 1;175 84.779 12,733 553,629 10.839 \$ 22,093 \$ 1.735 \$ 3,607 \$ 3.070 \$ 3.070 \$ 3.070 \$ 3.189 \$ 3,189 \$ 26,886	140 1,256 90.60% 13,612 591,814 10.841 \$ 23,657 \$ 1.738 \$ 4,319 \$ 3.440 17 3 4 \$ 1.082 \$ 1.082 \$ 3.490 17 \$ 3.440 17 \$ 3.440 17 \$ 3.440 17 \$ 3.440 17 \$ 3.440 17 \$ 3.451 \$ 3.452 \$ 1.738 \$ 4.319 \$ 3.440 17 \$ 3.440 17 \$ 3.440 17 \$ 3.452 \$ 1.738 \$ 4.319 \$ 3.440 17 \$ 3.452 \$ 1.738 \$ 3.452 \$ 1.738 \$ 3.455 \$ 1.738 \$ 3.455 \$ 1.738 \$ 3.455 \$ 1.738 \$ 3.455 \$ 1.738 \$ 3.455 \$ 1.738 \$ 3.455 \$ 3.555 \$ 3.5555 \$ 3.5555 \$ 3.5555 \$ 3.5555 \$ 3.5555 \$ 3.5555 \$ 3.5555 \$ 3.55555 \$ 3.555555 \$ 3.5555555555 \$ 3.555555555555555555555555555555555555	144 1.059 76.10 11,464 499,51 10,84 \$ 19,97 \$ 1.74 \$ 3,94 \$ 3,73 \$ 3,73 \$ 1,74 \$ 3,73 \$ 1,74 \$ 3,73 \$ 1,74 \$ 3,73 \$ 1,42 \$ 3,73 \$ 1,42 \$ 1,42 \$ 3,73	140 1,252 90,38% 590,358 10.841 \$23,898 \$1.760 \$4,809 \$3.840 \$3.840 \$1.760 \$4,809 \$3.840 \$1.760 \$4,809 \$3.840 \$1.760 \$3.840 \$3.840 \$1.760 \$3.840\$\$3.840\$\$3.8	\$ 1.776 \$ 4,651 \$ 3.940 1/ \$ 1.130 \$ 28,43
	Min Capacity(MW)           Generation(GWh)           Annual Cap. Fac.           Fuel used(GBtu)           Coal(Tons)           Heat Rate           Fuel cost(\$000)           Fuel cost(\$000)           Fuel cost(\$000)           VOM cost(\$000)           VOM cost(\$000)           VOM cost(\$000)           Start Fuel used(GBtu)           Start cost(\$000)           Total Operating Cost (\$000)	\$ \$ \$ * *	110. 1,133. 81.24% 12,239 532,145. 10,807 19,338 1,580 2,754. 2,431 19 36 - 1,161 23,253 20,53	140 1,266 91,43% 13,717 596,388 10,839 \$ 21,673 \$ 1,580 \$ 3,645 \$ 2,860 17 34 \$ 1,100 \$ 26,417 \$ 20,87	140 1,175 84.779 12,733 533,629 10,839 \$ 22,003 \$ 1,735 \$ 3,607 \$ 3,607 \$ 3,607 \$ 3,607 \$ 3,607 \$ 3,607 \$ 3,617 \$ 3,62 \$ 3,62 \$ 3,62 \$ 3,62 \$ 1,735 \$ 3,62 \$ 3,	140           1,256           90,60%           13,612           591,814           10,841           \$ 23,657           \$ 1,738           \$ 4,319           \$ 3,440           17           \$ 4,319           \$ 3,440           \$ 1,082           \$ 29,059           \$ 23,14	144 1,055 5751,004 499,51 10,84 \$19,97 \$1,74 \$3,94 \$3,94 \$3,74 \$3,94 \$3,73 \$1,74 \$3,94 \$3,73 \$25,34 \$25,34	140           1,252           90.38%           13,578           350,358           10.841           \$ 23,898           \$ 1.760           \$ 4,809           \$ 3.840           \$ 3.840           \$ 1,088           \$ 1,088           \$ 1,088           \$ 29,795           \$ 23,799	144 5,186 85,187 12,797 556,381 10,844 \$ 22,653 \$ 12,77 \$ 4,65 \$ 3,944 1, 3 3,944 1,13344 1,13344 1,13344 1,13344 1,133444 1,1334444444444
EntityName	Min Capacity(MW) Generation(GWh) Annual Cop. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh	\$ \$ \$ * *	110. 1,133. 81.24% 12,239 532,145. 10.807 19,338 1.580 2,754. 2,431 19 36 - 1,161 23,253 20.53 20.53	140 1,266 91.43% 13,717 595,388 10.839 \$ 21,673 \$ 1,580 \$ 3,645 \$ 2.880 17 34 \$ 1,100 \$ 26,417 \$ 20.87 2.087 2.087	140 1175 84.779 12,733 553,629 10,833 5 2,033 5 1,735 5 3,607 5 3,007 5 3,	140 1425 5 90.60% 13.612 591.814 \$ 23.657 \$ 1.738 \$ 4.319 \$ 3.440 17 \$ 3.440 17 \$ 3.440 3 4.410 \$ 3.440 17 \$ 3.440 0 2.011 2 3.440 10.82 1.082 2 3.440 2 3.440 3 4.400 3 4.400 3 4.400 3 4.400 3 4.400 3 4.400 3 4.400 3 5.4400 3 5.44000 3 5.4400 3 5.4400 3 5.4400 3 5.44000 3 5.44000 3 5.44000 3 5.44000 3 5.44000 3 5.44000 3 5.440000 3 5.4400000000000000000000000000000000000	144 1,059 76,100 11,466 499,51 10,84 \$ 19,97 \$ 1,74 \$ 3,94 \$ 3,73 2 \$ 3,73 2 \$ 1,74 \$ 3,73 2 \$ 3,73 2 \$ 3,73 2 \$ 3,73 2 \$ 3,73 2 \$ 3,73 2 \$ 3,73 2 \$ 3,73 2 \$ 1,466 \$ 10,84 \$ 10,97 \$ 10,84 \$ 10,97 \$ 10,84 \$ 10,97 \$ 10,76 \$ 10,77 \$ 10,775\$\$\$ 10,775\$\$ 10,775\$\$ 10,775\$\$\$ 10,775\$\$ 10	140           1,252           90,38%           13,578           30,358           10,841           \$ 23,698           \$ 1,660           \$ 4,809           \$ 3,840           \$ 1,088           \$ 1,088           \$ 1,088           \$ 1,088           \$ 1,088           \$ 23,795           \$ 23,795           \$ 23,795           \$ 23,795	144 5.186 55.186 12,79, 555,386 10,844 5,22,655 5,1,774 5,3,944 1,3 5,3,944 1,3 5,3,944 1,3 5,28,43, 5,28,43, 5,24,000 5,24,0000 5,24,0000 5,24,00000000000000000000000000000000000
	Min Capacity(MW) Generation(GWh) Annual Cap, Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Max Capacity(MW)	\$ \$ \$ * *	110 1,133 81.24% 12,239 532,145 10.807 19,338 1.580 2,754, 2,431 19 36 -1,161 23,253 20.53 	140 1,256 91,43% 13,717 596,388 10,839 \$ 21,673 \$ 1,580 \$ 3,645 \$ 2,880 17 34 \$ 1,100 \$ 26,417 \$ 20,87 \$ 20,97 \$ 2009 149	140 1,175 84.779 12,733 553,625 1,0,839 \$ 22,093 \$ 1,735 \$ 3,600 \$ 3,000 \$ 3,600 \$ 3,600 \$ 3,600 \$ 3,600 \$ 3,600 \$ 3,600 \$ 3,000 \$ 2,2,800 \$ 2,2,800 \$ 2,2,800 \$ 3,000 \$ 2,2,800 \$ 2,2,800 \$ 2,2,800 \$ 2,2,800 \$ 2,2,800 \$ 2,000 \$ 3,000 \$ 2,000 \$ 3,000 \$	140 1,256 90,60% 13,612 591,814 \$ 23,657 \$ 1,738 \$ 4,319 \$ 3,440 177 3 4 \$ 29,059 \$ 2,144 \$ 1,082 177 3 4 \$ 29,059 \$ 2,314 \$ 2,059 \$ 2,314 \$ 2,1082 \$ 2,108	144 5.751:00 5.751:00 11.466 499:51 10.844 \$ 19.97 \$ 1.74 \$ 3.94 \$ 3.73 \$ 3.94 \$ 3.73 \$ 3.74 \$ 3.74 \$ 3.74 \$ 3.74 \$ 3.74 \$ 1.42 \$ 2.5,34 \$ 2.5,34 \$ 2.5,34 \$ 2.5,34 \$ 2.25,34 \$ 2.25,345\$ \$ 2.25,345\$ \$ 2.25,345\$ \$ 2.25,345\$ \$ 2.25,345\$ \$	140           1,252           90.38%           13,578           \$590,358           10.841           \$23,898           \$1.760           \$4,809           \$4,809           \$4,809           \$4,809           \$4,809           \$3,840           \$4,809           \$2,795           \$2,795           \$23,795           \$23,795           \$22,795           \$22,795           \$22,795           \$22,795           \$22,791           \$21,791	144 518 5518 52,65 52,65 54,65 53,65 54,65 53,94 10,84 53,95 54,65 53,94 13 524,05 524,05 524,0 5
žntityName	Min Capacity(MW) Generation(GWh) Generation(GWh) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWN Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Min Capacity(MW) Min Capacity(MW)	\$ \$ \$ * *	110. 1,133. 81.24% 12,239 532,145. 10,807 19,338 1,580 2,754, 2,431 19 36. 1,161 23,253 20.53 2006 150 70	140 1,256 91.43% 13,717 596,388 10.839 \$ 21,673 \$ 1,580 \$ 3,645 \$ 3,645 \$ 2,880 17 34 \$ 1,100 \$ 26,417 \$ 20.87 2	140 147 84 779 12,733 553,629 10,833 \$ 22,093 \$ 1,735 \$ 3,007 \$ 3,007 \$ 3,077 \$ 3,077	140 1,255 90,60% 13,612 591,814 \$ 23,657 \$ 1,738 \$ 4,319 \$ 3,440 1 177 \$ 4,319 \$ 4,319 \$ 23,667 \$ 1,738 \$ 4,319 \$ 4,319 \$ 4,319 \$ 4,319 \$ 2,059 \$ 2,059 \$ 2,314 \$ 29,059 \$ 2,314 \$ 29,059 \$ 2,314 \$ 29,059 \$ 2,314 \$ 29,059 \$ 2,314 \$ 29,059 \$ 2,314 \$ 29,059 \$ 2,314 \$ 3,414 \$ 3,4	144 1,059 5,761,000 11,464 499,511 10,844 \$ 19,977 \$ 1,744 \$ 3,944 \$ 3,733 2 4 \$ 3,733 2 4 \$ 4 \$ 25,34 \$ 23,9 1 2 2 4 1 2 1 4 2 1 4 2 3 1 4 2 1 4 2 1 4 4 5 1 4 4 5 1 4 4 5 1 4 4 5 1 4 4 5 1 5 1 4 4 5 1 5 1 7 4 5 1 5 1 7 4 5 1 7 4 5 1 7 4 5 1 7 4 5 1 7 4 5 1 7 4 5 1 7 4 5 1 7 4 5 1 7 4 5 1 7 4 5 1 7 4 5 1 7 2 2 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 7 7 7 7 7 7 7 7 7 7 7 7	140           1,252           90.38%           13,578           590.358           10.841           \$ 23,898           \$ 1.760           \$ 3.840           \$ 3.840           \$ 3.840           \$ 4.809           \$ 3.840           \$ 5.3279           \$ 3.840           \$ 5.323.79           \$ 29,795           \$ 23,79           \$ 20,795	144 518 5518 12,79 555,38 10,844 \$ 22,65 \$ 3,94 1 3 \$ 1,13 \$ 1,13 \$ 24,0 20 14 7
ĨntityName	Hin Capacity(NW)         Generation(GWh)         Annual Cap, Fac.         Fuel used(GBtu)         Coal(Tons)         Heat Rate         Fuel cost(\$000)         Fuel cost(\$000)         VOM per MWh         Num starts(.)         Start Fuel used(GBtu)         Start Fuel used(GBtu)         Start Fuel used(GBtu)         Start Fuel used(CBtu)         Start Fuel used(CBtu)         Start Fuel used(CBtu)         Start Gots per MWh         Max Capacity(MW)         Min Capacity(MW)         Generation(GWh)	\$ \$ \$ * *	110. 1,133 81,24% 12,239 532,145 10,807 19,338 1,580 2,754 2,431 19 36 1,7161 23,253 20,53 2008 150 700 1,025	140 1,266 91.43% 13,717 595,388 10.839 \$ 21,673 \$ 1,580 \$ 3,645 \$ 2,880 17 34 \$ 1,100 \$ 26,417 \$ 20,87 20,97 20,	140 140 84.779 12.733 533,629 10.835 \$ 22.093 \$ 1.735 \$ 3.607 \$ 3.077 \$ 3.	140           1,255           6         90.60%           13,612         591,814           10,841         523,657           \$\$23,657         \$1,738           \$\$4,319         173           \$\$4,319         \$3,440           \$\$23,657         \$1,082           \$\$2,9059         \$23,144           \$\$20,059         \$23,144           \$\$20,059         \$23,144           \$\$20,059         \$23,144           \$\$20,059         \$23,144           \$\$20,059         \$23,144           \$\$20,059         \$23,144           \$\$20,059         \$23,144           \$\$20,059         \$23,144           \$\$20,059         \$23,144           \$\$20,059         \$23,144	144 1,055 751,000 111,466 4990,51 10,844 \$ 19,97 \$ 1,74 \$ 3,94 \$ 3,73 2 2 4 4 \$ 3,73 2 2 4 4 \$ 1,42 \$ 25,54 \$ 23,9 1 2 2 4 4 \$ 1,42 \$ 23,9 1 2 2 4 4 \$ 1,466 \$ 3,75 1,746 \$ 3,75 1,746 \$ 3,75 1,746 \$ 3,75 1,746 \$ 3,75 1,746 \$ 3,75 1,746 \$ 3,75 2,75 1,746 \$ 3,75 1,746 \$ 3,75 1,746 \$ 3,75 2,75 1,746 \$ 3,75 \$ 3,755 \$ 3,7	140           1,252           90,38%           13,578           30,358           10,841           \$ 23,698           \$ 1,660           \$ 4,809           \$ 3,840           \$ 1,088           \$ 1,088           \$ 1,088           \$ 1,088           \$ 23,795           \$ 23,795           \$ 23,795           \$ 23,795           \$ 20,795 <td>14 118 5518 5528 12,79 555,38 10,84 \$ 22,65 \$ 22,65 \$ 3,94 1 3 3 \$ 1,13 \$ 28,43 \$ 24,0 20 20 14 7 1,13 14 20 14 14 14 14 14 14 14 14 14 14</td>	14 118 5518 5528 12,79 555,38 10,84 \$ 22,65 \$ 22,65 \$ 3,94 1 3 3 \$ 1,13 \$ 28,43 \$ 24,0 20 20 14 7 1,13 14 20 14 14 14 14 14 14 14 14 14 14
ĨntityName	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel cost per MMBTu VOM cost(\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Min Capacity(MW) Min Capacity(MW) Min Capacity(MW)	\$ \$ \$ * *	110 1,13 1,23 12,239 532,145 10,807 19,338 1,580 2,754 2,431 19 36 1,161 23,253 20,53 2008 150 70 1,025 77,77%	140 1,256 91,33% 13,717 596,388 10,839 \$ 21,673 \$ 1,580 \$ 3,645 \$ 2,880 17 34 \$ 1,100 \$ 26,417 \$ 20,87 2005 20	140 147 175 172,733 172,733 172,733 172,733 173,753,607 173,753 173,753 173,753 173,753 173,753 174,755 174,75	140 1,256 90,60% 13,612 591,814 \$ 23,657 \$ 1,738 \$ 4,319 \$ 3,440 177 3 \$ 29,059 \$ 2,3147 \$ 1,082 177 3 \$ 29,059 \$ 2,3147 0 201 0 201 9 149 9 . 707 9 . 1425 1435 151,151 1435	144 5 76.100 11.466 490,51 10.84 \$ 19,97 \$ 1.74 \$ 3,94 \$ 3,73 \$ 3	140           1,252           90.38%           13,578           \$90,358           \$90,358           10,841           \$23,898           \$1,760           \$4,809           \$4,809           \$4,809           \$4,809           \$4,809           \$4,809           \$23,898           \$4,809           \$4,809           \$23,898           \$23,998           \$23,795           \$23,795           \$23,795           \$23,79           \$22           \$21           \$21           \$21           \$21           \$21           \$21           \$21           \$21           \$22           \$21           \$21           \$21           \$21           \$22           \$23,79           \$23,79           \$23,79           \$3,840           \$3,840           \$3,840           \$3,840           \$3,840           \$3,840 <td< td=""><td>14 5.18 55.16 55.6,38 10.84 52,65 53,94 54,55 54,35 526,43 526,43 526,43 526,43 524,0 200 144 77 73 86,656 73 74,555 74,555 74,5</td></td<>	14 5.18 55.16 55.6,38 10.84 52,65 53,94 54,55 54,35 526,43 526,43 526,43 526,43 524,0 200 144 77 73 86,656 73 74,555 74,555 74,5
ĨntityName	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWN Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Min Capacity(MW) Man Capacity(MW) Annual Cap. Fac. Fuel used(GBtu)	\$ \$ \$ * *	110 1,13 1,13 12,239 532,145 10,807 19,338 1.580 2,754 2,754 2,754 2,754 2,754 2,753 20,53 20,53 20,53 20,053 20,053 150 70 1,025 77,77% 10,988	140 1,256 91.43% 13,717 596,388 10.839 \$ 21,673 \$ 1,580 \$ 3,645 \$ 3,645 \$ 2,6417 \$ 20.87 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	140 140 1475 1477 12733 553,629 10.833 \$ 22,093 \$ 1,733 \$ 3,077 \$ 3,077 \$ 3,077 \$ 1,185 \$ 26,886 \$ 22,88 \$ 22,71 \$ 2,712 \$ 2,712	140 140, 1,255 59,6,50%, 1,255 59,1,814 591,814 591,814 591,814 591,814 591,814 591,814 591,814 591,814 51,178 54,319 54,519 54	144 5 751.00 5 751.00 11.464 499.51 10.84 \$ 1997 \$ 1.74 \$ 3.73 2 4 \$ 3.74 \$ 1.42 \$ 3.73 2 4 \$ 3.74 \$ 1.44 \$ 3.73 2 \$ 4.74 \$ 3.73 2 \$ 4.74 \$ 3.73 2 \$ 4.74 \$ 3.73 2 \$ 4.74 \$ 3.73 \$ 3.73 2 \$ 4.74 \$ 3.73 \$ 4.74 \$ 3.73 \$ 4.74 \$ 3.73 \$ 4.74 \$ 3.73 \$ 4.74 \$ 3.73 \$ 4.74 \$ 5.34 \$ 5.34 \$ 5.34 \$ 5.35 \$ 4.74 \$ 5.35 \$ 5.75 \$ 7.74 \$ 5.35 \$ 7.74 \$ 7.	140           1,252           90.38%           13,578           35,578           35,578           10,641           \$ 23,698           \$ 1,760           \$ 4,809           \$ 3,840           \$ 3,840           \$ 3,840           \$ 4,809           \$ 3,840           \$ 5,3840           \$ 5,3840           \$ 5,3840           \$ 5,3840           \$ 5,3840           \$ 5,3840           \$ 5,3840           \$ 5,3840           \$ 29,795           \$ 29,795           \$ 29,795           \$ 29,795           \$ 20,795           \$ 20,795           \$ 20,795           \$ 20,795           \$ 20,795           \$ 20,795           \$ 20,795           \$ 20,795           \$ 20,795           \$ 20,795           \$ 20,795           \$ 20,795           \$ 20,795           \$ 20,795           \$ 20,795           \$ 20,795           \$ 20,795           \$ 20,795           \$ 20,795	144 5.18 55.18 51.279 556.38 10.84 5 22,65 5 3.394 3 5 1.13 5 28,43 5 24.0 20 14 7 7 1,13 8,665 22,25
ĨntityName	Hin Capacity(HW)         Generation(GWh)         Annual Cap, Fac.         Fuel used(GBtu)         Coal(Tons)         Heat Rate         Fuel cost(\$000)         Fuel cost(\$000)         VOM cost(\$000)         VOM cost(\$000)         Start Fuel used(GBtu)         Start Fuel used(GBtu)         Start Fuel used(GBtu)         Total Operating Cost (\$000)         Oc popacity(MW)         Max Capacity(MW)         Max Capacity(MW)         Annual Cap, Fac.         Fuel soed(GBtu)         Coal(Tons)	\$ \$ \$ * *	110 1,13 81,24% 12,239 532,145 10,807 19,338 1,580 2,431 19 36 -1,161 23,253 20,53 2008 1000 700 1,025 77,77% 10,988 477,745	140 1,256 91.43% 13,717 596,388 10.839 \$ 21,673 \$ 1,580 \$ 3,645 \$ 3,645 \$ 2,6417 \$ 20.87 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	140 140 1475 1477 12733 553,629 10.833 \$ 22,093 \$ 1,733 \$ 3,077 \$ 3,077 \$ 3,077 \$ 1,185 \$ 26,886 \$ 22,88 \$ 22,71 \$ 2,712 \$ 2,712	140 140, 1,255 59,6,50%, 1,255 59,1,814 591,814 591,814 591,814 591,814 591,814 591,814 591,814 591,814 51,178 54,319 54,519 54	144 76100 11,460 499,511 30,84 \$10,97 \$1,74 \$1,74 \$3,94 \$3,94 \$3,73 \$1,74 \$25,345\$25,345\$25,345\$25,345\$25,345\$25,345\$25,3	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	144 5.18 55.18 55.53 55.53 55.53 55.53 55.53 55.24 55.55 55.24 55.55 55.
ĨntityName	Min Capacity(MW)         Generation(GWh)         Annual Cap. Fac.         Fuel used(GBtu)         Coal(Tons)         Heat Rate         Fuel cost(\$000)         Fuel cost(\$000)         VOM cost(\$000)         VOM cost(\$000)         VOM cost(\$000)         VOM cost(\$000)         VOM cost(\$000)         VOM cost(\$000)         Total Operating Cost (\$000)         Cop Cost per MWh         Cop Cost per MWh         Max Capacity(MW)         Min Capacity(MW)         Generation(GWh)         Annual Cap. Fac.         Fuel used(GBtu)         Coal(Tons)         Heat Rate		1100 1,133 81,24% 12,239 532,145 10,807 19,338 1,580 2,754 2,431 19,338 1,580 2,754 2,431 19,366 1,161 23,253 20,53 20,53 1,00 1,025 7,7,7% 10,988 477,745 10,725	140 1,256 91,43% 13,717 596,388 10,839 \$ 21,673 \$ 1,580 \$ 3,645 \$ 3,645 \$ 2,880 17 \$ 26,417 \$ 20,87 \$ 20,87 \$ 20,87 \$ 20,87 \$ 20,87 \$ 20,87 \$ 20,87 \$ 20,87 \$ 2,087 \$ 2,097 \$ 2,09	140 147 175 64.779 12.733 553,629 10.835 53,629 10.835 17.335 17.335 17.	140 140 1,255 90.60% 13.612 591.814 \$ 23.657 \$ 1.788 \$ 4.319 \$ 3.440 177 3 4 \$ 29.059 \$ 20.059 \$ 29.059 \$ 20.059 \$ 20.05	144 5 761.00 499,51 10.84 \$ 19,97 \$ 1.74 \$ 3,94 \$ 3,94\$\$ 3	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	144 5.18 55.16 55.6,38 10.84 52.65 53.94 54.55 53.94 54.55 52.63 54.55 52.63 52.65 52.61 72.00 144 7 1,33 86.65 5522,61 12,25 5522,61 10.77 11,25 5522,61 10.77 11,25 11,2
ĨntityName	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000)		1110 1,133 81,24% 12,239 532,145 13,0807 19,338 1,550 2,754 1,39 20,53 20,53 20,53 20,53 20,53 20,53 20,55 1,265 20,754 1,265 1,005 1,0	140 1,266 91.43% 13,717 596,388 10.839 \$ 21,673 \$ 1,580 \$ 3,645 \$ 2,880 17 34 \$ 1,100 \$ 26,417 \$ 20.87 149 700 \$ 36,45 \$ 2,880 149 700 \$ 10,785 \$ 2,880 149 700 \$ 10,785 \$ 10,805 \$ 2,805 \$ 10,805 \$ 2,805 \$ 10,805 \$ 3,645 \$ 2,0,87 \$ 20,87 \$ 20,07 \$	140 140 1475 84.779 12.733 553,629 10.835 \$ 22,099 \$ 3,007 \$ 3,077 \$ 3,077	140           1,255           90,67%           90,67%           13,612           591,814           10,841           \$23,657           \$1,738           \$4,319           \$4,319           \$4,319           \$23,657           \$1,738           \$4,319           \$23,657           \$1,738           \$4,319           \$24,059           \$23,144           \$23,145           \$24,059           \$23,144           \$24,105           \$24,145           \$26,059           \$23,144           \$24,145           \$24,145           \$26,059           \$12,145           \$28,0255           \$10,792           \$12,145           \$22,80,025           \$10,792           \$24,107,926           \$22,159           \$10,792           \$24,107,927           \$24,107,928           \$24,107,928           \$24,107,928	144 5 751.00 5 751.00 5 751.00 5 751.00 5 751.00 5 751.00 5 751.74 5 3,34 5 3,54 5 3,545 5 3,5455 5 3,54555 5 3,545555555555555555555555555555555555	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	144 5.18 55.18 51.279 556.38 10.84 \$ 22,65 \$ 3.94 1 3 \$ 1.13 \$ 28,43 \$ 24.0 20 14 7 7 1,13 8 86.96 12,25 532,61 10.79 \$ 23,05 10.79 \$ 23,05 10.79 \$ 23,05 10.79 \$ 23,05 10.79 \$ 23,05 10.79 \$ 23,05 \$ 22,05 \$ 24,05 \$ 25,055\$ \$ 24,055\$ \$ 24
ĨntityName	Min Capacity(MW)         Generation(GWh)         Annual Cap, Fac.         Fuel used(GBtu)         Coal(Tons)         Heat Rate         Fuel cost(\$000)         Fuel cost(\$000)         VOM cost(\$000)         VOM cost(\$000)         VOM cost(\$000)         Start Fuel used(GBtu)         Start Fuel used(GBtu)         Start cost(\$000)         Total Operating Cost (\$000)         Op Cost per MWh         Max Capacity(MW)         Min Capacity(MW)         Annual Cap, Fac.         Fuel used(GBtu)         Coal(Tons)         Heat Rate         Fuel used(GBtu)         Coal(Tons)         Heat Rate         Fuel cost(\$000)         Fuel cost(\$000)		1110 1,133 81.24% 12,239 532,145 10,807 19,338 1,580 2,754, 2,451 19,39 36 1,181 23,253 20,53 30 1,025 77,77% 10,724 10,785 10,724 10,785 10,774 10,785 10,777 10,7785 10,777 10,7785 10,77785 1	140 1,266 91.43% 13,717 596,388 10.839 \$ 21,673 \$ 1,580 \$ 3,645 \$ 2,880 17 34 \$ 1,100 \$ 26,417 \$ 20.87 149 700 \$ 36,45 \$ 2,880 149 700 \$ 10,785 \$ 2,880 149 700 \$ 10,785 \$ 10,805 \$ 2,805 \$ 10,805 \$ 2,805 \$ 10,805 \$ 3,645 \$ 2,0,87 \$ 20,87 \$ 20,07 \$	140 140 1475 84.779 12.733 553,629 10.835 \$ 22,099 \$ 3,007 \$ 3,077 \$ 3,077	140           1,255           90,67%           90,67%           13,612           591,814           10,841           \$23,657           \$1,738           \$4,319           \$4,319           \$4,319           \$23,657           \$1,738           \$4,319           \$23,657           \$1,738           \$4,319           \$24,059           \$23,144           \$23,145           \$24,059           \$23,144           \$24,105           \$24,145           \$26,059           \$23,144           \$24,145           \$24,145           \$26,059           \$12,145           \$28,0255           \$10,792           \$12,145           \$22,80,025           \$10,792           \$24,107,926           \$22,159           \$10,792           \$24,107,927           \$24,107,928           \$24,107,928           \$24,107,928	144 5 761.00 11.466 490.51 10.84 \$ 19.97 \$ 1.74 \$ 3.94 \$ 3.73 2 4 \$ 25.34 \$ 25.34\$ \$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	144 5,188 55,187 556,384 10,244 \$ 22,657 \$ 4,657 \$ 4,657 \$ 4,657 \$ 4,657 \$ 4,657 \$ 4,657 \$ 4,657 \$ 4,657 \$ 24,00 200 144 7 7 1,133 86,966 12,255 532,6161 10,797 \$ 12,057 \$ 23,033 \$ 10,797 \$ 10,997 \$
EntityName	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000)		1110 1,133 81,24% 12,239 532,145 13,0807 19,338 1,550 2,754 1,39 20,53 20,53 20,53 20,53 20,53 20,53 20,55 1,265 20,754 1,265 1,005 1,0	140 1,256 91.43% 13,717 596,388 10.839 \$ 21,673 \$ 1,580 \$ 3,645 \$ 3,645 \$ 2,880 17 34 \$ 1,100 \$ 26,417 \$ 20.87 2 20.87 2 20.87 2 22,877 \$ 1,782 \$ 2,877 \$ 1,782 \$ 2,877 \$ 1,782 \$ 1,782 \$ 1,782 \$ 2,877 \$ 1,782 \$ 1,782 \$ 1,782 \$ 2,877 \$ 1,782 \$ 1,782	140 140 1475 64.779 12.733 553,629 10.833 \$ 22,093 \$ 1,733 \$ 3,077 14 \$ 1,733 \$ 3,077 14 \$ 1,185 \$ 26,886 \$ 22,88 \$ 22,71 \$ 23,26 \$ 3,37 \$ 3,47 \$ 3,57 \$ 3,	140 140, 1,255 90,60% 13,612 591,814 \$ 23,657 \$ 1,738 \$ 4,319 \$ 3,440 \$ 1,788 \$ 4,319 \$ 5,2145 \$ 5,2,255 \$ 5,0,752 \$	144 5 761.00 5 761.00 11,466 19951 10,84 \$ 19,97 \$ 1,74 \$ 3,94 \$ 3,95 \$ 3,9	140           1,252           90.38%           13,578           \$90,358           10.841           \$23,098           \$1,0641           \$23,098           \$1,0641           \$23,098           \$3,840           \$4,609           \$4,609           \$3,840           \$3,840           \$3,840           \$3,840           \$4,609           \$3,840           \$3,840           \$3,840           \$3,840           \$3,840           \$3,840           \$3,840           \$3,840           \$3,840           \$3,840           \$23,795           \$23,795           \$23,799           \$22           \$2011           \$24,990           \$20,700           \$3,1490           \$20,700           \$10,703           \$10,703           \$10,803           \$10,803           \$10,803           \$10,803           \$10,803           \$10,804           \$10,804	144 518 5518 5518 512,79 556,38 10,84 522,65 51,17 524,05 524,05 522,61 522,61 522,61 522,61 522,61 522,61 522,61 522,61 522,65 522,61 522,65 53,94 522,65 52,65 523,65 523,
EntityName	Min Capacity(MW)         Generation(GWh)         Annual Cap, Fac.         Fuel used(GBtu)         Coal(Tons)         Heat Rate         Fuel cost(\$000)         Fuel cost(\$000)         VOM cost(\$000)         VOM cost(\$000)         VOM cost(\$000)         Start Fuel used(GBtu)         Start Fuel used(GBtu)         Start cost(\$000)         Total Operating Cost (\$000)         Op Cost per MWh         Max Capacity(MW)         Min Capacity(MW)         Annual Cap, Fac.         Fuel used(GBtu)         Coal(Tons)         Heat Rate         Fuel used(GBtu)         Coal(Tons)         Heat Rate         Fuel cost(\$000)         Fuel cost(\$000)		1110 1,133 81.24% 12,239 532,145 10,807 19,338 1,580 2,754, 2,451 19,39 36 1,181 23,253 20,53 30 1,025 77,77% 10,724 10,785 10,724 10,785 10,774 10,785 10,777 10,7785 10,777 10,7785 10,77785 1	140 1,256 91,43% 13,717 595,388 10,839 \$ 21,673 \$ 1,580 \$ 3,645 \$ 2,880 17 \$ 2,673 \$ 1,580 \$ 3,645 \$ 1,100 \$ 2,6417 \$ 20,877 \$ 20,977 \$ 1,797 \$ 1,792 \$ 1,7	140 14175 64.779 12.733 553,622 10.839 53,622 10.839 53,622 10.839 53,622 10.839 53,622 10.839 53,622 10.839 54,125 54,228 54,238 5	140           1,255           90,67%           90,67%           13,612           591,814           10,841           \$23,657           \$1,738           \$4,109           \$4,319           \$4,319           \$23,657           \$4,319           \$24,059           \$23,144           \$23,142           \$24,059           \$23,144           \$23,144           \$24,102           \$24,104           \$21,145           \$26,025           \$10,792           \$1,125           \$26,025           \$10,792           \$21,21,45           \$22,046           \$23,048           \$35,048           \$35,048           \$35,048           \$35,048           \$36,058	144 5 76:10 10:94 499:51 10:94 499:51 19:97 19:97 4 5 124 5 25:34 5 25:34 5 25:34 1 - 20 1 - 20	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	14: 53: 55: 55: 55: 55: 55: 55: 55
žntityName	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTU VOM cost(\$000) Cost per MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Cop Cost per MWh Min Capacity(MW) Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel used(GBtu) Cost(\$000) Fuel Cost(\$000) Fuel Cost(\$000) Fuel Cost(\$000) Fuel Cost(\$000) Cop Cost per MWh		1110 1,133 81.24% 12,239 532,145 1,580 2,754 2,315 1,580 2,754 2,315 1,99 3,61 2,754 2,245 1,580 2,754 2,245 2,253 20,53 20,53 20,53 20,53 20,53 20,53 20,53 20,53 20,53 20,53 20,53 20,53 20,53 20,54 20,55	140 1,256 91,43% 13,717 595,388 10,839 \$ 21,673 \$ 1,580 \$ 3,645 \$ 2,880 17 \$ 2,673 \$ 1,580 \$ 3,645 \$ 1,100 \$ 2,6417 \$ 20,877 \$ 20,977 \$ 1,797 \$ 1,792 \$ 1,7	140 140 1475 64.779 12.733 553,629 553,629 553,629 553,629 553,629 553,629 553,629 533,607 533,607 533,607 54,128 52,868 53,869 54,86855,868 54,868 54,868 54,868 54,868 54,868	140           1,256           90.60%           33.612           591.814           591.814           10.841           \$23,657           \$1.738           \$4,319           \$340           \$1738           \$29,059           \$20,059           \$20,059           \$20,059           \$20,059           \$20,059           \$20,059           \$20,059           \$20,059           \$20,059           \$20,059           \$20,010           \$20,011,010           \$20,011,010           \$20,011,010           \$20	144 5 761.00 11.46 498.51 10.84 \$ 19.97 \$ 1.74 \$ 3.94 \$ 3.94 \$ 3.73 2 4 \$ 1.42 \$ 25.34 \$ 23.9 1 2 2 4 \$ 25.34 \$ 23.9 1 2 2 4 \$ 23.9 1 2 2 3 3 2 3 3 2 3 4 \$ 1.74 2 5 3 4 \$ 1.74 2 5 3 4 \$ 1.74 2 5 3 4 \$ 1.74 2 5 3 4 \$ 1.74 2 5 1.74 7 1.74 7 1.74 7 1.74 7 1.74 7 1.74 7 1.74 7 1.74 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	14 5.18 55.18 55.6,38 10.84 55.6,38 11.279 55.6,38 11.27 5 4,55 5 3,3.44 1 3 5 22,65 5 3,46 5 24,0 20 20 20 20 20 20 20 21 12,25 23,26 10,27 4 24,05 53,26 10,27 24,05 53,26 10,27 53,26 10,27 53,26 10,27 53,26 10,27 53,26 10,27 53,26 10,27 53,26 10,27 54,55 5
žntityName	Min Capacity(MW)         Generation(GWh)           Generation(GWh)         Annual Cap. Fac.           Fuel used(GBtu)         Coal(Tons)           Heat Rate         Fuel cost(\$000)           Fuel cost(\$000)         VOM cost(\$000)           Fuel cost(\$000)         VOM cost(\$000)           VOM cost(\$000)         Start Fuel used(GBtu)           Start Fuel used(GBtu)         Start cost(\$000)           Total Operating Cost (\$000)         Op Cost per MWh           Max Capacity(MW)         Min Capacity(MW)           Min Capacity(MW)         Coal(Tons)           Heat Rate         Fuel used(GBtu)           Coal(Tons)         Heat Rate           Fuel used(GBtu)         Coal(Tons)           Min Capacity(MW)         Coal(Tons)           Heat Rate         Fuel used(GBtu)           Coal(Tons)         Heat Rate           Fuel cost(\$000)         Fuel Cost(\$000)           Gout cost(\$000)         Gout cost(\$000)		110. 11.333 11.233 12.24% 12.239 12.239 13.580 2.754 19.338 1.580 2.754 19.338 1.580 2.754 1.590 2.2431 1.590 2.2431 1.590 2.2431 1.590 2.253 2.055 2.555	140 1,266 91.43% 13,717 596,388 10.839 \$ 21,673 \$ 21,673 \$ 21,673 \$ 21,673 \$ 21,673 \$ 21,673 \$ 21,673 \$ 21,673 \$ 2,880 17 \$ 2,6417 \$ 20.87 \$ 2,0.87 \$ 1,792 \$	140 140 1475 64.779 12.733 553,629 10.833 \$ 22,093 \$ 1,735 \$ 3,077 \$ 3,077	140           140, 1,256           90,60%           13,612           591,814           10,841           \$23,657           \$1,738           \$4,319           \$3,440           \$1,082           \$29,059           \$23,147           \$0           \$20,059           \$23,147           \$20,059           \$23,147           \$20,059           \$23,147           \$20,059           \$23,147           \$20,059           \$21,145           \$22,059           \$12,145           \$22,310           \$12,145           \$22,310           \$12,145           \$22,310           \$12,145           \$22,310           \$12,145           \$22,310           \$22,310           \$1,837           \$20,069           \$22,300           \$22,310           \$22,310           \$20,070           \$20,080           \$20,080           \$22,310           \$20,080           \$20,080	144 5 761.00 5 761.00 11,466 4 99,51 10,844 \$ 19,97 \$ 1,74 \$ 3,73 2 2 4 \$ 3,73 2 2 4 \$ 3,73 2 2 4 \$ 3,73 2 2 4 \$ 3,73 2 2 4 \$ 3,73 2 2 4 \$ 3,73 2 2 4 \$ 3,73 2 2 4 \$ 3,73 2 2 4 \$ 3,73 2 2 2 4 \$ 3,73 2 2 2 4 \$ 3,73 2 2 4 \$ 3,73 2 2 4 \$ 3,73 2 2 2 4 \$ 3,73 2 2 4 \$ 3,73 2 2 4 \$ 3,73 2 2 2 4 \$ 3,73 2 2 2 2 2 2 2 2 2 2 2 2 2	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	144 518 5518 512/79 556,38 112/79 556,38 112/79 512/79 512/75 512/67 522/61 1225 532/61 10.77 532/61 10.77 532/61 10.77 532/61 10.77 532/61 10.77 523/61 10.74 532/61 10.75 10.75
EntityName	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel cost(\$000) VOM cost(\$000) VOM cost(\$000) Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Generation(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) Kenter Start Fuel cost(\$000) Nom per MWh Nom Starts(.)		(110) 1,133 81.24% 12,239 13,52(145,150) 2,754,2431 19,356 2,754,2431 19,366 1,761 19,361 19,376 2,253 20,53 20,53 1,361 1,361 1,361 1,361 1,361 1,361 1,361 1,362 1,372	140 1,256 91,33% 13,717 595,388 10,839 \$ 21,673 \$ 1,580 \$ 3,645 \$ 2,880 17 \$ 24,673 \$ 1,580 17 \$ 3,645 \$ 2,880 17 \$ 2,6417 \$ 20,677 \$ 20,877 \$ 1,797 \$ 1,792 \$ 1,815 \$ 1,915 \$ 1,9	140 140 1475 64.779 12.733 553,629 553,629 553,629 553,629 553,629 553,629 553,629 533,607 533,607 533,607 54,128 52,868 53,869 54,86855,868 54,868 54,868 54,868 54,868 54,868	140           140, 1,256           90,60%           13,612           591,814           10,841           \$23,657           \$1,738           \$4,319           \$3,440           \$1,082           \$29,059           \$23,147           \$0           \$20,059           \$23,147           \$20,059           \$23,147           \$20,059           \$23,147           \$20,059           \$23,147           \$20,059           \$21,145           \$22,059           \$12,145           \$22,310           \$12,145           \$22,310           \$12,145           \$22,310           \$12,145           \$22,310           \$12,145           \$22,310           \$22,310           \$1,837           \$20,069           \$22,300           \$22,310           \$22,310           \$20,070           \$20,080           \$20,080           \$22,310           \$20,080           \$20,080	144 5 761.00 5 761.00 11,466 4 99,51 10,844 \$ 19,97 \$ 1,74 \$ 3,73 2 2 4 \$ 3,73 2 2 4 \$ 3,73 2 2 4 \$ 3,73 2 2 4 \$ 3,73 2 2 4 \$ 3,73 2 2 4 \$ 3,73 2 2 4 \$ 3,73 2 2 4 \$ 3,73 2 2 4 \$ 3,73 2 2 2 4 \$ 3,73 2 2 2 4 \$ 3,73 2 2 4 \$ 3,73 2 2 4 \$ 3,73 2 2 2 4 \$ 3,73 2 2 4 \$ 3,73 2 2 4 \$ 3,73 2 2 2 4 \$ 3,73 2 2 2 2 2 2 2 2 2 2 2 2 2	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	144 518 5518 512/79 556,38 112/79 556,38 112/79 512/79 512/75 512/67 522/61 1225 532/61 10.77 532/61 10.77 532/61 10.77 532/61 10.77 532/61 10.77 523/61 10.74 532/61 10.75 10.75
žntityName	Min Capacity(MW)         Generation(GWh)           Generation(GWh)         Annual Cap. Fac.           Fuel used(GBtu)         Coal(Tons)           Heat Rate         Fuel cost(\$000)           Fuel cost(\$000)         VOM cost(\$000)           VOM cost(\$000)         VOM cost(\$000)           VOM cost(\$000)         Start Fuel used(GBtu)           Start Fuel used(GBtu)         Start cost(\$000)           Total Operating Cost (\$000)         Operating Cost (\$000)           Op Cost per MWh         Operating Cost (\$000)           Max Capacity(MW)         Annual Cap. Fac.           Fuel cost(\$000)         Fuel cost(\$000)           Fuel cost(\$000)         Coal(Tons)           Heat Rate         Fuel cost(\$000)           Fuel cost(\$000)         Num starts(.)           Start Fuel used(GBtu)         Start Fuel used(GBtu)           Start Fuel used(GBtu)         Num starts(.)           Start Fuel used(GBtu)         Start Fuel used(GBtu)           Start Fuel used(GBtu)         Start fuel used(GBtu)		(110) 1,133 8,124% 12,239 12,239 12,529 13,580 2,754 1,580 2,754 1,580 2,754 1,580 2,754 1,580 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,93 2,055	140 1,256 91,33% 13,717 596,388 10,839 \$ 21,673 \$ 1,580 10,339 \$ 2,6457 \$ 3,6457 \$ 2,6457 \$ 2,6457 \$ 2,6457 \$ 2,087 \$ 2,097 \$ 2,730 \$ 2,53,497 \$ 1,782 \$ 1,	140 140 1475 64.779 12.733 553,629 10.835 \$ 12,733 \$ 3,607 \$ 3,607 \$ 3,607 \$ 1,735 \$ 26,866 \$ 22,89 22,89 22,89 24,77 144 77 1,177 20,307 144 77 1,177 20,307 1,177 20,307 1,177 20,307 1,177 20,307 1,177 20,307 1,177 20,307 1,177 20,307 1,177 20,307 1,175 2,289 1,175 1,175 2,289 1,175 1	140 140 1,256 90.60% 13.612 591.814 \$ 23.657 \$ 1.738 \$ 4.319 \$ 3.440 177 3 4 \$ 29.059 \$ 2.145 4 5 0 201 9 1.042 \$ 1.738 \$ 4.319 \$ 3.440 177 3 4 \$ 29.059 \$ 2.145 4 5 2.1454 \$ 2.1454 \$ 2.310 \$ 1.2455 \$ 2.310 \$ 2.310 \$ 2.310 \$ 1.2455 \$ 2.310 \$ 2.310 \$ 2.310 \$ 1.2455 \$ 2.310 \$ 2.310 \$ 2.310 \$ 1.2455 \$ 2.3057 \$ 2.310 \$ 2.310 \$ 1.2455 \$ 2.3057 \$ 2.310 \$ 2.310 \$ 1.2455 \$ 2.3057 \$ 2.3057 \$ 2.310 \$ 2.310 \$ 2.310 \$ 2.310 \$ 3.420 \$ 1.320 \$ 1.320 \$ 1.320 \$ 1.320 \$ 2.310 \$ 2.310 \$ 2.310 \$ 1.320 \$	144 5 761.00 11.46 490.51 10.84 \$ 19.97 \$ 1.74 \$ 3.94 \$ 3.73 \$ 1.74 \$ 3.94 \$ 3.73 \$ 1.74 \$ 3.74 \$ 3.74 \$ 3.73 \$ 1.74 \$ 3.74 \$ 3.73 \$ 1.74 \$ 3.74 \$ 3.73 \$ 1.74 \$ 3.74 \$ 3.75 \$ 3.74 \$ 3.75 \$ 3.74 \$ 3.75 \$ 3.74 \$ 3.75 \$ 3.74 \$ 3.75 \$ 3.74 \$ 3.75 \$ 3.	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	144 518 5518 12,79 556,38 10,84 \$22,65 \$3,94 \$1,75 \$4,65 \$3,94 \$24,0 24,
ĨntityName	Min Capacity(MW)         Generation(GWh)           Generation(GWh)         Annual Cap. Fac.           Fuel used(GBtu)         Coal(Tons)           Heat Rate         Fuel cost(\$000)           Fuel cost(\$000)         Fuel Cost per MMBTu           VOM cost(\$000)         VOM per MMN           Num starts(.)         Start Fuel used(GBtu)           Start Fuel used(GBtu)         Start cost(\$000)           Total Operating Cost (\$000)         Operating Cost (\$000)           Max Capacity(MW)         Min Capacity(MW)           Min Capacity(MW)         Fuel used(GBtu)           Coal(Tons)         Heat Rate           Fuel cost(\$000)         Coal(Cost)           VOM cost(S000)         VOM per MMH           Vom cost(\$000)         Operating Cost (\$000)           Start Fuel used(GBtu)         Coal(Tons)           Fuel cost(\$000)         VOM per MMH           VOM cost(\$000)         VOM per MMH           VOM cost(\$000)         VOM per MMH           Start Fuel used(GBtu)         Start cost(\$000)           Total Operating Cost (\$000)         Total Operating Cost (\$000)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1110 1,133 81.24% 12,239 532,145 13,580 2,754 2,315 19,338 20,53 20,55 20,5	140 1,256 91.43% 13,717 596,388 10.839 \$ 21,673 \$ 1,580 \$ 3,645 \$ 3,645 \$ 2,880 17 34 \$ 1,100 \$ 26,417 \$ 20.87 2	140 140 1475 64.779 12.733 553,629 10.833 \$ 22,093 \$ 1,735 \$ 3,077 \$ 3,077	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	144           11,055           5         76,100           11,466           199,51           10,844           \$ 19,97           \$ 1,74           \$ 3,73           2           4           \$ 25,34           \$ 25,34           \$ 25,34           \$ 25,34           \$ 25,34           \$ 25,34           \$ 25,34           \$ 22,39           1           20           7           12,800           556,85           10,79           \$ 23,66           \$ 1,280           \$ 23,66           \$ 1,280           \$ 23,66           \$ 10,79           \$ 23,66           \$ 23,66           \$ 23,66           \$ 23,60           \$ 201           1           2           \$ 3, 43           \$ 26,42           \$ 26,42	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	144 5.18 5.18 5.12,79 556,38 10,84 \$ 22,65 \$ 3,94 \$ 1,77 \$ 4,65 \$ 3,94 \$ 1,77 \$ 28,43 \$ 224.0 200 200 200 \$ 224.0 \$ 224.0 \$ 220 \$ 200 \$
ĨntityName	Min Capacity(MW)         Generation(GWh)           Generation(GWh)         Annual Cap. Fac.           Fuel used(GBtu)         Coal(Tons)           Heat Rate         Fuel cost(\$000)           Fuel cost(\$000)         VOM cost(\$000)           VOM cost(\$000)         VOM cost(\$000)           VOM cost(\$000)         Start Fuel used(GBtu)           Start Fuel used(GBtu)         Start cost(\$000)           Total Operating Cost (\$000)         Operating Cost (\$000)           Op Cost per MWh         Operating Cost (\$000)           Max Capacity(MW)         Annual Cap. Fac.           Fuel cost(\$000)         Fuel cost(\$000)           Fuel cost(\$000)         Coal(Tons)           Heat Rate         Fuel cost(\$000)           Fuel cost(\$000)         Num starts(.)           Start Fuel used(GBtu)         Start Fuel used(GBtu)           Start Fuel used(GBtu)         Num starts(.)           Start Fuel used(GBtu)         Start Fuel used(GBtu)           Start Fuel used(GBtu)         Start fuel used(GBtu)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	(110) 1,133 8,124% 12,239 12,239 12,529 13,580 2,754 1,580 2,754 1,580 2,754 1,580 2,754 1,580 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,590 2,754 1,93 2,055	140 1,256 91.43% 13,717 596,388 10.839 \$ 21,673 \$ 1,580 \$ 3,645 \$ 3,645 \$ 2,880 17 34 \$ 1,100 \$ 26,417 \$ 20.87 2	140 140 1475 64.779 12.733 553,629 10.835 \$ 12,733 \$ 3,607 \$ 3,607 \$ 3,607 \$ 1,735 \$ 26,866 \$ 22,89 22,89 22,89 24,77 144 77 1,177 20,307 144 77 1,177 20,307 1,177 20,307 1,177 20,307 1,177 20,307 1,177 20,307 1,177 20,307 1,177 20,307 1,177 20,307 1,175 2,289 1,175 1,175 2,289 1,175 1	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	144           11,055           5         76,100           11,466           199,51           10,844           \$ 19,97           \$ 1,74           \$ 3,73           2           4           \$ 25,34           \$ 25,34           \$ 25,34           \$ 25,34           \$ 25,34           \$ 25,34           \$ 25,34           \$ 22,39           1           20           7           12,800           556,85           10,79           \$ 23,66           \$ 1,280           \$ 23,66           \$ 1,280           \$ 23,66           \$ 10,79           \$ 23,66           \$ 23,66           \$ 23,66           \$ 23,60           \$ 201           1           2           \$ 3, 43           \$ 26,42           \$ 26,42	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	144 5.18 5.18 5.12,79 556,38 10,84 \$ 22,65 \$ 3,94 \$ 1,77 \$ 4,65 \$ 3,94 \$ 1,77 \$ 28,43 \$ 224.0 200 200 200 \$ 224.0 \$ 224.0 \$ 220 \$ 200 \$

EntityName	г		2008	2009	2010	2011	2012	2013	2014
Colemen 2	Max Capacity(MW)		139	138	138	138	138	138	138
	Min Capacity(MW)	÷.	S 42.70	70	30.6. 70	70	70	70	70.
	Generation(GWh)	au	1,088	1,092	1,010	1,032	1,002	977 -	973
	Annual Cap. Fac.		89,13%	90.30%	83.56%	85.40%	82.65%	80.84%	80.51%
	Fuel used(GBtu)	·	13,044	13,138	12,161	12,429	12,087	11,787 -	11,731
	Coal(Tons)	<u>ن</u>	567,147	571,203	528,734	540,374	525,513	512,497	510,040
	Heat Rate		11.986	12.035	12.039	12.039	12:065	12.061	12:053
	Fuel cost(\$000)		1.22,423		\$ 22,254		\$ 22,276		\$ 22,054
	Fuel Cost per MMBTu		1.749	\$ 1.797	\$ 1.830		\$ 1.843		\$ 1,880
·····	VOM cost(\$000)			\$ 1,648	\$ 1,657		\$ 2,014		\$ 2,063
	VOM per MWh			\$ 1.510	5 1.640	\$ 1.820	\$ 2.010		5 2.120
	Num starts(,)	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	16	16	15	15	15	15	14
	Start Fuel used(GBtu)		26	25	- 23	24	24	25	23
····	Start cost(\$000)		454	\$ 457	s 412		\$ 440	\$ 451	\$ 420
	15tart (05t(\$600)			3 7.01	142	<u> </u>	4.0.00		
·····			100 CT4	+ 25 713	\$ 24,323	\$ 25,155	\$ 24,730	\$ 24,399	\$ 24,537
	Total Operating Cost (\$000)		24,651 22.65		\$ 24.08		\$ 24.69		\$ 25.21
	Op Cost per MWh	<u>``</u> \$	22.00	\$ 23.30	3 24.00	3 41.31	P 24:09	\$ 24.97	(\$ ZO.C1)
EntityName	1		2008	2009			2012		Version 2014
Coleman 3	Max Capacity(MW)		155	154	SN 154		<b>154</b>	154	154 110
	Min Capacity(MW)		1110	110	110	110	110	110	
	Generation(GWh)		1,233	1,133	1,207,	1,214	1,001	1,220	1,203
	Annual Cap. Fac.		90.55%		69:47%	90.00% 3	74:02%		89:16%
	Fuel used(GBtu)	2	13,286	12,261	48,062		10,840	13,210	13,023
	Coal(Tons)	(د) بالان	577,639	533,095	567,914		471,316	574,365	566,211
	Heat Rate	53	10,776	10,823	10.823	10.828	10.827	10.829	10,824
	Fuel cost(\$000)		1490 U.S. 1990		\$ 23,904		\$ 19,979		\$ 24,483
-i	Fuel Cost per MMBTu			\$ 1.797	1.830		\$ 1.843		\$ 1.880
*	VOM cost(\$000)	\$		\$ 1,711	\$ 1,979		\$ 2,013		\$2 2,551
	VOM per MWh			\$ 1.510	\$ 11.640		\$ 2.010		
				19	26 Star 19	16	23	14	16
	Num starts(,)		26	27	27	22	31. 31	20	22
	Start Fuel used(GBtu)			\$ 481	482		\$ 560		412
	Start cost(\$000)						арана 1000°	\$ 205	A PHONE PHONE
					雪田田			4 27 465	
	Total Operating Cost (\$000)		25,303	\$ 24,225	\$ 26,365	\$ 26,764	\$ 22,551		\$ 27,445
	Op Cost per MWh		20.52	\$ 21.38	\$ 21.84	\$ 22.04	\$ 22.52	\$ 22.51	s:: 22.81
					ļ				
	1								
				-				2010	
EntityName			2008			Concession of the local division of the loca	? *** <b>2012</b>	2013	
EntityName Rold ST	Max Capacity(MW)	ې ت	50	50	50	50	3. S. V5D	50	50
	Max Capacity(MW) Min Capacity(MW)		50 40	50 40	50	50	750 40	50 40	50 40
			50 40 94	50 40 22	50 7 ( 40 3	50 40 68	750 40	50 40 18	50 40 23
	Min Capacity(MW)		50 40	50 40 22 5.11%	50 40 3 0.78%	50 40 68 15.58%	750 40	50 40 18 4.15%	50 40 23 5:249
	Min Capacity(MW) Generation(GWh)		50 40 94	50 40 22 5.11%	50 7 ( 40 3	50 40 68 15.58%	750 40	50 40 18	50 40 23
	Min Capacity(MW) Generation(GWh) Annual Cap, Fac, Fuel used(GBtu)		50 40 94 21:41%	50 40 22 5.11% 304 14	50 40 3 0.78%	50 40 68 15.58%	750 40	50 40 18 4.15%	50 40 23 5:249
	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons)		50 40 94 21:41% 1;268	50 40 22 5.11% 304	50 40 3 0.78% 46 13,493	50 40 68 15.58% 925	750 40	50 40 18 4.15% 246	50 40 23 5:249 313 13.548
	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coat(Cons) Heat Rate		50 40 94 21 41% 1,268 54,595 13,485	50 40 22 5.11% 304 14 13.557	50 40 3 0.78% 46	50 40 68 15.58% 925 	/50 /40 D100%	50 40 18 4.15% 246 13.561	50 40 23 5:249 311 13:548
	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000)		50 40 94 1,268 54,595 13,485 9 2,550	50 40 22 5.11% 304 14 13.557 \$ 2,542	50 40 3 0.78% 46 13,493	50 40 68 15.58% 925 	50 40 0,00% #DIV/0}	50 40 18 4.15% 246 13.561 \$ 2,083	50 40 23 5:249 311 13,548 \$ 2,255
	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMSTu		50 40 94 21,41% 1,268 54,595 13,485 \$ 2,550 \$ 2,011	50 40 22 5.11% 304 14 13.557 \$ 2,542 \$ 8.371	50 40 3 0.78% 46 13.493 \$ 365 \$ 7.920	50 40 68 15.58% 925 	50 40 0,00% #DIV/0) \$ #DIV/0)	50 40 18 4.15% 246 13.561 \$ 2,083	50 40 23 5.249 311 13.548 \$ 2.255 \$ 7.253
	Min Capacity(MW) Generation(GMI) Annual Cap, GAL Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000)		50 40 194 21,41% 1,268 54,595 13,485 \$ 2,550 \$ 2,011 \$ 15	50 40 22 5.11% 304 14 13.557 \$ 2,542 \$ 8.371 \$	50 40 3 0.78% 46 13.493 \$ 365	50 40 68 15.58% 925 	50 40 0,00% #DIV/01 \$	50 40 18 4.15% 246 13.561 \$ 2,083	50 40 23 5:249 311 13:548 \$ 2,255 \$ 7,253 \$ \$
	Min Capacity(MW) Generation(GWh) Annual Cap, Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost (\$000) VCM cost(\$000) VCM per MWh		50 90 91 1,268 54,595 13,485 52,550 52,011 52,011 50,158	50 40 22 5.11% 304 14 13.557 \$ 2,542 \$ 8.371 \$ - \$	50 40 3 0.78% 46 13.493 \$ 565 \$ 7.920 \$	50 40 68 15.58% 925 	*50. 40 0.00% #DIV/0} \$ #DIV/0! \$	50 40 18 4.15% 246 13.561 \$ 2,083 \$ 8.460 \$	50 40 23 5:249 313 13:546 \$ 2,255 \$ 7:253 \$
	Min Capacity(NW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coaf(Tons) Heat Rate Fuel cost(\$000) Fuel cost per MMBTu VOM cost(\$000) VOM per MWh Aum starts(.)		50 90 91 1,268 54,595 13,485 13,485 13,485 13,485 13,485 13,485 13,485 13,485 13,485 13,485 13,485 13,485 14,595 14,595 15 15 16 16	50 40 22 5.11% 304 13.557 \$ 2,542 \$ 8.371 \$ - \$ - 6	50 40 3 0.78% 46 13.493 \$ 565 \$ 7,920 \$ \$	50 40 68 15.58% 925 - 13.555 \$ 7.516 \$ 8.127 \$ - \$ - 14	*50. 40 0.00% #DIV/0} \$ #DIV/0! \$	50 40 18 4.15% 246 13.561 \$ 2,083 \$ 8,460 \$ - \$ -	50 40 23 5,249 313 13,546 \$ 2,255 \$ 7,255 \$ \$
	Min Capachy(MW) Generation(GWh) Annual Cap, Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu)		50 94 21 41% 1,268 54,595 13,485 \$ 2,550 \$ 2,011 \$ 2,011 \$ 0,158 16 45	50 40 22 5.11% 304 14 13.557 \$ 2,542 \$ 8.371 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	50, 40 3 0,78% 46 13,493 \$ 565 \$,7920 \$ 5 1	50 40 68 15.58% 925 - - - - - - - - - - - - - - - - - - -	*50. 40 0.00% #DIV/0} \$ #DIV/0! \$	50 40 18 4.15% 246 13.561 \$ 2,083 \$ 8.460 \$ - \$ - 7 7	50 40 23 5:249 311 13:548 \$ 2,255 \$ 7,253 \$ \$ 2 7,253 \$ 2 7,253 \$ 2 7,253 \$ 2 7,253 \$ 2 7,253 \$ 2 7,253 \$ 2 7,253 \$ 2 7,253 \$ 2 7,253 \$ 2 7,253 \$ 2 7,253 \$ 2 7,253 \$ 2 7,253 \$ 2 7,253 \$ 2 7,253 \$ 2 7,253 \$ 2 7,254 \$ 2 7,254 \$ 2 7,254 \$ 2 7,254 \$ 2 7,254 \$ 2 7,254 \$ 2 7,255 \$ 2 7,255 \$ 2 7,255 \$ 2 7,255 \$ 2 7,255 \$ 2 7,255 \$ 2 7,255 \$ 2 7,255 \$ 2 7,255 \$ 2 7,255 \$ 3 11 2 3,255 \$ 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
	Min Capacity(NW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coaf(Tons) Heat Rate Fuel cost(\$000) Fuel cost per MMBTu VOM cost(\$000) VOM per MWh Aum starts(.)		50 90 91 1,268 54,595 13,485 13,485 13,485 13,485 13,485 13,485 13,485 13,485 13,485 13,485 13,485 13,485 14,595 14,595 15 15 16 16	50 40 22 5.11% 304 14 13.557 \$ 2,542 \$ 8.371 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	50, 40 3 0,78% 46 13,493 \$ 565 \$,7920 4 \$ 1 1	50 40 68 15.58% 925 - - - - - - - - - - - - - - - - - - -	50 40 0.00% #DIV/0} # #DIV/01 \$ #DIV/01	50 40 18 4.15% 246 13.561 \$ 2,083 \$ 8.460 \$ - 7 7 7	50 40 23 5:249 311 13:548 \$ 2:255 \$ 7:253 \$ \$ 7 253 \$ 7 7 7 7 7
	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coaf(Tons) Heat Rate Fuel cost(\$000) Fuel cost per MMBTu VCM cost(\$000) VCM per MWin Num starts() Start Fuel used(GBtu) Start cost(\$000)		50 40 94 1,268 54,555 13,485 \$ 2,011 \$ 2,550 \$ 2,011 \$ 15 \$ 0,158 16 \$ 492	50 40 22 5.11% 304 14 13.557 \$ 2,542 \$ 8.371 \$ - 6 5 5 \$ 165	50, 40 0,78% 46 13.493 \$ 365 \$ 7920 \$ 5 1 5 25 25	50 40 68 1558% 925 5 5 5,7,516 \$ 8.127 \$ - \$ - \$ - 14 13 \$ 431	50 40 0.00% #DIV/01 \$ #DIV/01 \$ #DIV/01 \$	50 40 18 4.15% 246 13.561 \$ 2,083 \$ 8.460 \$ - 7 7 7 \$ 217	50 40 23 5:249 311 13:548 \$ 2,255 \$ 7,253 \$ 5 \$ 7 2 5 \$ 2,25 \$ 5 \$ 7 2 5 \$ \$ 2,25 \$ 5 \$ \$ 2,29 \$ 2,29 \$ 311 \$ 2,29 \$ 311 \$ 2,29 \$ 311 \$ 2,40 \$ 311 \$ 312 \$ 2,40 \$ 311 \$ 312 \$ 2,9 \$ 311 \$ 312 \$ 2,9 \$ 311 \$ 312 \$ 312 \$ 40 \$ 312 \$ 2,255 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
	Min Capacity(MW) Generation(GWh) Annual Cap, Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000)		50 90 91 21419 54,595 13,485 5 2,550 5 2,2550 5 3,2550 5 4,2550 5 4,2550 5 4,2550 5 4,2550 5 4,2550 5 4,2550 5 4,2550 5 4,2550 5 5 4,2550 5 5 4,2551 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	50 40 22 5.11% 304 13.557 \$ 2.542 \$ 8.371 \$ - 6 5 \$ 165 \$ 2.707	50 40 0,78% 46 13,493 5 5 5 7,920 5 1 1 5 25 5 5 3 900 5 5 3 900 5 5 5 5 5 7,920 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	50 40 68 15.58% 925 - - - - \$ 7,516 \$ 8.127 \$ 8.127 \$ - \$ - \$ - \$ - \$ - \$ 431 \$ 431 \$ 7,947	50 40 0100% #DIV/01 \$ #DIV/01 \$ #DIV/01	50 40 18 4.15% 246 13.561 \$ 2,083 \$ 8.460 \$ - 7 7 7	-50 40 23 5249 311 13,548 \$ 2,255 \$ 7,253 \$ \$ 7 \$ 2,255 \$ 7 \$ 2,255 \$ \$ 7 \$ 2,255 \$ \$ 2,255 \$ \$ 9 \$ \$ 2,255 \$ \$ 9 \$ \$ 9 \$ \$ 2,255 \$ 9 \$ \$ 2,255 \$ 9 \$ \$ 13,11 \$ 14,0 \$ \$ 13,11 \$ \$ 14,0 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coaf(Tons) Heat Rate Fuel cost(\$000) Fuel cost per MMBTu VCM cost(\$000) VCM per MWin Num starts() Start Fuel used(GBtu) Start cost(\$000)		50 40 94 1,268 54,555 13,485 \$ 2,011 \$ 2,550 \$ 2,011 \$ 15 \$ 0,158 16 \$ 492	50 40 22 5.11% 304 13.557 \$ 2.542 \$ 8.371 \$ - 6 5 \$ 165 \$ 2.707	50, 40 0,78% 46 13.493 \$ 365 \$ 7920 \$ 5 1 5 25 25	50 40 68 15.58% 925 - - - - \$ 7,516 \$ 8.127 \$ 8.127 \$ - \$ - \$ - \$ - \$ - \$ 431 \$ 431 \$ 7,947	50 40 0.00% #DIV/01 \$ #DIV/01 \$ #DIV/01 \$	50 40 18 4.15% 246 5.2,083 \$.2,083 \$.2,083 \$.460 \$ 7 7 7 \$ 7 7 \$ 7 7 7 7	-50 40 23 5249 311 13,548 \$ 2,255 \$ 7,253 \$ \$ 7 \$ 2,255 \$ 7 \$ 2,255 \$ \$ 7 \$ 2,255 \$ \$ 2,255 \$ \$ 9 \$ \$ 2,255 \$ \$ 9 \$ \$ 9 \$ \$ 2,255 \$ 9 \$ \$ 2,255 \$ 9 \$ \$ 13,11 \$ 14,0 \$ \$ 13,11 \$ \$ 14,0 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
	Min Capacity(MW) Generation(GWh) Annual Cap, Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000)		50 90 91 21419 54,595 13,485 5 2,550 5 2,2550 5 3,2550 5 4,2550 5 4,2550 5 4,2550 5 4,2550 5 4,2550 5 4,2550 5 4,2550 5 4,2550 5 5 4,2550 5 5 4,2551 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	50 40 22 5.11% 304 13.557 \$ 2.542 \$ 8.371 \$ - 6 5 \$ 165 \$ 2.707	50 40 0,78% 46 13,493 5 5 5 7,920 5 1 1 5 25 5 5 3 900 5 5 3 900 5 5 5 5 5 7,920 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	50 40 68 15.58% 925 - - - - \$ . - \$ . - \$ . - \$ . - \$ . - \$ . - - \$ . - - * - * - * - * - * - * - * - * - *	50 40 0100% #DIV/01 \$ #DIV/01 \$ #DIV/01	50 40 18 4.15% 246 5.2,083 \$.2,083 \$.2,083 \$.460 \$ 7 7 7 \$ 7 7 \$ 7 7 7 7	50 40 23 5249 311 13,548 \$ 2,255 \$ 7,253 \$ 7 7 \$ 7,5 7 \$ 7 \$ 2,478 \$
Reid ST	Min Capacity(MW) Generation(GWh) Annual Cap, Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000)		50 94 914 1228 54555 13485 13485 13485 13485 13485 13485 13485 13485 13485 13485 13485 13485 144855 14485 14485 14485 14485 14485 14485 14485 14485 14485 14485 14555 14485 145555 145555 145555 145555 145555 1455555 1455555 1455555 1455555555	50 40 22 5.11% 304 13.557 \$ 2.542 \$ 8.371 \$ - 5 5 165 \$ 165 \$ 120.85	50 40 40 40 5 46 13,493 4 5 5 5 5 5 5 1 1 5 25 5 5 5 5 1 1 5 25 5 5 1 1 5 25 5 5 1 1 5 25 5 5 5	50 40 68 15.58% 925 13.555 5 7.516 5 7.516 5 8.127 5 - 1 4 13 5 431 5 431 5 7.947 5 115.49	\$0. 40 000% #DIV/0 \$ #DIV/0 \$ #DIV/0 \$ \$	50 40 18 4.15% 245 13.561 5 8.460 5 - 7 7 7 7 7 7 5 217 5 2,300 5 125.66	50 40 23 524% 311 13.548 5 2.255 5 7 7 7 5 7 7 7 5 7 7 7 5 2,235 5 5 7 7 7 7 5 2,235 5 5 7 7 7 7 5 5 7 7 7 7 5 2 2 3 5 5 40 5 12 5 12 5 12 5 12 5 12 5 12 5 12 5 1
Reid ST	Min Capachy(MW) Generation(GWh) Annual Cap, Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost (\$000) VCM per MMBTu VOM cost(\$000) VCM per MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh		50 94 914 121414 1268 54,555 12,455 12,455 12,455 12,455 12,455 12,455 12,455 12,455 12,455 12,455 12,550 14,455 14,5555 14,5555 14,5555 14,5555 14,5555 14,5555 14,5555 14,5555 14,5555 14,55555 14,55555 14,555555 14,5555555555	50 40 22 5.11% 304 14 13.557 \$ .2,542 \$ .357 \$ .2,542 \$ .357 \$ .2542 \$ .357 \$ .2542 \$ .2542\$ .2542\$ .2554 \$ .2554	50 40 40 40 40 46 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	50 40 68 1558% 925 5.7516 5.7516 5.8127 5.355 5.3127 5.357 5.431 5.431 5.431 5.431 5.431 5.431 5.431 5.431 5.431 5.431 5.431 5.431 5.431 5.431 5.44110000000000000000000000000000000000	\$0.40 40 000% #DIV/01 \$ #DIV/01 \$ #DIV/01 \$ 2012	50 40 18 4.15% 246 2.2083 \$ 2.083 \$ 3.460 \$ - 7 \$ 2.103 \$ 2.00 \$ - 7 \$ 2.103 \$ 2.00 \$ 126.66	50 40 23 524% 311 13,548 \$ 2,255 \$ 7,253 \$ 7 7 \$ 2,255 \$ 7 7 \$ 2,255 \$ 7 7 \$ 2,255 \$ 7 7 \$ 7 \$ 2,255 \$ 7 7 \$ 2,255 \$ 7 7 \$ 7 9 \$ 2,255 \$ 2,478 \$ 5,24% \$ 7,253 \$ 7,255 \$ 7,253 \$ 7,253
Reid ST	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VCM cost(\$000) VCM cost(\$000) VCM per MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Max Capacity(MW)		50 940 944 21:4194 12288 54:595 13:495 \$ -2;550 \$ -2;550 \$ -2;550 \$ -2;551 \$ -0;158 16 155 \$ -0;158 \$ -3;056 \$ -5;056 \$ -3;056 \$	50 40 22 5.11% 304 14 3.557 \$ .2,542 \$ .3,577 \$ .2,742 \$ .3,577 \$ .2,742 \$ .3,577 \$ .2,742 \$ .3,577 \$ .2,742 \$ .3,577 \$ .2,742 \$ .3,577 \$ .2,742 \$ .3,577 \$ .2,747 \$	50 40 40 40 5 46 13,493 4 5 5 5 5 5 5 1 1 5 25 5 5 5 5 1 1 5 25 5 5 1 1 5 25 5 5 1 1 5 25 5 5 5	50 40 68 15.58% 925 5 7,516 5 7,516 5 8.127 \$ - 14 13 5 431 5 431 5 431 5 431 5 431 5 431 5 431 5 116.49	*80. 40 000% #DIV/01 \$ #DIV/01 \$ * #DIV/01 \$ * #DIV/01 \$ *	50 40 18 415% 246 5 5 8.8460 5 7 7 7 5 2,083 5 8.8460 5 7 7 7 5 2,17 5 5 2,200 5 5 2,200 5 5 2,200 5 5 2,200 5 5 2,00 5 5 7 7 7 5 5 1 7 7 5 5 1 8 4 6 5 7 6 5 7 7 7 7 5 7 7 7 7 7 7 7 7 7 7	50 40 33 5:249 311 13.548 \$ 2,255 \$ 7253 \$ 7253 \$ 725 7 \$ 723 7 \$ 2,478 \$ 107.95 \$ 107.95 \$ 2017 \$ 2
Rold ST	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$600) Op Cost per MWh Max Capacity(MW) Min Capacity(MW)		50 944 21:4194 54:555 53:555 53:2011 54:555 53:2011 54:555 54:555 54:555 54:555 54:555 54:555 54:555 54:555 54:555 54:5555 54:55555 54:555555 54:55555555	50 40 22 5.11% 304 14 3.557 5 2.542 5 . 5 . 5 . 5 . 5 . 5 . 5 . 5 . 5 . 5 .	50 40 40 50 5 5 5 5 5 5 5 7920 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	50 40 68 15.58% 925 13.555 5 7.516 5 8.127 \$ - 13.555 5 7.516 5 8.127 \$ - 14 13 5 431 \$ 431 \$ 431 \$ 431 \$ 116.49 \$ 116.49 \$ 20111 - 66	\$0. 40 000% #DIV/01 \$ #DIV/01 \$ #DIV/01 \$ \$ 2011 65	50 40 18 4.15% 246 3 5 8.460 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	50 40 35249 313 5255 5 5 5 5 5 7 7 5 5 7 7 5 5 7 7 7 5 5 7 7 7 5 5 7 7 7 5
Rold ST	Min Capacity(MW) Generation(GWh) Annual Cap, Fac. Fuel used(GBtu) Coaf(Tons) Heat Rate Fuel cost(\$000) Fuel cost per MMBTu VOM cost(\$000) WOM per MWh Num starts(.) Start Tuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Max Capacity(MW) Min Capacity(MW)		50 944 21,4194 1,228 54,555 3,2550 3,2550 5,3555 5,0556 5,3057 5,3056 5,	50 40 22 5.11% 304 14 13.557 \$ 2.542 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	50 40 40 40 45 5 5 5 5 5 5 5 5 5 5 5 5 5	50 40 68 1558% 925 5 5 5 5 5 5 5 5 5 4 31 5 5 5 4 31 5 5 5 5 115.49 6 5 2011 6 5 6 2011 6 5 6 5 6 2011 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	*DU/01 *DI/00 *DI/00 *DI/01 *DI/01 *DI/01 *DI/01 * *DI/01 * *DI/01 * *DI/01 * * *DI/01	50 40 18 4.15% 246 5 5 5 5 5 5 5 5 5 5 5 5 5 5 7 7 5 217 5 5 22013 5 5 22013 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	50 40 23 5549 311 13,548 \$ 2,255 \$ 7,253 \$ 7,255 \$ 7,2
Rold ST	Min Capacity(NW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VCM cost(\$000) VCM per MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Max Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW)		50 944 21;43% 54;555 52;550 52;500 50;500 50	50 40 22 5.11% 304 13.557 \$ .2542 \$ .375 \$ .2762 \$ .375 \$ .2762 \$ .375 \$ .2762 \$ .375 \$	50 40 40 40 40 46 45 45 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	50 40 68 15.58% 925 5 7,516 5 8.127 5 - 3 - 4 4 13 5 431 5 - 5 - 9 - 14 5 - 3 5 - 14 - 13.555 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -	*80. 40 000% #DIV/01 \$ #DIV/01 \$ #DIV/01 \$ \$ #DIV/01 \$ \$ #DIV/01 \$ \$ #DIV/01 \$ \$ #DIV/01 \$ \$ #DIV/01 \$ \$ #DIV/01 #DIV/01 # # #DIV/01 # #DIV/01 # #DIV/01 # #DIV/01 # #DIV/01 # #DIV/01 # # #DIV/01 # # #DIV/01 # # #DIV/01 # # #DIV/01 # # #DIV/01 # # #DIV/01 # # #DIV/01 # # # # # # # # # # # # # # # # # # #	50 40 18 415% 246 5 3561 5 8.8460 5 7 7 7 5 2.200 5 5 2.200 5 5 2.200 5 5 2.200 5 5 2.200 5 5 2.200 5 5 2.200 5 5 2.200 5 5 7 7 7 5 5 2.200 5 5 5 7 7 7 5 5 7 7 7 5 5 7 7 7 5 5 7 7 7 5 5 7 7 7 5 5 7 7 7 7 5 5 7 7 7 7 7 5 5 7 7 7 7 7 7 5 5 7 7 7 7 7 7 7 7 7 5 5 7	50 40 33 5:249 311 3:548 5 2:25 5 7:25 5 7:25 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Rold ST	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Max Capacity(MW) Min Capacity(MW) Min Capacity(MW) Manual Cap. Fac. Fuel used(GBtu)		50 944 21;414 54;59;55; 13;485 54;59;55; 13;485; 32;500 5;2;500 5;2;500 5;2;500 5;2;500 5;2;500 5;2;510 5;3000 5;3000 5	50 40 22 5.11% 304 144 13.557 5 .2.542 5 . 5 . 5 . 5 . 5 . 5 . 5 . 5 .	50 40 40 40 40 46 45 45 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	50 40 68 15.58% 925 5 7,516 5 8.127 5 - 3 - 4 4 13 5 431 5 - 5 - 9 - 14 5 - 3 5 - 14 - 13.555 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -	*DU/01 *DI/00 *DI/00 *DI/01 *DI/01 *DI/01 *DI/01 * *DI/01 * *DI/01 * *DI/01 * * *DI/01	50 40 18 4.15% 246 246 2.263 \$ .2083 \$ 8.460 \$ . 7 \$ .217 \$ .217 \$ .217 \$ .217 \$ .215,66 \$ \$ .265  \$ .265  \$ .265  \$ .265  \$ .265  \$ .265  \$ .265  \$ .2083 \$ .265  \$ .2083 \$ .265  \$ .2083 \$ .2083 \$ .2083 \$ \$ .2083 \$	50 40 40 313 5249 313 5255 5 725 5 72 5 72 5 72 5 72 7 7 7 5 72 7 7 7 7
Rold ST	Min Capacity(MW) Generation(GWh) Annual Cap, Fac. Fuel used(GBtu) Coaf(Tons) Heat Rate Fuel cost(\$000) VCM cost(\$000) VCM cost(\$000) VCM par MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Cop Cost per MWh Max Capacity(MW) Min Capacity(MW) Min Capacity(MW) Annual Cap, Fac. Fuel used(GBtu) Coaf(Tons)		50 90 94 21:414 54:555 54:555 52:515 52:515 52:515 52:515 53:2555 54:492 53:515 54:492 53:515 54:492 53:515 54:492 55:525 54:525 54:525 54:525 54:5255 54:5255 54:52555 54:525555 54:52555555 54:525555555555	50 40 22 5.11% 304 14 3.557 \$ 2,542 \$ 8.371 \$ - 6 5 \$ 155 \$ 120.85 \$ 120.85\$\$\$ 120.85\$\$\$ 120.85\$\$\$ 120.85\$\$\$ 120.85\$\$\$ 120.85\$\$\$ 120.85\$\$\$ 120.85\$\$\$ 120.85\$\$\$\$ 120.85\$\$\$ 120.85\$\$\$\$ 120.85\$\$\$\$ 120.85\$\$\$\$\$ 120.85\$\$\$\$\$ 120.85\$\$\$\$\$\$\$\$\$\$\$\$ 120.85\$	50 40 40 30.78% 46 13.493 5 356 5 356 5 357 5 35	50 40 68 15.58% 925 	*DU/01 *DV/01 *DV/01 *DV/01 *DV/01 * *DV/01 * *DV/01 * *DV/01 * * *DV/01 * * * * * * * * * * * * * * * * * * *	50 40 18 415% 246 5 3561 5 8.8460 5 7 7 7 5 217 5 22013 5 126,66 5 2013 6 5 7 7 1.31% 88 8	50 40 33 5:249 311 3:548 5 7253 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Rold ST	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Max Capacity(MW) Min Capacity(MW) Min Capacity(MW) Manual Cap. Fac. Fuel used(GBtu)		50 944 21:41% 54:555 54:555 52:550 52:550 52:550 52:550 52:550 52:550 53:550 54:5500 54:5500 54:5500 54:5500 54:5500 54:5500 54:5500 54:5500 5	50 40 22 5.11% 304 13.557 \$ 3.2542 \$ 8.371 \$ - 6 5 \$ 155 \$ 120.85 3 2000  3 2000  3 2000  3 2000  5 120.85  5 120.95  5 120.85  5 120.85  5 120.85 	50 40 40 40 40 46 45 45 5 5 5 5 5 5 5 5 4 3 90 5 5 4 3 90 2011 5 5 5 5 4 90 2011 5 5 5 5 4 90 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	50 40 68 15.58% 925 5 7,516 5 8,127 5 5 7 - 4 4 13 5 431 5 431 5 431 5 - 7,947 5 116.49 2 2011 6 5 5 6 7 -	*B0 40 000% *DIV/01 *#DIV/01 * *DIV/01 * * #DIV/01 * * * * * * * * * * * * * * * * * * *	50 40 18 415% 246 5 3561 5 367 7 7 7 5 217 5 365 5 22013 5 126,66 5 2013 6 5 2013 6 5 7 7 131% 8 8 4 0 12,666 12,013 12,013 12,015 12,0	50 40 33 5:249 311 3:548 5 2:25 5 7:25 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Rold ST	Min Capacity(MW) Generation(GWh) Annual Cap, Fac. Fuel used(GBtu) Coaf(Tons) Heat Rate Fuel cost(\$000) VCM cost(\$000) VCM cost(\$000) VCM par MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Cop Cost per MWh Max Capacity(MW) Min Capacity(MW) Min Capacity(MW) Annual Cap, Fac. Fuel used(GBtu) Coaf(Tons)		50 40 94 21,288 54,595 13,268 54,595 13,268 54,595 14,485 15 5,2550 5,2550 5,2550 5,2550 5,2550 5,2550 5,2550 5,2550 16 16 5,3056	50 40 22 5.11% 304 144 13.557 5.2,542 5.	50 40 40 30.78% 46 5 3655 5 7920 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	50           40           68           15.58%           925           13.555           5           5           40           68           15.58%           7.516           5           5           5           5           6           0           2011           65           -           6           0           71           1              118.51	*DIV/01 *DIV/0	50 50 18 40 18 4.15% 246 246 246 5 - 7 5 2.083 5 8.460 5 - 7 5 2.103 5 5 - 7 5 2.103 5 5 - 7 5 2.103 5 5 2.465 5 - 7 5 2.103 5 5 2.465 5 - 7 5 2.103 5 5 2.003 5 2.203 5 5 2.200 5 5 2.200 5 5 2.200 5 5 2.200 5 5 2.203 5 5 2.200 5 5 2.200 5 5 2.200 5 5 2.200 5 5 2.200 5 5 - 7 5 2.200 5 5 - 7 5 2.200 5 5 - 7 5 2.201 3 5 - 5 - 7 - 7 5 2.200 5 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - - 7 - - - - - - - - - - - - -	50 40 23 554% 311 13,548 5 2,255 5 7,25 5 7,25 7 7,25 5 7,25 7 7,25 5 7,25 7 7,
Rold ST	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VCM cost(\$000) VCM cost(\$000) VCM per MWh Num starts() Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Max Capacity(MW) Min Capacity(MW) Max Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000)		50 944 21;414 54;555;13:465 54;555;13:465 5;2;011 5;0;15 5;0;15 5;0;15 5;4922 5;3;056 5;3;056 5;3;056 5;3;056 5;3;056 5;3;056 5;2;057 2;0359 2;4 2;287 5;196 5;3;056	50 40 22 5.11% 304 144 13.557 \$ 2,542 \$ 8.371 \$ - 6 5 \$ 165 \$ 165 \$ 2,707 \$ 120.85 \$ 120.85 \$ 2,707 \$ 120.85 \$ 120.85 \$ 120.85 \$ 2,707 \$ 120.85 \$ 120.85\$\$\$ 120.85\$\$	50 40 40 40 40 5 5 5 5 5 5 5 5 5 5 5 5 5	50           40           68           15.58%           925           13.555           5           5           40           68           15.58%           7.516           5           5           5           5           6           0           2011           65           -           6           0           71           1              118.51	*D. 40 000% *DIV/01 *#DIV/01 * * #DIV/01 * * #DIV/01 * * #DIV/01 * * #DIV/01 * * #DIV/01 * * #DIV/01 * * #DIV/01 * * #DIV/01 * * #DIV/01 * * #DIV/01 * * #DIV/01 * * * #DIV/01 * * * * * * * * * * * * * * * * * * *	50 50 18 40 18 4.15% 246 246 246 5 - 7 5 2.083 5 8.460 5 - 7 5 2.103 5 5 - 7 5 2.103 5 5 - 7 5 2.103 5 5 2.465 5 - 7 5 2.103 5 5 2.465 5 - 7 5 2.103 5 5 2.003 5 2.203 5 5 2.200 5 5 2.200 5 5 2.200 5 5 2.200 5 5 2.203 5 5 2.200 5 5 2.200 5 5 2.200 5 5 2.200 5 5 2.200 5 5 - 7 5 2.200 5 5 - 7 5 2.200 5 5 - 7 5 2.201 3 5 - 5 - 7 - 7 5 2.200 5 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - - 7 - - - - - - - - - - - - -	50 40 33 5:249 311 13:548 5 7255 5 7255 5 7255 5 7255 5 7255 5 7255 5 7255 5 7255 5 1549 1055 5 1549 1055 1055 1055 1055 1055 1055 1055 105
Rold ST	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MMH Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Max Capacity(MW) Min Capacity(MW) Generation(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000)		50 944 21;414 54;555;13:465 54;555;13:465 5;2;011 5;0;15 5;0;15 5;0;15 5;4922 5;3;056 5;3;056 5;3;056 5;3;056 5;3;056 5;3;056 5;2;057 2;0359 2;4 2;287 5;196 5;3;056	50 40 22 5.11% 304 144 13.557 \$ 2,542 \$ 8.371 \$ - 6 5 \$ 165 \$ 165 \$ 2,707 \$ 120.85 \$ 120.85 \$ 2,707 \$ 120.85 \$ 120.85 \$ 120.85 \$ 2,707 \$ 120.85 \$ 120.85\$\$\$ 120.85\$\$	50 40 40 40 40 5 5 5 5 5 5 5 5 5 5 5 5 5	50 40 68 15.58% 925 13.555 5 7.516 5 8.127 \$ - 4 4 13 5 431 5 431 5 116.49 2 20111 65 5 - 6 1.05% 7,11 5 552 5 7.719 5 552 5 7.719 5 -	*D. 40 000% *DIV/01 *#DIV/01 * * #DIV/01 * * #DIV/01 * * #DIV/01 * * #DIV/01 * * #DIV/01 * * #DIV/01 * * #DIV/01 * * #DIV/01 * * #DIV/01 * * #DIV/01 * * #DIV/01 * * * #DIV/01 * * * * * * * * * * * * * * * * * * *	50 40 18 4.15% 246 5 3.246 5 - 7 7 5 8.246 5 - 7 7 5 8.246 5 - 7 7 5 8.246 5 - 7 7 5 8.246 5 - 7 7 5 8.246 5 - 7 7 5 8.246 5 - 7 7 5 8.246 5 5 8.402 5 8.402 5 8.402 5 8.402 5 8.203 5 7 7 7 7 5 8.203 7 7 7 7 7 8.203 5 8.203 7 7 7 7 7 8.203 7 7 7 7 8.203 7 7 7 7 7 8.203 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	50 40 33 5:249 313 3:548 5 7253 5 7253 5 7253 5 7253 5 7253 5 721 5 721 5 721 5 721 5 755 5 755 7 7555 7 755 755 7 755 7 755 7 755 7 755 7 755 7 755 7 755 7 755 755 75
Rold ST	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VCM cost(\$000) VCM per MWh Num starts(.) Start Fuel used(GBtu) Start fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Keneration(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VCM cost(\$000)		50 944 21:44% 54:555 54:555 52:5113:465 52:5113:465 52:5113:465 52:5113:465 52:5113:465 52:5113:465 53:5113:465 53:5113:465 54:5113:465 55	50 40 22 5.11% 304 13.557 \$ .2542 \$ .357 \$ .2542 \$ .375 \$ .2767 \$ .276	50 40 40 40 50 5 5 5 5 5 5 5 5 5 5 5 5 5	50 40 68 15.58% 925 	*D. 40 000% *DIV/01 *#DIV/01 * * #DIV/01 * * #DIV/01 * * #DIV/01 * * #DIV/01 * * #DIV/01 * * #DIV/01 * * #DIV/01 * * #DIV/01 * * #DIV/01 * * #DIV/01 * * #DIV/01 * * * #DIV/01 * * * * * * * * * * * * * * * * * * *	50 40 18 415% 246 246 246 246 246 2013 246 2,083 2,093 2,000	50 40 33 5:249 313 3:546 \$ 7225 \$ 7255 \$ 2,476 \$ 2,476 \$ 2,476 \$ 07.97 \$ 2,476 \$ 07.97 \$ 2,476 \$ 07.97 \$ 2,476 \$ 10.95 \$ 2,476 \$ 3,476 \$ 3,546 \$ 3,546\$ \$ 3,54
Rold ST	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Max Capacity(MW) Generation(GBtu) Coal(Tons) Heat Rate Fuel used(GBtu) Cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) Fuel Cost (\$000) Fuel Cost (\$000) Fue		50 944 21:44% 54:555 54:555 52:5113:465 52:5113:465 52:5113:465 52:5113:465 52:5113:465 52:5113:465 53:5113:465 53:5113:465 54:5113:465 55	50 40 22 5.11% 304 13.557 \$ .2542 \$ .357 \$ .2542 \$ .375 \$ .2767 \$ .276	50 40 40 40 40 46 45 45 5 5 5 5 5 5 5 5 5 5 5 5 5 4 4 4 4 4 4 5 4 5 5 5 5 4 4 4 4 5	50 40 68 15.58% 925 57,516 58,27 5 3,516 58,27 5 44 13 5431 5,431 5,431 5,431 5,2947 5,116,49 2,2011 65 5 6,1.05% 7,11 5,552 6,1.05% 7,719 5,552 5,552 6,105% 7,719 5,552 5,552 6,105% 7,719 5,552 5,552 6,105% 7,719 5,552 5,7719 5,552 5,7719 5,552 5,7719 5,552 5,7719 5,552 5,7719 5,552 5,7719 5,552 5,7719 5,552 5,7719 5,552 5,7719 5,552 5,7719 5,552 5,7719 5,552 5,7719 5,552 5,7719 5,552 5,7719 5,552 5,7719 5,555 5,7719 5,555 5,7719 5,555 5,7719 5,555 5,7719 5,555 5,7719 5,7516 5,7517 5,7516 5,7516 5,7516 5,7516 5,7516 5,7516 5,7516 5,7517 5,75	*DIV/01 *DIV/0	50 40 18 4.15% 246 5 3.561 5 3.2083 5 4.2083 5 3.8.460 5 4.2073 5 2.300 5 126,66 7 7 5 2.2013 5 126,66 7 7 5 2.2013 5 126,66 1.15% 8.8 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	50 40 23 5:249 311 13:546 5 7255 5 7255 5 7255 5 7255 5 7255 5 7255 5 7255 5 7255 5 307.95 5
Rold ST	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost (\$000) VCM cost(\$000) VCM cost(\$000) VCM cost(\$000) VCM cost(\$000) Total Operating Cost (\$000) Cop Cost per MWh Max Capacity(MW) Max Capacity(MW) Max Capacity(MW) Max Capacity(MW) Max Capacity(MW) Min Capacity(MW) Max Capacity(MW) Min Capacity(MW) Max Capacity(MW) Max Capacity(MW) Max Capacity(MW) Max Capacity(MW) Min Capacity(MW) Max Capacity(MW) Min Capacity(MW) Max Capacity(MW) Min Capacity(MW) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VCM cost(\$000) VCM per MWn Num starts(.)		50 944 21:44% 54:555 54:555 52:5113:465 52:5113:465 52:5113:465 52:5113:465 52:5113:465 52:5113:465 53:5113:465 53:5113:465 54:5113:465 55	50 40 22 5.11% 304 13.557 \$ .2542 \$ .357 \$ .2542 \$ .375 \$ .2767 \$ .276	50 40 40 46 133,493 5 5 5 7920 4 5 13 225 5 5 5 5 5 225 5 5 5 5 5 5 5 5 5 5	50 40 68 15.58% 925 57,516 58,27 5 3,516 58,27 5 44 13 5431 5,431 5,431 5,431 5,2947 5,116,49 2,2011 65 5 6,1.05% 7,11 5,552 6,1.05% 7,719 5,552 5,552 6,105% 7,719 5,552 5,552 6,105% 7,719 5,552 5,552 6,105% 7,719 5,552 5,7719 5,552 5,7719 5,552 5,7719 5,552 5,7719 5,552 5,7719 5,552 5,7719 5,552 5,7719 5,552 5,7719 5,552 5,7719 5,552 5,7719 5,552 5,7719 5,552 5,7719 5,552 5,7719 5,552 5,7719 5,552 5,7719 5,555 5,7719 5,555 5,7719 5,555 5,7719 5,555 5,7719 5,555 5,7719 5,7516 5,7517 5,7516 5,7516 5,7516 5,7516 5,7516 5,7516 5,7516 5,7517 5,75	\$0. 40 000% \$000% \$ #DIV/0 #DIV/0 #	50 50 18 40 18 4.15% 246 246 246 5 - 7 5 2013 5 8 460 5 - 7 5 2126 5 - 7 5 2135 5 5 - 7 5 2135 5 5 - 7 5 216 5 - 7 5 216 5 - 7 5 216 5 - - 5 - - 5 - - 5 - - - 5 - - - - - - - - - - - - -	50 40 33 5:249 313 3:546 \$ 7225 \$ 7255 \$ 2,476 \$ 2,476 \$ 2,476 \$ 07.97 \$ 2,476 \$ 07.97 \$ 2,476 \$ 07.97 \$ 2,476 \$ 10.95 \$ 2,476 \$ 3,546 \$ 3,546\$ \$ 3,54
Rold ST	Min Capacity(NW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VCM cost(\$000) VCM per MWh Num starts(.) Start Fuel used(GBtu) Start fuel used(GBtu) Total Operating Cost (\$000) Op Cost per MWh Min Capacity(MW) Min Capacity(MW) Capacity(MW) Min Capacity(MW) Min Capacity(MW) M		50 944 21,288 54,595 13,288 54,595 13,285 2,250 \$2,250 \$2,250 \$2,250 \$3,255 \$4922 \$3,056 \$32,51 5 \$3,056 \$32,51 65 \$32,51 65 \$32,51 65 \$30,56 \$32,51 65 \$30,56 \$30,56 \$30,55 \$30,	50 40 22 5.11% 304 144 13.557 5 .2.542 5 6 5 5 6 5 5 5 6 5 5 6 5 5 6 5 7 6 5 6 6 6 7 6 6 7 6 6 7 6 7 6 7 7 6 7	50 40 40 46 133,493 5 5 5 7920 4 5 13 225 5 5 5 5 5 225 5 5 5 5 5 5 5 5 5 5	50           40           68           15.58%           925           -           13.555           7.516           \$           14           13           \$           431           \$           9           2011           65           -           6           0.05%           711           -           6           11.05%           711           -           5           -           11.451           552           \$           -           -           11.05%           5           -           5           -           -	\$0. 40 000% \$000% \$ #DIV/0 #DIV/0 #	50 50 18 40 18 4.15% 246 246 246 5 - 7 5 2013 5 8 460 5 - 7 5 2126 5 - 7 5 2135 5 5 - 7 5 2135 5 5 - 7 5 216 5 - 7 5 216 5 - 7 5 216 5 - - 5 - - 5 - - 5 - - - 5 - - - - - - - - - - - - -	50 40 33 5:249 311 2.255 5 7223 5 723 5 723 5 723 5 723 7 5 2.476 5 2.476 5 2.476 5 2.476 5 2.476 5 2.476 5 2.519 10 5 5 2.519 5 7 2.23 5 5 7 2.23 5 7 2.23 5 7 2.23 5 7 2.23 5 7 2.25 5 7 7 2.25 5 7 7 2.25 5 7 7 2.25 5 7 7 2.25 5 7 7 2.25 5 7 2.25 5 7 2.25 5 7 2.25 5 7 2.25 5 7 2.25 7 2.25 5 2.477 6 5 2.27 7 2.25 7 2.27 7 2.25 7 2.27 7 2.25 7 2.27 7 2.25 7 2.27 7 5 2.27 7 2.27 2.27 2.27 7 2.27 7 2.27 2.27 2.27 7 2.27 2.27 7 2.27 7 2.27 7 2.27 7 2.27 2.27 2.27 2.27 2.27 2.27 2.27 2.27 2.27 7 2.27 2 2.27 2.27 2 2.27 2 2 2.27 2 2 2 2
Rold ST	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost (\$000) VCM cost(\$000) VCM cost(\$000) VCM cost(\$000) VCM cost(\$000) Total Operating Cost (\$000) Cop Cost per MWh Max Capacity(MW) Max Capacity(MW) Max Capacity(MW) Max Capacity(MW) Max Capacity(MW) Min Capacity(MW) Max Capacity(MW) Min Capacity(MW) Max Capacity(MW) Max Capacity(MW) Max Capacity(MW) Max Capacity(MW) Min Capacity(MW) Max Capacity(MW) Min Capacity(MW) Max Capacity(MW) Min Capacity(MW) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VCM cost(\$000) VCM per MWn Num starts(.)		50 94 21,288 54,555 52,2550 5,2500 5,5000 5,5000 5,5000 5,5000 5,5000 5,5000 5,5000 5,5000 5,5000 5,5000 5,5000 5,5000 5,5000 5,5000 5,5000 5,5000 5,5000 5,5000 5,5000 5,50000 5,50000 5,50000 5,50000 5,50000 5,50000 5,500000 5,50000000 5,50000000000	50 40 22 5.11% 304 144 13.557 5 2.542 5 .357 5 120.85 5 2.707 5 120.85 8 .2707 5 120.85 9 2.005 9 2.005 5 2.707 5 120.85 9 2.005 9 2.005	50 40 40 40 50 5 5 5 5 5 5 5 5 5 5 5 5 5	50 40 68 15.58% 925 - 13.555 5 7,516 5 8.127 \$ - 4 13 5 431 5 431 5 431 5 7,947 5 116.49 2 20111 65 - - - - - - - - - - - - -	*DIV/01 *DIV/0	50 40 18 4.15% 246 13.561 5 246 5 246 5 7 5 2013 5 5 2013 5 2013 5 2013 5 2013 5 2013 5 2013 5 2013 5 2013 5 2013 5 2013 5 2013 5 2015 5 5 2015 5 5 2015 5 5 5 5 5 5 5 5 5 5 5 5 5	50 40 40 43 5249 313 5289 57255 5725 5725 5725 5725 5725 5725 57
Rold ST	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VCM cost(\$000) VCM per MWh Num starts() Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Copacity(MW) Min Capacity(MW) Min Starts(J) Start Fuel used(GBtu) Start ruel used(GBtu) Start cost(\$000)		50 944 21:41% 54:555 13:465 52:51 13:465 52:51 13:465 52:51 13:465 52:51 13:465 52:51 13:465 52:51 14:455 53:51 2000 52:51 2000 53:51 2000 53:51 2000 53:51 2000 54:51 2000 54:51 2000 55:51 55:51 50:510 50:51 5	50 40 22 5.11% 304 144 13.557 \$ 2,542 \$ 8.371 \$ - 6 5 \$ 120.85 \$ 120.85 \$ 120.85 \$ 2,707 \$ 2,207 \$ 2,207	50 40 40 40 40 40 40 40 5 5 5 5 5 5 5 5	50 40 68 15.58% 925 5 7,516 5 8,127 \$ - 13,555 5 7,516 5 8,127 \$ - 14 13 5 431 5 431 5 431 5 431 5 431 5 431 6 5 6 - 10,6% 7 11 6 5 5 - 5 552 5 7,719 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -	*D. 40 000% *DIV/01 *#DIV/01 * * * #DIV/01 * * * * * * * * * * * * * * * * * * *	50 40 18 415% 246 246 3.561 3.561 3.561 3.8460 3.8460 3.8460 3.8460 3.8460 3.126666 3.126666 3.12666666666666666666666666666666666666	50 40 33 5:249 311 3:548 5 7253 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Reid ST	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VCM cost(\$000) VCM per MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Max Capacity(MW) Min Capacity(MW) Start Fuel used(GBtu) Start Fuel used(GBtu) Start Fuel used(GBtu) Start reut used(GBtu) Start reut used(GBtu) Start cost(\$000) VOM per MWh Num starts(.)		50 944 21;288 54;955;13:485 54;955;13:485 54;2500 5;2;500 5;2;500 5;2;500 5;2;500 5;2;250 5;3;251 5;3;3056 5;3;251 5;3056	50 40 22 5.11% 304 144 13.557 5 .2.542 5 5 5 5 5 5 6 5 6 5 5 5 6 5 5 6 5 5 6 5 6 5 6 6 6 6 6 7 6 6 6 7 6 6 7 6 7 6 7 6 7 6 7 7 7 6 7	50 40 40 40 50 5 5 5 5 5 7 9 5 5 5 5 5 5 5 5 5 5 5 5 5	50           40           68           15.58%           925           -           3.555           7.516           \$ .27           41           13           \$ 431           \$ .37           14           13           \$ 431           \$ .37           116.49           -           20111           65           -           6           0.05%           711           -           4           5           -           11.651           \$ .52           \$ .7719           \$           \$           \$           \$           \$           \$           \$           \$           \$           \$           \$           \$           \$           \$           \$           \$           \$ <tr td=""></tr>	\$0. 40 40 900% \$ #DIV/01 # #DIV/01 # # # # # # # # # # # # # # # # # # #	50 50 18 40 18 4.15% 246 246 246 5 - 7 5 2013 5 - 7 5 2126 5 - 7 5 2203 5 5 - 7 5 2203 5 5 - 7 5 208 5 - 5 - 7 5 208 5 - 5 - 5 - 5 - - 5 - - 5 - - 5 - - - 5 - - - - - - - - - - - - -	50 40 35:249 311 32,548 57253 5727 5727 5727 5727 5727 5727 572
Rold ST	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VCM cost(\$000) VCM per MWh Num starts() Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Copacity(MW) Min Capacity(MW) Min Starts(J) Start Fuel used(GBtu) Start ruel used(GBtu) Start cost(\$000)		50 944 21:41% 54:555 13:465 52:51 13:465 52:51 13:465 52:51 13:465 52:51 13:465 52:51 13:465 52:51 14:455 53:51 2000 52:51 2000 53:51 2000 53:51 2000 53:51 2000 54:51 2000 54:51 2000 55:51 55:51 50:510 50:51 5	50 40 22 5.11% 304 144 13.557 5 .2.542 5 5 5 5 5 5 6 5 6 5 5 5 6 5 5 6 5 5 6 5 6 5 6 6 6 6 6 7 6 6 6 7 6 6 7 6 7 6 7 6 7 6 7 7 7 6 7	50 40 40 40 50 5 5 5 5 5 5 7 9 2 5 5 5 5 5 5 5 5 7 9 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	50           40           68           15.58%           925           -           3.555           7.516           \$ .27           41           13           \$ 431           \$ .37           14           13           \$ 431           \$ .37           116.49           -           20111           65           -           6           0.05%           711           -           4           5           -           11.651           \$ .52           \$ .7719           \$           \$           \$           \$           \$           \$           \$           \$           \$           \$           \$           \$           \$           \$           \$           \$           \$ <tr td=""></tr>	*D. 40 000% *DIV/01 *#DIV/01 * * * #DIV/01 * * * * * * * * * * * * * * * * * * *	50 50 18 40 18 4.15% 246 246 246 5 - 7 5 2013 5 - 7 5 2126 5 - 7 5 2203 5 5 - 7 5 2203 5 5 - 7 5 208 5 - 5 - 7 5 208 5 - 5 - 5 - 5 - - 5 - - 5 - - 5 - - - 5 - - - - - - - - - - - - -	50 40 40 40 40 40 51 40 51 4 5 725 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Reid ST	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VCM cost(\$000) VCM per MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Max Capacity(MW) Min Capacity(MW) Start Fuel used(GBtu) Start Fuel used(GBtu) Start Fuel used(GBtu) Start reut used(GBtu) Start reut used(GBtu) Start cost(\$000) VOM per MWh Num starts(.)		50 944 21;288 54;955;13:485 54;955;13:485 54;2500 5;2;500 5;2;500 5;2;500 5;2;500 5;2;250 5;3;251 5;3;3056 5;3;251 5;3056	50 40 22 5.11% 304 144 13.557 5 .2.542 5 5 5 5 5 5 6 5 6 5 5 5 6 5 5 6 5 5 6 5 6 5 6 6 6 6 6 7 6 6 6 7 6 6 7 6 7 6 7 6 7 6 7 7 7 6 7	50 40 40 40 50 5 5 5 5 5 7 9 5 5 5 5 5 5 5 5 5 5 5 5 5	50           40           68           15.58%           925           -           3.555           7.516           \$ .27           41           13           \$ 431           \$ .37           14           13           \$ 431           \$ .37           116.49           -           20111           65           -           6           0.05%           711           -           4           5           -           11.651           \$ .52           \$ .7719           \$           \$           \$           \$           \$           \$           \$           \$           \$           \$           \$           \$           \$           \$           \$           \$           \$ <tr td=""></tr>	\$0. 40 40 900% \$ #DIV/01 # #DIV/01 # # # # # # # # # # # # # # # # # # #	50 50 18 40 18 4.15% 246 246 246 5 - 7 5 2013 5 - 7 5 2126 5 - 7 5 2203 5 5 - 7 5 2203 5 5 - 7 5 208 5 - 5 - 7 5 208 5 - 5 - 5 - 5 - - 5 - - 5 - - 5 - - - 5 - - - - - - - - - - - - -	50 40 33 5:249 311 33,548 57253 5725 5725 5725 5725 5725 5725 572

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EntityName		2008	2009	2010	2011	2012	2013
Green 1	Max Capacity(MW)	210-231	231	231	231	231	231 30 4 231
	Min Capacity(MW)	Sec. (180)	180	Sec. 180	180	180A	180 180
	Generation(GWh)	1,848	1.947	1,779	1,911	1,807	1,848 1,636
	Annual Cap, Fac.	91,07%	96.19%	87,92%	94.46%		91.31% 80.87
	Fuel used(GBtu)	20,678	21,782	19,559	21,024	19,878	20,326 17,991
	Coal(Tons)	1,033,900	1,089,099	977,947	1,051,187	993,881	1,016,305 899,868
·····	Heat Rate	11:190	11.190	10.993	10.999	10.999	11.000
	Fuel cost(\$000)	\$ 23,656		\$ 34,072		\$ 34,786	\$ 35,774 \$ 32,03
				\$ 1.742			
····	Fuel Cost per MMBTu						
	VOM cost(\$000)	\$6. 5,470				\$ 7,446	<u>\$ 7,835</u> \$2 7,111
	VOM per MWh		\$ 3.130			\$ 4.120	\$ 4.240 \$ 4.35
	Num starts(.)		7		13	-14	13
	Start Fuel used(GBtu)	(Sec. 17.	17	21	26	32	27 44
•	Start cost(\$000)	*\$\$\$\$551×		\$ 678	\$ 833	.1,044	\$ 879 《\$净有(43)
				観察者を行う			
	Total Operating Cost (\$000)	\$1,29,677	\$ 35,767	\$ 40,656	\$ 44,831	3\$ 43,276	\$ 44,488 \$ 40,59
	Op Cost per MWh	\$ 15:06	\$ 18.37	\$ 22.85	\$ 23.45	\$ 23,95	\$ 24.08 \$ 24.8
					201.1		
EntityName		12008	2009	a 2010	2011	2012	2013
Green 2	Max Capacity(MW)	223	223	223	223	223	223
	Min Capacity(MW)		180	081.	180	180	<u>180</u> 18
	Generation(GWh)	1,801	1,699	1,835		1,799	
	Annual Cap. Fac.	91:95%	86.97%	93.93%			88.17% 94.94
•	Fuel used(GBtu)	20,376	19,219	20,412		20,021	19,158 20,63
	Coai(Tons)	1,018,807		1,020,600		1,001,044	957,912 1,031,48
	Heat Rate	11.312	11.313	11.124	11.131	11.126	11.124 11.12
	Feel cost(\$000)	\$ 23,310	\$ 25,696	\$ 35.558	\$ 29,091	\$ 35,037	\$ 33,719 \$ 36,72
	Fuel Cost per MMBTu	\$ 1.1440		15 11 742	\$ 1,750	\$ 3.1,750	\$ 1.760 \$ 1.78
	VOM cost(\$000)	\$ 5,332				<ul> <li>BOC DESCRIPTION</li> </ul>	\$ 7,303 \$ 88,06
	VOM per MWh	\$ 2.960				\$ 4.120	
~~~~~	Num starts(.)		8	8		2.51 313	15 18 18
	Start Fuel used(GBtu)	-25	25	27		26	41
		\$ 816		\$ 869		\$ 839	
	Start cost(\$000)	· 2019/0201	\$ 000	nestrené té progr	2 L.007	STATISTICS AND	010 010 010 010 010 010 010 010 010 010
	Total Operating Cost (\$000)	\$ 29,458	\$ 31,819	\$ 42,519	\$ 36,585	\$ 43,289	\$ 42,340 \$ 45,60
******	Op Cost per MWh		\$ 18.73	\$ 23:17	\$ 24.50	\$ 24:06	\$ 24.58 \$ 24.5
		1			l .	1	
		\$250 \$5 <b>2008</b>		an North 2010		a wa wa <b>2012</b>	2013 201320
Fotal	Max Capacity(MW)		1,738			1737	1,737
	Min Capacity(MW)	1,070	1,255	1,255	1,255	1,255	1,255
	Generation(GWh)	12,511	12,431	12,726	12,253	12,373	12,308 12,53
	Annuai Cap. Fac.	81.69%	81.66%				80.87% 82.38
	Fuel used(GBtu)		138,288	140,838	135,843	136,531	135,205 137,68
	Coal(Tons)	5,316,380	5,254,968	6,380,079		6,192,167	6,121,438 6,220,12
	Heat Rate	-5/41.123	11.124	11.067	11.086	11:035	10.985 10.98
	Fuel cost(\$000)	\$ 207,173	\$ 208,460	\$ 232,159	\$ 231,033	\$,234,177	\$ 244,181 \$ 250,79
	Fuel Cost per MMBTu	\$ 1.489	\$ 1.507	\$ 1.648	\$ 1.701	\$ 1.715	\$ 1.805 \$ 1.82
	VOM cost(\$000)	\$ 27,795	\$ 30,758	\$ 33,329	\$ 35,008	\$ 38,366	
·····	VOM per MWh	\$ 2.222		\$ 2.619		5 3.101	
	Num starts(.)	200	114	113	141	125	120 12
	Start Fuel used(GBtu)	265	254	263	295	257	259 26
	Start cost(\$000)	5 7:441	\$ 7.069	\$ 7:406		5 7,179	5 7,439 \$ 7,57
	130011 0056 30001	2 ···· 2 ···· 2	a 7,009	-00 T - 100	- 4,024	12 Lat 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	a 1,400 karkarigay
		2.23 5.1523 (2009) 5.15		Service States &		Sec. 155 6	a construction of the back
	Total Operating Cost (\$000)	\$ 242,409	\$ 246,287	\$ 777 BOA	\$ 274,556	\$ 279,722	\$ 290,594 \$ 298,84

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			2045		2016		2017	2010		10101	<u></u>	2020		2024			·	3655
EntityName		ļ	2015	Ļ	2016	l	2017	2018		2019		~~~~		2021		2022	i	2023
D B Wilson 1		ļ	417		417		417 325	417	••••••••		1	417		417		417		325
	Min Capacity(MW)		325		325 3,380		2,904	3,380	•	325	2	3,369		3,216	12.97	3,371		3,191
	Generation(GWh) Annual Cap. Fac.		87.50%	1	92.28%		79.50%	92.53%		87.54%	\$. I	91.98%		88.04%		2.29%		87.36%
	Fuei used(GBta)		34,462	12	36,462		31,331	36,453	*	34,522		36,345		34,680		36,369		34,410
	Coal(Tons)	h	498,330		585,323	1.	362,214	1,584,903	1.	500,956		580,228	1	507,807		1,258	1.	196,093
	Heat Rate		10.782		10,787		10.789	10,785		10.783		10.787		10.783		0.786		10.783
	Fuel cost(\$000)	\$		\$	65,726	\$		\$ 67,802	5		\$	69,419	\$			0,919	5	67,788
	Fuel Cost per MMBTu	\$		\$	1.830		1.840	\$ 1,860	\$	1.890	\$	1.910	\$	1.930		11950		1.970
	VOM cost(\$000)	İş.		(A)	9,533		8,421	\$ 10,072	\$		\$	10,580	\$	10,388		1,193		10,882
	VOM per MWh	\$	2.740		2,820		2.900	\$ 2.980			4	3.140	. \$	3.230	ŵ.	3.320		3.410
	Num starts(,)	1	9	<	3 25 10		14	· · · · · · · · · · · · · · · · · · ·		10	-	10		9		1 10		10
	Start Fuel used(GBtu)		50	1.6	52		81	45.		57	3	54		50		52		58
·	Start cost(\$000)	5	1,664	\$	1,767	• \$		\$ 1,633	\$	2,085	÷.	2.027	5	1,935	s:	2,058	ँड	2,391
	1	+		190	1009012			and a state			ι?	estimation :			- A. (A			
	Total Operating Cost (\$000)	5	72,453	5	78,026	\$	68,886	\$ 79,508	\$	77,128	*	82;025	5	79,254	5	34,180	\$	81,051
	Op Cost per MWh	1.5		-5	23/08	\$	23.72	\$ 23.52	\$		5	24:34		24.64	<b>\$</b>	24.97		25.40
		1		1		1			T	i iii			<b></b>				T	
	[	f		-		1			1	1		*****						
EntityName	1	Ť-	2015	NG	01-04 <b>2016</b>	3	2017	2018		2019	â. E	2020	r	2021	184	2022		2023
HMPL 1	Max Capacity(MW)	t	152	424	152	5	152	(h. s. s. s. s. 152.)	5	152	205	1.0.152		152		152		152
	Min Capacity(MW)	t	140	38	140		140	140	;	140	3	140		140	12	140		140
	Generation(GWh)	1	1,122	All	1,197		1,119	1;225	Υ <u></u>	1.051	隧	1,116		1,160	020	1,224		1,122
l	Annual Cap. Fac.	T	84.18%	14	(89.55%		83.94%	91.98%	_	78.84%	26. 1	83,48%		87.00%		1.81%		84.16%
	Fuel used(GBtu)	1	12,154		12,965		12,121	13,280	:	11,385	<b>殿</b> 湯	12,083		12,561		13,259		12,150
	Coal(Tons)	1	528,451	30	563,708		526,978	577,413	<u></u>	494,991	S.	525,352		546,119		76,469		528,280
	Heat Rate	1	10.829		10.830		10.830	10.829		10.83D	S)),	10.827		10.829		10.832		10.828
	Fuel cost(\$000)	\$		: \$	23,467		22,180	\$ 24,569	\$	21,403	5	22;958	\$	23,991		25,722		23,815
	Fuel Cost per MMBTu	\$	1.790	5	1.810		1.830	\$ 1,850			4	1.900		1.910		1,940		1.960
	VOM cost(\$000)	\$	5,028	蟰	5,507		5,293	\$ 5,960	\$		1	5,725	\$	6,113	- ha	6,634		6,250
	VOM per MWh	\$	4.480	<b>NB</b>	4.600	5	4.730	\$ 4.860	5		*	5,130	\$	5.270	16.20	5.420		5,570
	Num starts(.)	Γ.	15		115		14	12		21	1	14	{	13		15		13
	Start Fuel used(GBtu)		28		. 28		25	23		38	3.1	26	<u>}</u>	24		28		24
	Start cost(\$000)	\$	943	9¥	963	\$ \$	903	\$ 837	\$	1,402	ri <b>s</b> i	980	\$	915	×72	1,127	\$	969
		Τ		44		3		马克德尔德斯	ł		135	series al			10.20	特殊资	<u>,</u>	
	Total Operating Cost (\$000)	\$		\$	29,937			\$ 31,355		28,051		29,663	\$	31,019		33,483		31,034
	Op Cost per MWh	\$	24.70	\$	25.01	\$	25.36	\$ 25:58	\$	26.68	<i>6</i> 5	26.58	\$	26.74	\$7	27:35	4 <b>\$</b>	27.66
· · ·		1				Ì			1									
	1	1		1					<u> </u>									
EntityName			2015	545	44. <b>201</b>		2017	enter (* 2018		2019	素金			2021	agurt :	2022		2023
EntityName HMPL 2	Max Capacity(MW)		158		158		158	0309-03158	à.	158	1944 7240	158		158		<b>.</b> 158	i.	158
	Min Capacity(MW)		158 140		158 140	_	158 140	158 140	à 2	158 140		158 140		158 140		, 158 , 140	š	158 140
	Min Capacity(MW) Generation(GWh)		158 140 1,261		158 140 1,173	\$ 	158 140 1,246	158 140 1,149	9 9 9	158 140 1,222		158 140 1,047		158 140 1,254		158 140 1,190		158 140 1,224
	Min Capacity(MW) Generation(GWh) Annual Cap. Fac.		158 140 1,261 90,98%		158 140 1,173 81,449	6	158 140 1,246 89.87%	158 140 1,149 182:94%		158 140 1,222 88.21%		158 140 1,047 75.36%		158 140 1,254 90.46%		158 140 1,190 85:86%	i 	158 140 1,224 88.33%
	Min Capacity(MW) Generation(GWh) Annual Cap, Fac, Fuel used(G8tu)		158 140 1,261 90.98% 13,672		158 140 1,173 81,449 12,718		158 140 1,246 89.87% 13,504	158 140 1,149 82:94% 12:460		158 140 1,222 88.21% 13,251		158 140 1,047 75.36% 11,352		158 140 1,254 90.46% 13,590		158 140 1,190 95:86% 12,903		158 140 1,224 88.33% 13,272
	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(G8tu) Coal(Tons)		158 140 1,261 90.98% 13,672 594,438		158 ,140 1,173 84,449 12,718 552,977	4	158 140 1,246 89.87% 13,504 587,112	158 140 1,149 82,94% 12,460 541,755		158 140 1,222 86.21% 13.251 576,110		158 140 1,047 75.36% 11,352 493,562		158 140 1,254 90.46% 13,590 590,873	100 AN 100	158 140 1,190 95,86% 12,903 61,020		158 140 1,224 88.33% 13,272 577,058
	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coak(Tons) Heat Rate		158 140 1,261 90.98% 13,672 594,438 10.844		158 140 1,173 84,449 12,718 552,977 10:840		158 140 1,246 89.87% 13,504 587,112 10.842	158 140 1,149 82:94% 12,460 541,755 10.841		158 140 1,222 88.21% 13.251 576,110 10.839		158 140 1,047 75.36% 11,352 493,562 10,840	_	158 140 1,254 90.46% 13,590 590,873 10.841	5	158 140 1,190 95,88% 12,903 61,020 10,841		158 140 1,224 88.33% 13,272 577,058 10.843
	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coat(Tons) Heat Rate Fuel cost(\$000)	4	158 140 1,261 90.98% 13,672 594,438 10.844 24,473		158 140 1,173 84,44% 12,718 552,977 10,840 23,020	5 S	158 140 1,246 89.87% 13,504 587,112 10.842 24,712	158 140 1,149 82,94% 12,460 541,755 10,841 \$ 23,052	5	158 140 1,222 88.21% 13.251 576,110 10.839 24,911		158 140 1,047 75.36% 11,352 493,562 10,840 21,569	5	158 140 1,254 90,46% 13,590 590,873 10,841 25,957	10 A	158 140 1,190 85:88% 12,903 61,020 10:841 25;033	\$	158 140 1,224 88.33% 13,272 577,058 10.843 26,014
	Min Capacity(MW) Generation(GWIi) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu	\$	158 140 1,261 90.98% 13,672 594,438 10.844 24,473 1.790	ないのであるという	158 140 1,173 84,44% 12,718 552,977 10,840 23,020 1,810	5 S	158 140 1,246 89.87% 13,504 587,112 10.842 24,712 1.830	158 140 1/149 82.94% 12,460 541,755 10.841 \$ 23,052 \$ 1.850	55	158 140 1,222 88.21% 13,251 576,110 10.839 24,911 1.880		158 140 1;047 75.36% 11.352 493.562 10.840 21,569 1;900		158 140 1,254 90,46% 13,590 590,873 10,841 25,957 1,910		158 140 1,190 85,86% 12,903 61,020 10,841 25,033 1,940	\$	158 140 1,224 88,33% 13,272 577,058 10,843 26,014 1,960
	Min Capacity(MW) Generation(GWh) Annual Cap, Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000)	\$ \$	158 140 1,261 90.98% 13,672 594,438 10.844 24,473 1.790 5,648	ないのであるのである	158 140 1,173 81,44% 12,718 552,977 10,840 23,020 1,810 5,397		158 140 1,246 89.87% 13,504 587,112 10.842 24,712 1.830 5,891	158 140 1/149 82:94% 12:460 541,755 10:841 \$ 23,052 \$ 1:850 \$ 5,585	555	158 140 1,222 88.21% 13.251 576,110 10.839 24,911 1.880 6,100	いい いい かきたき	158 140 1,047 75.36% 11.352 493,562 10.840 21,569 11.900 5,372		158 140 1,254 90.46% 13,590 590,873 10.841 25,957 1.910 6,605		158 140 1,190 85,86% 12,903 61,020 10,841 25,033 1,940 6,451	\$ \$	158 140 1,224 88.33% 13,272 577,058 10.843 26,014 1.960 6,818
	Min Capacity(MW) Generation(GWh) Annual Cap, Fec. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost (\$000) Fuel Cost (\$000) VOM cost (\$000) VOM per MWh	\$	158 140 1,261 90.98% 13,672 594,438 10.844 24,473 1.790 5,648 4.480	ないのであるという	158 140 1,173 81,44% 12,718 552,977 10,840 23,020 1,810 5,397 4,600	6 S S S S S S S S S S S S S S S S S S S	158 140 1,246 89.87% 13,504 587,112 10.842 24,712 1.830 5,891 4,730	158 140 1/149 82:94% 12:460 541:755 10:841 \$ 23:052 \$ 1850 \$ 5:586 \$ 4:860		158 140 1,222 88.21% 13.251 576,110 10.839 24,911 1.880 6,100 4.990		158 140 1,047 75.36% 11.352 493,562 10.840 21,569 11.900 5.372 5.130		158 140 1,254 90,46% 13,590 590,873 10,841 25,957 1,910 6,605 5,270		158 140 1,190 85,86% 12,903 61,020 10,841 25,033 1,940 6,451 5,420		158 140 1,224 88.33% 13,272 577,058 10.843 26,014 1.960 6,818 5.570
	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(G8tu) Coat(G8tu) Coat(G8tu) Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWh Num starts(.)	\$ \$	158 140 1,261 90.98% 13,672 594,438 10.844 24,473 1.790 5,648 4.480 13	ないのであるのである	158 140 1,173 84,44% 12,718 552,977 10,840 23,020 1,810 5,397 4,600 17		158 140 1,246 85,87% 13,504 587,112 10,842 24,712 1,830 5,891 4,730 17	158 140 1/149 82:94% 12:460 541;755 10:841 \$ 23,052 \$ 1:850 \$ 5:586 \$ 4:860 17		158 140 1,222 88,21% 13,251 576,110 10,839 24,911 1,880 6,100 4,990 17	いい いい かきたき	158 140 1,047 75,36% 11,352 493,562 10,840 21,569 11,900 5,372 5,130 24		158 140 1,254 90,46% 13,590 590,873 10,841 25,957 1,910 6,605 5,270 17		158 140 1,190 85,86% 12,903 61,020 10,841 25,033 1,940 6,451 5,420 17	\$ \$ \$ \$	158 140 1,224 88.33% 13,272 577,058 10.843 26,014 1.960 6,818 5.570 17
	Min Capacity(MW) Generation(GWh) Annual Cap, Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu)	\$ \$	158 140 1,261 90,98% 13,672 594,438 10.844 24,473 1.790 5,648 4.480 13 24	A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF	158 140 1,173 84,449 12,718 552,977 10,840 23,020 1,810 5,397 4,600 17 34		158 140 1,246 89.87% 13,504 587,112 10.842 24,712 1.830 5,891 4.730 17 33	158 140 1/149 82.94% 12,460 541,755 10.841 \$ 23,052 \$ 1.850 \$ 5,586 \$ 4.860 17 34	5555	158 140 1,222 88.21% 13.251 576,110 10.839 24,911 1.880 6,100 4.990 17 34	の言語には、「「「「「」」	158 140 1047 75.36% 11,352 493,562 10.840 21,569 11900 5,372 5,130 24 48		158 140 1,254 90.46% 13,590 590,873 10.841 25,957 1.910 6,605 5.270 17 34	145 S S S S	158 140 1,190 85,86% 12,903 61,020 10,841 25,033 1,940 6,451 5,420 17 34	***	158 140 1,224 88.33% 13,272 577,058 10.843 26,014 1.960 6,818 5.570 17 33
	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(G8tu) Coat(G8tu) Coat(G8tu) Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWh Num starts(.)	\$ \$	158 140 1,261 90.98% 13,672 594,438 10.844 24,473 1.790 5,648 4.480 13	ないのであるのである	158 140 1,173 84,449 12,718 552,977 10,840 23,020 1,810 5,397 4,600 17 34		158 140 1,246 85,87% 13,504 587,112 10,842 24,712 1,830 5,891 4,730 17	158 140 1/149 82:94% 12:460 541;755 10:841 \$ 23,052 \$ 1:850 \$ 5:586 \$ 4:860 17	5555	158 140 1,222 88.21% 13.251 576,110 10.839 24,911 1.880 6,100 4.990 17 34	いい いい かきたき	158 140 1,047 75,36% 11,352 493,562 10,840 21,569 11,900 5,372 5,130 24		158 140 1,254 90,46% 13,590 590,873 10,841 25,957 1,910 6,605 5,270 17		158 140 1,190 85,86% 12,903 61,020 10,841 25,033 1,940 6,451 5,420 17	***	158 140 1,224 88.33% 13,272 577,058 10.843 26,014 1.960 6,818 5.570 17
	Min Capacity(MW) Generation(GWIi) Annual Cap, Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTU VOM cost(\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu) Start Fuel used(GBtu)	\$ \$ \$ \$	158 140 1,261 90.98% 13,672 594,438 10.844 24,473 1.790 5,648 4.480 13 24 810		158 140 1,173 84,44% 12,718 552,977 10,840 23,020 1,810 5,397 4,600 17 34 1,172	6 S S S S S S S S S S S S S S S S S S S	158 140 1,246 89.87% 13,504 587,112 10.842 24,712 1.830 5,891 4.730 17 33 1,160	158 140 17149 82:94% 12:460 541,755 10.841 \$ 23,052 \$ 1.850 \$ 5,586 \$ 4.860 17 7 34 \$ 0,230	5555	158 140 1,222 88,21% 13,251 576,110 10,839 24,911 1.880 6,100 4,990 17 34 1,262	10日には、「「「「「「「」」」	158 140 1:047 75.36% 11.352 493:562 10.840 21:569 1:900 5:372 5:130 24 48 1:806	s = = = = = = = = = = = = = = = = = = =	158 140 1,254 90.46% 13,590 590,873 10.841 25,957 1.910 6,605 5.270 17 34 1.301	100 100 100 100 100 100 100 100 100 100	158 140 1,190 85.86% 12,903 61,020 10.841 25,033 1.940 6,451 5,420 17 34 1,362	***	158 140 1,224 88,33% 13,272 577,058 577,058 10.843 26,014 1.960 6,818 5.570 6,818 5.570 1.7 33 1.352
	Min Capacity(MW) Generation(GWh) Annual Cap, Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000)	\$ \$	158 140 1,261 90,98% 13,672 594,438 10,844 24,473 1,790 5,648 4,480 13 24 810 30,931		158 140 1,173 84,444 12,718 552,977 10,840 23,020 1,810 5,397 4,600 17 34 1,172 29,550	S S S S S S S S S S S S S S S S S S S	158 140 1,246 89.87% 13,504 587,112 10.842 24,712 1.830 5,891 4,730 17 33 1,160	158 140 1/149 82:94% 12:460 541:755 10:841 23:052 \$ 1:850 \$ 4:860 17 34 \$ 1:230 \$ 1:230 \$ 1:230 \$ 1:230 \$ 1:230 \$ 1:230 \$ 1:230 \$ 1:230 \$ 1:230 \$ 1:240 \$ 1:250 \$ 1:850 \$ 1:250 \$ 1:850 \$ 1:270 \$ 1:240 \$ 1:240\$ \$ 1:	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	158 140 1,222 88,21% 13,251 576,110 10,839 24,911 1.880 6,100 4,990 17 34 1,262 32,273	「「「「「「「「「」」」」、「「」」、「」、「」、「」、「」、「」、「」、「」、	158 140 1;047 75.36% 11.352 493;562 10.840 21,569 11.900 5.372 5.130 24 1.805 24 1.805		158 140 1,254 90,46% 13,590 590,873 10,841 25,957 1,910 6,605 5,270 17 34 4 1,301 33,865		158 140 1,190 85.86% 12,903 61,020 10,841 25,033 1,940 6,451 5,420 17 34 1,362 32,846	\$ \$ \$ \$	158 140 1,224 88,33% 13,272 577,058 26,014 1.960 6,818 5.570 17 33 1,352 34,184
	Min Capacity(MW) Generation(GWIi) Annual Cap, Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTU VOM cost(\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu) Start Fuel used(GBtu)	\$ \$ \$	158 140 1,261 90.98% 13,672 594,438 10.844 24,473 1.790 5,648 4.480 13 24 810		158 140 1,173 84,44% 12,718 552,977 10,840 23,020 1,810 5,397 4,600 17 34 1,172	S S S S S S S S S S S S S S S S S S S	158 140 1,246 89.87% 13,504 587,112 10.842 24,712 1.830 5,891 4.730 17 33 1,160	158 140 17149 82:94% 12:460 541,755 10.841 \$ 23,052 \$ 1.850 \$ 5,586 \$ 4.860 17 7 34 \$ 0,230	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	158 140 1,222 88,21% 13,251 576,110 10,839 24,911 1.880 6,100 4,990 17 34 1,262 32,273	「「「「「「「「「」」」」、「「」」、「」、「」、「」、「」、「」、「」、「」、	158 140 1:047 75.36% 11.352 493:562 10.840 21:569 1:900 5:372 5:130 24 48 1:806	s = = = = = = = = = = = = = = = = = = =	158 140 1,254 90.46% 13,590 590,873 10.841 25,957 1.910 6,605 5.270 17 34 1.301		158 140 1,190 85.86% 12,903 61,020 10.841 25,033 1.940 6,451 5,420 17 34 1,362	\$ \$ \$ \$	158 140 1,224 88,33% 13,272 577,058 577,058 10.843 26,014 1.960 6,818 5.570 6,818 5.570 1.7 33 1.352
	Min Capacity(MW) Generation(GWh) Annual Cap, Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000)	\$ \$ \$	158 140 1,261 90,98% 13,672 594,438 10,844 24,473 1,790 5,648 4,480 13 24 810 30,931		158 140 1,173 84,444 12,718 552,977 10,840 23,020 1,810 5,397 4,600 17 34 1,172 29,550	S S S S S S S S S S S S S S S S S S S	158 140 1,246 89.87% 13,504 587,112 10.842 24,712 1.830 5,891 4,730 17 33 1,160	158 140 1/149 82:94% 12:460 541:755 10:841 23:052 \$ 1:850 \$ 4:860 17 34 \$ 1:230 \$ 1:230 \$ 1:230 \$ 1:230 \$ 1:230 \$ 1:230 \$ 1:230 \$ 1:230 \$ 1:230 \$ 1:240 \$ 1:250 \$ 1:850 \$ 1:250 \$ 1:850 \$ 1:270 \$ 1:240 \$ 1:240\$ \$ 1:2	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	158 140 1,222 88,21% 13,251 576,110 10,839 24,911 1.880 6,100 4,990 17 34 1,262 32,273	「「「「「「「「「」」」」、「「」」、「」、「」、「」、「」、「」、「」、「」、	158 140 1;047 75.36% 11.352 493;562 10.840 21,569 11.900 5.372 5.130 24 1.805 24 1.805	s = = = = = = = = = = = = = = = = = = =	158 140 1,254 90,46% 13,590 590,873 10,841 25,957 1,910 6,605 5,270 17 34 4 1,301 33,865		158 140 1,190 85.86% 12,903 61,020 10,841 25,033 1,940 6,451 5,420 17 34 1,362 32,846	\$ \$ \$ \$	158 140 1,224 88,33% 13,272 577,058 26,014 1.960 6,818 5.570 17 33 1.352 34,184
HMPL 2	Min Capacity(MW) Generation(GWh) Annual Cap, Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000)	\$ \$ \$	158 140 1,261 90,98% 13,672 594,436 10.844 24,473 1.790 5,648 4.480 13 24 810 30,931 24,53		158 140 1173 81449 12/18 552,977 10.840 23,020 1.810 5,397 4,600 17 344 1,472 29,590 25,222	5 S S S S S S S S S S S S S S S S S S S	158 140 1,246 89,87% 13,504 587,112 10,842 24,712 1,830 5,891 4,730 1,763 31,763 25,50	158 140 1,149 82:94% 12,460 541,755 40,854 541,755 4,1850 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,1855,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,185 5,	SS\$\$	158 140 1,222 88,21% 13,251 576,110 10,839 24,911 1,880 6,100 4,990 17 34 1,262 32,273 26,40		158 140 11047 75 369 11352 493,562 10,840 21,569 11900 5,372 5,130 24 48 1,806 28,747 27,45	\$ \$ \$ \$ \$	158 140 1,254 90,46% 13,590 590,873 10,841 25,957 1,910 6,606 5,270 17 34 1,301 33,865 27,01	19 19 19 19 19 19 19 19 19 19 19 19 19 1	158 140 1190 85.86% 12903 61,020 10.841 25,033 1940 6,451 5,420 34 1,362 32,846 27,60	\$ \$ \$ \$	158 140 1,224 88.33% 13,272 577,058 10.843 26,014 1.960 6,818 5.570 1.7 33 1.352 34,184 27,93
HMPL 2	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GStu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per (\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh	\$ \$ \$	158 140 1,261 90,98% 13,672 594,436 10.844 24,473 1.790 5,648 4.480 13 24 810 30,931 24,53 24,53		158 140 1173 84 449 12718 552,977 10.840 23,020 1.810 5,397 4,600 17 34 1.472 29,590 25.22 201	\$ \$ \$ \$ \$ \$ \$ \$ \$	158 140 1,246 89,87% 13,504 587,112 10,842 24,712 1,830 5,891 4,730 17 33 1,160 31,763 25,50 2017	158 40 1149 8294% 42,460 54,755 4,755 4,556 4,556 4,556 4,556 4,556 4,556 4,556 4,556 4,556 4,556 4,556 4,556 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,557 4,5577 4,5577 4,5577 4,55777 4,55777 4,5577777 4,557777777777	\$ \$ \$ \$ \$ 5	158 140 1,222 88.21% 13.251 576,110 10.839 24,911 1.880 6,100 4.990 17 34 1.262 32,273 26.40 2019		158 140 1;047 75,369 493;562 10,840 21;569 1;900 5,372 5,130 24 48 1;806 28;747 27,45	\$ \$ \$ \$ \$	158 140 1,254 90,46% 590,873 10,841 25,957 1,910 6,605 5,270 17 34 4 1,301 33,865 27,01 2021		158 140 1,190 85.86% 12,903 61,020 10,841 25,033 1,940 6,451 5,420 17 34 1,362 32,846 27,60	\$ \$ \$ \$	158 140 1,224 88.33% 13,272 577,058 10.843 26,014 1.960 6,818 5.570 17 33 1.352 34,184 27,93 2023
HMPL 2	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu) Start Fuel used(GBtu) Start Fuel used(GBtu) Total Operating Cost (\$000) Op Cost per MWh Max Capacity(MW)	\$ \$ \$	158 140 1,261 90,98% 13,672 594,848 10,844 24,473 1,790 5,648 4,480 133 24 810 30,931 24,53 2015 2015 149		158 140 1173 84,44% 12,718 552,977 10,840 25,020 1,810 5,397 4,600 17 34 1,472 29,590 25,22 2011 2011	\$ \$ \$ \$ \$ \$ \$ \$ \$	158 140 1,246 89,87% 13,504 587,112 10,842 24,712 1,830 5,891 4,730 177 33 1,160 31,763 25,50 2017 149	158 140 1,149 82,99% 12,460 541,755 23,052 5,1850 5,556 5,4860 37 5,29,867 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,967 5,29,29,967 5,29,967 5,29,29,29 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,29,59 5,59,59 5,59,59 5,59,59 5,59,59 5,59,59 5,59,59 5,59,59,59 5,59,59,59,59,59,59,59,59,59,59,59,59,59	S S S S S S S S S S S S S S S S S S S	158 140 1,222 88.21(%) 13,251 576,110 10,839 24,911 1.880 6,100 17 34 1,262 32,273 26,40 2019 149		158 140 75,36% 11,352 493,562 10,840 21,569 11,900 5,372 5,130 24 48 1,806 28,747 27,45 28,747 27,45	\$ \$ \$ \$ \$	158 140 1,254 90.46% 13,590 590,873 10.841 25,957 1.910 6,605 5.270 17 34 1.301 33,865 27.01 33,865 27.01	19 19 19 19 19 19 19 19 19 19 19 19 19 1	158 140 15,90 55,66% 12,903 10,841 25,033 12,940 5,420 17 34 1,362 27,60 22,60 22,60	\$ \$ \$ \$ \$	158 140 1,224 88.33% 13,272 577,058 10.843 26,014 1.960 6,818 5.570 6,818 5.570 177 33 1.352 34,184 27.93 2023 149
HMPL 2	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Max Capacity(MW) Min Capacity(MW)	\$ \$ \$	158 140 1,261 90,98% 13,672 594,438 10,844 24,473 1,790 5,648 4,480 13 24 5,648 810 30,931 24,53 30,931 24,53 2015 2015 2015 2015 2015 2015 2015 2015		158 140 11173 84.44% 12,718 552,977 10.840 23,020 1.810 5,397 4.600 10 134 1.472 29,590 2522 29,590 2522 2011 149 70 70	5 S S S S S S S S S S S S S S S S S S S	158 140 1,246 89,87% 13,504 587,112 10,842 24,712 1,830 1,763 25,50 31,763 25,50 2017 149 70	158 140 1,149 82:94% 12,460 541,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,755 41,7556 41,7556 41,7556 41,7556 41,7556 41,7556 41,7556 41,7556 41,7556	\$ \$ \$ \$ \$	158 140 1,222 88,21% 13,251 576,110 10,839 24,911 1,880 6,100 4,990 17 34 1,262 32,273 26,40 2019 149 70		158 140 75,36% 11,352 493,562 10,840 21,569 11,900 5,372 5,130 24 48 1,806 28,747 27,45 28,747 27,45	\$ \$ \$ \$ \$	158 140 1,254 90.46% 13,590 590.873 10.841 25,957 1.910 6,605 5.270 17 7 34 1.301 33,865 27.01 2021 149 70		158 1400 55.86% 12;903 64,020 10,6841 25;033 41;940 6;451 5;420 17 32,846 227;60 2222 149 2022 149 270	s s s s s	158 140 1,224 88.33% 13,272 577,058 10.843 26,014 1.960 6.818 5.570 1.7 33 1.352 34,184 27,93 34,184 27,93 2023 149 70
HMPL 2	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GStu) Coal(Tons) Heat Rate Fuel cost (\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per (\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Max Capacity(MW) Min Capacity(MW)	\$ \$ \$	158 140 1,261 90,98% 13,672 594,438 10.844 24,473 1.790 5,648 4,480 13 24 4,480 13 24 810 30,931 24,53 30,931 24,53 2015 149 700 0,1,200		158 140 1,173 81,444 12,718 552,977 10,840 23,020 1,810 5,397 4,6600 17 34 1,172 29,590 2522 201 349 1,194	6 S S S S S S S S S S S S S S S S S S S	158 140 1,246 89,87% 13,504 587,112 10,842 24,712 1,830 5,891 4,730 17 33,1,160 31,763 25,50 2017 149 700 7,009	158 140 1,149 82,944 12,450 541,755 30,0841 5,23,052 4,1850 4,1850 4,1850 4,1850 4,1850 4,1850 4,1850 4,197 4,173 4,2599 4,2599 4,173 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,197 4,19	\$ \$ \$ \$ \$	158 140 1,222 88,21% 13,251 576,110 10,839 24,911 1,880 6,100 4,990 17 34 1,262 32,273 26,40 2019 149 70 0,1192		156 140 75.36% 11.352 493.562 10.840 21.569 11900 5.372 5.130 24 48 1.806 28,747 27.45 28,747 27.45 2020 149 149 1.132	\$ \$ \$ \$ \$ \$	158 140 1,254 90,46% 13,590 590,873 10,841 25,957 1,910 6,606 5,270 17 34 1,301 33,865 27,01 2021 149 700 1,194		158 1400 12903 12903 12903 12903 12903 12903 12903 12903 12903 12900 1490 2025 27,60 2025 149 2025 149 2025 149 2025 149 2025 149 2025 149 2025 149 2025 149 2025 149 2025 149 2025 149 2025 149 2025 149 2025 149 2025 149 2025 149 2025 149 2025 149 2025 149 2025 149 2035 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 12903 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12903 12903 12903 12903 12903	\$ \$ \$ \$ \$	158 140 1,224 88,33% 13,272 577,058 26,014 1.960 6,818 5,570 17 33 1,352 34,184 27,93 34,184 27,93 34,184 27,93 2023 149 70 0
HMPL 2	Min Capacity(MW)           Generation(GWh)           Annual Cap, Fac.           Fuel used(GBtu)           Coal(Tons)           Heat Rate           Fuel cost(\$000)           Fuel cost(\$000)           VOM cost(\$000)           VOM cost(\$000)           Start Fuel used(GBtu)           Start Fuel used(GBtu)           Start cost(\$000)           Total Operating Cost (\$000)           Op Cost per MWh           Max Capacity(MW)           Min Capacity(MW)           Min Capacity(MW)           Annual Cap, Fac.	\$ \$ \$	158 140 1,261 90,98% 90,98% 994,436 10,844 24,473 1,790 5,648 4,480 13 24 4,480 13 24 4,480 13 24 4,480 13 24,53 24 53 24,53 24,53 24,53 2015 2015 2015 2019 70 2019 70 91,97%		158 140 1173 84 449 12,718 552,977 10,840 23,020 1810 5,397 4,600 17 344 1,172 29,590 2522 2522 201 201 149 70 70 91,229	6 S S S S S S S S S S S S S S S S S S S	158 140 1.246 89.87% 13.504 587.112 10.842 24.712 24.712 1.830 5.891 4.730 17 33 31.160 31,763 25.50 2017 149 70 1.019 78.03%	158 140 1,149 82,94% 12,460 541,755 23,052 5,1850 3,556 3,4860 34 4,860 34 4,4860 34 4,230 5,299 5,299 5,299 5,299 5,299 70 1,173 86,900	\$ \$ \$ \$ \$	158 140 1,222 88,21% 13,251 576,110 10,839 24,911 1,880 6,100 4,990 17 34 4,990 17 34 1,262 32,273 26,40 2019 149 70 1,192 91,34%		158 140 75,36% 11,047 75,36% 493,562 10,840 21,569 11900 23,562 5,130 24 48 1,806 28,747 27,45 28,747 27,45 28,747 27,45 2020 149 2020 149 2020 2020 2020 2021 2020 2020 2020 202	\$ \$ \$ \$ \$ \$	158 140 1,254 90,46% 590,873 10,841 25,957 1,910 6,605 5,270 17 34 4 1,301 33,865 27,01 2021 149 70 1,194 91,50%	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	158 140 12903 12903 12903 12903 12903 12903 12900 10841 25033 12900 10841 25033 12900 139451 5420 27760 2202 249 220 209 209 209 209 209 209 209 209 20	\$ \$ \$ \$ \$ \$	158 140 1,224 88,33% 13,272 577,058 26,014 1.960 6,818 5,570 17 33 1,352 34,184 27,93 34,184 27,93 2023 149 70 1,111 85,11%
HMPL 2	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Max Capacity(MW) Min Capacity(MW) Min Capacity(MW) Annual Cap. Fac. Fuel used(GBtu)	\$ \$ \$	158 140 1,261 90,98% 93,3672 594,438 1,790 5,648 4,480 1,33 24 810 30,931 24,53 2015 149 1,200 91,97% 12,954		158 140 1,173 84,449 12,718 552,977 10,840 23,020 1,810 5,397 4,600 17, 14,90 25,327 29,550 25,327 29,550 25,327 2011 149 70 11,154 91,229 12,885		158 140 1,246 89,87% 13,504 587,112 24,712 1,830 5,891 4,730 1,830 31,763 25,50 2017 2017 2017 149 70 70 1,019 78,03%	158, 140, 1,149 82,994 12,460, 541,755, 10,841, 52,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505, 14,5,505,14,5,505, 14,5,505,14,5,505, 14,5,505,14,5,505, 14,5,505,14,5,505, 14,5,505,14,5,505, 14,5,505,14,5,505, 14,5,505,14,5,505, 14,5,505,14,5,505, 14,5,505,14,5,505, 14,5,505,14,5,505, 14,5,505,14,5,505, 14,5,505,14,5,505, 14,5,505,14,5,505, 14,5,505,14,5,505, 14,5,505,14,5,505, 14,5,505,14,5,505,14,5,505, 14,5,505,14,5,505,14,5,505,14,5,505,14,5,505,14,5,505,14,5,505,14,5,505,14,5,505,14,5,505,14,5,505,14,5,505,14,5,505,14,5,505,14,5,505,14,5,505,14,5,505,14,5,505,14,5,505,14,5,505,14,5,505,14,5,505,14,5,505,14,5,505,14,5,505,14,5,505,14,5,505,14,5,505,14,5,505,14,5,505,14,5,505,14,5,505,14,5,505,14,5,505,1	5555 5555 5555 555 555 555 555 555 555	158 140 1,222 86,21% 13,251 576,110 10,839 24,911 1,880 6,100 4,990 17 34 1,262 32,273 26,40 2019 2019 70 1,192 91,34%		156 140 75.36% 11,352 493,562 10.840 21,569 1990 23,562 1990 24 49 5372 5.130 24 48 1,805 28,747 27,45 28,747 27,45 28,747 27,45	\$ \$ \$ \$ \$ \$	158 140 1,254 90,46% 13,590 590,873 10,841 25,957 1,910 6,605 5,270 17 34 1,301 33,865 27,01 33,865 27,01 2021 149 70 1,194 91,50%	5 \$\$\$\$ \$ \$	158 140 12190 55.66% 55.66% 55.66% 12900 10:841 12900 10:841 12900 10:841 12900 10:841 12:8420 12:190 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 12:00 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5.570 17 33 1,352 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 34,184 27,93 20,93 20,944 27,93 20,944 27,93 20,944 27,93 20,944 27,93 20,944 27,93 20,944 27,93 20,944 27,93 20,944 27,93 20,944 27,93 20,944 27,93 20,944 27,93 20,945 20,944 27,93 20,944 27,93 20,944 27,93 20,944 27,93 20,944 27,93 20,944 27,93 20,944 27,93 20,944 27,93 20,944 20,945 20,945 20,945 20,945 20,945 20,945 20,945 20,945 20,945 20,945 20,945 20,945 20,945 20,945 20,945 20,945 20,945 20,945 20,945 20,945 20,945 20,945 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HMPL 2	Min Capacity(MW) Generation(GWh) Annual Cap, Fac, Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per (MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Max Capacity(MW) Min Capacity(MW) Generation(GWh) Annual Cap, Fac, Fuel used(GBtu) Coal(Tons)	\$ \$ \$	158 140 1,261 90,98% 13,672 594,438 10,844 24,473 1,790 5,648 4,480 133 24 810 30,931 24,53 2015 149 700 1,200 91,97% 12,954 12,954		158 140 1473 84,449 12,718 552,977 10,840 25,020 1,810 5,397 4,600 1,810 5,397 4,600 1,810 25,397 4,600 25,397 4,600 25,227 29,590 25,227 2011 149 70 0,194 91,285 560,225 560,225	5 S S S S S S S S S S S S S S S S S S S	158 140 1,246 89,87% 13,504 587,112 10,842 24,712 1,830 5,891 4,730 333 1,160 31,763 25,50 2017 149 700 1,019 78,03% 10,991	158 140 1,149 82,944 12,450 541,755 10,841 45,23052 45,259 44,850 4,850 4,850 4,850 4,850 4,850 4,850 4,850 4,850 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950 4,950	5555 5555 5555 555 555 555 555 555 555	158 140 1,222 86,21% 13,251 576,110 1,880 6,100 4,990 1,7 34 1,262 32,273 26,40 2019 149 70 1,192 91,34% 70 1,192 91,34%		156 140 1047 75.36% 11,352 493.562 10,840 21,569 1500 5372 51130 24 48 1,806 28,747 27,45 28,747 27,45 2020 149 1700 1,132 86,47% 12,215 331,073	\$ \$ \$ \$ \$ \$	158 140 1,254 90.46% 90.873 13,590 590.873 10.841 25,957 1.910 6,605 5.270 1.719 34 1.301 33,865 27.01 33,865 27.01 2021 149 700 1,194 91.50% 12,890		158, 140 14290 85,669 12903, 61,020 10,641 125,033 11,940 64,51 54,20 17, 34,420 17, 34,420 17, 34,420 17, 34,420 27,60 2022 24,60 22,646 22,760 2022 149 70 11,128 76 59,834	\$ \$ \$ \$ 2	158 140 1,224 88,33% 13,272 577,058 26,014 1.960 6,818 5,570 17 33 1,352 34,184 27,93 34,184 27,93 2023 149 70 1,111 85,11%
HMPL 2	Min Capacity(MW) Generation(GWh) Annual Cap, Fac. Fvel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(M	\$	158 140 1,261 90,98% 13,672 594,438 10,844 24,473 1.790 5,648 4,480 1.3 24 30,931 24,53 30,931 24,53 2015 1,49 70 1,200 91,97% 12,954 563,227 10,792		158 140 1173 84.449 12,718 552,977 10840 23,020 1.810 5,397 4,600 1.810 5,397 4,600 1.810 7,397 4,600 25,297 29,590 25,22 29,590 25,22 2011 149 70 4,194 90,229 2012 149 70 4,194 90,229 2011 149 70 4,194 90,229 2011 149 70 4,194 149 70 4,194 70 2012 149 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 2012 70 70 2012 70 2012 70 70 70 70 70 70 70 70 70 70 70 70 70		158 140 1,246 89.87% 13,504 587,112 24,712 1.830 5,891 4.730 5,891 17 7 31,160 31,763 25,50 31,763 25,50 700 1,019 700 1,019 78,03% 10,991 477,869 10,791	158, 140, 1,149, 52,999, 541,755, 10,841, 52,3052, 5,125,00, 5,125,00, 4,4860, 17, 34 5,29,867, 5,29,9867, 5,29,9867, 5,29,9867, 5,29,987, 5,29,997, 14,997, 14,997, 14,173, 59,907, 12,264, 550,594, 10,792, 10,797, 10,797, 10,797, 10,797, 10,797, 10,797, 10,797, 10,797, 10,797, 10,797, 10,797, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 10,997, 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10,997, 10,997,		158 140 1,222 86,21% 13,251 576,110 10,839 24,911 1,880 6,100 4,990 17 34 1,262 32,273 26,40 2019 2019 70 1,192 91,34%		158 140 11047 75 36% 11352 193562 11930 5372 5130 24 48 13806 28,747 27,45 28,747 27,45 28,747 27,45 2020 149 149 1,132 86,47% 12,215 531,073	\$ \$ \$ \$ \$	158 140 1,254 90,46% 90,46% 590,873 10,841 25,957 1,910 6,606 5,270 17 33,4 1,301 33,865 27,01 33,865 27,01 2021 1,49 70 1,194 91,50% 91,50% 560,456 10,793	5 \$\$\$\$ 4 44	158 140 11,100 55,68% 12,903 61,020 10,641 25,033 1,240 6,451 5,420 17 7 34 4 1,362 22,846 22,846 22,846 22,846 22,846 22,846 22,846 22,846 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 24,94 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HMPL 2	Min Capacity(MW) Generation(GWh) Annual Cap, Fac, Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Max Capacity(MW) Min Capacity(MW) Generation(GWh) Annual Cap, Fac, Fuel used(GBtu) Coal(Tons) Heat Rate Fuel Cost(\$000)	\$ \$ \$	158 140 1,261 13,672 594,438 10,844 24,473 1,790 5,648 4,480 4,480 30,931 24,53 2015 149 70 1,200 91,97% 12,954 563,227 10,792 24,613		158 1400 1173 84.44% 12718 552,977 10.840 5,397 1.810 5,397 4.600 177 34 4.600 177 34 4.600 177 34 4.600 177 34 4.600 177 34 4.600 177 34 4.600 177 34 4.600 177 34 740 34 740 34 740 34 740 34 740 34 740 34 740 34 740 34 740 34 740 34 740 34 740 34 740 34 740 34 740 34 740 34 740 34 740 34 740 34 740 34 740 34 740 34 740 74 74 74 74 74 74 74 74 74 74 74 74 74		158 140 1.246 89.87% 13,504 587,112 10.842 24,712 1.830 5,891 17 33 31,763 25,50 2017 149 78,03% 1,019 78,03% 10,991 477,869 10,791 21,323	158, 140, 1,149 82,944 94,755, 10,841, 23,052 5,10,841, 23,052 5,10,841, 23,052 5,10,841, 24,450, 44,800, 5,25,99 20,10,720, 44,900, 11,733 89,907, 12,2644, 550,594 12,2644, 550,594 12,264, 12,27,27,27,27,27,27,27,27,27,27,27,27,27	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	158 140 1,222 88,21% 13,251 576,110 10,839 24,911 1.880 6,100 4,990 17 34 4,990 17 34 4,990 17 34 4,990 17 34 4,990 17 34 26,40 2019 149 70 1,192 26,40 2019 149 755,433 10,793 25,605		158 140 10,97 75,36% 11,352 19,352 10,840 19,352 19,352 19,352 19,352 19,352 19,352 20,253 20,253 20,253 20,253 20,253 20,253 20,253 20,253 20,253 20,253 20,253 20,253 20,253 20,253 20,253 20,253 20,253 20,253 20,253 20,253 20,253 20,253 20,253 20,253 20,253 20,253 20,253 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 20,255 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14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 14,900 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HMPL 2	Min Capacity(MW) Generation(GWIi) Annual Cap, Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel cost per MMBTU VOM cost(\$000) VOM per MWH Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWH Max Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min 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HMPL 2	Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fvel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Generation(GWh) Annual Cap. Fac. Fuel used(GBtu) Coal(Tons) Fuel cost(\$000) Fuel Cost, per MMBTu VOM cost(\$000)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	158 140 90.98% 90.98% 90.438 10.844 24.473 294.438 244 810 30.931 30.931 30.931 24.53 20155 20155 20155 20155 20155 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 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HMPL 2	Min Capacity(MW) Generation(GWh) Annual Cap, Fac. Fvel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) VOM cost(\$000) VOM cost(\$000) Start Fuel used(GBtu) Start Fuel used(GBtu) Start Fuel used(GBtu) Start Cost(\$000) Op Cost per MWh Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Generation(GWh) Annual Cap, Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MMBTu VOM cost(\$000)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	158 140 90.98% 90.98% 90.438 10.844 24.473 294.438 244 810 30.931 30.931 30.931 24.53 20155 20155 20155 20155 20155 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 20152 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HMPL 2	Min Capacity(MW) Generation(GWh) Annual Cap, Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu) Go Cost per MWh Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min 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HMPL 2	Min Capacity(MW) Generation(GWh) Annual Cap, Fac. Fvel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) VOM cost(\$000) VOM cost(\$000) Start Fuel used(GBtu) Start Fuel used(GBtu) Start Fuel used(GBtu) Start Cost(\$000) Op Cost per MWh Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Generation(GWh) Annual Cap, Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MMBTu VOM cost(\$000)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	158 140 90.8% 13,672 90.8% 10,844 24,473 1,790 1,3672 1,4400 10,844 10,044 10,05 1,4400 11,290 12,453 24,53 24,53 24,53 24,53 2015 563,227 10,792 24,613 1,900 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 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10,893,502 10,890,513 10,890,5130 5,120 244 86 1,806 288,747 227,45 2022 2022 1499 700 1,132 2,202 2022 2022 2022 2022 2022 2,829 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 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2,500 2,500 2,500 2,	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	158 140 12,254 90.46% 13,3590 55,957 13,1590 45,557 17 13,2597 17 149 33,885 5270 17 33,885 5270 17 33,885 5270 17 33,885 5270 17 33,885 5270 17 2022 17 2022 12,540 2022 12,540 2025 10,793 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 20,570 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HMPL 2	Min Capacity(MW) Generation(GWh) Annual Cap, Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) VOM cost(\$000) VOM cost(\$000) VOM per MWh Num starts(). Start Fuel used(GBtu) Start cost(\$000) Op Cost per MWh Max Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Max Capacity(MW) Max Capacity(MW) Min Capacity(MW) Max Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Max Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Start Fuel used(GBtu) Start Fuel used(GBtu) Start Fuel used(GBtu) Start fuel used(GBtu) Start fuel used(GBtu) Start cost(\$000)	**** * * * * * * * * * * * * * * * * *	158 140 90,98% 13,672 99,98% 13,672 24,473 1,790 5,648 4,480 810 810 30,931 24,53 24,53 24,53 24,53 24,53 24,53 24,53 149 9,70 2,617 2,260 1,556,227 10,792 2,617 2,2180 2,617 2,2180 2,617 2,2180 2,617 2,2180 2,617 2,2180 2,617 2,2180 2,617 2,2180 2,617 2,2180 2,617 2,2180 2,617 2,2180 2,617 2,2180 2,617 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 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2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2		158 140 14173 264449 25,020 25,020 15,037 4,600 177 343 4,600 177 343 1,172 29,580 25,580 25,580 25,580 25,580 2011 1,199 91,229 30,199 2011 1,199 91,229 2010 1,199 2010 1,199 2010 1,199 2010 1,199 2010 1,199 2010 1,199 2010 1,199 2010 1,199 2010 1,199 2010 1,199 2010 1,199 2010 1,199 2010 1,197 1,197 1,197 1,197 1,197 1,197 1,197 1,197 1,197 1,197 1,197 1,197 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HMPL 2	Min Capacity(MW) Generation(GWh) Annual Cap, Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu) Go Cost per MWh Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min Capacity(MW) Min 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24,473 24,473 24,573 24,575 563,227 10,792 24,613 1,900 12,2954 563,227 2,617 2,2180 15,572 24,613 1,900 12,595 15,572 24,613 1,900 12,595 12,575 12,461 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 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26,40 26,40 26,40 2019 149 73 26,40 2019 149 73 26,40 2019 149 73 26,40 2019 149 73 26,40 2019 149 73 26,40 2019 149 73 26,40 2019 149 73 26,40 2019 149 73 26,40 2019 149 73 26,40 2019 149 73 26,40 1,222 26,40 1,222 26,40 2,612 2,612 2,612 2,612 2,612 2,610 1,222 2,610 2,610 2,610 1,222 2,610 2,610 2,610 1,222 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 2,610 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2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,740 2,7	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	158 140 1,224 88,33% 13,272 577,058 26,014 1,960 6,818 5,570 1,960 6,818 5,570 1,960 6,818 5,570 1,7 33 1,352 1,352 1,352 1,352 2,023 149 70 1,411 85,11% 11,987 521,162 2,080 3,011 2,200 3,011 2,210 2,080 3,011 2,210 2,685 1,214 1,214 2,025 3,011 2,210 2,025 3,011 2,210 2,025 3,011 2,010 2,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 1,025 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HMPL 2	Min Capacity(MW) Generation(GWh) Annual Cap, Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Min Capacity(MW) Min Capacity(MW) Start Fuel used(GBtu) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000)	**** * * * * * * * * * * * * * * * * *	158 140 90,98% 13,672 99,98% 13,672 24,473 1,790 5,648 4,480 810 810 30,931 24,53 24,53 24,53 24,53 24,53 24,53 24,53 149 9,70 2,617 2,260 1,556,227 10,792 2,617 2,2180 2,617 2,2180 2,617 2,2180 2,617 2,2180 2,617 2,2180 2,617 2,2180 2,617 2,2180 2,617 2,2180 2,617 2,2180 2,617 2,2180 2,617 2,2180 2,617 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 2,718 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521,162 10,992 24,932 24,932 2,2080 3,011 2,710 15 5575 575
HMPL 2	Min Capacity(MW) Generation(GWh) Annual Cap, Fac. Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VOM cost(\$000) VOM per MWh Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Min Capacity(MW) Min Capacity(MW) Start Fuel used(GBtu) Start Fuel used(GBtu) Start cost(\$000) Total Operating Cost (\$000)	**** * * * * * * * * * * * * * * * * *	158 140 90.8% 13,672 90.8% 13,672 90.8% 13,672 24,733 10,872 10,992 24,473 24,473 24,473 24,473 24,473 24,473 24,473 24,573 24,575 563,227 10,792 24,613 1,900 12,2954 563,227 2,617 2,2180 15,572 24,613 1,900 12,595 15,572 24,613 1,900 12,595 12,575 12,461 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 2,661 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EntityName Coleman 2					~~~~~~~	2012								
Coleman 2 I			2015	2016		2017	2018	2019	1	2020	L	2021	2022	202
·······	Max Capacity(MW)		138	138		138	138	138	- 0	138		138	138	138
	Min Capacity(MW)		70 8	70		70	.70	70		7.0		70	્સર કુ≦્ <b>70</b>	7(
ii	Generation(GWh)		1,055	- 855		1,078	1,073	971		1,048		1,061	984	1,077
	Annual Cap. Fac.		87.24%	70.57%		9.19%	88,79%	80.30%	2	86.46%		87.75%	81.40%	89.079
	Fuel used(GBtu)		12,712	10,315		2,996	12,949	11,721		12,649	·	12,798	11,874	12,991
	Coal(Tons)		552,681	448,467	56	5,037	563,013	509,607	199	549/971		556,417	516,252	564,805
	Heat Rate		12.054	12,058	1	2.053	12.064	12.075		12.070		12.064	12.066	12.065
	Fuel cost(\$000)	\$	24,152	\$ 19,804			\$ 25,510	\$ 23,325	15	25;425	5	25,979	\$ 24,460	\$ 27,020
	Fuel Cost per MMBTu	\$		\$ 1.920				.\$ 1,990	\$			2.030		
	VOM cost(\$000)	\$		\$ 1,916	\$		\$ 2,544	\$ 2,359	1	2,620	: c		\$ 2,598	\$ 2,918
				\$ 2.240						2,500	5			
	VOM per MWh	<u>.</u>	2.180								<u> </u>			
	Num starts(,)		15	21		13	15	15	<u>.</u>	14		15	15	11
	Start Fuel used(GBtu)		24	32		20	24	25	-97	22		24	25	18
	Start cost(\$000)	\$	456	\$ 612	\$	389 :	\$2.489	s 514	<u>`</u> \$-	462'	- \$	534	5 548	\$ 403
						7			- 633	5	:	;	in the division of	
	Total Operating Cost (\$000)	\$	26,907	\$ 22,333	\$ 2	8.081	\$ 28,542	\$ 26,198	<u>ن</u>	28,508	\$	29,239	\$" 27,606	\$ 30,341
	Op Cost per MWh	\$		5 26/11	5		\$ 26,59	\$ 26.99				27.56	\$ 28.05	1 5 28.18
	ep des printin		1			1					<u> </u>			1.7
										*****	<del>{</del>			
		<b>.</b>												
EntityName			2015	2016			2018	201		ster - 2020	1	2021	2022	202
Coleman 3	Max Capacity(MW)	L	154	154		154	154	154		154		154	in 154	154
	Min Capacity(MW)	<b></b>	110	110		110	110	110		110		110	110	11(
	Generation(GWh)		1,097	1,203		1,205	1,124	1,166		1,201		1,041	1,220	1,21
	Annual Cap. Fac.	<b> </b>	81.33%	88.95%	ş	39.33%	83.29%	86.40%		88:79%		77.19%	90:44%	89.90
<b> </b>	Fuel used(GBtu)	<u> </u>	11,879	13,025		13,047	12,164	12,618		13,002		11,276	13,210	13,13
											ş			
	Coal(Tons) .	ļ	516,467	566,303		57,248	528,854	548,602		565,287		490,265	574,347	570,91
	Heat Rate	<u> </u>	10.826	10.825		10.826	10.826	10.826		10.825		10.829	10.827	10.82
	Fuel cost(\$000)	\$	22,570	\$ 25,008		25,311		\$ 25,110		25,133	\$	22,891		
	Fuel Cost per MMBTu	\$	1.900	\$ 1,920	\$	1.940		\$ 1.990		2:010	\$	2.030		
	VOM cost(\$000)	5	2,392	\$ 2,695	\$	2,772	\$ 2,663	\$ 2,832	\$	3,003	\$	2,676	\$ 3,221	\$ 3,28
	VOM per MWh	\$		\$ 2.240		2,300	\$ 2,370		75	2.500		2.570		
	Num starts(.)	<u>}-</u>	16	16		16	17	17		2 17		21	16	1
	Start Fuel used(GBtu)		22	22		22	.24	24		24		28	22	2
		+		\$ 427			100.00							
	Start cost(\$000)	\$	417	24.480-01.4KM	\$	436		\$ 500		510	- 2	610	\$ 498	\$ 201
		1					[[[1]]][[1]]][[1]][[1]][[1]][[1]][[1]]		-30	12.0.021	<u> </u>			:
	Total Operating Cost (\$000)	\$	25,379	\$ 28,131	\$ 2		\$ 27,112	\$ 28,442			·_\$		\$.30,932	
	Op Cost per MWh	\$	23.13	\$ 23.38	\$	23,66	\$ 24:13	\$ 24.40	2\$	24.69	\$	25.14	\$ 25.35	\$ 25.6
		1			ļ			1	1		T			1
		t							-		1	*******		1
EntityName		t	2015	2015	i	2017	2018	201	9	2020	i	2021	× 2022	202
		ţ			1			50						
Rold ST	Max Capacity(MW)	Į	50	50		50	50			<b>3</b> (250	<u>.</u>	50	50	5
	Min Capacity(MW)	L	40	40	·	40	40	40	t	40		40	(i) ( <b>40</b>	4
	Generation(GWh)	I	12	- S. 42		62	11		_ 2	题: 译相9	1	18		-
	Annual Cap. Fac.	Т	2.68%	9163%		14.09%	2.60%	0.00%	60%	4.27%	j	4.07%	0.00%	0.00
	Fuei used(GBtu)	1	159	573		836	154	-	3.0	254		242	洞沿着空间	
	Coal(Tons)	t								and a start of the	********			1 .
L				1 33 C & de	-		- 영상 등 승규는 영상 등		-40			-	2.40 12 12 12 12	
		ł	12 667	119667		13 649	Selling sea	#00/01	-8	13 649	·	13 660	#htt/at	#011//01
	Heat Rate	<u>t</u>	13.557	13.557		13.548	13.563	#DIV/0!		13.548		13.559	#DIV/01	#DIV/0
	Heat Rate Fuel cost(\$000)	5	1,213	/\$ 4/340	\$	6,936	\$ 1,350	\$ -		2,041		2,221	*******	\$ *
	Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu	\$		/\$ 4/340 \$ 7.569	\$ \$	6,936 8.297	\$ 1,350 \$ 8,750	\$ - #DIV/01	_\$	2,041 8,040	1	2,221 9.180	\$ #DIV/01	·
· · · · · · · · · · · · · · · · · · ·	Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu VCM cost(\$000)		1,213	/\$ 4/340	\$	6,936 8,297	\$ 1,350	\$ - #DIV/01 \$ -		2,041 8,040		2,221	\$ #DIV/01 \$	\$ #DIV/0! \$
	Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu	\$	1,213	/\$ 4,340 \$ 7,569 \$ \$	\$ \$ \$	6,936 8,297 -	\$ 1,350 \$ 8:750 \$ \$	\$ - #DIV/01		2,041 8,040	1	2,221 9,180	\$ #DIV/01 \$ #DIV/01	\$ *
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	Heat Rate           Fuel cost(\$000)           Fuel Cost per MMBTu           VOM cost(\$000)           VOM cost(\$000)           Start Cost(\$000)           Start Cost(\$000)           Total Operating Cost (\$000)           Op Cost per MWh           Min Capacity(MW)           Min Capacity(MW)           Min Capacity(MW)           Generation(GWI)           Annual Cap. Fac.           Fuel used(GBtu)           Coal(Tons)           Heat Rate           Puel uset(\$000)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,213 7,620 - - - 1,213 103.30 2015 65 - 8 8 1.45% 97 - 11.728 697	/* 4340 \$ 7569 \$ 8 * 8 8 8 8 8 8 8 8 8 8 8 8 8 8		6,936 8,297 - - 5 5 162 7,098 115.03 2017 65 - - 11 1.98% 134 - - 11.824 993	\$ 1,350 \$ 8,750 \$ \$ \$ \$ \$ 126.32 \$ 126.32 \$ 137.55 \$ 126.32 \$ 126.32\$ 126.32\$ 126.32\$ 126.32\$ 126.32\$ 126.32\$ 126.32\$ 126.32\$ 126.32\$ 126.32\$ 126.3	\$ - #DIV/01 \$ - #DIV/01 - \$ - #DIV/01 #DIV/01 #DIV/01 #DIV/01 - #DIV/01 - #DIV/01 - - - - - - - - - - - - - - - - - - -		2,041 8,040 2,131 513:70 2,231 513:70 2,2020 65 9 115:14 102 11:863 824	\$ \$ \$ \$	2,221 9,180 - - - - - - - - - - - - - - - - - - -	*#DIV/0 *#DIV/0 * #DIV/0 * #DIV/0 * * * DIV/0 * * * DIV/0 * * * DIV/0 * * * DIV/0 * * * * * * * * * * * * * * * * * * *	\$ #DIV/01 #DIV/01 \$ \$ #DIV/01 \$ 200 5
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EntityName	1	-	2015	•	2016	r	2017		2018		2019	<u>ч.</u> ,	2020		2021	<u>.</u>	2022	Γ	2023
Green 1	Max Capacity(MW)	<b></b>	231		231		231	۰. در ۲	.231		231		231	£	231	10	231	:	231
	Min Capacity(MW)	1	180		180		180		:180		180		180		180	-	180		180
	Generation(GWh)		1,946	- C	1,746		1,910	Server	745		1,906		1:801		1,915	- 0	1,552		1,909
	Annual Cap. Fac.		96.18%	20	86.06%		94.41%	86	24%		94.20%	160	88,74%		94.62%		76.69%	·	94,34%
	Fuel used(GBtu)	1	21,418		19,205		21,017	1	3;197		20,978		19,811		21,073	6 ( )	17.078		21,003
· · · ·	Coal(Tons)	1.0	070,914	1	960,241	1	.050,867		9,856	1,	048,904		990,534	1	,053,632	. 0 . 0	853,9021	1	,050,144
	Heat Rate		11.004	-4-55 (14)	10,998		11.002		1.000		11.005		11.002		11.005	ĨC.,	11.005		11.002
	Fuel cost(\$000)	\$	38,553	ŝ	34.953	: 5	38,672	\$ 3	5,707	\$	39,439	-\$	37,640	5		95	33,302	: \$	41,376
	Fuel Cost per MMBTu	5	1.800	ŝ	1.820	\$	1.840	\$	1.860	\$	1.880	\$	1,900		1.920	5	1.950		1.970
	VOM cost(\$000)	1\$	9,887		9,115			\$17.19	),616		10,789	\$	10,479		11,450	\$	9:528		12,046
	VOM per MWh	15	5.080				5.360		5.510		5.660	÷	5.820	\$	5,980	\$	6,140		6.310
	Num starts(.)		13	1	314	· <u> </u>	13		12		13		15	1	13	288	20		12
	Start Fuel used(GBtu)	1	20	÷	34		23				23 -	15	34	,	25	1	251 48		23
	Start cost(\$000)	5	660	ŝ		5	819		-998	\$			1,288		955	1	1,906	\$	921
	Clast Cast (CODD)	÷۲	000		5 10.15			- C. ( 201	1.250			1.1	3.0.224.00			3.54	Sec. Productory	<u>;</u>	ا التقاد
	Total Operating Cost (\$000)	\$	49 101	÷	45,236		49,730		6'820	ė	51,067	1.4	49:408	\$	52 864	1	44,737	4	54,343
	Op Cost per MWh	15			25:90			31.1.2		\$			27.44				28,83		28.47
	op cose per rana	Ť		7		T			5912 1	Ť				Ť		<u> </u>		T	
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EntityName Green 2	Max Capacity(MW)	Ļ	2015		2010	1	2017 223	and a star Constantion	2018	L	2019 223		- C- 2020		2021 223	210	2022		2023
Green Z	Min Capacity(MW)			- 35	180	}	180	1993	180		180		180		180	-39	180		180
····			180	- 5					1,739		1,526	1	1,775		1,732	他们	1,815	ļ	1,726
	Generation(GWh)	+	1,628	-13	1,810		1.664 85.17%		9.00%		78.14%	1	90.61%		88.64%	3.1	92.92%		88.35%
	Annual Cap. Fac.	+	83.33%	W. (*)	92.39%					·		12.5		·		21			
	Fuel used(GBtu)	·	18,102		20,134		18,506		9,348		16,988	'Aci	19,757	<u> </u>	19,267	100	20,203	;	19,208
	Coal(Tons)	+		- 4	1,006,691		925,281		7411		849,412		987,844	<u>.</u>	963,364	3	010,138	<u> </u>	
	Heat Rate	+	11.121	- 3	11:125		11.123		1:128		11.129	1	11.132	_	11.127	30	11:131	S	11.127
	Fuel cost(\$000)	\$	32,584				34,050		5,988			够	37;538	\$	36,993	-\$	39)395		37,840
	Fuel Cost per MMBTu	\$	1.800				1.840		1,860		1.880	\$	1:900		1.920	36	1,950		1.970
	VOM cost(\$000)	. <u>.</u>	8,269						9,58D		8,640	1	10,329			5	:10)145		10,892
	VOM per MWh	\$	5.080				5.360	and the second	5:510	<u> </u>	5.660	15	5.820		5.980	30. Sol	6.140	<u>\$</u>	6.310
	Num starts(.)	4	13	- 77	·注注: 111	ì	14		212		21	懷	F 12		13	- 11	12	<u>}</u>	15
	Start Fuel used(GBtu)		38	- 33	23	<u> </u>	40	调量	32		64	33	.22		37	$\mathcal{C}_{\mathcal{T}}$	27	2	42
	Start cost(\$000)	5	1,262	15	774	<u>`</u> \$	1,413	55 618	1,149		2,342	25	843	\$	1,425	чę.	221,056	- 5	1,704
				25		K						$\sim c_{c}$	NO DE	17 		-671	影影影		
	Total Operating Cost (\$000)				46:865	\$		::\$					48,711				51,596		50,436
	Op Cost per MWh	\$	25.87	1	25:89	\$	26.68	- <b>S</b> arris	26.87	<u></u>	28.12	\$	27,45	<u>\$</u>	28.17	151	28:43	<u>, s</u>	29.22
·····		+		┿		÷								┢	·····				
			2015	2	(ma78/ <b>201</b> 0		2017	200 CO	2018		2019	20	as <b>(202</b> )	1	2021	1420	2022	t	2023
Total	Max Capacity(MW)	1	1,737	- 55	1,737		1,737	Will's	1,737		1,737	14	1,737		1,737	ie Ca	21,737	Ċ	1,737
	Min Capacity(MW)	1	1,255			<u>.</u>	1,255		1,255		1,255		1,255		1,255	-	1,255		1,255
	Generation(GWh)	1	12,526		12,511	1	12,218	S - 200	2,630		12,244	68	\$12,516		12,599	169	12,559	~	12,582
	Annual Cap. Fac.		82.30%	50	82:63%	6	80.27%		Z:98%		80.45%	2			82.78%	20.	82.52%		82.67%
	Fuel used(GBtu)		137,609	_46	138,387	4.) V	134,481	1	8,774		134,425	10	137,570	8	138,477	15	137,878	14	138,260
	Coal(Tons)	6	229,629	1	6,243,936		5,062,607		3,798	6	,088,015	1	,223;850		5,268,934	6	,233,220		5,268,858
	Heat Rate		10.986		10.974		11.007		0.98B	<u>د</u>	10,979		10.991		10,991	- 233	10.979		10.988
	Fuel cost(\$000)	\$	252,643	-	259,459	\$		\$\$.26			257,725		268,099			\$			277,029
· ·	Fuel Cost per MMBTu	\$	1.836	1					1.900			\$	1,949			\$	:1.983		2.004
	VOM cost(\$000)	\$	44,899						8,802		48,659		50,938			\$	53,919		56,104
	VOM per MWh	\$	3.585					3 <b>\$</b> 73	3)864	\$	3.974	Ś	4:070			-5	4,293		4,459
	Num starts(.)		109		127		123	<u>. 19</u> 80	111		129	1	124		119	<u>.</u>	119		110
				- 1	<ul> <li>Second Second Sec</li></ul>		278	100 11	238		289	· ) 수	256	ç. 👘	246	6.1	259	10 m	246
	Start Fuel used(GBtu)	1	230		.256		210					- ind		à	240	_uiv :		1	
		\$	230 6,658		7,567			-4r		\$	9,431	- 01	Carlo Calvera est			- ur 2 <b>5</b>	9,101		
	Start Fuel used(GBtu)	\$						- AF A VEL		\$		-93 				- 114 7 <b>5</b> 285			
	Start Fuel used(GBtu)					\$	8,640 312,035	4.454	7,389 9,865	ş	9,431 315,816	i S	8,530	\$	8,282	34 4	9,101	\$	

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annual output - 12-15-07.xis.xls Production Report

#### Fuel Report annual output - 12-15-07.xis.xis

EntityName D B Wilson 1			00001	0010	5044	00101	0010	
		2008		2010		2012	2013	
D D MIISOII 1		3,078	2,967	3,331		3,297	2,949	3,310
	Fuel used(G8tu)	34,196	32,943	37,077	34,632	36,191	31,803	35,707
	Coal(Tons)	1,486,778		1,612,064	1,505,741	1,573,503	1,382,755	1,552,458
· · · · · · · · · · · · · · · · · · ·	Heat Rate	211.111	11.104	11.132	11.139	10.977	10.783	10.787
	Fuel cost(\$000)	\$_53,346		\$ 47,682	\$ 44,606	\$ 54,905		\$ 63,558
	Fuel Cost per MMBTu	\$ 1.560	\$ 1.256	\$1.286	\$ 1.288	\$1.517	\$ 1.770	\$ 1.780
		1						
			, i		<i>.</i>			
EntityName	1	100000002008	2009	30366 F2010	2011	2012	2013	1
	Cara and the (Churle)	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se		1,203.	1,038		1,142	1,213
IMPL 1	Generation(GWh)	1,210				1,214		
	Fuel used(GBtu)	13,055	12,154	13,029	11,237	13,145	12,366	13,135
	Coal(Tons)	567,623	528,416	566,467	488,558	571;542	537,640	571,073
	Heat Rate	10,794	10.826	10.826	10.829	10.830	10,827	
	Fuel cost(\$000)	\$ 20,627	\$ 19,203	\$ 22,605	\$ 19,530	\$ 22,899		\$ 23/248
-	Fuel Cost per MMBTu	(\$ 1.580)	\$ 1.580	\$1.735	\$ 1.738	\$ 1.742	\$ 1.760	\$ 1.770
	•	1						}
ntityName	1	2008	2009	2010	2011	2012	2013	201
	Cancerthe - (Cille)					1,058		
IMPL 2	Generation(GWh)	1,133		1,175	1,256			1,180
	Fuel used(GBtu)	12,239	13,717	12,733	13,612	11,466	13,578	12,79
	Coal(Tons)	532,045	596,388	553,629	591,814	498,514	590,358	556,38
	Heat Rate	10.807	10.839	10.839	10.841	10,842	10.841	10.84
	Fuel cost(\$000)	(\$ 19,338)	\$ 21,673	\$ 22,093	\$ 23,657	\$ 19,973	\$ 23,898	\$ 22,650
	Fuel Cost per MMBTu	\$ 1.580	\$ 1.580	\$ 1,735		\$ 1742		\$ 1.770
	1	1						
	···							
ntityName		04350282008	2000	2010	2011	2012	2013	9.00201
Coleman 1	Generation(GWh)	1;025 (10;988)	1,180	1,179		1,185	1,171	1,13
	Fuel used(GBtu)		12,730	12,713	12,145	12,808	12,641	12,25
	Coal(Tons)	477,745	553,497	552,724	528,025	556,854	549,607	532,61
	Heat Rate	10.724	10.786	10.786	10,792	10.795		10.79
	Fuel cost(\$000)	\$ 18,889		\$ 23,264	\$ 22,310	\$ 23,604		\$ 23,03
	Fuel Cost, per MMBTu	\$ 1.719	\$ 1.797	\$ 1:830	\$ 1.837	\$ 1.843		\$ 1,88
	Puer Cost per Minis to	50000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 E	<u>, 2 </u>	197.11.2.0000	φ <u><u></u>,,,,,,,,</u>		1 1.000	.φ/ Παιου
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	L							
ntityName	<u> </u>	See 2008	2009			nteria: 12012	2013	
Coleman 2	Generation(GWh)	(1) <b>(1,088</b> )	1,092	1,010	1,032	25. <b>1,002</b> (	977	<u>8</u> 97
	Fuel used(GBtu)	13,044	13,138	12,161	12,429	12:087	11,787	11.73
	Coal(Tons)	567,147	571,203	528,734	540,374	AS 525:513	512,497	510.04
	Heat Rate	11,986	12.035	12.039	12.039	12:065		12.05
						\$ 22,276		
	Fuel cost(\$000)	\$ 22,423			\$ 22,831	\$ 1.843		\$ 22,05
	Fuel Cost per MMBTu	\$1.719	\$ 1,797	\$ 1.83D	\$ 1.837	1.2010120420	\$ 1.860	\$ 1.88
				Į				
							<u> </u>	
EntityName		start/@92008	2009		2011	NATIONAL 2012		
Coleman 3	Generation(GWh)		1,133	1,207	1,214	1,001	1,220	1,20
	Fuel used(GBtu)	16,286	12,261	13,052	13,146	10,840	13,210	13,02
			533,095	567,914	571,572	471,316		566,21
	(Coal(Tops)	577.639			v: _/v			10.82
	Coal(Tons)	577,639		Of etc. eps;	10 272		10.929	
	Heat Rate	10.776	10.823	10.823	10.828	10.827	10.829	
	Heat Rate Fuel cost(\$000)	10.776 \$\_22;838	10.823 \$ 22,033	\$ 23,904	\$ 24,149	\$ 19,979	\$ 24,571	\$ .24,48
	Heat Rate	10.776	10.823 \$ 22,033		\$ 24,149		\$ 24,571	\$ .24,48
· · · · · · · · · · · · · · · · · · ·	Heat Rate Fuel cost(\$000)	10.776 \$\_22;838	10.823 \$ 22,033	\$ 23,904	\$ 24,149	\$ 19,979	\$ 24,571	\$ .24,48
	Heat Rate Fuel cost(\$000)	10.776 \$ 22;838 \$ 4.719	10.823 \$ 22,033 \$ 1.797	\$ 23,904 \$ 1.830	\$ 24,149 \$ 1.837	\$ 19,979 \$ 1.843	\$ 24,571 \$ 1.860	\$ 24,48 \$ 1.88
intityName	Heat Rate Fuel cost(\$000)	\$0.776 \$22,838 \$1.719	10.823 \$ 22,033 \$ 1.797	\$ 23,904 \$ 1.830	\$ 24,149 \$ 1.837	\$ 19,979	\$ 24,571 \$ 1.860	\$ .24,48 \$ 1.88
	Heat Rate Fuel cost(\$000)	\$0.776 \$22,838 \$1.719	10.823 \$ 22,033 \$ 1.797	\$ 23,904 \$ 1.830	\$ 24,149 \$ 1.837 	\$ 19,979 \$ 1.843	\$ 24,571 \$ 1.860	\$ 24,48 \$ 1.88
	Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu Generation(GWh)	10.776 \$ 22;838 \$ 1,719 	10.823 \$ 22,033 \$ 1.797	\$ 23,904 \$ 1.830	\$ 24,149 \$ 1.837 2011 68	\$ 19,979 \$ 1.843	\$ 24,571 \$ 1.860 2013	\$ 24,48 \$ 1.88
	Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu Generation(GWh) Fuel used(GBtu)	10.776 \$ 22,838 \$ 1.719 2008 (94) (1,268	10.823 \$ 22,033 \$ 1.797 2009 222 304	\$ 23,904 \$ 1,830 	\$ 24,149 \$ 1.837 2011 68 925	\$ 19,979 \$ 1.843	\$ 24,571 \$ 1.860 2013 18 246	\$ 24,48 \$ 1.88
	Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu Generation(GWh) Fuel used(GBtu) Coal(Tons)	10.776 \$, 22,838 \$, 1.719 \$ 2008 4, 944 4, 2268 54,595	10.823 \$ 22,033 \$ 1.797 2009 222 304 / 14	\$ 23,904 \$ 1,830 	\$ 24,149 \$ 1.837 2011 68 925	\$ 19,979 \$ 1,843	\$ 24,571 \$ 1.860 2013 18 246	\$ 24,48 \$ 1.88 20 20 31
	Heat Rate Fuel cost(\$100) Fuel Cost per MMBTu Generation(GWh) Fuel used(GBtu) Coal(Tons) Heat Rate	10.776 \$, 22;838 \$, 4,719 2008 94 94 94 94 95;555 13:485	10.823 \$ 22,033 \$ 1.797 2009 22 304 14 13.557	\$ 23,904 \$ 1.830 	\$ 24,149 \$ 1.837 2011 68 925 13,555	\$ 19,979 \$ 1.843 2012 #DIV/01	\$ 24,571 \$ 1.860 2013 18 246 	\$ 24,48 \$ 1.88 20 20 31 13.54
	Heat Rate Fuel cost (\$000) Fuel Cost per MMBTu Generation(GWh) Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost (\$000)	10.776 \$, 22,838 \$, 1.719 \$, 2008 94 1,268 54,595 13,485 \$,595 13,485 \$,255	10.823 \$ 22,033 \$ 1.797 2009 222 304 14 13.557 \$ 2.542	\$ 23,904 \$ 1.830 	\$ 24,149 \$ 1.837 2011 68 925 13.555 \$ 7,516	\$ 19;979 \$ 1:843 2012 #DIV/01 \$	\$ 24,571 \$ 1.860 2013 18 246 13.561 \$ 2,083	\$ 24,48 \$ 1.88 20 20 31 13.54 \$ 2,25
	Heat Rate Fuel cost(\$100) Fuel Cost per MMBTu Generation(GWh) Fuel used(GBtu) Coal(Tons) Heat Rate	10.776 \$, 22;838 \$, 4,719 2008 94 94 94 94 95;555 13:485	10.823 \$ 22,033 \$ 1.797 2009 222 304 14 13.557 \$ 2.542	\$ 23,904 \$ 1.830 	\$ 24,149 \$ 1.837 2011 68 925 13.555 \$ 7,516	\$ 19,979 \$ 1.843 2012 #DIV/01	\$ 24,571 \$ 1.860 2013 18 246 13.561 \$ 2,083	\$ 24,48 \$ 1.88 20 20 31 13.54 \$ 2,25
	Heat Rate Fuel cost (\$000) Fuel Cost per MMBTu Generation(GWh) Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost (\$000)	10.776 \$, 22,838 \$, 1.719 \$, 2008 94 1,268 54,595 13,485 \$,595 13,485 \$,255	10.823 \$ 22,033 \$ 1.797 2009 222 304 14 13.557 \$ 2.542	\$ 23,904 \$ 1.830 	\$ 24,149 \$ 1.837 2011 68 925 13.555 \$ 7,516	\$ 19;979 \$ 1:843 2012 #DIV/01 \$	\$ 24,571 \$ 1.860 2013 18 246 13.561 \$ 2,083	\$ 24,48 \$ 1.88 20 20 31 13.54 \$ 2,25
	Heat Rate Fuel cost (\$000) Fuel Cost per MMBTu Generation(GWh) Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost (\$000)	10.776 \$, 22,838 \$, 1.719 \$, 2008 94 1,268 54,595 13,485 \$,595 13,485 \$,255	10.823 \$ 22,033 \$ 1.797 2009 222 304 14 13.557 \$ 2.542	\$ 23,904 \$ 1.830 	\$ 24,149 \$ 1.837 2011 68 925 13.555 \$ 7,516	\$ 19;979 \$ 1:843 2012 #DIV/01 \$	\$ 24,571 \$ 1.860 2013 1.8 2013 1.8 246 - 1.3.561 \$ 2,083 \$ 8,460	\$ 24/48 \$ 1.88 20 20 31 13.54 \$ 2,21 \$ 7,25
Reid ST	Heat Rate Fuel cost (\$000) Fuel Cost per MMBTu Generation(GWh) Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost (\$000)	10.776 \$ 22;838 \$ 4.719 2008 	10.823 \$ 22,033 \$ 1.797 2009 222 304 14 13.557 \$ 2,542 \$ 8,371	\$ 23,904 \$ 1,830 	\$ 24,149 \$ 1.837 2011 68 925 13.555 \$ 7,516 \$ 8.127 2011 2011	\$ 19/979 \$ 1\843 2012 #DIV/01 \$ #DIV/01 2012	\$ 24,571 \$ 1.860 2013 18 2465 - 13.561 \$ 2,083 \$ 8,460 - 2013	\$ 24,48 \$ 1.88 20 2 31 13.54 \$ 2,25 \$ 7.25
keid ST	Heat Rate Fuel cost (\$000) Fuel Cost per MMBTu Generation(GWh) Fuel used(GBtu) Ccal(Tons) Heat Rate Fuel cost (\$000) Fuel Cost per MMBTu	10.776 \$ 22;838 \$ 4.719 2008 	10.823 \$ 22,033 \$ 1.797 2009 222 304 14 13.557 \$ 2,542 \$ 8,371	\$ 23,904 \$ 1,830 	\$ 24,149 \$ 1.837 2011 68 925 13.555 \$ 7,516 \$ 8.127 2011 2011	\$ 19/979 \$ 1\843 2012 #DIV/01 \$ #DIV/01 2012	\$ 24,571 \$ 1.860 2013 18 2465 - 13.561 \$ 2,083 \$ 8,460 - 2013	\$ 24,48 \$ 1.88 20 2 31 13.54 \$ 2,25 \$ 7.25
teid ST	Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu Generation(GWh) Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu Generation(GWh)	10.776 \$, 22;838 \$, 3,719 2008 94 3,268 54;555 13:485 \$, 22;550 \$, 22;550 \$, 2011 2,2008 13:485 \$, 22;550 \$, 2011 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,2008 2,200	10.823 \$ 22,033 \$ 1.797 2009 202 304 14 13.557 \$ 2,542 \$ 8.371 \$ 2005 3 3 40	\$ 23,904 \$ 1830 	\$ 24,149 \$ 1.837 2011 68 925 13.555 \$ 7,516 \$ 8.127 2011 2011	\$ 19/979 \$ 1\843 2012 #DIV/01 \$ #DIV/01 2012	\$ 24,571 \$ 1.860 2013 18 2465 - 13.561 \$ 2,083 \$ 8,460 - 2013	\$ 24,48 \$ 1.88 20 23 13.54 \$ 2.25 \$ 7.25 \$ 20 \$ 20 \$ 20 \$ 20 \$ 20 \$ 20 \$ 20 \$ 20
teid ST	Heat Rate Fuel cost(\$000) Fuel Cost (\$000) Generation(GWh) Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel cost(\$000) Generation(GWh) Fuel used(GBtu)	10.776 \$. 22;838 \$. 1.719 2008 2009 2009 2009 2009 2009 2009 200	10.823 \$ 22,033 \$ 1.797 2009 22 304 14 13.557 \$ 2,542 \$ 8.371 \$ 2009 3 2009 3 40	\$ 23,904 \$ 1.830 3.46 13.493 \$ 365 \$ 7.920 2.2010 4.45	\$ 24,149 \$ 1.837 2011 68 925 13.555 \$ 7,516 \$ 8.127 2011 2011	\$ 19/979 \$ 1\843 2012 #DIV/01 \$ #DIV/01 \$ 2012 8	\$ 24,571 \$ 1.860 2013 18 2465 - 13.561 \$ 2,083 \$ 8,460 - 2013	\$ 24,48 \$ 1.88 20 23 13.54 \$ 2.25 \$ 7.25 \$ 20 \$ 20 \$ 20 \$ 20 \$ 20 \$ 20 \$ 20 \$ 20
teid ST	Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu Generation(GWh) Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu Generation(GWh) Fuel used(GBtu) Coal(Tons)	10.776 \$. 22;838 \$. 1.719 2008 2009 2009 2009 2009 2009 2009 200	10.823 \$ 22,033 \$ 1.797 2009 22 304 14 13.557 \$ 2,542 \$ 8.371 \$ 2009 3 2009 3 40	\$ 23,904 \$ 1830 3 46 13,493 \$ 365 \$ 7,920 2010 4 4 45	\$ 24,149 \$ 1.837 2011 68 925 13.555 \$ 7,516 \$ 8.127 2011 2011 6 71	\$ 19/979 \$ 11843 2012 #DIV/01 \$ #DIV/01 \$ 2012 8 96	\$ 24,571 \$ 1.860 2013 18 2013 18 24,5 - 13,551 \$ 2,083 \$ 8,460 2013 7 88 - -	\$ 24,48 \$ 1.69 20 23 31 4 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$ 2,21 \$
eid ST	Heat Rate Fuel cost (\$000) Fuel Cost per MMBTu Generation(GWh) Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost (\$000) Fuel Cost per MMBTu Generation(GWh) Fuel used(GBtu) Coal(Tons) Heat Rate	10.776 \$ 22,838 \$ 1.719 2008 2008 4 22,838 5 2008 5 2008 5 2008 5 2008 5 2001 1 2008 2 200 2 2008 2 2001 2 2008 2 2 2008 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	10.823 \$ 22,033 \$ 1.797 2009 22 304 14 13.557 \$ 2,542 \$ 8.371 2005 3 40 	\$ 23,904 \$ 1.830 3 2010 3 46 13.493 \$ 365 \$ 7.920 2010 4 45 12.059	\$ 24,149 \$ 1.837 2011 68 925 13.555 \$ 7,516 \$ 8.127 2011 	\$ 19/979 \$ 11843 2012 #DIV/01 \$ #DIV/01 \$ 2012 8 96 11.764	\$ 24,571 \$ 1.860 2013 1.860 2013 1.860 2013 \$ 2,083 \$ 8,460 2013 7 8 8 - - - - - - - - - - - - -	\$ 24,48 \$ 1,88 220 23 31 4 7.22 4 7.22 11.55 \$ 2,21 4 7.22 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.15 11.
teid ST	Heat Rate Fuel cost(\$000) Fuel Cost (\$000) Generation(GWh) Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu Generation(GWh) Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Rate Fuel Cost (\$000) Fuel Rate Fuel Cost (\$000) Fuel Rate Fuel Cost(\$000) Fuel Rate Fuel Rate Fuel Cost(\$000) Fuel Rate Fuel Cost(\$000) Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate	10.776 \$.22;838 \$.1.719 2008 2008 2008 2008 2008 2008 2008 2008 2008 2208 \$.2550 \$.2550 2.2011 1.22887 2.4 1.2287 \$.1287 \$.1287 \$.1287 \$.1287 \$.1287 \$.1287 \$.1287 \$.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.	10.823 \$ 22,033 \$ 1.797 2009 22 304 14 13.557 \$ 2,542 \$ 8.371 2009 3 40 2009 3 40 2009 5 3 2,542 \$ 2,042 14 13.557 \$ 2,042 14 14 13.557 \$ 2,042 14 14 13.557 \$ 2,042 14 14 14 14 14 14 14 14 14 14 14 14 14	\$ 23,904 \$ 1.830 3.46 13.493 \$ 365 \$ 7.920 - 2010 4.45 12.059 \$ 363	\$ 24,149 \$ 1.837 2011 68 925 13.555 \$ 7,516 \$ 8.127 2011 	\$ 19/979 \$ 11843 2012 #DIV/01 \$ #DIV/01 \$ 2012 8 96 11.764	\$ 24,571 \$ 1.860 2013 1.860 2013 1.860 2013 \$ 2,083 \$ 8,460 2013 7 8 8 - - - - - - - - - - - - -	\$ 24,48 \$ 1,86 20 2 31 13.55 \$ 2,21 \$ 7,21
keid ST	Heat Rate Fuel cost (\$000) Fuel Cost per MMBTu Generation(GWh) Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost (\$000) Fuel Cost per MMBTu Generation(GWh) Fuel used(GBtu) Coal(Tons) Heat Rate	10.776 \$ 22,838 \$ 1.719 2008 2008 4 22,838 5 2008 5 2008 5 2008 5 2008 5 2001 1 2008 2 200 2 2008 2 2001 2 2008 2 2 2008 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	10.823 \$ 22,033 \$ 1.797 2009 22 304 14 13.557 \$ 2,542 \$ 8.371 2009 3 40 2009 3 40 2009 5 3 2,542 \$ 2,042 14 13.557 \$ 2,042 14 14 13.557 \$ 2,042 14 14 13.557 \$ 2,042 14 14 14 14 14 14 14 14 14 14 14 14 14	\$ 23,904 \$ 1.830 	\$ 24,149 \$ 1.837 2011 68 925 13.555 \$ 7,516 \$ 8.127 2011 	\$ 19/979 \$ 11843 2012 #DIV/01 \$ #DIV/01 \$ 2012 8 96	\$ 24,571 \$ 1.860 2013 1.860 2013 1.860 2013 \$ 2,083 \$ 8,460 2013 7 8 8 - - - - - - - - - - - - -	\$ 24,48 \$ 3,88 220 2 33,54 \$ 2,25 \$ 7,25 1 2 1 1 1 1 1 2 2 3 3 3 5 4 7,25 1 2 3 3 5 4 7,25 1 2 2 3 3 3 5 4 7,25 4 7,25 4 7,25 4 7,25 4 7,25 4 7,25 4 7,25 4 7,25 4 7,25 4 7,25 4 7,25 4 7,25 4 7,25 4 7,25 4 7,25 4 7,25 4 7,25 4 7,25 4 7,25 4 7,25 4 7,25 4 7,25 7 1 1 1 1 1 1 1 1 1 1 1 1 1
keid ST	Heat Rate Fuel cost(\$000) Fuel Cost (\$000) Generation(GWh) Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Cost per MMBTu Generation(GWh) Fuel used(GBtu) Coal(Tons) Heat Rate Fuel cost(\$000) Fuel Rate Fuel Cost (\$000) Fuel Rate Fuel Cost (\$000) Fuel Rate Fuel Cost(\$000) Fuel Rate Fuel Rate Fuel Cost(\$000) Fuel Rate Fuel Cost(\$000) Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate Fuel Rate	10.776 \$.22;838 \$.1.719 2008 2008 2008 2008 2008 2008 2008 2008 2008 2208 \$.2550 \$.2550 2.2011 1.22887 2.4 1.2287 \$.1287 \$.1287 \$.1287 \$.1287 \$.1287 \$.1287 \$.1287 \$.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.199 1.	10.823 \$ 22,033 \$ 1.797 2009 22 304 14 13.557 \$ 2,542 \$ 8.371 2009 3 40 2009 3 40 2009 5 3 2,542 \$ 2,042 14 13.557 \$ 2,042 14 14 13.557 \$ 2,042 14 14 13.557 \$ 2,042 14 14 14 14 14 14 14 14 14 14 14 14 14	\$ 23,904 \$ 1.830 3.46 13.493 \$ 365 \$ 7.920 - 2010 4.45 12.059 \$ 363	\$ 24,149 \$ 1.837 2011 68 925 13.555 \$ 7,516 \$ 8.127 2011 	\$ 19/979 \$ 11843 2012 #DIV/01 \$ #DIV/01 \$ 2012 8 96 11.764	\$ 24,571 \$ 1.860 2013 1.860 2013 1.860 2013 \$ 2,083 \$ 8,460 2013 7 8 8 - - - - - - - - - - - - -	\$ 24,48 \$ 1,86 20 2 31 13.55 \$ 2,21 \$ 7,21
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#### Fuel Report annual output - 12-15-07.xls.xls

EntityName	T	2008	2009	. 2010	2011	2012		2014
Green 2	Generation(GWh)	Sec. 3. 1/801	1,699	1,835	1,493	1,799		1,855
	Fuel used(G8tu)	20,376	19,219	20,412	16,623	20,021		20,630
	Coal(Tons)	1,018,807		1,020,600		1,001,044		1,031,483
	Heat Rate	11.312	11.313	11.124		11:126		11.124
	Fuel cost(\$000)	\$ 23,510	\$ 25,696	\$ 35,558		\$ 35,037		\$ 36,721
	Fuel Cost per MMBTu	\$ 1.144	\$ 1.337	\$ 1.742	\$ 1.750	stat.750	\$ 1.760	\$\$ 1.780
				,				1
		2008	2009	2010	2011	\$ <b>~.2012</b>		A+(4+2** 2014
Total	Generation(GWh)		12,431	12,726	12,253	12,373		- <u> </u>
	Fuel used(GBtu)	139,155	138,288	140,838	135,843	136,531	135,205	137,685
	Coal(Tons)	6.316.380	6,264,968	6,380,079	6,108,432	6,192,167	6,121,438	6,220,128
	Heat Rate	11:123	11.124	11.067		11:035		
	Fuel cost(\$000)	\$ 207,173	\$ 208,460	\$ 232,159	\$ 231,033	\$ 234,177		
	Fuel Cost per MMBTu	\$ 1.489		\$ 1.648	\$ 1.701	\$ 1715	\$ 1.806	4:822

#### Fuel Report annual output - 12-15-07.xls.xls

				00171	- 2010	2010	2020	2021	2022	2023
EntityName		2015	2016		2018		3,369	3,216	3,371	3,191
D B Wilson 1		3,196	3,380	2,904	3,380	3,201	36,345	34,680	36,369	34,410
	Fuel used(GBtu)	34,462	36,462	31,331		34,522		1,507,807	1,581,258	1,496,093
	Coal(Tons)		1,585,323	1,362,214	1,584,903		1,580,228		1,561,258	10.783
	Heat Rate	10.782	10.787	10.789	10.785	10.783	10,787	10.783		
	Fuel cost(\$000)	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second	\$ 66,726		\$ 67,802	\$ 65,247			\$ 70,919	\$ 67,788 \$ 1.970
	Fuel Cost per MMBTu	\$ 1.800	\$ 1.830	\$ 1.840	\$ 1.860	\$ 1.890	\$ 1.910	\$ 1.930	\$ 1.950	\$ 1.970
		1								
The second							1			
EntityName		2015	2016	2017	2018	2019	2020	2021	*************	. 2023
HMPL 1	Generation(GWh)	1,122	1,197	1,119	1,226	1,051	1,116	1,160	1,224	1,122
HPIT In the	Fuel used(GBtu)	12,154	12,965	12,121	13,280	11,385	12,083	12,561	13,259	12,150
	Coal(Tons)	528,451	563,708	526,978	577,413	494,991	525,352	546,119	576,469	528,280
		10.829	10.830	10.830	10.829	10,830	10:827	10.829	10,832	10.828
	Heat Rate		\$ 23,467		\$ 24,569		en en angele et stere		\$-25,722	\$ 23,815
	Fuel cost(\$000)	\$ 21,756	\$ 1.810		\$ 1.850		\$ 1.900	\$ 1.910	\$ 1.940	\$ 1.960
	Fuel Cost per MMBTU	\$ 1.790	(\$1);-1,1010			÷ 1000		2		
								2024		2022
EntityName		2015	4 os 2016	the second second second second second second second second second second second second second second second s	a i i i i i i i i i i i i i i i i i i i		2020		∿ <i>⊴.,≾</i> ⊮2022	2023
HMPL 2	Generation(GWh)	1,261	1,173	1,246	1,149	1,222	1,047	1,254	<b>1,290</b> .	
	Fuel used(GBtu)	13,672	12,718	13,504	12,460	13,251	11,352	13,590	12,903	13,272
,	Coal(Tons)	594,438	552,977	587,112	541,755	576,110	493,562	590,873	561,020	577,058
	Heat Rate	10.844	10.840	10.842	10.841	10.839	10.840	10.841	10.841	10.843
	Fuel cost(\$000)	\$ 24,473	\$ 23,020		\$ 23,052	\$ 24,911	\$ 21,569	\$ 25,957	\$ 25,033	\$ 26,014
	Fuel Cost per MMBTu	\$ 1.790	\$ 1.810		\$ 1.850		\$ 1.900	\$ 1.910	\$ 1:940	\$ 1,960
		1					1		1	
	<u> </u>			ļ (					1	1
		1 201	×	2017	a	2019	and 2020	2021	2022 1920-1920 1920-1920	2023
EntityName	L	2015			·		1,132	1,194	4 193	
Coleman 1	Generation(GWh)	1,200	1,194	1,019	1,173	1,192			12,876	11,987
	Fuel used(GBtu)	12,954	12,885	10,991	12,664	12,867	12,215	12,890		521,162
	Coal(Tons)	563,227	560,225	477,869	550,594	559,433	531;073	560,456	559,834	
	Heat Rate	10.792	10,793	10.791	10,792	10.793	10.793	10.793	10.792	10.790
e <sup>21</sup>	Fuel cost(\$000)	\$ 24,613	\$ 24,740		\$ 24,947	\$ 25,605	\$ 24,551	\$ 26,168	\$ 26,525	
	Fuel Cost per MMBTu	\$ 1.900	\$ 1.920	\$ 1.940	\$ 1.970	\$ 1.990	\$ 2,010	\$ 2.030	\$ 2.060	\$ 2.080
	1									
	1			1					<u> </u>	
EntityName	1	2015	2016 (2016	2017	Sec. 2018	2019	vi − 2020	2021	2022	
Coleman 2	Generation(GWh)	1,055	<b>855</b>	1,078	1,073	971	- <b>1,048</b>	1,061	984	s 1,077
COLCHINGIN &	Fuel used(GBtu)	12,712	10,315	12,996	12/949	11,721	12,649	12,798	11,874	12,991
·····		552,681	448/467	565,037	563,013	509,607	549;971	556,417	515,252	564,805
	Coai(Tons)	12.054	12:058	12.053	12.064	12.075	12.070	12.064	12 065	12.065
	Heat Rate			· · · · · · · · · · · · · · · · · · ·	\$ 25,510		\$ 25,425	\$ 25,979		
	Fuel cost(\$000)	\$ 24,152	\$19,804 \$1,920	\$ 25,212 \$ 1.940	\$ 1.970		\$ 2,010			\$ 2.080
L	Fuel Cost per MMBTu	\$ 1.900	-1#(* 1)/21/2/D	- a 1.940	2.9 %-3 ***********************************	4 1.220		7 4.030	1	1
	<u> </u>		<u> </u>	<u> </u>		+	<u> </u>			+
						3010	1121010 0000	2021	1 2022	2 2023
EntityName	1	2015			2016		2020			
Coleman 3	Generation(GWh)	1,097	1,203	1,205	a <b>. 1,124</b>	1,166	1,201	1,041	1,220	
	Fuel used(GBtu)	11,879	13,025	13,047	12,164		15:002	11,276		
[	Coal(Tons)	516,467	566,303	567,248	.528,854	548,602	565,287	490,266		
· ·	Heat Rate	10.826	10.825	10.826	10.826	10.826	10.825	10.829	10.827	10.827
	Fuel cost(\$000)	\$ 22,570	\$ 25,008	\$ 25,311	\$ 23,962		\$ 26,133	\$ 22,891		
	Fuel Cost per MMBTu	\$ 1.900	\$ 1/920	\$ 1.940	\$ 1.970	\$ 1.990	\$ 2:010	\$ 2.03D	\$ 2.060	\$ 2.080
			1							
·····	1		1				1		1	1
EntityName	i	2015	201	2017	· · · · · · · · · · · · · · · · · · ·	3 2019	2020	202:	1 (A.S. 502)	2 2023
	Congration/(CM/h)	12	S. 42		33660 TEA 11		Similar (19	18	Tracklast.	A
Reid ST	Generation(GWh) Fuel used(GBtu)	159	573	. tone of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se	154		254	242		A
		159			- Many terror	š -	· 教育部である		-42.000	* -
<b> </b>	Coal(Tons)	13.557	13,557	13,548	13 563	#D1V/01	13:548	13.559	#DIV/0	#DIV/0!
<b>_</b>	Heat Rate		\$ 4,340		\$ 1,350		\$ 2,041	\$ 2.221	\$1 (a)	
	Fuel cost(\$000)		\$ 7.569	4 0,930	\$ 1.550	#DIV/0!	\$ 8.040	\$ 9180	#DIV/01	#DIV/01
L	Fuel Cost per MMBTu	\$ 7.620	- apro100.005	a 0.437	1,0000000000000000000000000000000000000	1 #D14/01		1 2.1.00		1
L	1									+
·	1					1	10 cu - 10000	200	1	2 2023
EntityName			5 saata (201		7 201		2020		and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se	
Reid GT	Generation(GWh)	8							) :::::::::::::::::::::::::::::::::::::	
[	Fuel used(GBtu)	97	104	134	104		102		107	108
1	Coai(Tons)	-	的限制。	×			- 影响 影响	-		<u>,</u>
:	Heat Rate	11.728					11.883	11.621		
l	Fuel cost(\$000)	\$ 697	\$ 757						\$ 897	
	Fuel Cost per MMBTu		\$ 7.28			\$ 7.745	\$ 8.046	\$ 8.282	2 3 38.422	2:\$ 8.637
	1	1	1	1	T	1	1		1	1
	-1		1	1	1	1	1	1		
Cotthetter		201	5	6 201	7	8 2019	ant 154 ( <b>2020</b>	202	1 202	Z 202
EntityName	Constant (Street Street				and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se		1,801	1,915		the second second second second second second second second second second second second second second second s
Green 1	Generation(GWh)	1,946	1,74							
<b></b>	Fuel used(GBtu)	21,418								
<u> </u>	Coal(Tons)	1,070,914			Contraction of the second			11.005		
	Heat Rate	11.004								
		1 4 30 005	\$ 34.95	s \$ 38,672	\$ 35,707	\$ 39,439				
	Fuel cost(\$000)	\$ 38,553							n, saa rikija sener	5 e 1074
	Fuel cost(\$000) Fuel Cost per MMBTu	\$ 36,555			\$ 1.860		\$	\$ 1.920	) \$ 1.950	0 \$ 1.970
					) ි\$ੈ∴1:860		`\$ের:900 	\$ 1.920	) ≊\$©11.950	) \$ 1.970

Page 3

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#### Fuel Report annual output - 12-15-07.xis.xls

EntityName	T	2015	2016	2017	2018	2019	2020	2021	2022	2023
Green 2	Generation(GWh)	1.628	1.810	1,664	1,739	1,526	3 1,775	1,732	1,815.	1,726
UICOIT 2	Fuel used(G8tu)	18,102	20,134	18,506	19,348	16,988	19,757	19,267	20,203	19,208
	Coal(Tons)	905,120	1,005,691	925,281	967,411	849,412	987,844	963,364	1,010,198	960,403
	Heat Rate	11.121	11.125	11.123	11.12B	11.129	11,132	11.127	41,131	11.127
	Fuel cost(\$000)	\$ 32,584	\$ 36,644	\$ 34,050	\$ 35,988		\$ 37,538		\$ 39,395	\$ 37,840
	Fuel Cost per MMBTu	\$ 1.800	\$ 1.820	\$ 1,840	\$ 1,850	\$ 1.880	\$ 1.900	\$ 1.920	\$ 1.950	\$ 1.970
										~
		2015	are (1446 <b>2016</b>	2017	9:00 - 2018	2019	2020	2021	Active 12022	2023
Total	Generation(GWh)	12,526	12,611	12,218	12,630	12,244	12,516		12,559	12,582
	Fuel used(GBtu)	137,609	138,387	134,481	138,774	134,426	137,570	138,477	137,878	138,260
	Coal(Tons)	6,229,629	6;243,936	6,062,607	6,273,798	6,088,015	6,223,850	6,268,934	6,233,220	6,268,858
	Heat Rate		10.974	11.007	10.988	10.979	10.991	- 10.991	10,979	10.988
	Fuel cost(\$000)	\$ 252,643	\$ 259,459	\$ 257,038	\$ 263,675		\$ .268,099		\$ 273,465	
	Fuel Cost per MMBTu	\$ 1.836	\$ 1.875	\$ 1.911	\$ 1.900	\$ 1.917	\$\$\$ 11949	\$ 1.967	<b>\$\$\$\$</b> \$1.983	\$ 2.004

Eable Alance		-2008	2009	2010	2011	2012	2013	2014
EntityName D B Wilson 1	SO2(ktons)	10.003	9.637	10.846	10.131	10.585		10,445
D D WISON L	SO2 Emit Rate	0.585	0.585	0.585	0.585	0.585	0.585	0.585
	SO2 cost(\$000)				*****	\$ 8,384		
	NOx(ktons)	0.382	0.983	1,120	0.994	1.045	0.915	1.030
	NOx Emit Rate	A States	0.060	0.060	0.057	0.058	0.058	0.058
	NOx cost(\$000)	\$ 292	\$ 2,799	\$ 2,697	\$ 2,142	\$ 2,074	\$ 1,738	\$ 1,965
			7					a state and the second
	Total Emissions Cost (\$000)	\$ 8,074	\$ 11,019	\$ 12,253	\$ 10,429	\$10,459		\$ 10,185
	Emit Cost per MWh	\$ 2.62	\$ 3.71	\$ 3.68	\$ 3.35	\$ 3.17	\$ 2.95	\$ 3.08
	·	· · · ·						
·								
EntityName		2008 A 2008	2009	2010	2011	Sec. 2012	2013	2014
HMPL 1	SO2(ktons)	2.154	2.005	2/150	1.854	2:169	2.041	2:167
	SO2 Emit Rate	( <b>0.330</b> )	0.330	.0.33D	0.330	0,530	0.330	0.330
	502 cost(\$000)	\$ 3,676		\$1,894		\$ 1,718		\$ 1,706
	NOx(ktons)	0.200	0.505	0,546	0.471	0.550	0.518	0.549
·	NOx Emit Rate		0.083	0.084 \$ 1,316	0.084	0,084 \$ 1,092	0.084 \$ 984	\$ 1,049
	NOx cost(\$000)	\$ 153	\$ 1,430	\$ 1,316	\$ 1,014	APRIL AND ALS	\$ 904	101 - 1010-101-10-10-10-10-10-10-10-10-10-10-1
		AND AND A	A 2147	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	A 3 531	CALC DIG 10	\$ 2,508	\$ 2,755
	Total Emissions Cost (\$000)			\$ 3,210 \$ 12.67				\$ 2,755
	Emit Cost per MWh	(\$1.51)	\$ 2.80	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	\$ 2.44	ss: 2,31	\$ 2.20	999779998 <b>432</b> 73
			******	<u>↓</u>				
Cable diame		10x722	2009	2010	2011	2012	2013	Ge#/4 <b>2014</b>
EntityName	202/(H	2008		<u> </u>				2014
HMPL 2	SO2(ktons)	2,020	2.264	2,101 0,330	2.246	1.892	2.241	0.330
	SO2 Emit Rate	0.630	0.330	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		and the second second second second second second second second second second second second second second second	\$ 1,674	化化化学系统 医外外的 法
	SO2 cost(\$000)	\$ 10571 0.195	\$ 1,931 0.574	\$1,851 0.529	\$ 1,837 0.569	\$ 1,499 0:476	\$ 1,674 0.567	\$ 1,662 0.533
	NOx(ktons)		0.574	0.529	0.084	0.983	0.567	0.555
	NOx Emit Rate	4 149		\$ 1,275	\$ 1,225	\$		\$ 1,018
	NOx cost(\$000)	·····································	* 1,035	and a first state of a set	* 2,662	TOTAL CONTRACTOR OF THE	φ 4,07D	And a state of the second second
	Total Emissions Cost (\$000)	\$ 1,720	\$ 3,566	\$ 3,126	\$ 3,063	\$ 2,444	\$ 2,751	\$ 2,680
		\$ 1.52		\$ 2,66	\$ 2,44	\$ 2.31	\$ 2.20	s 2.27
·	Emit Cost per MWh	ADA, M.S.M. 1977. 197	* 2.02		* 2.74	( ) ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	* 4.40	
ŀ						++		
Eat/b (b)	<u></u>	1400 gala 2008	2009	(Ast) + 2010	2011	2012	2013	2014
EntityName	[COV(deterror)	0.626	0.726	0.725	0.692	0.730	0.721	0.698
Coleman 1	SO2(ktons)	0.114	0.114	0.725	0.092	0/114	0.114	0.114
<b> </b>	SO2 Emit Rate			\$ 638	\$ 566	\$ 578		\$ 550
l	502 cost(\$000)	\$ 487 0.682	2.052	2.049	<u> </u>	2.054	2.028	1,963
	NOx(ktons)		0.322	0.322	0.320	0.321	0,321	0.320
	NOx Emit Rate NOx cost(\$000)	<b>\$</b> 521		\$ 4,936	\$ 4,191	\$ 4,077		-\$ 3,747
	NOX COSI(\$000)	1#1.000,004.4	φ 3,045	and the second second	4 1,2.22	363.423392.64V	* 2/000	OF THE REAL PROPERTY AND
	Total Emissions Cost (\$000)	\$ 14,008	\$ 6,462	\$ 55575	\$ 4,757	\$ 14,656	\$ 4,391	\$ 4,297
	Emit Cost per MWh	\$ 0.98		\$ 4.73		3.92	\$ 3.75	\$ 3,79
			1	1		T		1
								1
EntityName	1	Sta 2008	2009	2010	2011	2012	2013	2014
Coteman 2	SO2(ktons)	0.743	0,749	ata (. 40.693.)	0,708	#78%70.689	0.672	0:669
Coleman 2	SO2 Emit Rate	0.114	0.114		0.114	0.114	0.114	0.114
	SO2 cost(\$000)	\$ 578				\$ 546		\$ 526
	NOx(ktons)	0.858	2.118		1.999	1.941	1,891	1.886
· · · · · ·	NOx Emit Rate	No.	0.322		0.322	0.321	0.321	0.322
· · · ·	NOx cost(\$000)	\$ 654			\$ 4,309			\$ 3,601
[-	1 1	ana ana ana ana ana ana ana ana ana ana		的复数制度		的意志的影响		State State
	Total Emissions Cost (\$000)	\$ 1,233	\$ 6,668	\$ 5,325	\$ 4,888	is: 1/4/399	\$ 4,096	*\$ 4,127
	Emit Cost per MWh	× 1.13	\$ 6.11	\$ 5.27		\$ 4.39	\$ 4.19	4.24
	1							
			1	1				1
EntityName		Hermi2008	2009			Sirak <b>2012</b>	2013	2014
Coleman 3	SO2(ktons)	0.757	0.699	0.745	0.749	ASSA 0.618	0.753	0,742
	SO2 Emit Rate	0.114	0.114	0.114	0.114	0,114	0.114	0,114
	SO2 cost(\$000)	\$ 589			\$ 613			\$
	NOx(ktons)	0.870			2.005		2,017	1.996
	NOx Emit Rate		0.323				0.305	0,307
	NOx cost(\$000)	\$ 663	\$ 5,643	\$ 5,073	\$ 4,323	\$3,308	\$ 3,832	\$ 8,811
	Total Operating Cost (\$000)	\$, 25,303			\$ 26,764		\$ 27,465	\$ 27,445
	Op Cost per MWh	\$ 20:52		- A State Constraint of the second second second second second second second second second second second second		\$22.52		\$ 22.81
	Total Emissions Cost (\$000)	\$ 1,253					\$ 4,394	
L	Emit Cost per MWh	\$ 1.02	\$ 5.51	_:\$ <sup>®</sup> ≊14.75	\$ 4.07	\$ 3:79	\$ 3.60	\$ 3.65
l	1.					1		
EntityName	<u> </u>	rs#ny⊄ d <b>/2008</b>		9		1. (************************************	2013	
Reid ST	SO2(ktons)				0.002		0.001	0.001
	SO2 Emit Rate	4:500					0.007	0.006
L	SO2 cost(\$000)	\$ 2,198		\$D			\$ 1	
	NOx(ktons)						0.019	
	BUOL Cash Date	2.25 D 4000			0.151	#DIV/01	0.154	0:154
	NOx Emit Rate NOx cost(\$000)	\$.0.150		) 0.152 5 .\$ 8				<b>\$</b> 46

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						9	*	4 57			26	\$ 47
	Total Emissions Cost (\$000)	\$ 2,198				2.50		152	* #DIV/01	\$	2 01	\$ 2.03
	Emit Cost per MWh	\$ 23.38	\$	2,95	ар <sup>с</sup> ,	00021	4	2.23	4. 24 DY 43-DE 4.	- <b>P</b>	4,44	Call of South State of South State
······································												
IntityName	1 1	27 June #2008	[	2009	G ai	2010		2011	Sec. 2012		2013	(asis - p2014
Reid GT	SO2(ktons)			- ;	5.50	39.08 CM			1. Alexandre		-	New Second
	SO2 Emit Rate					in gener Name	····		Ta Selaria	1. 		
	SO2 cost(\$000)	\$ 0	\$	0		0	\$		\$			<b>\$</b> 0
· · · · · ·	NOx(ktons)	0.002		0.003		10.003			0.006		0.006	0.007
*	NOx Emit Rate					0.150					0.150	0,150
	NOx cost(\$000)	<b>\$</b> 12,74,741	\$	9	\$	-}~ <b>∂8</b> ∀	\$	10	\$ 32.12	\$	11	\$ 13
				-	1. juli	a Asrici				j		和外国
	Total Emissions Cost (\$000)			9	÷.	8		10	\$ 13		11	\$ 13
	Emit Cost per MWh	(\$4)(340;71)	\$	2.59	\$	2.18	\$	1.68	ক লোৱা:53	<u>;</u>	1.48	· \$69:291:49
	·	· · ·	<u> </u>							┉		
EntityName		\$40.9% <b>2008</b>	-	2009	(S.Val	2010	İ –	2011	2012	1	2013	ana a <b>20</b> 1
Green 1	SO2(ktons)	2.016.		2.124	MORES	1:907			(副論社)938		1.982	:36:1.755
0.0011	SO2 Emit Rate	0,195	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Cal <sup>Q</sup>	0.195		0.195	0.195		0.195	0.195
	SO2 cost(\$000)	\$ 1,569	. \$		\$	1,680	\$	1,677			1,480	
	NOx(ktons)	0.878		3,027	3.5	2.743		2.893	2.728		2,795	2:457
	NOX Emit Rate		j	0.278	1	0.280		0.275	0.274	5 ·	0.275	0.273
· · · · · · · · · · · · · · · · · · ·	NOx cost(\$000)	\$ 670	\$		3 <b>5</b>	6,607	\$	6,234	\$ 5,415	\$	5,310	\$ 4,690
		Set as Education Sec.			- Contribution	C-374948/195			Jacobserverse in	ži.		Million Library
	Total Emissions Cost (\$000)	\$ 2,238	\$	10,429	1	8 787	\$	7,910	\$ 6,950	\$	6,791	\$ 6,071
	Emit Cost per MWh	1,21	\$			4.66		4,14	\$ 3.85		3.68	\$ 3.71
·····			T	0.00	T T		1		1	T		T
				3000	55. m	2010		2011	201		2012	Viel-0.201
EntityName	(C)2((term)	2008		1.874		1:9901		1.621	19688.11952		1.868	8.65 2.012
Green 2	SO2(ktons)			0.195	- 19	0.195	<u>}</u>	0.195	0.195		0.195	0.195
	SO2 Emit Rate	manufacture ( "Start Start Start Start		1,598	1	11759		1,326	s 1,546	11. ********	1,395	\$1. 1,5B
	SO2 cost(\$000)	\$ 1,546 0.979		2.629	1.0	2.835		2,252	2,729		2.610	2:830
	NOx(ktons)			0.274	-1-54	0.278		0.271	0.273		0.272	0.274
	NOx Emit Rate NOx cost(\$000)	5 747	5		- 	6,830	\$	4,853	\$ 5416		4,959	\$ 5,402
	NOX COSI(\$000)		· •	77.07	10.05	30.35440		.,000	1. JPR 241 10	- T		Were Harriston
	Total Emissions Cost (\$000)	\$ 2/293	\$	9,082	-03979 	8,584	\$	6.179	\$ 6,962	\$	6,354	\$ 6,98
	Emit Cost per MWh	\$ 1.27	\$	5.35		4.68		4.14	\$ 3.87		3.69	- 65 37
	Print Cost per mwri	and for the second second second second second second second second second second second second second second s	T	0.20	1		Ť			Ţ		J
		2000		2000	1 201-20			2011	1	5	2013	201
Tatal	ECO(Internet)	200 231133	-			2010 21 157	in the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se	2011	201		19.581	20:60
Total	SO2(ktons) SO2 Emit Rate	0:332		0.290	-998	0.300		0.295	0.301	27	0.290	0.29
		\$ 17,997		17,126	-20	18,639		16,404			14,627	\$ 16,21
	SO2 cost(\$000) NOx(ktons)	5:046		13.896	-30	13,892		13,202			13.365	13.27
	NOX(Rtons)	AN ILL MENT	Ser	0.201	-2310 M	0:197		0.194	0.193		0.198	0.49
	NOx cost(\$000)	\$ 3,850	\$	39,562	- 4	33,466		28,451	\$ 26,194		25,393	
	NOX COSI(\$000)	39113 (0)000 - 383 (0)000		00,002	- 44	200. 481 6.2		20,00	Accession	N.		3.5 Y 2833.5
	Total Emissions Cost (\$000)	\$ 21,848	\$	56,688	- 3	52,105	\$	44,855	\$ 42,489	\$	40.020	\$ 41,55
	Emit Cost per MWh	\$ 21,75		4.56	-23	4.09	\$		\$ 3.43		3.25	
		್ರಕ್ರ-ನ್ಯಾಭ್ರಂಭಗಳಿಂದ	4		218	State State State			h al an an an an an an an an an an an an an			With the Co
······································	SO2 Allowances (000 Tons)	52.487	` <b>~~</b> ~~	52,487	-36	52.487	д <b>насе</b> 3	52,487	52.487	12	52.487	52,48
	SOZ Allowance Price per Ton	(\$ 77.8				441			\$		374	
						(23,122			5 \$ (20,774			- 24 - 22 - 23 - 2
		4 (4D 92F										
	SO2 Allowance Value (\$000)	\$ (40,835										
	SO2 Allowance Value (\$000) NOx Allowances (000 Tons)	4.799	Ŋ.	11,398		11:398		11.398	11.39	3	11.398	11.39
	SO2 Allowance Value (\$000) NOx Allowances (000 Tons) NOx Allowance Price per Ton	4.799 \$ 763	\$	11,398 2,847		11/398 2,409	2 7_\$	11.398 2,155	11,398 \$1,98	\$	11.398 1,900	11.39 \$1,90
· · · · · · · · · · · · · · · · · · ·	SO2 Allowance Value (\$000) NOx Allowances (000 Tons)	4.799	\$	11,398		11/398 2,409	2 7_\$	11.398 2,155	11.39	\$	11.398 1,900	11.39 \$ 1,90

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														_	
EntityName			2015	2016		2017	2018			2020		2021		L	2023
D B Wilson 1	SO2(ktons)		10.081	10.666		9.165	10.663		10.098	10.632		10.144	10.639		10.065
	SO2 Emit Rate		0.585	0.585		0.585	0.585		0.585	0.585		0.585	0.585		0.585
	SO2 cost(\$000)	\$		\$ 8,095	\$		\$ 3,807	\$	1,474	\$ 1,457.	\$		\$ 1,181	\$	1,057
	NOx(ktons)		0.992	1.052	é 	0.898	1.054		0.994	1.052		0.996	1:055		0.990
	NOx Emit Rate		0.058	0.058	-	0.057	0.058		0.058	0.058		0.057	0.058		0.058
	NOx cost(\$000)	\$	1,853	\$ 1,839	\$	1,459	\$ 1,654	\$	1,500	\$ 1,599	\$	1,517	\$ 1,608	\$	1,512
i				all the state of the second	ē.			3	!						
	Total Emissions Cost (\$000)	\$	10,996	\$ 9,935	\$	7,123	\$ 5,460	\$	2,975	\$ 3,056	\$	2,877	\$ 2,789	\$	2,569
	Emit Cost per MWh	\$	3.44	5 2.94			\$ 1.62			\$1 0.91			\$1.0.83	\$	0.81
				-	7	1		<u> </u>	1	1				<u></u>	
			2010	v = 2016		2017	3		2010	2020	_	2021	2022	<u> </u>	2023
EntityName		ļ	فسيسببه				Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contra		CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONT	and the second differences of the second	_		in the second second second second second second second second second second second second second second second	l	******
HMPL 1	SO2(ktons)		2.006	2.140		2.000	2,191		1.879	1:994		2.073		<u>.</u>	2.005
	SO2 Emit Rate	L	0,330	0.330		0.330	0.330		0.330	0.330		0.330	0.330		0.330
~	SO2 cost(\$000)	\$		\$ 1,624	\$	1,236	\$ 782	\$		\$1, 273	\$		\$		211
	NOx(ktons)		0,507	0.543	2	0.505	0.555	<u>.</u>	0.475	0:505		0.524	0.555	<u> </u>	0.506
	NOx Emit Rate		0.083	0.084		0.083	0.084	i.	0.083	0.084		0.083	0.084		0.083
	NOx cost(\$000)	\$	948	\$ 949	\$	820	<b>\$</b> ~~871	\$	718	\$ 769	\$	798	\$ 846	. \$	773
				建成节期的	1		间接的间的行			的影响影响			and the second second	1	
	Total Emissions Cost (\$000)	\$	2,768	\$ 2,573	\$	2,056	\$ 1,654	\$	992	\$ 1,042	\$	1,076	\$ 1,089	\$	983
-	Emit Cost per MWh	\$	2.47	\$ 2,15			135			\$ .0.93	\$		\$ 0.89	\$	0.88
		<u> </u>			<b>~~</b>			1	1	إسكتانا المستحصفات	<u> </u>			1	
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			7010	in the second second second		2017	braz - 2018	1	2019	ANS: 352020		2021	2022	<b>İ</b>	2023
EntityName	L	ļ	2015	<u>二〇〇十八</u> 2016				Į						L	
HMPL 2	SO2(ktons)	ļ	2.256	2.099		2.228	2.056	i.	2.187	1.873		2.243	223,2.129	<u>.</u>	2,190
[	SO2 Emit Rate	ļ	0.330	0.330		0.330	0.330	<u> </u>	0.330	0:330		0.330	0.330	<u></u>	0.330
	SO2 cost(\$000)	\$		\$ 1,593		1,377	\$734			\$ 257	\$	301	\$	\$	230
	NOx(ktons)		0.569	0,531		0.564	0:519	9	0.555	0.474		0.567		<u>.</u>	0.554
	NOx Emit Rate		0.083	0.083	ę	0.084	0.083		0.084	0:083		0.083	0.083		0.083
	NOx cost(\$000)	\$	1,063	\$ 927	¢ \$	916	\$ B15	\$	837	\$ 720	\$	864	\$ 12.819	: \$	846
				10.150 Mar 14	¥. 'S		NAT WEAK	ŵ.		Service of Services			an an an an an an an an an an an an an a	5	
	Total Emissions Cost (\$000)	\$	3,109	\$ 2,520	\$	2,293	\$ 1,549	\$	1,157	\$ 977	\$	1,164	\$ 1.055	\$	1,076
*	Emit Cost per MWh	\$	2.47	\$ 2.15			s 1.35	\$	0.95	\$ 0,93		0.93	\$ 0.89	\$	0.88
		1			T		1	1	1				14	T	
		<u> </u>			+									+	
			2010	2		2017	2018		2019	2020		2021	5-555) <b>202</b> 2	<u>+</u>	2023
EntityName	[	Ļ	2015	aasaa.2016	_		1	¥						Į	
Coleman 1	SO2(ktons)	ļ	0.738	0.735		0.627	0,722	i	0.733	0.696		0.735	0.734	<u> </u>	0.683
	SO2 Emit Rate	L	0.114	0.114		0.114	0.114	<u> </u>	0.114	0.114		0.114	0.114		0,114
	SO2 cost(\$000)	\$		\$		387	s. 258	\$		\$ 95	\$	98	\$ 81	\$	72
	NOx(ktons)		2.077	2.064		1.766	2.030	÷	2.062	1.956		2.064	2.063		1,926
	NOx Emit Rate		0.321	0.320		0.321	0.321	<u> </u>	0.321	0.320		0.320	0,320		0.321
	NOx cost(\$000)	\$	3,882	\$ 3,607	\$	2,870	\$ 3/185	\$	3,114	\$ 2,974	\$	3,143	\$3,145	\$	2,940
				Civitation Pl	N.		35333	çı.		and the second second second second second second second second second second second second second second second			algebraic and an and a state of the	ł	
	Total Emissions Cost (\$000)	\$	4,552	\$ 4,164	\$	3,257	\$1 3,442	\$	3,221	\$ 3,070	\$	3,242	\$ 3,227	\$	3,012
	Emit Cost per MWh	\$	3.79	\$ 3:49	\$	3.20	\$ 2.93	\$	2.70	\$ 2.71	\$	2.71	\$ 6.2.70	\$	2.71
h		<u> </u>		(			1	7	1				1	7	
		<u> </u>						1	· · · · · · · · · · · · · · · · · · ·					1	
EntityName		<u> </u>	2015	2 99 2 201	si	2017	2018	1	2019	2020		2021	Carl 2022	t	2023
	507((Ann-)	<u> </u>	0.725		_	0.741	0.738	-	0.668	0.721	_	0.730	0.677	3	0,741
Coleman 2	SO2(ktons)	<u> </u>	0.114			0.114	0.114		0.000	0.114		0.114	0.114		0,114
	SO2 Emit Rate	<u> </u>		0.114				<u> </u>			*		\$ 75		
<u>.</u>	SO2 cost(\$000)	\$	657	\$ 446		458	\$) 264		98	\$	\$	.98		· #	
	NOx(ktons)	<u> </u>	2.041	1,666		2.082			1 070					<u>\$</u>	
	NOx Emit Rate	1					2:074		1.878	, 2.027		2.057	1,904		2.074
			0.321	0.323		0.320	0.320	à.	0.320	2.027		2.057 0.321	1,904 0,321		2.074 0.319
	NOx cost(\$000)	\$		0.323 \$2,912				à.		, 2.027	\$	2.057	1,904		2.074 0.319
		T.	3,815	\$ 2,912	5 <b>\$</b> %	0.320 3,383	0.320 \$ 3,254	\$	0.320 2,836	2:027 0:320 \$ 3,083		2.057 0.321 3,132	1.904 0.321 \$ 2,904	\$	2.074 0.319 3,168
	Total Emissions Cost (\$000)	\$	3,815 4,472	\$ <u>2,912</u> \$3,358	\$ \$	0.320 3,383 3,841	0.320 \$3,254 \$3,518	\$	0.320 2,836 2,933	2.027 0.320 \$ 3,083 \$ 3,182	\$	2.057 0.321 3,132 3,230	1.904 0.321 \$ 2,904 \$ 2,979	\$	2.074 0.319 3,168 3,245
		T.	3,815	\$ 2,912	\$ \$	0.320 3,383	0.320 \$3,254 \$3,518	\$	0.320 2,836	2:027 0:320 \$ 3,083	\$	2.057 0.321 3,132 3,230	1.904 0.321 \$ 2,904	\$	2.074 0.319 3,168 3,245
	Total Emissions Cost (\$000)	\$	3,815 4,472	\$ <u>2,912</u> \$3,358	\$ \$	0.320 3,383 3,841	0.320 \$3,254 \$3,518	\$	0.320 2,836 2,933	2.027 0.320 \$ 3,083 \$ 3,182	\$	2.057 0.321 3,132 3,230	1.904 0.321 \$ 2,904 \$ 2,979	\$	2.074 0.319 3,168 3,245
	Total Emissions Cost (\$000)	\$	3,815 4,472	\$ <u>2,912</u> \$3,358	\$ \$	0.320 3,383 3,841	0.320 \$3,254 \$3,518	\$	0.320 2,836 2,933	2.027 0.320 \$ 3,083 \$ 3,182	\$	2.057 0.321 3,132 3,230	1.904 0.321 \$ 2,904 \$ 2,979	\$	78 2.074 0.319 3,168 3,245 3.01
EntityName	Total Emissions Cost (\$000)	\$	3,815 4,472 4.24	\$ <u>2,912</u> \$3,358	\$	0.320 3,383 3,841	\$ 3,254 \$ 3,518 \$ 3,518	\$	0.320 2,836 2,933	2.027 0.320 \$ 3,083 \$ 3,182	\$	2.057 0.321 3,132 3,230	1.904 0.321 \$ 2,904 \$ 2,979	\$	2.074 0.319 3,168 3,245
EntityName Coleman 3	Total Emissions Cost (\$000) Emit Cost per MWh	\$	3,815 4,472 4.24 2015	\$2,912 \$3,358 \$3,93	\$ \$ \$	0.320 3,383 3,841 3.56 2017	0.320 \$ 3,254 \$ 3,518 \$ 3,28 \$ 3,28 \$ 2018	\$	0.320 2,836 2,933 3.02 2019	2:027 0:320 \$ 3;083 \$ 3;182 \$ 3:04 	\$	2.057 0.321 3,132 3,230 3.05 2021	1.904 0.321 \$ 2,904 \$ 3.03 \$ 3.03	\$	2.074 0.319 3,168 3,245 3.01
EntityName Coleman 3	Total Emissions Cost (\$000) Emit Cost per MWh SO2(ktons)	\$	3,815 4,472 4.24 2015 0.677	\$ 2,912 \$ 3,358 \$ 3.93 	\$ \$ \$ 5 6	0.320 3,383 3,841 3.56 2017 0.744	0.320 \$ 3,254 \$ 3;518 \$ 3:28 	\$ \$ \$	0.320 2,836 2,933 3.02 2019 0.719	2:027 0:320 \$ 3;083 \$ 3;182 \$ 3:04 2020 0:741	\$	2.057 0.321 3,132 3,230 3.05 2021 0.643	1.904 0.321 \$ 2,904 \$ 3:03 \$ 3:03 \$ 22022 0.753	\$	2.074 0.319 3,168 3,245 3.01 202 0.749
	Total Emissions Cost (\$000) Emit Cost per MWh SO2(ktons) SO2 Emit Rate	\$	3,815 4,472 4.24 2015 0.677 0.114	\$ 2,912 \$ 3,358 \$ 3.93 	5 5 5 6	0.320 3,383 3,841 3.56 2017 0.744 0.114	\$ 3,254 \$ 3,254 \$ 3,518 \$ 3,28 \$ 3,29 \$ 3,254 \$ 3,256 \$ 3,256 \$ 3,265 \$ 3,265\$ \$ 3,265\$ \$ 3,265\$\$ 3,265\$\$ 3,265\$\$ 3,265\$\$ 3,265\$\$ 3,265\$\$ 3,265\$\$ 3,265\$	\$ \$ \$	0.320 2,836 2,933 3.02 2019 0.719 0.114	2:027 0:320 4: 3;083 5: 3;182 5: 3:04 2020 0:741 0:114	\$	2.057 0.321 3,132 3,230 3.05 2021 0.643 0.114	1:904 0:321 \$ 2:904 \$ 3:03 \$ 3:03 \$ 2:222 0:753 0:114	\$ \$ \$ \$	2.074 0.319 3,168 3,245 3.01 202 0.749 0.114
	Total Emissions Cost (\$000) Emit Cost per MWh SO2(ktons) SO2 Emit Rate SO2 cost(\$000)	\$	3,815 4,472 4.24 2015 0.677 0.114 614	\$ 2,912 \$ 3,358 \$ 3.93 \$ 201 0.742 0.114 \$ 563	\$ \$ \$ 6 	0.320 3,383 3,841 3.56 2017 0.744 0.114 460	\$ 0.320 \$ 3,254 \$ 3,518 \$ 3,28 \$ 3,28 \$ 2,011 0.6593 0.114 \$ 248	\$ \$ \$ 3	0.320 2,836 2,933 3.02 2019 0.719 0.114 105	2:027 0:320 4 3;083 5 3;182 5 3:04 2020 0.741 0.114 4 102	\$	2.057 0.321 3,132 3,230 3.05 2021 0.643 0.114 86	1.904 0.321 \$ 2.904 \$ 3.03 \$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$ 3.03\$\$\$ 3.03\$\$\$ 3.03\$\$\$ 3.03\$\$\$ 3.03\$\$\$ 3.03\$\$\$ 3.03\$\$\$ 3.03\$\$\$ 3.03\$\$\$ 3.03\$\$\$ 3.03\$\$\$ 3.03\$\$\$ 3.03\$\$\$ 3.03\$\$\$ 3.03\$\$\$ 3.03\$\$\$ 3.03\$\$\$ 3.03\$\$\$ 3.03\$\$\$\$ 3.03\$\$\$\$ 3.03\$\$\$\$ 3.03\$\$\$\$ 3.03\$\$\$\$ 3.03\$\$\$\$ 3.03\$\$\$\$ 3.03\$\$\$\$ 3.03\$\$\$\$\$ 3.03\$\$\$\$\$\$ 3.03\$\$\$\$\$\$\$\$\$\$	\$	2.074 0.319 3,168 3,245 3.01 202 0.749 0.114 79
	Total Emissions Cost (\$000) Emit Cost per MWh SO2(ktons) SO2 Emit Rate SO2 cost(\$000) NOx(ktons)	\$	3,815 4,472 4.24 2015 0.677 0.114 614 1.813	\$ 2,912 \$ 3,358 \$ 3.93 \$ 201 0.742 0.114 \$ 563 (1.99	\$ \$ 6 8 8 8 8	0.320 3,383 3,841 3.56 2017 0.744 0.114 460 1.995	\$ 0.320 \$ 3,254 \$ 3,518 \$ 328 \$ 328 \$ 2018 0.6593 0.314 \$ 248 1.861	\$ \$ \$ 3	0.320 2,836 2,933 3.02 2019 0.719 0.114 105 1,935	2:027 0:320 \$ 3;083 \$ 3;182 \$ 3:04 	\$	2.057 0.321 3,132 3,230 3.05 2021 0.643 0.114 86 1.728	1.904 0.321 \$ 2.904 \$ 3:03 \$ 3:03 	\$ \$ \$ 2 	2.074 0.319 3.168 3.245 3.01 202 0.749 0.114 79 2.008
	Total Emissions Cost (\$000) Emit Cost per MWh SO2(ktons) SO2 Emit Rate SO2 cost(\$000) NOx(ktons) NOx Emit Rate	\$	3,815 4,472 4.24 2015 0.677 0.114 614 1.813 0.305	\$ 2,912 \$ 3,358 \$ 3.93 201 0.742 0.114 \$ 563 1.1994 0.306	\$ \$ 6 3 3 4 5 5 5 5 5 6 1 4 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	0.320 3,383 3,841 3.56 2017 0.744 0.114 460 1.995 0.306	0.320 3.254 3.518. 3.328 2.2014 0.6593 0.114 4.248 1.861 0.305	\$ \$ 3 \$	0.320 2,836 2,933 3.02 2019 0.719 0.114 105 1.935 6.307	2:027 0.320 4 3,083 5 3,182 5 3:04 2020 0,741 0.114 4 102 1992 0.306	\$	2.057 0.321 3,132 3,230 3.05 2021 0.643 0.114 86 1.728 0.307	1.904 0.321 \$ 2.904 \$ 3.03 \$ 3.03 0.114 \$ 0.14 \$ 84 2.019 0.306	\$	2,074 0,319 3,168 3,245 3,01 202 0,749 0,114 79 2,008 0,305
	Total Emissions Cost (\$000) Emit Cost per MWh SO2(ktons) SO2 Emit Rate SO2 cost(\$000) NOx(ktons)	\$	3,815 4,472 4.24 2015 0.677 0.114 614 1.813	\$ 2,912 \$ 3,358 \$ 3.93 201 0.742 0.114 \$ 563 1.1994 0.306	\$ \$ 6 3 3 4 5 5 5 5 5 6 1 4 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	0.320 3,383 3,841 3.56 2017 0.744 0.114 460 1.995 0.306	\$ 0.320 \$ 3,254 \$ 3,518 \$ 328 \$ 328 \$ 2018 0.6593 0.314 \$ 248 1.861	\$ \$ 3 \$	0.320 2,836 2,933 3.02 2019 0.719 0.114 105 1,935 0.307	2:027 0:320 \$ 3;083 \$ 3;182 \$ 3:04 	\$	2.057 0.321 3,132 3,230 3.05 2021 0.643 0.114 86 1.728	1.904 0.321 \$ 2.904 \$ 3.03 \$ 3.03 0.114 \$ 84 2.019 0.306	\$	2,074 0,319 3,168 3,245 3,01 202 0,749 0,114 79 2,008 0,305
	Total Emissions Cost (\$000) Emit Cost per MWh SO2(ktons) SO2 Emit Rate SO2 cost(\$000) NOX(ktons) NOX Emit Rate NOX cost(\$000)	\$	3,815 4,472 4.24 2015 0.677 0.114 614 1.813 0.305 3,389	\$ 2,912 \$ 3,358 \$ 3.93 	\$ \$ 6 3 3 5 5 5 5 5	0.320 3,383 3,841 3.56 2017 0.744 460 1.995 0.306 3,241	\$ 0.320 \$ 3.254 \$ 3.518 \$ 3.28 2.2018 0.693 0.114 \$ 248 1.861 0.305 \$ 2.920	\$ \$ 3 \$ \$	0.320 2,836 2,933 3.02 2019 0.719 0.114 105 1.935 0.307 2,922	2:027 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0:320 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$	2.057 0.321 3,132 3,230 3.05 2021 0.643 0.148 86 1.728 0.307 2,632	1:904 0:321 \$ 2:994 \$ 3:03 \$ 3:03 \$	\$	2.074 0.319 3,168 3,245 3.01 202 0.749 0.114 75 2.008 0.306 3,067
	Total Emissions Cost (\$000) Emit Cost per MWh SO2(ktons) SO2 Emit Rate SO2 cost(\$000) NOx(ktons) NOx Emit Rate NOx cost(\$000) Total Operating Cost (\$000)	\$	3,815 4,472 4.24 2015 0.677 0.114 614 1.813 0.305 3,389 25,379	\$ 2,912 \$ 3,358 \$ 3,93 0.742 0.114 \$ 553 1,199 0.306 \$ 3,465 \$ 28,131	\$ \$ 6 \$ \$ \$ \$ \$ \$	0.320 3,383 3,841 3.56 2017 0.744 0.114 460 1.995 0.306 3,241 28,518	\$ 3,254 \$ 3,254 \$ 3,254 \$ 3,264 \$ 3,264 \$ 3,264 \$ 0,693 \$ 0,114 \$ 2,248 \$ 1,861 \$ 0,306 \$ 2,2920 \$ 27,112	\$ \$ \$ \$ \$ \$	0.320 2,836 2,933 3.02 2019 0.719 0.114 105 1.935 0.307 2,922 28,442	2:02# 0:320 3:3083 3:3182 5:3104 5:3104 7:411 0:314 4:102 1:992 0:305 5:3030 5:3030	\$	2.057 0.321 3,132 3,230 3.05 2021 0.643 0.114 86 1.728 0.307 2,632 26,177	1304 0.321 2.2904 2.2979 3.303 3.303 3.303 3.304 3.3079 3.3079 3.3079	\$ \$ \$ \$ \$ \$	2.074 0.319 3,168 3,245 3.01 202 0.749 0.114 75 2.008 0.306 3,067 31,156
	Total Emissions Cost (\$000) Emit Cost per MWh SO2(ktons) SO2 Emit Rate SO2 cost(\$000) NOx(ktons) NOx Emit Rate NOx cost(\$000) Total Operating Cost (\$000) Op Cost per MWh	\$	3,815 4,472 4.24 2015 0.677 0.114 614 1.813 0.305 3,389 25,379 23,13	\$ 2,912 \$ 3,355 \$ 3,93 	\$ \$ 6 \$ \$ \$ \$	0.320 3,383 3,841 3.56 2017 0.744 0.114 460 1.995 0.306 3,241 28,518 23,66	0.320 \$ 3.254 \$ 3.518 \$ 3.28 2.2010 0.593 0.114 \$ 240 1.861 0.305 \$ 2.920 \$ 2.920 \$ 2.7,122 \$ 2.413	\$ \$ \$ \$ \$ \$ \$	0.320 2,836 2,933 3.02 2019 0.719 0.114 105 1.935 0.307 2,922 28,442 24,40	202% 0.320 \$ 3,083 \$ 3,182 \$ 3,04 \$ 3,04 \$ 2020 0.741 0.114 \$ 102 0.305 \$ 3,030 \$ 29,651 \$ 24,65	\$	2.057 0.321 3,132 3,230 3.05 2021 0.643 0.114 86 1.728 0.307 2,632 26,177 25.14	1.394 0.321 2.3994 2.3934 3.333 0.114 3.444 2.019 0.366 2.33079 2.33092 2.33092 2.33092	\$	2.074 0.319 3,168 3,245 3.01 202 0.749 0.114 75 2.008 0.306 3,067 31,156 25.65
	Total Emissions Cost (\$000) Emit Cost per MWh SO2(ktons) SO2 Emit Rate SO2 cost(\$000) NOx(ktons) NOx Emit Rate NOx cost(\$000) Total Operating Cost (\$000)	\$	3,815 4,472 4.24 2015 0.677 0.114 614 1.813 0.305 3,389 25,379	\$ 2,912 \$ 3,359 \$ 3,09 0.742 0.114 \$ 569 0.306 \$ 3,465 \$ 2335 \$ 2335	\$ \$ 6 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.320 3,383 3,841 3.56 2017 0.744 0.114 460 1.995 0.306 3,241 28,518 23.66 3,701	0.320 \$ 3,284 \$ 3,518, \$ 328 2 2018 0.114 \$ 248 1.861 0.306 \$ 2,290 \$ 2,7122 \$ 2,413 \$ 3,165 2,518 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1	\$ \$ 3 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0.320 2,836 2,933 3.02 2019 0.719 0.114 105 1.935 0.307 2,922 28,442 24,40 3,027	2.02% 0.320 3.083 3.182 3.04 2.2020 0.741 0.114 3.102 1.992 3.036 5.3030 3.065 5.3030 3.065 5.3030 3.065 5.3030	\$	2.057 0.321 3,132 3,230 3.05 2021 0.643 0.114 86 1.728 0.307 2,632 26,177 25.14 2,718	1304 0,321 2,2904 2,2979 3,303 2,2022 0,753 0,014 5,2039 2,2039 4,30,932 4,30,932 5,2535 5,2535 5,2535	\$	2.074 0.315 3,166 3,245 3.01 202 0.745 0.114 2.000 0.306 3.065 3.065 3.145 25.65 3,145
	Total Emissions Cost (\$000) Emit Cost per MWh SO2(ktons) SO2 Emit Rate SO2 cost(\$000) NOx(ktons) NOx Emit Rate NOx cost(\$000) Total Operating Cost (\$000) Op Cost per MWh	\$	3,815 4,472 4.24 2015 0.677 0.114 614 1.813 0.305 3,389 25,379 23,13	\$ 2,912 \$ 3,355 \$ 3,93 	\$ \$ 6 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.320 3,383 3,841 3.56 2017 0.744 0.114 460 1.995 0.306 3,241 28,518 23,66	0.320 \$ 3,284 \$ 3,518, \$ 328 2 2018 0.114 \$ 248 1.861 0.306 \$ 2,290 \$ 2,7122 \$ 24,13 \$ 3,167 \$ 2,413 \$ 3,167 \$ 2,413 \$ 3,167 \$ 2,518 \$ 3,284 \$ 3,518, \$ 3,284 \$ 3,286 \$ 3,	\$ \$ 3 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0.320 2,836 2,933 3.02 2019 0.719 0.114 105 1.935 0.307 2,922 28,442 24,40	202% 0.320 \$ 3,083 \$ 3,182 \$ 3,04 \$ 3,04 \$ 2020 0.741 0.114 \$ 102 0.305 \$ 3,030 \$ 29,651 \$ 24,65	\$	2.057 0.321 3,132 3,230 3.05 2021 0.643 0.114 86 1.728 0.307 2,632 26,177 25.14	1.394 0.321 2.3994 2.3934 3.333 0.114 3.444 2.019 0.366 2.33079 2.33092 2.33092 2.33092	\$	2.074 0.315 3,166 3,245 3.01 202 0.745 0.114 2.000 0.306 3.065 3.065 3.145 25.65 3,145
	Total Emissions Cost (\$000) Emit Cost per MWh SO2(ktons) SO2 Emit Rate SO2 cost(\$000) NOx Emit Rate NOx cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Total Emissions Cost (\$000)	\$ \$ \$ \$	3,815 4,472 4.24 2015 0,677 0,114 614 1,813 0,305 3,389 25,379 23,13 4,003	\$ 2,912 \$ 3,359 \$ 3,09 0.742 0.114 \$ 569 0.306 \$ 3,465 \$ 2335 \$ 2335	\$ \$ 6 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.320 3,383 3,841 3.56 2017 0.744 0.114 460 1.995 0.306 3,241 28,518 23.66 3,701	0.320 \$ 3,284 \$ 3,518, \$ 328 2 2018 0.114 \$ 248 1.861 0.306 \$ 2,290 \$ 2,7122 \$ 2,413 \$ 3,165 2,518 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1.861 1	\$ \$ 3 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0.320 2,836 2,933 3.02 2019 0.719 0.114 105 1.935 0.307 2,922 28,442 24,40 3,027	2.02% 0.320 3.083 3.182 3.04 2.2020 0.741 0.114 3.102 1.992 3.036 5.3030 3.065 5.3030 3.065 5.3030 3.065 5.3030	\$	2.057 0.321 3,132 3,230 3.05 2021 0.643 0.114 86 1.728 0.307 2,632 26,177 25.14 2,718	1304 0,321 2,2904 2,2979 3,303 2,2022 0,753 0,014 5,2039 2,2039 4,30,932 4,30,932 5,2535 5,2535 5,2535	\$	2.074 0.315 3,166 3,245 3.01 202 0.745 0.114 2.000 0.306 3.065 3.065 3.145 25.65 3,145
	Total Emissions Cost (\$000) Emit Cost per MWh SO2(ktons) SO2 Emit Rate SO2 cost(\$000) NOx Emit Rate NOx cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Total Emissions Cost (\$000)	\$ \$ \$ \$	3,815 4,472 4.24 2015 0,677 0,114 614 1,813 0,305 3,389 25,379 23,13 4,003	\$ 2,912 \$ 3,359 \$ 3,09 0.742 0.114 \$ 569 0.306 \$ 3,465 \$ 2335 \$ 2335	\$ \$ 6 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.320 3,383 3,841 3.56 2017 0.744 0.114 460 1.995 0.306 3,241 28,518 23.66 3,701	0.320 \$ 3,284 \$ 3,518, \$ 328 2 2018 0.114 \$ 248 1.861 0.306 \$ 2,290 \$ 2,7122 \$ 2,413 \$ 3,165 2 2,900	\$ \$ 3 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0.320 2,836 2,933 3.02 2019 0.719 0.114 105 1.935 0.307 2,922 28,442 24,40 3,027	2.02% 0.320 3.083 3.182 3.04 2.2020 0.741 0.114 3.102 1.992 3.036 5.3030 3.065 5.3030 3.065 5.3030 3.065 5.3030	\$	2.057 0.321 3,132 3,230 3.05 2021 0.643 0.114 86 1.728 0.307 2,632 26,177 25.14 2,718	1304 0,321 2,2904 2,2979 3,303 2,2022 0,753 0,014 5,2039 2,2039 4,30,932 4,30,932 5,2535 5,2535 5,2535	\$	2.074 0.319 3,168 3,245 3.01 202 0.749 0.114 2.000 0.306 3.067 3.067 3.067 3.156 25.65 3.145
Coleman 3	Total Emissions Cost (\$000) Emit Cost per MWh SO2(ktons) SO2 Emit Rate SO2 cost(\$000) NOx Emit Rate NOx cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Total Emissions Cost (\$000)	\$ \$ \$ \$	3,815 4,472 4.24 2015 0.677 0.114 614 1.813 0.305 3,389 25,379 23,13 4,003 3.65	\$ 2,912 \$ 3,358 \$ 3,93 0.742 0.114 \$ 563 1.99 0.306 \$ 3,485 \$ 28,133 \$ 28,133 \$ 28,133 \$ 3,465 \$ 23,35 \$ 3,465 \$ 3,465 \$ 3,912 0.565 \$ 3,912 0.742 0.565 \$ 3,912 0.742 0.565 \$ 3,912 0.742 0.565 \$ 3,912 0.742 0.114 \$ 5,555 0.565 \$ 3,912 0.742 0.114 \$ 5,555 0.565 \$ 3,912 0.114 \$ 5,555 0.565 \$ 3,912 0.114 \$ 5,555 0.565 \$ 3,912 0.114 \$ 5,555 0.574 \$ 3,912 0.114 \$ 5,555 0.574 \$ 3,912 0.114 \$ 5,555 0.574 \$ 3,465 \$ 3,365 \$ 3,465 \$ 3,365 \$ 3,365 \$ 3,365 \$ 3,465 \$ 3,365 \$ 3,365 \$ 3,465 \$ 3,465 \$ 3,365 \$ 3,365 \$ 3,465 \$ 3,365 \$ 3,365 \$ 3,465 \$ 3,365 \$ 3,565 \$ 3,565 \$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$ 3,565\$\$\$ 3,565\$\$\$ 3,565\$\$\$ 3,565\$\$\$ 3,565\$\$\$ 3,565\$\$\$ 3,565\$\$\$ 3,565\$\$\$ 3,565\$\$\$ 3,565\$\$\$ 3,565\$\$\$ 3,565\$\$\$ 3,565\$\$\$ 3,565\$\$\$ 3,565\$\$\$\$ 3,565\$\$\$\$ 3,565\$\$\$\$ 3,565\$\$\$\$ 3,565\$\$\$\$ 3,565\$\$\$\$ 3,565\$\$\$\$\$\$ 3,565\$\$\$\$\$\$\$ 3,565\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	\$ \$ 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0.320 3,383 3,841 3.56 2017 0.744 0.114 460 1.995 0.306 3,241 28,518 23,66 3,701 3.07	0.320 3.254 3.254 3.328 0.693 0.114 4.246 0.306 5.2920 4.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 5.2920 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0.643 0.114 86 6 1.728 0.307 2,632 26,177 25.14 2,718 2.61	1.994 0.321 2.994 2.979 5.303 0.713 0.753 0.114 5.94 2.019 0.366 2.30792 2.535 5.3253 5.3253 5.3253	\$ \$ \$ \$ \$ \$ \$ \$	2.074 0.319 3.166 3.01 2022 0.745 0.114 7.7 7 2.008 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 3.057 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Coleman 3	Total Emissions Cost (\$000) Emit Cost per MWh SO2(ktons) SO2 Emit Rate SO2 cost(\$000) NOx Emit Rate NOx cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Total Emissions Cost (\$000) Emit Cost per MWh	\$ \$ \$ \$	3,815 4,472 4.24 2015 0.677 0.114 614 1.813 0.305 3,389 25,379 23,13 4,003 3.65 2015	\$ 2,912 \$ 3,359 \$ 3,959 	\$ \$ 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0.320 3,383 3,841 3.56 2017 0.744 0.114 460 1.995 0.306 3,241 28,518 23.66 3,701 3.07 2017	0.320 \$ 3,284 \$ 3,518, \$ 328 2 2018 0.114 \$ 248 1.855 0.306 \$ 2,7,122 \$ 2,413 \$ 3,165 \$ 3,267 \$ 2,822 \$ 2,413 \$ 3,267 \$ 2,822 \$ 2,413 \$ 3,267 \$ 2,822 \$ 2,413 \$ 3,267 \$ 2,822 \$ 2,825 \$ 2,825 \$ 3,267 \$ 2,825 \$ 3,855 \$ 3,	\$ \$ 8 8	0.320 2,836 2,933 3.02 2019 0.719 0.114 105 1.935 0.307 2,922 28,442 24,40 3,027	2:02# 0.320 3 (3) 3 (3)	\$	2.057 0.321 3,132 3,230 3.05 2021 0.643 0.114 86 1.728 0.307 2,632 26,177 25.14 2,718 2.61	1.994 0.321 2.994 2.979 3.03 0.014 2.022 0.753 0.014 2.019 0.366 2.3079 2.3079 2.3079 2.30792 2.3375 3.2535 3.2535 2.259	\$ \$ \$ \$ \$ \$ \$ \$	2.074 0.319 3.166 3.245 3.01 2022 0.745 2.020 3.0114 2.020 3.067 3.155 2.565 2.565 2.555 2.255
Coleman 3	Total Emissions Cost (\$000) Emit Cost per MWh SO2(ktons) SO2 Emit Rate SO2 cost(\$000) NOx(Ktons) NOx Emit Rate NOx cost(\$000) Total Operating Cost (\$000) Emit Cost per MWh Total Emissions Cost (\$000) Emit Cost per MWh SO2(ktons)	\$ \$ \$ \$	3,815 4,472 4.24 2015 0.677 0.114 614 1.813 0.305 3,389 25,379 23,13 4,003 3,65 2015	\$ 2,912 \$ 3,358 \$ 3,93 0,742 0,742 0,114 \$ 599 1,999 \$ 28,131 \$ 23,35 \$ 4,045 \$ 3,045 \$ 3,045 \$ 3,045 \$ 3,045 \$ 3,045 \$ 3,05 \$ 5,05 \$	\$ \$ 6 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.320 3,383 3,841 3.56 2017 0.744 0.114 460 1.995 0.306 3,241 28,518 23,66 3,701 3.07 2017 0.001	0.320 3.3284 3.3284 3.3284 3.3284 3.284 0.693 0.114 3.264 1.861 0.306 3.262 4.2920 4.2920 4.2920 4.2920 5.3265 3.262 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920 4.2920	\$ \$ 8 8 8 8	0.320 2.836 2.933 3.02 2019 0.719 0.114 105 1.935 0.307 2.922 28,442 24.40 3.027 2.60 -	2:02# 0:320 3:083 3:083 3:09 2:020 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 0:741 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5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,3555 5,3555 5,3555 5,3555 5,3555 5,3555 5,3555 5,355	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2.074 0.319 3.166 3.245 3.01 202 0.749 0.114 75 2.006 0.306 3.067 31.156 25.65 3.145 2.56 2.565 3.145 2.565 3.145 2.565 3.145 2.565 3.145 2.565 3.145 2.565 3.145 2.565 3.145 2.555 3.145 2.555 3.145 2.555 3.145 2.555 3.145 2.555 3.1455 3.1455 3.1455 3.1455 3.1455 3.1555 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.1455 3.14555 3.14555 3.14555555555555555555555555555555555555
Coleman 3	Total Emissions Cost (\$000) Emit Cost per MWh SO2(ktons) SO2 Emit Rate SO2 cost(\$000) NOx(ktons) NOX crint Rate NOx cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Total Emissions Cost (\$000) Emit Cost per MWh SO2(ktons) SO2 Emit Rate	\$	3,815 4,472 4.24 2015 0.677 0.114 614 1.813 0.305 3,389 25,379 23.13 4,003 3.65 -	\$ 2,912 \$ 3,358 3 3,93 2 201 0.742 0.144 \$ 553 1.199 0.306 \$ 3,465 4 28,133 \$ 28,133 \$ 28,133 \$ 23,35 \$ 4,045 \$ 3,366 \$ 3,465 \$ 3,465 \$ 3,958 \$ 4,954 \$ 3,958 \$ 4,945 \$ 3,958 \$ 4,945 \$ 5,557 \$ 4,945 \$ 5,557 \$ 4,945 \$ 5,557 \$ 5,5577 \$ 5,557 \$ 5,5577 \$ 5,5577 \$	\$ \$ 6 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0.320 3,383 3,841 3.56 2017 0.744 0.114 460 0.995 0.306 3,241 28,518 23,66 3,701 3.07 28,518 23,66 3,701 3.07	0.320 3.254 3.254 3.254 3.201 0.693 0.114 4.248 1.861 0.305 5.21920 4.2413 5.3167 3.4128 1.861 0.305 1.861 0.305 1.861 0.305 1.861 0.305 1.861 0.305 1.861 0.305 1.861 0.305 1.861 0.305 1.861 0.305 1.861 0.305 1.861 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Coleman 3	Total Emissions Cost (\$000) Emit Cost per MWh SO2(ktons) SO2 Emit Rate SO2 cost(\$000) NOx (ktons) NOx Emit Rate NOx cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Total Emissions Cost (\$000) Emit Cost per MWh SO2(ktons) SO2(ktons) SO2 Emit Rate SO2 cost(\$000)	\$ \$ \$ \$	3,815 4,472 4,24 2015 0,677 0,114 614 1,813 0,305 3,389 25,379 23,13 4,003 3,65 2015 - - 0	\$ 2,912 \$ 3,358 \$ 3,93 	\$ \$ 6 6 6	0.320 3,383 3,841 3.56 2017 0.744 0.114 460 1.995 0.306 3.241 28,518 23.66 3.701 3.07 2017 0.001 0.001 0.001 0.001 0.001	0.320 3.254 3.254 3.284 3.284 0.693 0.114 4.246 0.306 5.2920 4.2413 5.3167 4.2413 5.3167 4.2413 5.3167 4.282 2.201 0.000 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 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2,632 2,632 2,632 2,632 2,632 2,632 3,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 3,632 3,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632	1304 0,221 2,2904 2,2994 3,303 3,004 4,2022 0,753 0,014 5,84 4,2019 0,366 4,30,932 5,2535 5,34 5,353 5,353 5,2535 5,353 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,355 5,3555 5,3555 5,3555 5,3555 5,3555 5,3555 5,3555 5,355	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2.074 0.319 3.166 3.245 3.01 2022 0.745 0.114 75 2.005 3.067 3.067 3.067 3.067 3.052 2.565 2.555 2.555 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 2.052 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Coleman 3	Total Emissions Cost (\$000) Emit Cost per MWh SO2(ktons) SO2 Emit Rate SO2 cost(\$000) NOx Emit Rate NOx cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Total Emissions Cost (\$000) Emit Cost per MWh SO2(ktons) SO2 Emit Rate SO2(ktons) SO2 Emit Rate SO2 cost(\$000) NOx(ktons)	\$	3,815 4,472 4,24 2015 0.677 0.114 614 1.813 0.305 3,389 25,379 23,13 4,003 3.65 2015 	\$ 2,912 \$ 3,358 \$ 3,93 0,742 0,742 0,114 \$ 566 1,999 0,306 \$ 3,485 \$ 28,131 \$ 2001 \$ 3,045 \$ 4,045 \$ 5,045 \$ 5,055 \$ 5,0555 \$ 5,0555 \$ 5,05555 \$ 5,05555	\$ 5 6 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0.320 3,383 3,841 3.56 2017 0.744 0.114 460 1.995 0.306 3,241 28,518 23,66 3,701 3.07 2017 0.001 0.002 0 0	0.320 \$ 3,284 \$ 3,518, \$ 328 0.693 0.114 \$ 2418 1.861 0.305 \$ 2,112 \$ 24,13 \$ 3,167 \$ 2,212 \$ 3,215 \$ 3,157 \$ 3,157 \$ 3,157 \$ 3,215 \$ 3,155 \$ 3,15	\$ \$ \$ 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0.320 2,636 2,933 3.02 2019 0,719 0,719 0,719 0,719 0,719 0,719 0,719 0,719 0,719 0,719 0,719 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Coleman 3	Total Emissions Cost (\$000) Emit Cost per MWh SO2(ktons) SO2 Emit Rate SO2 cost(\$000) NOx (ktons) NOx Emit Rate NOx cost(\$000) Total Operating Cost (\$000) Op Cost per MWh Total Emissions Cost (\$000) Emit Cost per MWh SO2(ktons) SO2(ktons) SO2 Emit Rate SO2 cost(\$000)	\$	3,815 4,472 4,24 2015 0.677 0.114 614 1.813 0.305 3,389 23,13 4,003 3.65 25,379 23,13 4,003 3.65 	\$ 2,912 \$ 3,358 \$ 3,93 		0.320 3.383 3.841 3.56 2017 0.744 0.114 460 1.995 0.306 3.241 28,518 23.66 3.701 3.07 2017 0.001 0.002 0.002 0.062 0.149	0.320 \$ 3,284 \$ 3,518, \$ 328 \$ 328 \$ 22018 0.693 0.114 \$ 2,2018 \$ 2,7,122 \$ 2,212 \$ 3,115 \$ 3,0000 \$ 0,0004 \$ 0	\$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$           \$         \$	0.320 2,836 2,933 3.02 2019 0.719 0.114 105 2,922 28,442 24.40 3,027 2,60 2019 2019	202# 0.320 \$ 3,083 \$ 3,182 \$ 3,04 	*	2.057 0.321 3,132 3,230 3.05 2021 0.643 0.114 86 0.307 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 2,632 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							····		1			1				
EntityName			2015	Sated	2016	ŕ	2017	2018	È	2019	2020	t · · ·	2021	27.18-2022		2023
Reid GT	SO2(ktons)			20102				a tha an that		-	1		-	salah isterizai		-
	SO2 Emit Rate			20.0	2.2		-	ge her s			包括能力的	·	-	这族的行动。		-
·	SO2 cost(\$000)	\$	0	<b>.</b>	0	\$	0	\$	\$	0	• <b>*</b>	\$		\$ 0	\$	0
	NOx(ktons)		0.006	0.3	0.007	<u> </u>	0.009	0.007	<del></del>	0.006	0.007		0.007	0.007	<u> </u>	0.007
	NOX Emit Rate		0.150		0.150		0.150	0.150		0.150	0.150		0.150	0.150		0.150
	NOx cost(\$000)	\$		\$	12	\$	14	\$ 11	\$	10				\$ 11	ŝ	11
	110x (D3q,4000)	*	24			<u> </u>		re in tare es			Augent Street and	<u> </u>		and the second section of the		
······,·······························	Total Emissions Cost (\$000)	\$	12	64.33	12	\$	14	S. 10 11	\$	10	\$ 10	\$	-10	<b>**</b> 31	\$	11
	Emit Cost per MWh	\$		1.2	1:36			1\$0 9.1:23			\$ 1.18			\$ 1.17		1.18
	chile Cost per Plant	- 7	1.44	a aproxim		*	4,40		<u> </u>		1	7	. 1.17	1	T.	
						+	****					+				
Cable diamo		-	2015	a	2016		2017	ः २२,२४२२२२११		2019	5.97 FC 2020	-	2021	2022	İ	2023
EntityName		ļ				<b>1</b>		1.872		2.015	3/5/1/932	<b>1</b>	2.055	1.665		2,048
Green 1	SO2(ktons)		2.080	1 . Tab	1.873	(	2.049	0.195					0.195	0.195	·	0.195
	SO2 Emit Rate	4		-10.55 - <b>5</b> 5	1,421	-	0.195			0.195	0.195 \$ 265			4 185	\$	215
<b></b>	SO2 cost(\$000)	\$		 		\$	1,266	\$ 668	\$			\$			<u> </u>	2.895
	NOx(ktons)	<b> </b>	2.943	31E	2.640		2.893	2.615 0.272		2.894	.2.726	ş	2,901	2:327		0.276
	NOx Emit Rate	-	0.275	ð 23		<u> </u>	0.275			4,370	0.275	- 	0.275	0.272	;	4,421
	NOx cost(\$000)	\$	5,500	<b>:</b>	4,614	\$	4,701	\$0. 4,103	\$	4,370	\$21.4,146	\$	4,418	\$ 3,548	*	4,462
				Ng C	0 - 6.4	į	~ ~ ~ ~ ~ ~	10.101-1028			Sec. Astrony	<u></u>	4 600			A 696
	Total Emissions Cost (\$000)	\$			6,035		5,967	\$ 4,771	\$	4,668	\$ 4,411	\$	4,693	\$ 3,733 \$ 2,41		4,636 2,43
	Emit Cost per MWh	\$	3.80	Species;	3:46	\$	3.12	\$\$\$\$\$ <b>12.73</b>	\$	2,45	\$ 2,45	\$	2.45	(4)2010%Z(4)1;	*	2,43
ļ				ļ					. <u> </u>			ļ				
L				1					_			1				
EntityName		ļ	2015	74,738	2010	; 	2017			2019				∋¤:्∈ 2022		2023
Green 2	SO2(ktons)	Į	1.765	222	1.963	ij ,	1.805	1,867			1.926		1.879	1,970		1,873
	SO2 Emit Rate		0.195		0,195		0.195	0.195		0,195	1.195	<u> </u>	0.195	0.195		0.195
l	SO2 cost(\$000)	\$	1,601	- 183	1,490	\$	1,115			242	*\$264	\$	252	\$ 219	<u>\$</u>	197
l	NOx(ktons)	l	2.456	- 6	2.751		2.542	2.635		2,315	2,709		2.627	2.771		2.627
	NOx Emit Rate	<b>.</b>	0.271		0.273	{ 	0.275	0.272	\. 	0.273	0.274		0.273	0.274		0,274
	NOx cost(\$000)	\$	4,590	\$	4,808	\$	4,131	\$ 4,134	\$	3,496	\$ 4,120	\$	4,001	\$ 4,225	\$	4,012
		<u> </u>		9.76		<u> </u>			<u>j.</u>		的新聞的	// }		的规律		
	Total Emissions Cost (\$000)	\$	6,191	3 <b>1</b> 12	6)298		5,246	\$ 4,807		3,738	\$ 4,384		4,253	\$ 4,444	\$	4,209
	Emit Cost per MWh	\$	3.80	35%	3:48	\$	3.15	\$\$ 2.75	× \$	2,45	\$ 2.47	\$	2.46	\$	\$	2.44
		I		ļ				1				_		ļ	1	
		1		1		1		<u> </u>	1					1	1	
							2017	2018	3	2019		1	2021			2023
Total	SO2(ktons)		20.336	50	20:806	đ	19.359	<u></u> 20:823	<u> </u>	19.986	20.516	Ý.,	20.501	20.755	( <u> </u>	20.354
	SO2 Emit Rate		0.296	236	-0.301	<u>.</u>	0.288	0/300		0.297	0.298	(	0.296	0.301	<u> </u>	0.294
	502 cost(\$000)	\$	18,445	:\$%	15,792		11,964	\$ 7,434		2,918	\$ 2,811	\$	2,747	\$ 2,304		2,137
	NOx(ktons)	L	13.416	37	13.290		13.315	13:361		13,114	13.466	÷	13.489	13.237	-	13.588
	NOx Emit Rate		0.195		0:192		0.198	0.193		0.195	0.196		0.195	0.192		0.197
	NOx cost(\$000)	\$	25,074	9 <b>5</b> 1	23,230	\$	21,636	\$ 20,964	\$	19,803	\$ 20,481	1	20,544	\$ 20,186	\$	20,749
Γ	1	T		6152	1 19 10 11	K		的复数制刷	i.					1.111111111111111111111111111111111111	1.	
	Total Emissions Cost (\$000)	\$	43,519		39,021			\$		22,721				\$ 22,490		22,886
	Emit Cost per MWh	\$	3,47	<b>4</b> \$%	3.09	\$	2.75	\$ 0.2/25	\$	1.86	\$ 1.86	\$	1.85	<b>\$\$</b> \$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	\$	1.82
[					99 - 14Co -	V.		S. S. Market				8		9967月1日日		
1	SO2 Allowances (000 Tons)		52.487	3433	52,487		52.487	52.487		52.487	52,487	2	52.487	52.487		52.487
1	SO2 Allowance Price per Ton		317	<b>\$</b>	265		216	\$ 125		51	48		47	\$ 39		37
1	SO2 Allowance Value (\$000)		(16,643)	<b>) \$</b> }	(13,933	)\$	(11,350)	) \$ (6,552	)\$	(2,683)	\$ (2,511	) \$	(2,468)		) \$	(1,920)
	NOx Allowances (000 Tons)		9,285		9.285	2	8.832	8,638	1	8.494	8.289	1	8.054	7.832		7.760
	NOx Allowance Price per Ton	\$	1,869	<b>\$</b>	1,748	\$	1,625	\$ 1,569	\$	1,510	\$ 1,521		1,523	\$ 1,525		1,527
[	NOx Allowance Value (\$000)	\$	(16,721)	) 🛟	(15,637	)\$	(13,802)	) \$ (13,014	)\$	(12,313)	\$ (12)085	) \$	(11,748)	\$ (11,427	).\$	(11,333)
<u> </u>	1	1		7997	NS ST	1		Association and	h.t		Sector States	3		1.00(22).02	ż.	
			0 100	33.3	(8)934	1 A	7 074	\$ 8,353	\$	7 270	\$ 8,237	*	9 679	\$8,573	đ	9,173
1	Net Emissions Costs	\$	9,596		<	· 3-	/.9/4	- <b></b>				° 3	0.020		··	A

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#### Outage Report annual output - 12-15-07.xis.xis

		1	2009	2010	2011	2012	2013 2013
intityName		2008	417		417	417	417 417
B Wilson 1	Max Capacity(MW)	419	325 %	325	325	325	325 32
	Min Capacity(MW)	3,078	2,967	3,331	3,109	3,297	2.949 3.3
	Generation(GWh)		1,248	168	672	168	672 11
	Planned Outage Hours	672 351	350	350	350	351	350 350
·	Forced Outage Hours		4.0%	4.0%	4.0%	4.0%	4.0%
	FOR - %	4.0%		11	10	10	9
- <u> </u>	Num starts(.)		10		<u> </u>		56
•	Start Fuel used(GBtu)		66	72		52	
	Start cost(\$000)	_(\$≪iZ,205i \$				a second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	
		94.94%	99.35%	95.92%	96.36%	95.94%	91.41% 95.3
		:2000	2000	2010	20111	Sec. 2012	2013 1.0049/21
ntityName		2008			ينك ويوجد ومرجد ويسترونها		152
IMPL 1.	Max Capacity(MW)	153	153	152		152 140	and the second second second second second second second second second second second second second second second
	Min Capacity(MW)	110	140	140	140	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
	Generation(GWh)	4,210	1,123	1,203	1,038	1,2路_	1,142 4;2
•	Planned Outage Hours		744		1,176		504
	Forced Outage Hours	615	613	613	61.3	615	613 5
	FOR - %	7.0%	7.0%	7:0%	7.0%	7:0%	7.0%
	Num starts(.)	16	15	16	21	的公司(13)	14
	Start Fuel used(GBtu)	29	28	<b>30</b>	38	· 24	26
	Start cost(\$000)	_s≦≦916⊢ \$	900 -	\$ 954	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec	1	\$ 842 \$ 5
		97.25%	99.31%	97.06%	97.81%	97.91%	98.18% 97.8
			T				
ntityName		¥∞,⊴∿ <b>200</b> 8	2009	2010		2012	2013
IMPL 2	Max Capacity(MW)	(15 <b>9</b> )	158	158	158	asso (1 <b>5</b> 8)	15B 350 80 80 80 80 80 80 80 80 80 80 80 80 80
	Min Capacity(MW)	110	140	140	140	140	140
	Generation(GWh)	(h)1,133	1,266	1,175	1,256	1.058	1,252
	Planned Outage Hours	768	• 5	504	- 3	1,176	
ii	Forced Outage Hours	703	701	701	701	703	701
	FOR - %	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%
	Num starts(.)	19	17	18	17	23	17
	Start Fuel used(GBtu)	36	34	37	34	44	34
	Start cost(\$000)	\$ 11161 \$		\$ 1,189		\$ 1,425	\$ 1,088 \$ 1,1
	Start Cos((\$000)	97.90%	99.39%	98,29%	98.48%	97.15%	98.24% 98.7
		97.90%	99.3970	30,2370	50.40 %	57.25.70	2012 110 2011
Entite diamo		1740 a <b>2008</b>	2009	新教新 <b>2010</b>	2011	2012	2013 25/0332
EntityName	Mary Course structure	150	149	MM	149	149	149
Coleman 1	Max Capacity(MW)	70	70	1.70	70	70	70
	Min Capacity(MW)	1,025	1,180	1,179	1,125	1 186	1,171
	Generation(GWh)		1,200		600	臺口的自己的	
	Planned Outage Hours	d1176	613	613	613	615	613
	Forced Outage Hours	615	7.0%	7.0%	7.0%	7.0%	7.0%
	FOR - %	7.0%		17		5.515	15
	Num starts(.)		17		15	24	24
	Start Fuel used(GBtu)	22	27	27	25		
-	Start cost(\$000)	\$ 390 \$	481	\$ 484		4.	
		98.02%	97.23%	97.09%	100.08%	97.76%	96,48% 99.0
· · · · · · · · · · · · · · · · · · ·			2000	0010	2014	1	2013 3. 21936
EntityName		<u>⊜⊴≥⊸⊴2008</u>	2009	2010	2011	2012	
Coleman 2	Max Capacity(MW)		138	138	138	138	138
	Min Capacity(MW)		70		70	70	70
	Generation(GWh)	1,088	1,092	1,010	1,032	1,002	977
	Planned Outage Hours		-	600			600
	Forced Outage Hours	615	613	613	613	615	613
	FOR - %	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%
	Num starts(.)	16	16	15	15	15	15
	Start Fuel used(GBtu)		25	23	24		25
······	Start cost(\$000)	\$ 454 \$	457	\$ 412	\$ 445	\$ 440	
	1	96.12%	97.10%	96.99%	91.83%	89.13%	93.84% 86.
EntityName	T T	@ @::43e- <b>2008</b>	2009	2010	2011	2012	2013 - ****
Coleman 3	Max Capacity(MW)	104.585/st 55%	154	154	154	area 7 2 <b>154</b>	154
- 101101 J	Min Capacity(MW)	110	110	110		110	110
	Generation(GWh)	1,233	1,133	1,207*		1,001	1,220
	Planned Outage Hours		600	Contraction of the second second second second second second second second second second second second second s	A CARACTER	1,176	
	manneo ourage mours	703	701		- ANGERGER (* 1955) 701	5. 76. 703	701
	Forend Outpor Union		///1				8.0%
	Forced Outage Hours		8 004	190.6	· 8019/6		
	FOR - %	8.0%	8.0%			8.D% 23	
	FOR - % Num starts(.)	8.0%	19	19	16	.23	14
	FOR - % Num starts(.) Start Fuel used(GBtu)	8.0% 18 26	19 27	19 27	16 22	23 31	<u>14</u> 20
	FOR - % Num starts(.)	8.0%	19 27	19 27 \$ 482	16 22 \$ 404	23 31 \$ 560	<u>14</u> 20

#### Outage Report annual output - 12-15-07.xls.xls

EntityName	T	a 315	008	2009	2. SA.	2010	2011	20	12	2013	- 2014
Reid ST	Max Capacity(MW)	1.000	50	50		50	50		0	50	50
	Min Capacity(MW)	6.8997.	40	40	са	640	40		0	40	40
	Generation(GWh)		94	22	180	3	68	等效性	F:	18	23
	Planned Outage Hours		504	-		.504					
	Forced Outage Hours		878	876		876	876	87	8	876 -	876
	FOR - %		.0%	10.0%		10.0%	10.0%	10.0		10.0%	10.0%
	Num starts(.)		16	6	$\{ i \} \}$	10018	14	3	<u> </u>	7	34-35 T
	Start Fuel used(GBtu)	Sall Sall	15		80	2.4	13	1917		7	7
	Start cost(\$000)	\$3.444			\$		\$ 431		ें इ	· · · · · · · · · · · · · · · · · · ·	\$ 223
			152	\$ 105		1		ya <b>p</b> era sua= :	,	2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2	
	_	·									
EntityName		149435	200B	2009	ر د در دان	2010	2011	2006-0 <b>20</b>	12	2013	2014
Reid GT	Max Capacity(MW)	Viscoverse Viscoverse	65	65		65	65		55.	65	CANNON 65
rteita GT	Min Capacity(MW)		164	v		6.68.63	······································	3. S. S.			MR. MALES
	Generation(GWh)		122	3	- A.	4	6		8	7	9
					7.4	स्ति विद्यालय का जनसम्बद्धाः	<u> </u>	All States and	den al		
	Planned Outage Hours				965	AN PARTY		S. Star	(j	*	的情况
	Forced Outage Hours		<b>又為</b> -	-	6.36	h Sail					and the second
	FOR - %		<u>(</u> ]]?	<b>.</b>	time of	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	*	S. Consta	×8.—		AND AND A
	Num starts(.)		76		<u> </u>	1.7. 5%	-	く 信 符	ine Li Suur		
·	Start Fuel used(GBtu)	HARD BAR			33 F		~	122/2114 22	uni Worre	-	0
	Start cost(\$000)	<b>(\$</b> 許) (新		\$ -	:\$	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	\$ ~	<b>:</b>	\$	; -	( <b>\$</b> ):~1.1440}
								<u> </u>			
EntityName		estion 1.2	2008	2009	5.9K ()	∞∂2010	2011	1 1891) (05 <b>2</b> [	12	2013	a. com <b>201</b>
Green 1	Max Capacity(MW)		231	231	North L	231	231	Media 2		231	ww.~~
Gieen E	Min Capacity(MW)		180	180	Silter	180	180	汤油 法		180	1/ 0 0 180
	Generation(GWh)		848	1.947	3.00	1,779	1,911	1:8		1.848	1,636
<u>.</u>	Planned Outage Hours		504		166	672			14		1.224
	Forced Outage Hours		290	289	111	2891	289		90 	289	2B9
	FOR - %		3.3%	3.3%	- 243	3.3%	3.3%		1%	3.3%	3.39
		1974 - 2014 1974 - 2014 1974 - 2014		7	311	8	13		14	13	18
	Num starts(.)			17		21			32	27	1.611
·	Start Fuel used(GBtu)	1.100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 1	27		200 (200 201 (201 (201 (201 (201 (201 (201 (201 (	678	26 \$ 833				- 16 A - 17
	Start cost(\$000)	and an an an an an an an an an an an an an	551		23940			1,0			
		100.	42%	99.48%		98.76%	97.68%	98.2	1%	94.43%	97.75%
EntityName		建山田市	2008	2009	822	2010	2011	1991 - 1920	12	2013	orgo: 201
Green 2	Max Capacity(MW)	4500584	2231	. 223	1025	223	223	-24930-2	23	223	223
	Min Capacity(MW)		180	180	<b>~</b> 390)	180	180	的過機	80	180	180
	Generation(GWh)		801	1.699	140	1,835	1,493	798 217	99	1,722	1,855
	Planned Outage Hours		336	792		4.413.8	1,176		1462	504	
	Forced Outage Hours		290	289		289	289	2	90	289	289
	FOR - %	144 A 144	3.3%	3.3%	<u></u>	3.3%	3.3%	200 C 10	3%	3.3%	C3 39
	Num starts(.)		(n. 1991)	8		8	20		13	15	
	Start Fuel used(GBtu)		25	25		27	58		26	41	1.4403.25
	Start cost(\$000)	AS NOT		house and have been been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and have been and h	25	1869	\$ 1,864		39	\$ 1.319	
	Start Cost(\$000)		.30%			97.14%	91.81%			96.94%	98.189
	·		00 10								
	1	S12176			100	2010	2011			2013	201
Total	Max Capacity(MW)		743	1,738	- 33	1,737	1,737	1,7		1,737	1,737
	Min Capacity(MW)		,070;	1,255	97.A.	1,255	1,255	. 1 <b>/2</b>		1,255	1,255
	Generation(GWh)		511.	12,431	in Sec.	12,726	12,253	42,3		12,308	12,537
	Planned Outage Hours		,960			2,448	3,624	3,0		2,280	2,400
			600	# D/C	1.1.1.1.		E 0.46	1. A. A. A. A. A. A. A. A. A. A. A. A. A.	10	0010	5,040
	Forced Outage Hours		,060	5,046		5,046	5,046	5,0		5,046	
			,060 6.4%			5,046 6.4%			60 4%	5,046	6.49
······································	Forced Outage Hours FOR - %							6.			
······································	Forced Outage Hours		6.4%	6.4%		6.4%	6.4%	6. 1	4%	6.4%	6.49

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#### Outage Report annual output - 12-15-07.xls.xls

		1 DOLES	2016	2012	2010	2010	20201	7024	2022	
EntityName	New Course Vision William		2016	2017	2018	2019	2020	2021	2022	2023 417
D B Wilson 1	Max Capacity(MW)	417	417	417	417 325	417	417 325	417	325	325
	Min Capacity(MW)	325	325	325					3:371	
	Generation(GWh)	3,196	3,380	2,904	3,380	3,201	3,369	3,216		3,191
	Planned Outage Hours	672	168	1,224	168	672	168	672	168	672
	Forced Outage Hours	350	351	350	350	350	351	350	350	350
<u>·</u>	FOR - %	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%
	Num starts(.)	9	10	14	18	10	10	9	.10	10
	Start Fuei used(GBtu)	50	52	81	45	57	54	50	52	. 58
	Start cost(\$000)	\$ 1,654	\$5.1,7.67	i i i i i i i i i i i i i i i i i i i	\$301,633	\$ 2,085	\$ 2,027	\$ 1,935	\$ 2,068	\$ 2,391
		99.06%	98.37%	96.91%	98.35%	99.22%	98.05%	99.67%	98.10%	98,90%
			10044		10010	2010		2024	20201	0000
EntityName		2015	2016		2018 (alternative)	2019		2021	36 A Sec. 2022	2023
HMPL 1	Max Capacity(MW)	152	152	152	1961 152	152	Carrier <b>152</b>	152	26 Proc 152	152
	Min Capacity(MW)	140	<b>140</b>	140	140	.140	S 140	140	·:::: 140	140
	Generation(GWh)	1,122	1,197	1,119	1,226	1,051	1,116	1,160	1,224	1,122
	Planned Outage Hours	504		672		1,176	672	504	Strugger -	672
	Forced Outage Hours	613	615.	613	613	613	615	613	613	613
	FOR - %	7.0%	7:0%	7.0%	7.0%		7.0%	7.0%	7,0%	7.0%
N	Num starts(.)	15	S	14		21	14	· 13	R . 15	13
	Start Fuel used(GBtu)	-28	- 28	26	23	38	26	24	28	24
	Start cost(\$000)	\$ 943	\$ 963	\$ 903	\$ 837	\$ 1,402	\$. 980	\$ 915	\$ 1/127	\$ 969
		96.49%	96.57%	98.37%	98.91%	99.08%	98.12%	99.72%	98.72%	98.63%
		1				Į			1	
EntityName		2015	A 19-14-2016	2017	2018		2020	2021	2022	2023
HMPL 2	Max Capacity(MW)	158	· 注意: 158 ·	158	158	158	· (v) (c) = 158 ·	158	158	158
	Min Capacity(MW)	140	140	140	140	140	140	140	140	140
	Generation(GWh)	1,261	1,173	1,246 :	1,149	1,222	1,047	1,254	1,190	1,224
	Planned Outage Hours	-	504	-	672		1,176	-	504	-
	Forced Outage Hours	701	703	701	701	701	703	701	Yerri - 701	701
·	FOR - %	8.0%	18:0%	8.0%	8.0%	8.0%	8.0%	8.0%	A	8.0%
	Num starts(.)	13	17	17	· 通信部件 17	17	24	17	1888 W.	17
	Start Fuel used(G8tu)	24	34	33		34	48	34	34	33
	Start cost(\$000)	\$ 810	\$ 1,172	\$ 1,160	\$ 1,230	\$ 1,262	\$ 1,806	\$ 1,301	\$ 1,362	\$ 1,352
		98.89%	98,19%	97.69%	98.35%	95.88%	96.20%	98.32%	99.58%	95.01%
EntityName		2015	2016	2017	a, U-2018	2019	:@?.// <b>≈2020</b>	2021	&\\?!!!\ <b>2022</b>	2023
EntityName Coleman 1	Max Capacity(MW)	2015 149	2016 z	2017 149	2018 149	2019	2020 2020	2021 149	2022 149	2023 149
	Max Capacity(MW) Min Capacity(MW)									
		149	149	149	149	- 149		149	149	149
	Min Capacity(MW)	149 70	149 (170	149 70	, 149 70 1,173	149 70 1,192	149 570	149 70	149 70	149 70
	Min Capacity(MW) Generation(GWh)	149 70 1,200	149 (170	149 70 1,019	149 70	149 70 1,192	149 570 1,132	149 70	149 70	149 70 1,111
	Min Capacity(MW) Generation(GWh) Planned Outage Hours	149 70 1,200	149 70 1,194	149 70 1,019 1,176 613	, 149 70 1,173	149 70 1,192 613	149 570 1,132 504	149 70 1,194 - 613	149 70 1,193 613 7,0%	149 70 1,111 504
	Min Capacity(MW) Generation(GWh) Planned Outage Hours Forced Outage Hours	149 70 1,200 - 613	149 70 1,194 615	149 70 1,019 1,176 613	149 70 1/173 613	149 70 1,192 613	149 70 1,132 504 615	149 70 1,194 - 613 7.0% 15	149 70 1,193 613	149 70 1,111 504 613 7.0% 15
	Min Capacity(MW) Generation(GWh) Planned Outage Hours Forced Outage Hours FOR - %	149 70 1,200 - 613 7.0%	149 70 1,194 615 7,0% 15 23	149 70 1,019 1,176 613 7.0% 18 28	1/173 613 70 1/173 613 7.0% 15 24	149 70 1,192 613 7.0% 15 24	149 570 1,132 504 615 7,0% 15 24	149 70 1,194 - 613 7.0% 15 23	149 70 1,193 	149 70 1,111 504 613 7.0% 15 25
	Min Capacity(MW) Generation(GWh) Planned Outage Hours Forced Outage Hours FOR - % Num starts(.)	149 70 1,200 - 613 7.0% 15	149 70 1,194 615 7,0% 15	149 70 1,019 1,176 613 7.0% 18	1/173 613 7.0% 1/173	149 70 1,192 613 7.0% 15 24	149 70 10192 504 615 7,0% 15	149 70 1,194 - 613 7.0% 15 23	149 70 1,193 	149 70 1,111 504 613 7.0%
	Min Capacity(MW) Generation(GWh) Planned Outage Hours Forced Outage Hours FOR - % Num starts(.) Start Fuel used(GBtu)	149 70 1,200 - - - - - - - - - - - - - - - - - -	149 70 1,194 615 7,0% 15 23	149 70 1,019 1,176 613 7.0% 18 28 \$ 543	1/173 613 70 1/173 613 7.0% 15 24	149 70 1,192 613 7.0% 15 24 \$ 488	149 570 1,132 504 615 7,0% 15 24	149 70 1,194 - 613 7.0% 15 23	149 70 1,193 	149 70 1,111 504 613 7.0% 15 25
	Min Capacity(MW) Generation(GWh) Planned Outage Hours Forced Outage Hours FOR - % Num starts(.) Start Fuel used(GBtu)	149 70 1,200 - - 613 7.0% 15 24 \$ 445	149 70 1,194 615 7,0% 15 23 \$ 145	149 70 1,019 1,176 613 7.0% 18 28 \$ 543	149 70 1/173 613 .2.0% 15 24 \$ 480	149 70 1,192 613 7.0% 15 24 \$ 488	149 570 1,132 504 615 7,10% 15 24 \$ 518	149 70 1,194 - 613 7.0% 15 23 \$ 512	149 70 1,193 613 7.0% 15 24 \$ 535	149 70 1,111 504 613 7.0% 5 15 25 \$ 575 97.56%
	Min Capacity(MW) Generation(GWh) Planned Outage Hours Forced Outage Hours FOR - % Num starts(.) Start Fuel used(GBtu)	149 70 1,200 - - 613 7.0% 15 24 \$ 445	149 270 17,194 615 7:0% 15 23 25 445 98.37%	149 70 1,019 1,176 613 7.0% 18 28 \$ 543 98.06%	149 70 1/173 613 .2.0% 15 24 \$ 480	149 70 1,192 613 7.0% 15 24 \$ 488 98.21%	149 570 1,132 504 615 7,10% 15 24 \$ 518	149 70 1,194 - 613 7.0% 15 23 \$ 512	149 70 1,193 613 7.0% 15 24 \$ 535	149 70 1,111 504 613 7.0% 15 25 \$ 575
Coleman 1	Min Capacity(MW) Generation(GWh) Planned Outage Hours Forced Outage Hours FOR - % Num starts(.) Start Fuel used(GBtu)	149 70 1,200 - - 513 7.0% 15 24 \$ 445 98.89%	149 270 17,194 615 7:0% 15 23 25 445 98.37%	149 70 1,019 1,176 613 7.0% 18 28 \$ 543 98.06%	149 70 1173 613 .2.0% 15 .24 \$ 480 95.67% 2016 .138	149 70 1,192 613 7.0% 15 24 \$ 488 98.21% 3 2019 138	149 570 1(132) 504 615 7,0% 15 24 \$518 99,41% 99,41% 2020 138	149 70 1,194 - 613 7.0% 15 23 \$ 512 98.39% 98.39% 2021 138	149 70 1,193 613 7.0% 15 24 \$ 535 98.29% 98.29% 2022 138	149 70 1,111 504 613 7.0% 5 15 25 \$ 575 97.56%
Coleman 1	Min Capacity(MW) Generation(GWh) Planned Outage Hours Forced Outage Hours FOR - % Num starts(.) Start Fuel used(GBtu) Start cost(\$000)	149 70 1,200 - - 613 7,0% 15 24 \$ 445 98.89% 2015	149 270 17,194 615 7:0% 15 23 25 445 98.37% 2016	149 70 1,019 613 7.0% 18 28 \$ 543 98.06% 2017	149 70 1173 613 7.0% 15 24 \$ 480 96.67%	149 70 1,192 - 613 7.0% 15 24 \$ 488 98.21% 98.21% 2019 138 70	149 70 1,132 504 615 7:0% 15 24 \$ 518 99.41%	149 , 70 1,194 - - 523 \$ 512 98.39% 2021 138 70	149 70 4,193 613 7,0% 15 24 \$ 535 98,29% 98,29%	149 70 1,111 504 613 7.0% 15 25 \$ 575 97.56% 2023 138 70
Coleman 1	Min Capacity(MW) Generation(GWh) Planned Outage Hours Forced Outage Hours FOR - % Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Max Capacity(MW)	149 70 1,200 - 613 7,0% 15 24 \$ 445 98.89% 	149 570 1,194 615 7,0% 15 23 \$ 145 98.37% 98.37% 2016 138	149 70 1,019 513 7.0% 18 28 \$ 543 98.06% 2017 138	149 70 1173 613 .2.0% 15 .24 \$ 480 95.67% 2016 .138	149 70 1,192 - 613 7,0% 115 24 \$ 488 98,21% 98,21% 3 2019 138 70 971	149 570 1(132) 504 615 7,0% 15 24 \$518 99,41% 99,41% 2020 138	149 70 1,194 - 613 7.0% 15 23 \$ 512 98.39% 98.39% 2021 138	149 70 1/133 613 7:0% 15 24 \$ 535 98,29% 2022 138 2022 138 200 984	149 70 1,111 613 7.0% 515 25 \$ 575 97.56% 2023 138
Coleman 1	Min Capacity(MW) Generation(GWh) Planned Outage Hours Forced Outage Hours FOR - % Num starts(.) Start Fuel used(GBtu) Start Fuel used(GBtu) Start cost(\$000) Max Capacity(MW) Nin Capacity(MW)	149 70 1,200 - 513 7,0% 15 244 \$ 445 98.89% 2015 138 70	149 70 1,194 615 72,0% 115 23 25 445 98.37% 2016 138 70	149 70 1,019 613 7.0% 18 28 \$ 543 98.06% 2017 138 70 1,078	149 70, 1,173 613 7.0% 24 4 4 480 95,67% 2016 138 70 1073	149 70 1,192 613 7,0% 15 24 \$ 488 98.21% 98.21% 98.219 138 70 971 600	149 700 1,152 504 615 7,0% 15 24, \$ 518 99,41% 2020 1,048 700 1,048	149 70 1,194 - 513 7.0% 15 23 \$ 512 98.39% 2021 138 70 1,061 -	149 70 1,193 613 7,0% 15 24 \$ 535 98,29% 98,29% 2022 138 700 984 504	149 70 1,111 504 613 7.0% 15 25 \$ 575 97.55% 2023 138 70 1,077
Coleman 1	Min Capacity(MW) Generation(GWh) Planned Outage Hours Forced Outage Hours FOR - % Num starts(.) Start Fuel used(GBtv) Start cost(\$000) Max Capacity(MW) Min Capacity(MW) Generation(GWh)	149 70 1,200 - 513 7,0% 15 244 \$ 445 98.89% 2015 138 70	149 70 1,194 615 77,0% 155 23 2\$ 445 98.37% 98.37% 2016 138 70 855 .1,176 615	149 70 1,019 1,175 613 7.0% 28 \$ 28 \$ 543 98.06% 98.06% 70 1,078  613	149 70 11173 613 7.0% 35 24 4 4 95.67% 95.67% 95.67% 1073 1073 1073 613	149 70 1,192 613 7,0% 15 24 \$ 488 98.21% 8 2019 138 70 971 138 70 971 600 613	149 570 1,152 504 615 7,0% 15 24 \$ 518 99.41% 1048 70 1,048 615	149 70 1,194 - - - - - - - - - - - - - - - - - - -	149 70 3,193 613 7,0% 5 24 \$ 535 98,29% 2022 138 70 98,4 98,29% 504 613	149 70 1,111 504 613 7.0% 575 \$ 575 97.56% 2023 138 70 1,077 - 613
Coleman 1	Min Capacity(MW) Generation(GWh) Planned Outage Hours Forced Outage Hours FOR - % Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Max Capacity(MW) Min Capacity(MW) Min Capacity(MW) Planned Outage Hours	149 70 1,200 - 613 7,0% 15 24 \$ 445 98.89% 2015 138 70 1,055 -	149 70 1,194 615 7,0% 15 23 \$ 445 98.37% 98.37% 2016 138 70 8855 1,176	149 70 1,019 613 7.0% 18 28 \$ 543 98.06% 2017 138 70 1,078 	149 70, 1173 613 70% 15 24 96,67% 99,67% 2016 138 700 1073 1073 1073 1073 1073	149 70 1,192 - - - - - - - - - - - - - - - - - - -	149 700 1,132 504 615 7,10% 15 24 518 99,41% 199,41% 10200 1388 700 1,7048 615 7,0%	149 70 1,194 - - - - - - - - - - - - - - - - - - -	149 70 1,133 613 7,0% 15 524 4 555 98,29% 2022 138 70 984 504 613 7,0%	149 70 1,111 504 613 7.0% 15 25 \$ 575 97.56% 2023 138 70 1,077 - 613 7.0%
Coleman 1	Min Capacity(MW) Generation(GWh) Planned Outage Hours FOR - % Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Max Capacity(MW) Min Capacity(MW) Min Capacity(MW) Planned Outage Hours Forced Outage Hours	149 70 1,200 - 613 7,0% 15 24 \$ 445 98.89% 2015 138 70 1,055 -	149 70 1,194 615 7,0% 15 23 25 445 98,37% 98,37% 98,37% 98,37% 98,37% 98,37% 1138 700 855 11376 615 7,0% 21	149 70 1,019 613 7.0% 18 28 \$ 543 98.06% 2017 138 70 1,078 - 613 7.0% 13	149 70, 1173 613 7.0% 15 24 3 40 95,67% 95,67% 138 700 3,073 3,073 3,073 15 5,0% 15 5,0% 15 5,0% 15 5,0% 15 5,0% 15 5,0% 15 5,0% 15 15 16 17 17 17 17 17 17 17 17 17 17 17 17 17	149 70 1,192 - 613 7,0% 15 24 \$ 488 98.21% 138 700 971 600 613 7,0% 15	149 700 1,152 504 615 7,0% 15, 24, 5 518 99,41% 2020 1,388 7,0% 6,15 7,0% 6,15 7,0%	149 70 1,194 - - - - - - - - - - - - - - - - - - -	149 700 1,193 613 7.0% 15 24 555 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,20%98,20% 98,20% 98,20% 98,20%98,20% 98,20% 98,20%99,20% 98,20% 98,20% 98,20%98,20% 98,20% 98,20%98,20% 98,20% 98,20%98,20% 98,20% 98,20%98,20% 98,20% 98,20%98,20% 98,20% 98,20%98,20% 98,20% 98,20%98,20% 98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 99,20% 99,20%99,20% 90% 90% 90% 90% 90% 90% 90% 90% 90% 9	149 70 1,111 504 613 7.0% 15 25 \$ 575 97.56% 2023 138 70 1,077 - - 613 7.0% 11
Coleman 1	Min Capacity(MW) Generation(GWh) Planned Outage Hours FORe - 0utage Hours FOR - % Num starts(.) Start Fuel used(GBtu) Start Start (000) Max Capacity(MW) Min Capacity(MW) Generation(GWh) Planned Outage Hours Forced Outage Hours Forced Outage Hours FOR - %	149 70 1,200 - - - - - - - - - - - - - - - - - -	149 270 1,194 615 7,094 15 23 25 4445 98.37% 98.37% 2016 138 70 855 1,176 615 72.0%	149 70 1,019 613 7.0% 18 28 \$ 543 98.06% 98.06% 98.06% 98.06% 1.078 - - 613 7.0% 7.0% 1.078 2012	149 70, 1,173 613 7.0% 15 24 4 3 480 95.67% 2016 138 70 1,073 1,073 613 2,0% 1,073 2,0% 1,073 2,0% 1,073 2,0% 2,0% 2,0% 2,0% 2,0% 2,0% 2,0% 2,0%	149 70 1,192 613 7,0% 15 24 \$ 488 98.21% 98.21% 98.21% 98.21% 98.21% 138 70 971 600 613 7,0% 15 25	149 570 1,152 504 615 7,0% 15 24 \$ 518 99.41% 22020 1,048 615 7,0% 14 615 7,0% 14 22	149 70 1,194 - 613 7.0% 15 23 \$ 512 98.39% 98.39% 98.39% 98.39% 98.39% 1.061 - - 613 7.0% 15 22	149 70 1,193 613 7,0% 15 24 5 555 98,29% 98,29% 138 7,0% 504 613 7,0% 15 504 613 7,0% 25	149 70 1,111 504 613 7.0% 15 25 \$ 575 97.55% 97.55% 2023 138 70 1,077 - 613 7.0% 11 18
Coleman 1	Min Capacity(MW) Generation(GWh) Planned Outage Hours Forced Outage Hours FOR - % Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Max Capacity(MW) Min Capacity(MW) Min Capacity(MW) Planned Outage Hours Forced Outage Hours FOR - % Num starts(.)	149 70 1,200 - 613 7,0% 15 24 \$ 445 98.89% 2015 138 700 1,055 - - - 613 7.0% 15	149 70 1,194 615 7,0% 15 23 25 445 98,37% 98,37% 98,37% 98,37% 98,37% 98,37% 1138 700 855 11376 615 7,0% 21	149 70 1,019 613 7.0% 18 28 \$ 543 98.06% 98.06% 98.06% 98.06% 98.06% 1.078 - - 613 7.0% 1.0% 1.0% 202	149 70, 1173 613 7.0% 15 24 3 40 95,67% 95,67% 138 700 3,073 3,073 3,073 15 5,0% 15 5,0% 15 5,0% 15 5,0% 15 5,0% 15 5,0% 15 5,0% 15 15 16 17 17 17 17 17 17 17 17 17 17 17 17 17	149 70 1,192 	149 700 1,152 504 615 7,0% 15, 24, 5 518 99,41% 2020 1,388 7,0% 6,15 7,0% 6,15 7,0%	149 70 1,194 - 613 7.0% 15 23 \$ 512 98.39% 98.39% 98.39% 98.39% 98.39% 1.061 - - 613 7.0% 15 22	149 700 1,193 613 7.0% 15 24 555 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,29% 98,20%98,20% 98,20% 98,20% 98,20%98,20% 98,20% 98,20%99,20% 98,20% 98,20% 98,20%98,20% 98,20% 98,20%98,20% 98,20% 98,20%98,20% 98,20% 98,20%98,20% 98,20% 98,20%98,20% 98,20% 98,20%98,20% 98,20% 98,20%98,20% 98,20% 98,20%98,20% 98,20% 98,20%98,20% 98,20%98,20% 98,20% 98,20%98,20% 98,20%98,20% 98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 98,20%98,20% 99,20% 99,20%99,20% 99,20% 90% 90% 90% 90% 90% 90% 90% 90% 90% 9	149 70 1,111 504 613 7.0% 525 \$575 97.56% 2023 138 70 1,077 - 613 7.0% 11 18 \$403
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Coleman 1	Min Capacity(MW) Generation(GWh) Planned Outage Hours Forced Outage Hours FOR - % Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Max Capacity(MW) Min Capacity(MW) Generation(GWh) Planned Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Forced F	149 70 1,200 - 613 7,0% 15 24 \$ 445 98.89% 2015 138 70 1,055 - 613 7,0% 613 7,0% 15 \$ 24 \$ 456	149 70 1,194 615 77,0% 155 23 25 445 98,37% 98,37% 2016 138 70 855 1,176 615 7,0% 21 32 2,0% 21 32 32 5 5,02%	149 70 1,019 1,175 613 7.0% 28 \$ 543 98.06% 98.06% 70 1,078 - - 613 7.0% 7.0% 1.3 7.0% 1.3 7.0% 1.3 7.0%	149 70, 1,173 613 7.0% 35 24 4 4 95.67% 95.67% 95.67% 95.67% 1073 1073 1073 1073 1073 1073 1073 1073	149 70 1,192 	149 570 1,152 504 615 7,0% 15 24 \$ 518 99,41% 1,0% 1,0% 615 7,0% 615 7,0% 14 4 222 \$ 462	149 70 1,194 - - 613 7.0% 15 23 \$ 512 98.39% 2021 138 70 1.061 - - 613 7.0% 515 24 \$ 534	149 70 3,193 613 7,0% 24 \$ 535 98,29% 2022 138 70 984 504 613 7,0% 613 7,0% 504 613 7,0% 504 613 7,0%	149 70 1,111 504 613 7.0% 525 \$575 97.56% 2023 138 70 1,077 - 613 7.0% 11 18 \$403
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Coleman 1	Min Capacity(MW) Generation(GWh) Planned Outage Hours FOR - % Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Max Capacity(MW) Min Capacity(MW) Min Capacity(MW) Generation(GWh) Planned Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Start Fuel used(GBtu) Start cost(\$000)	149 70 1,200 - 613 7,0% 15 24 \$ 445 98.89% - 2015 138 70 1,055 - 613 7,0% 15 5 24 \$ 456 93.80% -	149 70 1,194 615 7,0% 15 23 2\$ 445 98.37% 98.37% 98.37% 98.37% 98.37% 2016 855 1176 855 1176 855 219 22 32 32 32 32 32 32 32 32 32 32 32 32	149 70 1,019 613 7.0% 18 28 \$ 543 98.06% 70 2017 138 700 1,078 - 613 7.0% 138 7.0% 1,078 - 613 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 140 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 14	149 70, 1173 613 7.0% 15 24 4 96.67% 99.67% 2016 138 700 13073 7.0% 15 24 5 48 95.47% 95.47%	149 70 1,192 - 613 7,0% 15 24 \$ 488 98.21% 8 2019 138 70 971 600 613 7,0% 15 \$ 514 93.20% 8 2019 154 154 115	149 700 1,132 504 615 7,10% 15 24 518 99,41% 10200 138 70 1,7048 615 7,0% 14 22 23 4622 93,24%	149 70 1,194 - - - - - - - - - - - - - - - - - - -	149 70 4,193 613 7,0% 24 \$ 535 98,29% 2022 138 70 984 504 613 7,0% 613 7,0% 504 613 7,0% 504 613 7,0% 504 613 7,0% 504 613 7,0% 504 504 504 504 504 504 504 504 504 504	149 70 1,111 504 613 7.0% 15 25 \$ 575 97.56% 2023 138 70 1,077 - - 613 7.0% 110 1,077 - - 613 7.0% 111 18 \$ 403 95.77%
Coleman 1	Min Capacity(MW) Generation(GWh) Forced Outage Hours Forced Outage Hours FOR - % Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Max Capacity(MW) Min Capacity(MW) Romed Outage Hours FOR - % Num starts(.) Start fuel used(GBtu) Start fuel used(GBtu) Start fuel used(GBtu) Start fuel used(GBtu) Start cost(\$000) Min Capacity(MW) Generation(GWh)	149 70 1,200 - 613 7,0% 15 24 \$ 445 98.89% 2015 138 700 1,055 - - 613 7.0% 15 24 \$ 456 93.80% 2015	149 70 1,194 615 7,0% 15 23 23 445 98,37% 98,37% 98,37% 98,37% 98,37% 138 700 8855 1,176 615 7,0% 21 32 32 \$ 612 88,95% 88,95% 154 4 110 1,203	149 70 1,019 4,176 613 7.0% 18 28 \$ 543 98.06% 2017 138 70 1,078 613 7,0% 1,078 613 7,0% 1,078 4 389 95.91% 2017 154 2017	149 70, 1173 613 70% 15 24 \$ 480 95,67% 2016 138, 70 1007 138, 70 1007 138, 70 1007 138, 70 1007 138, 70 1007 138, 70 1007 138, 70 1007 1007 1007 1007 1007 1007 1007	149 70 1,192 - 613 7,0% 15 24 \$ 488 98.21% 8 2019 138 70 971 600 613 7,0% 15 \$ 514 93.20% 8 2019 154 154 115	149 700 1,132 504 615 7,10% 15 24 \$ 518 99,41% 2020 138 70 1,1048 615 7,0% 14 615 7,0% 14 22 2020 14 24 22 93,24% 93,24%	149 70 1,194 - - - - - - - - - - - - - - - - - - -	149 70 1,193 613 7.0% 15 24 535 98,29% 98,29% 70 984 504 613 7.0% 504 613 7.0% 504 613 7.0% 994 504 613 7.0% 994 504 613 7.0% 994 504 613 7.0% 994 504 613 7.0% 994 504 613 7.0% 994 504 613 7.0% 994 504 613 7.0% 994 504 7.0% 994 504 7.0% 994 504 7.0% 994 504 7.0% 994 505 505 7.0% 994 505 505 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 905 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 907 7.0% 907 907 7.0% 907 907 907 907 907 907 907 907 907 907	149 70 1,111 504 613 7.0% 15 25 \$ 575 97.56% 2023 138 70 2023 138 70 0 1,077 - - 613 7.0% 111 8 4 403 95.77% 2023 154
Coleman 1	Min Capacity(MW) Generation(GWh) Forced Outage Hours Forced Outage Hours FOR - % Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Max Capacity(MW) Min Capacity(MW) Generation(GWh) Planned Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Forced Outage Hours Force 0, % Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Max Capacity(MW) Min Capacity(MW)	149 70 1,200 - 613 7.0% 24 \$ 445 98.89% 2015 138 70 1,055 - 613 7.0% 15 24 \$ 456 93.80% 2015 15 4 15 4 5 24 15 15 4	149 70 1,194 615 7,0% 15 23 23 445 98,37% 98,37% 98,37% 98,37% 98,37% 138 700 8855 1,176 615 7,0% 21 32 32 \$ 612 88,95% 88,95% 154 4 110 1,203	149 70 1,019 613 7.0% 18 28 \$ 543 98.06% 70 2017 138 700 1,078 - 613 7.0% 138 7.0% 1,078 - 613 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 138 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 140 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 149 7.0% 14	149 70, 1173 613 7.0% 15 24 4 4 96,67% 9 5,67% 10 3,073 3,073 3,073 3,073 3,073 3,073 3,073 3,073 4,0 4,0 4,0 4,0 4,0 4,0 4,0 4,0 4,0 4,0	149 70 1,192 613 7,0% 15 24 \$ 488 98.21% 98.21% 98.21% 98.21% 98.21% 138 70 971 600 613 600 613 7,0% 15 5 25 \$ 514 93.20% 93.20% 154 110 1,166	149 700 1,152 504 615 7,0% 24 518 99,41% 7,0% 1388 7,0% 1,048 615 7,0% 615 7,0% 14 22 462 7,0% 14 22 23 462 12 2020 154 110 12020 154 110 12020	149 70 1,194 - 613 7.0% 15 23 \$ 512 98.39% 98.39% 2021 138 70 1,061 - 534 94.35% 15 24 \$ 534 94.35% 2021 154 110 1,041	149 70 1,193 613 7.0% 15 24 535 98,29% 98,29% 70 984 504 613 7.0% 504 613 7.0% 504 613 7.0% 994 504 613 7.0% 994 504 613 7.0% 994 504 613 7.0% 994 504 613 7.0% 994 504 613 7.0% 994 504 613 7.0% 994 504 613 7.0% 994 504 7.0% 994 504 7.0% 994 504 7.0% 994 504 7.0% 994 505 505 7.0% 994 505 505 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 994 7.0% 905 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 7.0% 907 907 7.0% 907 907 7.0% 907 907 907 907 907 907 907 907 907 907	149 70 1,111 504 613 7.0% 15 25 \$ 575 97.56% 2023 138 70 1,077 - 613 7.0% 11 18 \$ 403 95.77% 95.77%
Coleman 1	Min Capacity(MW) Generation(GWh) Planned Outage Hours Forced Outage Hours FOR - % Num starts(.) 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Coleman 1	Min Capacity(MW) Generation(GWh) Forced Outage Hours Force Outage Hours FOR - % Num starts(.) Start Fuel used(GBtu) Start cost(\$000) Max Capacity(MW) Min Capacity(MW) Planned Outage Hours FOR - % Num starts(.) 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Coleman 1	Min Capacity(MW) Generation(GWh) Planned Outage Hours FOR - % Num starts(.) 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#### Outage Report annual output - 12-15-07.xls.xls

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	Generation(GWh)		12,526	1	12,611		,218	12,630	2	12,244	12,516	12,599	12,559	12,582
	Planned Outage Hours		2,280	- 33	2,352		,576	2,184		3,624	3,024	2,856	2,352	2,352
	Forced Outage Hours		5,046	- 35	5,060		,046			5,046	5,060			
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				-34			3,640			9,431	\$ 8,530			
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1 2	BIG RIVERS ELECTRIC CORPORATION'S RESPONSE TO THE COMMISSION STAFF'S 2 <sup>nd</sup> SUPPLEMENTAL DATA REQUEST PSC CASE NO. 2007-00455 April 16, 2008
3	
4	Item 2) Are there any data or projections contained in Big Rivers' 2008-2010
5	Production Work Plan or its 2008-2010 Business Plan that differ from the data or
6	projections incorporated into Big Rivers' Unwind Financial Model filed as Exhibit 8 to
7	the Joint Application ("Exhibit 8") in this case? If yes, explain in detail each
8	difference and file revised copies of Exhibit 8 which reflect those differences.
9	
10	<b>Response)</b> The projections contained in the Big Rivers' 2008-2010 Production Work
11	Plan/Business Plan are consistent with the Big Rivers' Unwind Financial Model filed as
12	Exhibit 8, with the exception of the labor projections. The labor projections contained in
13	the 2008-2010 Production Work Plan include only the power plants' direct labor and do
14	not include any administrative labor or support labor. The Big Rivers Unwind Financial
15	Model filed as Exhibit 8 includes all administrative labor, support labor and plant direct
16	labor.
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18	Witness) Mark A. Bailey
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	Item 2 Page 1 of 1

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1 2	BIG RIVERS ELECTRIC CORPORATION'S RESPONSE TO THE COMMISSION STAFF'S 2 <sup>nd</sup> SUPPLEMENTAL DATA REQUEST PSC CASE NO. 2007-00455 April 16, 2008
3	
4	Item 3) a. For each of the following factors, state whether or not Exhibit 8
5	reflects the actual historic experience of Western Kentucky Energy Corp. derived from
6	operating the Big Rivers' generating units:
7	(1) Heat rate (i.e., Btu/kWh).
8	(2) Net capacity factor.
9	(3) Equivalent availability factor.
10	(4) Equivalent forced outage rate.
11	b. If yes, provide documentation of the actual historic experience
12	for each generating unit or indicate where in the record the documentation is located.
13	c. If no, provide a detailed analysis of the basis for the projections,
14	including an explanation of each assumption used, and indicate who prepared each
15	projection.
16	
17	<b>Response)</b> a. Exhibit 8 does not reflect WKEC's actual historic experience of
18	heat rate, net capacity factor, equivalent availability factor and equivalent forced outage
19 20	rate. Please see the attached table for a comparison of WKEC's ten year historical
20	averages versus Exhibit 8.
21	b. N/A
22 23	b. N/A
23 24	c. The Heat Rate, Net Capacity Factor, and Equivalent Availability
24	Factor are all results of the "Henwood" production model based on inputs provided by
26	the current plant management and the operating characteristics of the units that result in
20	more generation from the system than that experienced by WKEC. With that said, those
28	factors are not significantly different; however, a brief explanation of each factor is
29	described below.
30	
31	Heat Rate:
32	The heat rate in the Big Rivers model is slightly higher (152 Btu/kWh) than the WKEC
33	historical average. This is due to the additional auxiliary power (12MW) required to
	Item 3 Page 1 of 2

# Item 3 Page 1 of 2

## BIG RIVERS ELECTRIC CORPORATION'S RESPONSE TO THE COMMISSION STAFF'S 2<sup>nd</sup> SUPPLEMENTAL DATA REQUEST PSC CASE NO. 2007-00455 April 16, 2008

operate the Coleman FGD, which was installed in 2006. This auxiliary power is provided from Coleman Unit 2.

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# Net Capacity Factor:

8 The net capacity factor in the Big Rivers model is slightly higher (3.1%) than the WKEC
9 historical average. Net capacity factor is calculated by net actual generation divided by
10 the net maximum generation; thus the Big Rivers net capacity factor is higher due to the
11 higher projected generation levels.

12

# 13 Equivalent Availability Factor:

The equivalent availability factor in the Big Rivers model is slightly higher (2.3%) than
the WKEC historical average. This slight increase is due to the reduction in the
equivalent forced outage rate. A lower equivalent forced outage rate will increase the
unit availability.

18

# 19 Equivalent Forced Outage Rate:

The equivalent forced outage rate in the Big Rivers model is slightly lower (.4%) than the
WKEC historical average. The lower forced outage rate is expected due to the capital
improvements budgeted in the 2008-2010 Production Work Plan. The improvement in
the forced outage rate will be primarily at the Wilson Station. The historical forced
outage rate at Wilson is driven from superheater tube leaks, waterwall tube leaks and
6.9kV electrical failures. Funding to address all of these items is included in the 20082010 Production Work Plan/Business Plan.

27 28

Witness) Mark A. Bailey

	Hea	t Rate	Net Capaci	ty Factor (%)	Equivalent A	vailability Factor (%)	Equivalent Forced Outage Rate (%		
Unit	WKE 10 year average (1998-2007)	Big Rivers Model (2008-2023)	WKE 10 year average (1998-2007)	Big Rivers Model (2008-2023)	WKE 10 year average (1998-2007)	Big Rivers Model (2008-2023)	WKE 10 year average (1998-2007)	Big Rivers Model (2008-2023)	
Coleman 1	10,660	10,787	74.00	88.06	88.10	89.82	4.18	5.00	
Coleman 2	10,932	12,053	72.72	84.57	86.60	90.52	3.26	5.00	
Coleman 3	10,566	10.823	69.35	86.45	86.50	98.11	6.45	6.00	
Green 1	10,966	11,025	85.23	90.15	92.30	92.71	2.58	2.25	
Green 2	11.075	11,150	84.34	88.30	91.40	92.18	1.72	2.25	
HMP&L 1	10,669	10,827	78.10	86.53	86.70	88.28	5.81	5.00	
HMP&L 2	10,892	10,839	74.69	86.01	85.20	87.86	7.35	6.00	
Reid 1	12,552	13,500	46.03	5.60	82.30	89.28	10.31	10.00	
Wilson 1	10,925	10,881	86.27	87.60	89.00	90.05	5.68	4.00	
System	10,929	11,081	78.80	81.90	88.50	90.89	4.81	4.39	

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# Item 4)Refer to Big Rivers' response to Commission Staff's Initial DataRequest, Item 46, lines 10-13.

a. Explain in detail how the negotiated base fuel cost, rather than the
total fuel cost (i.e., base fuel plus fuel adjustment clause ("FAC"), drives the Unwind
Transaction.

b. Explain in detail why the base fuel cost cannot be changed without
affecting the other terms of the transaction and the economies of the unwind if any
change in the base fuel cost is accompanied by an identical, but opposite, change in the
FAC such that the sum of the base fuel and FAC before the change is the same as the sum
after the change.

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15 **Response**) The total fuel cost drives the financial model. In response to the a. 16 Commission Staff's Initial Data Request, Item 46, Big Rivers was attempting to explain 17 why the base fuel cost was an integral part of the negotiations. During the negotiations, the financial model was updated to reflect the current agreement on terms between the 18 19 Smelters and Big Rivers. The fuel base was not changed in order to clearly see the 20impact of the negotiated changes. During the negotiation process the fuel projections 21 were updated. The impact was easy to follow in the financial model since the fuel base 22 was not projected to change during the life of the model. Total fuel is an important 23element of the model. Big Rivers will be subject to the FAC requirements post closing 24 and total fuel cost drives the Unwind Transaction. The negotiated base fuel cost was an 25important part of the Unwind in negotiating with the Smelters.

26

b. If the Commission desires to order an adjustment in the proposed
rates, such that any change in the base fuel cost (contained in the energy rate) is
accompanied by an identical, but opposite, change in the FAC and that the total amount
of fuel recovered before and after the proposed change is the same, and further that the
MRSM, while it is in place, will account for any such effect of the "roll in" or "roll out"
so that the Members will not see any impact on their bills, either positive or negative (as

1 2		S ELECTRIC CORPORATION'S RESPONSE TO THE STAFF'S 2 <sup>nd</sup> SUPPLEMENTAL DATA REQUEST PSC CASE NO. 2007-00455 April 16, 2008	
3			
4	referenced in the testimony	y of W. S. Seelye, Exhibit 25, page 31), Big Rivers would a	not
5	object to this adjustment.		
6			
- 7	Witness) C. William	n Blackburn	
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		Item 4 Page 2 of 2	

1 2 2	BIG RIVERS ELECTRIC CORPORATION'S RESPONSE TO THE COMMISSION STAFF'S 2 <sup>nd</sup> SUPPLEMENTAL DATA REQUEST PSC CASE NO. 2007-00455 April 16, 2008
3	
4 5	Item 5)Concerning environmental compliance capital expenditures,a.Specifically identify and describe all environmental
6	a. Specifically identify and describe all environmental compliance capital expenditures included in Exhibit 8 of the Application.
7	b. Does Big Rivers expect to incur any additional environmental
8	compliance capital expenditures that have not been incorporated into the Unwind
9	Financial Model? If yes, specifically identify and describe each additional environmental
10	compliance capital expenditure anticipated.
11.	c. State whether or not the answer to part (b) above is subject to
12	change based on the final engineering due diligence study. If yes, state when the final
13	engineering due diligence study will be completed.
14	
15	<b>Response)</b> a. Financial Model, Exhibit 8 includes environmental compliance
16	capital expenditures for both new equipment and maintenance on existing equipment:
17	• Mercury emissions stack monitors for the station stacks;
18	• SCR catalyst layer replacements;
19	• Flue gas SO <sub>3</sub> treatment equipment upgrade;
20	Wilson Station FGD system repairs;
21	Green Station FGD system repairs;
22	Green Station precipitator repairs;
23	Wilson Station precipitator repairs;
24	Coleman waste water treatment facility.
25	
26	b. No other environmental compliance capital expenditures are
27	expected at this time. However, Big Rivers will continue to monitor changes in the
28	business "environment" such as changes in allowance prices, changes in future CAIR,
29	CAMR or CWS-316(b) regulations, etc. that could influence its plans going forward.
30	c. Big Rivers' response to part (b) above is not likely to change based
31	on any additional due diligence.
32	
33	Witness) David A. Spainhoward
	Item 5
	Page 1 of 1

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3 Item 6) 4 Refer to Big Rivers' response to Commission Staff's Initial Data Request, Item 43(c). In the response, Big Rivers' states, "Much of this impact is due 5 to the fact that market value of each allowance is projected to diminish as the ratio of 6 7 SO<sub>2</sub> allowances to tons mitigated increases in 2010 and 2015." Explain in detail the rationale for the assumption that the market 8 a. value of emission allowances will decrease as the surrender ratio of allowances increases. 9 Assume for purposes of this question that the market price of one 10 b. SO<sub>2</sub> emission allowance in both 2009 and 2010 is \$500/ton emitted. Does Big Rivers 11 agree that if it had to purchase allowances in 2009 and 2010 to cover the emission of one 12 ton of sulfur dioxide, that in 2009 it would cost \$500 and in 2010 in \$1,000? Explain the 13 14 response. 15 **Response**) Big Rivers' response to Commission Staffs' Initial Data Request, 16 a. Item 43(c) is based on the rationale provided by Global Insight's "Price Outlook for Coal 17 Delivered to BREC Plants", dated September 2007. In particular, Global Insight 18 19 projected a long-run reduction in demand for SO<sub>2</sub> allowances due to the following 20factors: 21 1. A large (market-wide) bank of SO<sub>2</sub> allowances by 2010 resulting from the high number of Flue Gas Desulfurization ("FGD") units projected to 22 23 come into operation by that date. Continued installation of FGD units after 2010, based on 24 2. announcements to date, and state mandates more stringent than federal requirements. 25 Effective SO<sub>2</sub> mitigation through the emergence of 263. integrated pollution control systems targeting multiple pollutants. 27 28 4. The eventual transition from mitigating existing coal-fired units to wholesale replacement by more efficient, "scrubbed" generation technology. 29 30 Big Rivers recognizes that the above rationale is properly subject to ongoing re-31 32 evaluation as market and regulatory conditions evolve. 33

Big Rivers disagrees with the conclusion presented in this b. example. The premise is that the market price of allowances would be \$500/ton in 5 both 2009 and 2010. The forecasts Big Rivers is familiar with are based on complying 6 7 with one ton of emissions beginning in 2010 rather than a price per allowance. 8

Under CAIR, two allowances will be needed beginning in 2010 to reduce one ton of 9 emissions, and in 2015 the ratio rises to 2.86:1. As a result, reducing a ton of 10 emissions in 2009 will take one allowance, but reducing one ton of emissions in 2010 11 will take two allowances if 2010 vintage allowances are used. However, if 2009 12 vintage allowances are used to comply in 2010 then the surrender rate remains 1 13 allowance for 1 ton emitted. The cost of purchasing allowances sufficient to cover one 14 ton of SO<sub>2</sub> emissions would be \$500 in either 2009 or 2010, under the assumptions 15 16 given.

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Please see Global Insight's SO<sub>2</sub> allowance price forecast page 24 (copy attached). The 18 19 forecast is for "Nominal \$/Ton" which indicates for 2010 a cost of \$881 per ton of emissions. Since it takes two 2010 vintage SO<sub>2</sub> allowances to comply for one ton of 20 emissions, the effective nominal price per allowance surrendered is \$440.50 per 2122 allowance (see footnote on attachment).

Witness) David A. Spainhoward Robert S. Mudge

> Item 6 Page 2 of 2

	Nominal	· %	Real 2006	%
Year	\$/Ton	Change	\$/Ton	Change
1992	\$320		\$430	
1993	\$187	-41.72%	\$245	-43.03%
1994	\$164	-12.20%	\$210	-14.02%
1995	\$133	-19.08%	\$167	-20.71%
1996	\$84	-36.86%	\$103	-38.02%
1997	\$99	18.43%	\$120	16.49%
1998	\$157	58.90%	\$189	57.15%
1999	\$194	23.53%	\$231	21.77%
2000	\$141	-27.37%	\$164	-28.92%
2001	\$186	31.51%	\$210	28.43%
2002	\$153	-17.62%	\$170	-19.04%
2003	\$174	13.88%	\$190	11.52%
2004	\$438	151.30%	\$464	144.36%
2005	\$906	106.96%	\$933	100.86%
2006	\$731	-19.35%	\$731	-21.63%
2007	\$549	-24.92%	\$536	-26.74%
2008	\$778	41.75%	\$745	39.04%
2009	\$853	9.63%	\$800	7.48%
2010	\$881	3.30%	\$809	1.15%
2011	\$818	-7.12%	\$736	-9.08%
2012	\$792	-3.27%	\$697	-5.26%
2013	\$747	-5.61%	\$645	-7.45%
2014	\$787	5.29%	\$667	3.31%
2015	\$907	15.27%	\$754	13.13%
2016	\$759	-16.28%	\$620	-17.81%
2017	\$618	-18.54%	\$496	-20.03%
2018	\$357	-42.27%	\$281	-43.33%
2019	\$146	-59.04%	\$113	-59.78%
2020	\$137	-6.43%	\$104	-8.11%
2021	\$134	-1.70%	\$100	-3.47%
2022	\$111	-17.25%	\$81	-18.75%
2023	\$105	-6.00%	\$75	-7.69%
2024	\$102	-2.41%	\$72	-4.17%
2025	\$98	-4.06%	\$68	-5.80%

### **SO2 Allowance Price Forecast**

#### SO2 ALLOWANCE PRICE FORECAST

NOTE: The price depicts the cost of reducing one ton of emissions. Under CAIR, 2 allowances generated after 2009 will be needed to reduce one ton of emissions, and in 2015 the ratio will rise to 2.86:1 As a result, reducing a ton of emissions in 2013 would take one pre-2010 allowance priced at \$728 (nominal \$), or two 2010-2012 allowances priced at \$364 each.

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4 Item 7) Refer to Big Rivers' response to the Attorney General's Initial Data 5 Request, Item 64, the Global Insight "Price Outlook for Coal Delivered to BREC 6 Plants," page 25. The following chart compares the SO<sub>2</sub> allowance price forecast from 7 Global Insight with a SO<sub>2</sub> allowance price forecast included in a document filed by 8 Kentucky Utilities Company ("KU") in Case No. 2004-00426 entitled "Update to the 9 2004 SO<sub>2</sub> Compliance Strategy for E.ON U.S., Subsidiaries Kentucky Utilities and 10 Louisville Gas and Electric, March 2008." All prices are "Nominal \$/ton" and not 11 adjusted to reflect the surrender ratio for allowances.

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2008	2009	2010	2011	2012	2013	2014	2015
\$778	\$853	\$881	\$818	\$792	\$747	\$787	\$907
\$457	\$455	\$480	\$624	\$649	\$673	\$733	\$794
						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
2016	2017	2018	2019	2020	2021	2022	2023
\$759	\$618	\$357	\$146	\$137	\$134	\$111	\$105
\$855	\$916	\$977	\$1,038	\$1,099	\$1,160	\$1,221	\$1,282
	\$778 \$457 <b>2016</b> \$759	\$778 \$853 \$457 \$455 2016 2017 \$759 \$618	\$778       \$853       \$881         \$457       \$455       \$480         2016       2017       2018         \$759       \$618       \$357	\$778       \$853       \$881       \$818         \$457       \$455       \$480       \$624         2016       2017       2018       2019         \$759       \$618       \$357       \$146	\$778       \$853       \$881       \$818       \$792         \$457       \$455       \$480       \$624       \$649         2016       2017       2018       2019       2020         \$759       \$618       \$357       \$146       \$137	\$778       \$853       \$881       \$818       \$792       \$747         \$457       \$455       \$480       \$624       \$649       \$673         2016       2017       2018       2019       2020       2021         \$759       \$618       \$357       \$146       \$137       \$134	\$778       \$853       \$881       \$818       \$792       \$747       \$787         \$457       \$455       \$480       \$624       \$649       \$673       \$733         2016       2017       2018       2019       2020       2021       2022         \$759       \$618       \$357       \$146       \$137       \$134       \$111

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a. Does Big Rivers agree that there appear to be significant differences between the Global Insight and KU allowance price forecasts?

b. If the Global Insight prices shown above are not its most recent
price forecast, provide the most recent price forecast for 2008 to 2023.

c. Big Rivers' Unwind Financial Model anticipates that it will be
selling excess SO<sub>2</sub> emission allowances from 2008 through 2014, and then purchasing
SO<sub>2</sub> emission allowances from 2015 through 2023. If KU's forecast of prices is correct
and Big Rivers goes forward with the strategy of selling all excess allowances, does Big
Rivers agree that compared to the analysis based on the Global Insight forecast it could
receive less revenue from the allowance sales and incur significantly higher costs when
purchasing allowances? Explain the response.

d. Does Big Rivers agree that there are risks associated with either
 forecast as to which forecast accurately reflects future allowance prices?

Given these risks, explain why Big Rives believes it is reasonable e. to assume the risk that allowance prices will generally be higher through 2015 and then steadily declining from 2016 to 2023. 6

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Yes, however it must be noted that beginning in 2010 through 8 **Response**) a. 2014 the Global Insight forecast is a price to comply with one ton of emissions rather 9 10 than a price per allowance.

12 b. Global Insight has informed Big Rivers that they are in the process of revising their price forecast and expect to publish their revised forecast shortly. 13 However, Big Rivers attaches actual auction prices from the March 25, 2008 auction by 14 the United States Environmental Protection Agency for 2008 SO<sub>2</sub> Allowances. The 15 auction results show spot prices for allowances first usable in 2008 and advance prices 16 17 for allowances first usable in 2015 which appear to support Big Rivers' position of 18 selling SO<sub>2</sub> allowances rather than banking them.

Big Rivers agrees that 1) if the KU price forecast was actually 20 c. realized over time, and 2) Big Rivers did not adjust the practice of selling all excess 21allowances as currently modeled, it could receive less revenue from the allowance sales 22 23 and incur significantly higher costs when purchasing allowances. Big Rivers intends to regularly reassess and adjust its policy on selling or banking excess allowances as market 24 and regulatory conditions evolve. 25

As would be the case with any forecast, Big Rivers agrees that 27 đ. there are risks associated with either of the Global Insight or KU forecasts. 28

30 Big Rivers does not propose to commit at the outset to a e. permanent policy of selling or banking excess allowances based on the Global Insight 31 assumptions. As referenced above, Big Rivers intends to regularly reassess and adjust 32 33

1	CC	BIG RIVERS ELECTRIC CORPORATION'S RESPONSE TO THE DMMISSION STAFF'S 2 <sup>nd</sup> SUPPLEMENTAL DATA REQUEST PSC CASE NO. 2007-00455 April 16, 2008
3	its policy of	selling or banking excess allowances as market and regulatory conditions
4	evolve.	
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6	Witness)	C. William Blackburn
7		David A. Spainhoward
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		Item 7 Page 3 of 3



Clean Air Markets

http://www.epa.gov/airmarkets/trading/2008/index.html Last updated on Tuesday, March 25th, 2008.

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Air & Radiation Clean Air Markets Allowan

Allowance Trading Annual

## 2008

The 2008  $SO_2$  Allowance Auction took place on March 25, 2008. Allowances were auctioned that could first be used in 2008 as well as in 2015. Details are provided via the links below.

- Overview of how auctions work
- Results: summary of total bids, winning bids, and prices
- Bids for the Spot Auction (Allowances first usable in 2008)
- Bids for the 7 Year Advance Auction (Allowances first usable in 2015)

An Excel spreadsheet (Excel, 54 K) provides the same results.

Download an Excel viewer EXIT Disclaimer



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Allowance Trading Annual

## **2008 EPA Allowance Auction Results**

Allowances Available for Auction					
Origin of Allowances	Spot Auction (First Usable in 2008)	7 Year Advance Auction (First Usable in 2015 )			
EPA	125,000	125,000			
Privately Offered	0	0			
Total	125,000	125,000			

Spot Auction Results						
Number of Number of Allowances Bids Bidders Bid Price						
Bid For: 599,370	Successful: 52	Successful: 17	Highest: \$651.00			
Sold: 125,000	Unsuccessful: 44	Unsuccessful: 2	<b>Clearing: \$380.01</b> (the clearing price is the lowest price at which a successful bid was made)			
dialement de remer que anno 110 maior a construir de remet fache en la face da ca	Total: 96	Total: 19	Lowest: \$.27			
nan-shuddhi ya cu ya ku kuna ki ku ku ku ku ku		· · · · · · · · · · · · · · · · · · ·	Weighted Average of Winning Bids: \$389.91			

7 Year Advance Auction Results						
Allowances	Number of Bids	Number of Bidders	Bid Price			
Bid For: 1,143,816	Successful: 16	Successful: 10	Highest: \$400.00			
Sold: 125,000	Unsuccessful: 46		<b>Clearing: \$131.50</b> (the clearing price is the lowest price at which a successful bid was made)			
an and k K Marine ann a sin 2 m 2 m b to b to b to b to b to b to b to b	Total: 62	Total: 20	Lowest: \$.27			
an an an an an an an an an an an an an a	engeneration and an and an an an and an an an an an an an an an an an an an		Weighted Average of Winning Bids: \$136.14			

Spot Auction Winners					
Bidder's Name	Quantity	Percentage of Total Allowances	Amount Paid		
KS & T, LP	45,000	36.000	\$17,245,000.00		
Constellation Energy Commodities Group, Inc.	27,500	22.000	\$10,701,375.00		
LUME	18,723	14.978	\$7,487,813.31		
Merrill Lynch Commodities Inc.	10,000	8.000	\$3,975,700.00		
The Detroit Edison Company	6,500	5.200	\$2,582,645.00		
Cantor Fitzgerald Brokerage	6,000	4.800	\$2,355,360.00		
Bear Energy LP	3,995	3.196	\$1,565,704.95		
Louis Dreyfus Energy Services L.P.	2,500	2.000	\$955,025.00		
Fortis Energy Marketing & Trading	2,000	1.600	\$790,000.00		
TransAlta Energy Marketing (U.S.)	2,000	1.600	\$775,040.00		
DigiLog Global Environmental	750	0.600	\$288,750.00		
Acid Rain Retirement Fund	10	0.008	\$4,780.00		
CAC Charitable Trust	10	0.008	\$4,300.00		
Green Country Energy, LLC	8	0.006	\$5,208.00		
Ithaca College - Campaign For Ithaca`s Air	2	0.002	\$1,046.00		
Bates College Environmental Economics	1	0.001	\$463.00		
AEM 250 Cornell University 2008	1	0.001	\$455.00		
TOTALS	125,000	100%	\$48,738,665.26		

#### 7 Year Advance Auction Winners

7 Year Advance Auction Winners					
Bidder's Name	Quantity	Percentage of Total Allowances	Amount Paid		
Dominion Energy Marketing, Inc.	75,572	60.458	\$10,286,694.50		
Virginia Electric and Power Co.	49,412	39,530	\$6,725,803.00		
Green Country Energy, LLC	8	0.006	\$2,808.00		
Rutgers Prep School Environmental Club	2	0.002	\$490.00		
Clarkson University - ECO	1	0.001	\$400.00		
Reed College	1	0.001	\$389.00		
Cochran Grandchildren Environmentalists	1	0.001	\$200.00		
Bates College Environmental	1	0.001	\$155.00		

http://www.epa.gov/airmarkets/trading/2008/08summary.html

4/14/2008

		Total Auction Proceeds	\$65,755,889.25
TOTALS	125,000	100%	\$17,017,223.99
University of Wisconsin Environmental Economics 343	1	0.001	\$140.80
Cornell University - AEM 451/Econ 409	1	0.001	\$143.69
Economics	and a standard land a set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the	1	



http://www.epa.gov/airmarkets/trading/2008/08spotbids.html Last updated on Tuesday, March 25th, 2008.

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### **2008 Acid Rain Allowance Auction Results**

### Spot Bids (First Usable in 2008)

BIDS	BIDDER'S NAME	QUANTITY	TOTAL
\$651.00	Green Country Energy, LLC	8	8
\$523.00	Ithaca College - Campaign For Ithaca`s Air	2	10
\$478.00	Acid Rain Retirement Fund	10	20
\$463.00	Bates College Environmental Economics	1	21
\$455.00	AEM 250 Cornell University 2008	1	22
\$430.00	CAC Charitable Trust	10	32
\$415.07	Merrill Lynch Commodities Inc.	2,500	2,532
\$409.33	The Detroit Edison Company	500	3,032
\$407.67	LUME	1,311	4,343
\$406.33	The Detroit Edison Company	500	4,843
\$406.12	LUME	2,247	7,090
\$405.06	Cantor Fitzgerald Brokerage	1,000	8,090
\$405.03	Bear Energy LP	1,000	9,090
\$403.33	The Detroit Edison Company	500	9,590
\$402.67	LUME	5,055	14,645
\$401.12	LUME	5,055	19,700
\$400.33	The Detroit Edison Company	1,000	20,700
\$400.07	Merrill Lynch Commodities Inc.	2,500	23,200
\$400.06	Cantor Fitzgerald Brokerage	1,000	24,200
\$400.05	Constellation Energy Commodities Group, Inc.	2,500	26,700
\$400.00	Fortis Energy Marketing & Trading	1,000	27,700
\$397.55	Constellation Energy Commodities Group, Inc.	2,500	30,200
\$397.33	The Detroit Edison Company	1,000	31,200
\$395.67	LUME	2,247	33,447
\$395.06	Cantor Fitzgerald Brokerage	1,000	34,447

http://www.epa.gov/airmarkets/trading/2008/08spotbids.html

\$395.05	5 Constellation Energy Commodities Group, Inc. 2,500		
\$395.04	4 Bear Energy LP 1,		38,447
\$395.02	TransAlta Energy Marketing (U.S.)	500	38,947
\$394.33	The Detroit Edison Company	1,500	40,447
\$392.55	Constellation Energy Commodities Group, Inc.	2,500	42,947
\$391.00	KS & T, LP	10,000	52,947
\$390.07	Merrill Lynch Commodities Inc.	2,500	55,447
\$390.06	Cantor Fitzgerald Brokerage	1,000	56,447
\$390.05	Constellation Energy Commodities Group, Inc.	5,000	61,447
\$390.02	TransAlta Energy Marketing (U.S.)	500	61,947
\$390.01	Louis Dreyfus Energy Services L.P.	500	62,447
\$390.00	Fortis Energy Marketing & Trading	1,000	63,447
\$389.33	The Detroit Edison Company	1,500	64,947
\$387.67	LUME	2,808	67,755
\$387.55	Constellation Energy Commodities Group, Inc.	2,500	70,255
\$385.07	Merrill Lynch Commodities Inc.	2,500	72,755
\$385.06	Cantor Fitzgerald Brokerage	1,000	73,755
\$385.05	Constellation Energy Commodities Group, Inc.	2,500	76,255
\$385.02	TransAlta Energy Marketing (U.S.)	500	76,755
\$385.00	DigiLog Global Environmental	750	77,505
\$382.55	Constellation Energy Commodities Group, Inc.	2,500	80,005
\$381.00	KS & T, LP	35,000	115,005
\$380.06	Cantor Fitzgerald Brokerage	1,000	116,005
\$380.05	Constellation Energy Commodities Group, Inc.	5,000	121,005
\$380.02	TransAlta Energy Marketing (U.S.)	500	121,505
\$380.01	Louis Dreyfus Energy Services L.P.	2,000	123,505
\$380.01	Bear Energy LP*	5,000	128,505
Bids belov \$380.01	v this line were unsuccessful because they were below t	he clearing price	of
\$380.00	Fortis Energy Marketing & Trading	1,000	129,505
\$376.00	KS & T, LP	10,000	139,505
\$375.03	Bear Energy LP	7,500	147,005
407E 00	LUME	1,365	148,370
\$375.03		1,000	2.0,070

Item 7 http://www.epa.gov/airmarkets/trading/2008/085potblds.html

\$372.55	Constellation Energy Commodities Group, Inc.	1,000	150,120
\$370.02	TransAlta Energy Marketing (U.S.)	750	150,870
\$370.01	Louis Dreyfus Energy Services L.P.	4,000	154,870
\$370.00	Fortis Energy Marketing & Trading	1,000	155,870
\$367.55	Constellation Energy Commodities Group, Inc.	1,000	156,870
\$366.00	KS & T, LP	10,000	166,870
\$365.02	TransAlta Energy Marketing (U.S.)	750	167,620
\$362.55	Constellation Energy Commodities Group, Inc.	1,000	168,620
\$360.02	TransAlta Energy Marketing (U.S.)	750	169,370
\$360.01	Louis Dreyfus Energy Services L.P.	9,000	178,370
\$360.00	Fortis Energy Marketing & Trading	1,000	179,370
\$357.55	Constellation Energy Commodities Group, Inc.	1,000	180,370
\$355.02	Bear Energy LP	20,000	200,370
\$355.02	TransAlta Energy Marketing (U.S.)	750	201,120
\$352.55	Constellation Energy Commodities Group, Inc.	1,000	202,120
\$350.05	Constellation Energy Commodities Group, Inc.	5,000	207,120
\$350.02	TransAlta Energy Marketing (U.S.)	750	207,870
\$350.01	Louis Dreyfus Energy Services L.P.	16,000	223,870
\$350.00	Fortis Energy Marketing & Trading	1,000	224,870
\$345.02	TransAlta Energy Marketing (U.S.)	750	225,620
\$340.02	TransAlta Energy Marketing (U.S.)	750	226,370
\$340.00	Fortis Energy Marketing & Trading	1,000	227,370
\$330.02	TransAlta Energy Marketing (U.S.)	1,000	228,370
\$330.01	Bear Energy LP	25,000	253,370
\$330.00	Fortis Energy Marketing & Trading	1,000	254,370
\$320.02	TransAlta Energy Marketing (U.S.)	1,000	255,370
\$320.00	Fortis Energy Marketing & Trading	1,000	256,370
\$317.50	МРА	1,000	257,370
\$310.01	Bear Energy LP	30,000	287,370
\$310.00	Fortis Energy Marketing & Trading	1,000	288,370
\$300.00	Fortis Energy Marketing & Trading	1,000	289,370
\$220.50	МРА	1,000	290,370
\$200.02	Bear Energy LP	35,000	325,370
\$107.10	MPA	2,000	327,370

\$100.01	Louis Dreyfus Energy Services L.P.	5,000	332,370
\$52.50	MPA	2,000	334,370
\$6.30	MPA	40,000	374,370
\$3.10	Shell Energy North America (US), L.P.	125,000	499,370
\$.27	МРА	100,000	599,370

\*Awarded a partial fill of 1,495 out of 5,000 allowances bid for.



http://www.epa.gov/airmarkets/trading/2008/08advbids.html Last updated on Tuesday, March 25th, 2008.

**Clean Air Markets** 

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Clean Air Markets Allowance Trading

2008

### **2008 Acid Rain Allowance Auction Results**

### 7 Year Advance Bids (First Usable in 2015)

BIDS	BIDDER'S NAME	QUANTITY	TOTAL
\$400.00	Clarkson University - ECO	1	1
\$389.00	Reed College	1	2
\$351.00	Green Country Energy, LLC	8	10
\$245.00	Rutgers Prep School Environmental Club	2	12
\$200.00	Cochran Grandchildren Environmentalists	1	13
\$155.00	Bates College Environmental Economics	1	14
\$143.69	Cornell University - AEM 451/Econ 409	1	15
\$140.80	University of Wisconsin Environmental Economics 343	1	16
\$140.00	Dominion Energy Marketing, Inc.	19,122	19,138
\$140.00	Virginia Electric and Power Co.	12,500	31,638
\$137.50	Dominion Energy Marketing, Inc.	19,122	50,760
\$137.50	0 Virginia Electric and Power Co. 1		63,260
\$135.25	Dominion Energy Marketing, Inc. 19		82,382
\$135.25	Virginia Electric and Power Co. 12,50		94,882
\$131.50	Virginia Electric and Power Co. 11,912		106,794
\$131.50	Dominion Energy Marketing, Inc.*		125,016
Bids belo \$131.50	w this line were unsuccessful because they were below t	he clearing price	e of
\$129.50	Credit Suisse Energy LLC	2,500	127,516
\$126.50	Credit Suisse Energy LLC	5,000	132,516
\$125.40	DTE	4,700	137,216
\$122.10	DTE	4,700	141,916
\$121.50	Credit Suisse Energy LLC	5,000	146,916
\$120.01	Louis Dreyfus Energy Services L.P.	5,000	151,916

\$120.00	Credit Suisse Energy LLC	5,000	156,916
\$118.80	DTE	4,700	161,616
\$117.17	Olduvai Gorge	10,000	171,616
\$115.50	D DTE 4		176,316
\$115.06	Cantor Fitzgerald Brokerage	2,500	178,816
\$115.00	Credit Suisse Energy LLC	10,000	188,816
\$112.20	DTE	4,700	193,516
\$111.17	Olduvai Gorge	10,000	203,516
\$110.06	Cantor Fitzgerald Brokerage	2,500	206,016
\$110.00	Credit Suisse Energy LLC	25,000	231,016
\$108.90	DTE	4,700	235,716
\$107.01	Louis Dreyfus Energy Services L.P.	10,000	245,716
\$105.60	DTE	4,700	250,416
\$105.17	Olduvai Gorge	10,000	260,410
\$105.06	Cantor Fitzgerald Brokerage	2,500	262,916
\$105.00	Credit Suisse Energy LLC	25,000	287,910
\$102.30	DTE	4,700	292,610
\$100.06	Cantor Fitzgerald Brokerage	2,500	295,110
\$100.01	Louis Dreyfus Energy Services L.P.	20,000	315,110
\$100.00	Credit Suisse Energy LLC	25,000	340,110
\$99.17	Olduvai Gorge	19,000	359,110
\$99.00	DTE	4,700	363,810
\$93.17	Olduvai Gorge	19,000	382,810
\$90.01	Louis Dreyfus Energy Services L.P.	40,000	422,810
\$90.00	Credit Suisse Energy LLC	22,500	445,310
\$87.17	Olduvai Gorge	19,000	464,310
\$85.01	Bear Energy LP	10,000	474,310
\$81.17	Olduvai Gorge	16,000	490,31
\$75.02	Bear Energy LP	10,000	500,31
\$75.00	KS & T, LP	50,000	550,31
\$55.01	Bear Energy LP	20,000	570,31
\$45.03	Bear Energy LP	25,000	595,31
\$30.00	Morgan Stanley	50,000	645,31
\$20.00	Morgan Stanley	50,000	695,31

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\$10.00	Morgan Stanley	25,000	720,316
\$6.01	Louis Dreyfus Energy Services L.P.	50,000	770,316
\$5.01	Bear Energy LP	60,000	830,316
\$3.10	Shell Energy North America (US), L.P.	125,000	955,316
\$1.01	Louis Dreyfus Energy Services L.P.	88,500	1,043,816
\$.27	МРА	100,000	1,143,816

\*Awarded a partial fill of 18,206 out of 18,222 allowances bid for.

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Item 8) Refer to Big Rivers' First Amendment and Supplement to Application, tendered for filing on March 31, 2008 ("First Amended Application") page 8, lines 18 to 22. Exactly how many years does Big Rivers reasonably expect to have within which it will be required to issue public debt? Big Rivers believes it will have until prior to January 2, 2016 to issue the **Response**) required capital market debt. C. William Blackburn Witness) 

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1	BIG RIVERS ELECTRIC CORPORATION'S RESPONSE TO THE COMMISSION STAFF'S 2 <sup>nd</sup> SUPPLEMENTAL DATA REQUEST PSC CASE NO. 2007-00455
2	April 16, 2008
2 3	
	Item 9) Refer to the First Amended Application, page 12, lines 8 to 10.
4 5	a. How much will Big Rivers be required to pay to Bank of
5	America Leasing to terminate the defeased lease transactions?
7	b. Has this payment already been incorporated into an exhibit of the
8	Application? If yes, state where the payment is reflected.
9	
10	<b>Response)</b> a. Big Rivers' share of the payment to Bank of America for
11	terminating the levereged lease transaction will be approximately \$1,000,000.00.
12	
13	b. This payment will be made from existing funds at or prior to the
14	Closing of the Unwind Transaction. Therefore, the payment is not reflected in the
15	financial model exhibit.
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17	Witness) C. William Blackburn
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	BIG RIVERS ELECTRIC CORPORATION'S RESPONSE TO THE
	COMMISSION STAFF'S 2 <sup>nd</sup> SUPPLEMENTAL DATA REQUEST PSC CASE NO. 2007-00455
1 2	April 16, 2008
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4	Item 10) Explain in detail the current status of Big Rivers' efforts to obtain a
5	credit rating. Include a discussion of the remaining steps that must be taken to obtain
6	that rating, the expected date to complete each remaining step, and the date that the
7	rating is reasonably expected to be obtained.
8	
9	<b>Response)</b> Big Rivers has scheduled meetings with Moody's and Standard & Poors
10	for May 14, 2008 for an introductory meeting. During this meeting Big Rivers will
11	provide the rating agencies an executive level view of the Unwind Transaction and Big
12	Rivers' projected financial condition at Closing.
13	
14	A formal meeting will be requested for mid-June to make the final presentation to the
15	rating agencies.
16 17	Big Rivers expects to receive the requested ratings by the middle of July.
17	Big Rivers expects to receive the requested ratings by the infutite of Jury.
19	Witness) C. William Blackburn
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	Item 10
	Page 1 of 1

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2 3 4 Refer to Big Rivers' First Amendment and Supplement to Application **Item 11**) 5 filed on March 31, 2008, paragraphs 20 through 30. For each of the documents listed below, state when Big Rivers anticipates it will be filing a draft version of the 6 7 document for Commission examination. In addition, for each of the documents listed 8 below, state when Big Rivers anticipates it will be filing the final version of the 9 document for Commission review and approval. 10 Paragraph 20 - The Creditor Consent, Termination, and Release a. 11 Agreement. 12 Paragraph 21 - The Recordable Short Form Releases of b. 13 Mortgage and Intercreditor Agreement. 14 Paragraph 22 – The Indenture. c. 15 d. Paragraph 23 – The New Intercreditor Agreement. 16 Paragraph 25 – Documents to Terminate the FBR-1 Statutory Trust e. and the FBR-2 Statutory Trust. 17 f. Paragraph 28 – The Amended and Restated Stock Pledge 18 19 Agreement. 20 Paragraph 29 – The Amendment to Qualifying Swap and the g. 21 Amendment to Big Rivers Swap. 22 h. Paragraph 30 – Three Escrow Agreements associated with the PBR-1, PBR-2, and PBR-3 Transactions. 23 24 25 Big Rivers anticipates filing a substantially completed document **Response**) a. 26on April 18, 2008, and the final version will be included in a compliance filing which will 27 be completed as soon as possible following closing. 28 29 b. Big Rivers filed a substantially completed document on April 11, 30 2008, and the final version will be included in a compliance filing which will be 31 completed as soon as possible following closing. 32 33

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c. Big Rivers filed a substantially completed document on April 11, 2008, and the final version will be included in a compliance filing which will be completed as soon as possible following closing.

8 d. Big Rivers anticipates filing a substantially completed document
9 on April 18, 2008, and the final version will be included in a compliance filing which will
10 be completed as soon as possible following closing.

e. Big Rivers anticipates filing a substantially completed document
on April 18, 2008, and the final version will be included in a compliance filing which
will be completed as soon as possible following closing.

16 f. Big Rivers filed a substantially completed document on April 11,
17 2008, and the final version will be included in a compliance filing which will be
18 completed as soon as possible following closing.

g. Big Rivers anticipates filing a substantially completed document
on April 18, 2008, and the final version will be included in a compliance filing which
will be completed as soon as possible following closing.

h. Big Rivers anticipates filling a substantially completed document on April 18, 2008, and the final version will be included in a compliance filing which will be completed as soon as possible following closing.

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Witness) C. William Blackburn

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1	BIG RIVERS ELECTRIC CORPORATION'S RESPONSE TO THE COMMISSION STAFF'S 2 <sup>nd</sup> SUPPLEMENTAL DATA REQUEST PSC CASE NO. 2007-00455 April 16, 2008
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4	Item 12) State the dates that Big Rivers anticipates filing each of the following
5	with the Commission:
6	a. The report prepared for Big Rivers of due diligence on the
7	generating units.
8	b. Evidence of an investment-grade credit rating.
9	c. The terms and conditions of an agreement with Henderson
10	Municipal Power and Light consenting to the Unwind Transaction.
11	d. The terms and conditions of the RUS agreement(s) consenting to
12	the Unwind Transaction and any debt deferrals, restructuring, refinancing, and lien
13	accommodations.
14	e. The terms and conditions of each agreement with the non-RUS
15	creditors that must consent to the Unwind Transaction.
16	f. An updated version of the Unwind Financial Model which
17	reflects all known changes not previously incorporated, including but not limited to the
18	financial impacts of the agreements enumerated above and in Item 11 above.
19	
20	<b>Response</b> ) a. Big Rivers does not anticipate preparing and filing a single due
21	diligence report on the generating units. Under the Unwind Transaction documents, Big
22	Rivers bargained for and obtained a number of conditions to closing relating to the status
23	of the generating units. But Big Rivers did not contemplate submitting a due diligence
24	report to the Commission. Instead, Big Rivers has a process in place under which it has
25	been and is assessing the condition of the generating units that are to be restored to its
26	control after the date of closing. These ongoing efforts will ensure that each of the
27	closing conditions set forth in the Termination Agreement relating to the generating units
28	will be met.
29	
30	It would not be practical for Big Rivers to prepare and submit a single generation due
31	diligence report prior to the hearing. This is not a situation in which an unaffiliated third-
32	party is acquiring generating units in a vacuum. These units formerly were subject to Big
33	

Rivers' operation and control from their construction through 1998. Big Rivers has remained the owner of these assets, has monitored the condition of these units over the past ten years, and is apprised regarding the manner of their operation.

8 Big Rivers thus is quite familiar with issues surrounding these units' operation and
9 maintenance. Moreover, the WKEC employees now operating and maintaining these
10 assets will be Big Rivers' employees after the closing, and they will perform identical
11 activities.

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Even though Big Rivers does not contemplate submitting a single due diligence report in
advance, Big Rivers is willing to consolidate the results of its processes into a
memorandum on closing condition compliance, which can be provided to the
Commission and interested parties shortly after closing. This memorandum would
recount Big Rivers' efforts with respect to each closing condition, and would describe the
disposition of each condition. By this means, Big Rivers' final evaluation of its
generating units would be available to the Commission and all parties.

20

Big Rivers believes the process to obtain an evaluation of its credit 21 b. 22 rating will take approximately six to eight weeks. Big Rivers contemplates commencing 23 this process on May 14, 2008 so that it can be completed in advance of the proposed 24 closing date of the Unwind Transaction. However, because Big Rivers' receipt of an investment grade credit rating is a Big Rivers condition of closing and a requirement of 25 several of Big Rivers' Creditors, the Commission need not make a finding regarding 26 whether Big Rivers has or does not have an investment grade credit rating prior to issuing 27 28 an order on this Application. If Big Rivers does not obtain this investment grade credit 29 rating after Commission approval of this transaction, Big Rivers simply will not close the 30 Unwind Transaction.

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Big Rivers is still exploring resolution of the concerns of HMP&L 4 c. and does not know when these issues will be resolved. An agreement with HMP&L is a 5 condition to the closing of the transaction. A settlement between Big Rivers and 6 HMP&L may not be achieved and submitted to the Commission before the hearing in this 7 case. If so, Big Rives requests that the Commission's order following the hearing 8 authorize Big Rivers to consent to termination of the Station Two Agreement as of the 9 closing of the Unwind Transaction, so long as the terms of the termination have no 10material impact on the Unwind Financial Model or the Station Two Contracts. While Big 11 Rivers may not believe this is the likeliest scenario based upon discussions to date with 12 HMP&L. Under this approach, Big Rivers would have the opportunity to proceed to 13 14 closing without having to return to the Commission.

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16 The likelier scenario is that resolution of the HMP&L issues will be more complex, and
17 will require submission of a settlement and contract amendments to the Commission for
18 approval. The closing of the Unwind Transaction cannot occur until at least 33 days after
19 entry of the last Commission order granting an approval required for that closing.

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d. Big Rivers intends on April 18, 2008 to file a Motion to Amend
and Supplement its Application to incorporate the terms and conditions of the RUS loan
agreement consenting to the Unwind Transaction and any debt deferrals, restructuring,
refinancing, and lien accommodations.

e. Big Rivers intends on April 18, 2008 to file a Motion to Amend
and Supplement its Application to incorporate the terms and conditions of agreements
with non-RUS creditors that must consent to the Unwind Transaction.

30 f. Big Rivers has not anticipated filing prior to the closing of the
31 Unwind Transaction an updated version of the Unwind Financial Model, reflecting all

	1 2 3	BIG RIVERS ELECTRIC CORPORATION'S RESPONSE TO THE COMMISSION STAFF'S 2 <sup>nd</sup> SUPPLEMENTAL DATA REQUEST PSC CASE NO. 2007-00455 April 16, 2008			
	4	<ul> <li>4 known changes not previously incorporated.</li> <li>5</li> <li>6 Many of the changes listed in PSC-3 Items 11 and 12 will be incorporated into the</li> <li>7 updated version of the Unwind Financial Model being filed with the financing documents</li> <li>8 on April 18, 2008. Some changes related to Big Rivers' financing, however, will simply</li> </ul>			
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	10	not be known until the closing.			
	11	Witness) David A. Spainhoward			
	12	C. William Blackburn			
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		Item 12 Page 4 of 4			

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4	Item 13) Refer to the Joint Response to the Attorney General's Supplemental
5	Request For Information to the Member Cooperatives, filed on March 6, 2008.
6	Contained therein is an exhibit titled, "Proposed Transaction - Updated Economics,
7	8/07 Base Case - Rate Comparison," a copy of which is attached hereto as Appendix
8	A. Is it true that in 2023, Big Rivers' non-Smelter member blend effective rate would
9	be \$40.66 without the Unwind Transaction, as per the "Existing Transaction Rates"
10	shown in Appendix A, and \$51.64 with the Unwind Transaction, as per the Joint
11	Application, page 4 of 37, line 85? If no, explain in detail what these rates represent.
12	
13	<b>Response)</b> The non-Smelter member blend effective rate of \$40.66 referenced in the
14	question is out of date, deriving from an 8/07 document and an incomplete depiction of
15	Big Rivers' views of outcomes without the Unwind Transaction.
. 16	
17	An updated and more complete view of the non-Smelter member blend effective rate
18	without the Unwind Transaction can be derived from Big Rivers' response to Items 3 and
19	128 of the Attorney General's Initial Request for Information, provided on March 5, 2008
20	(comparison of expected future cash flows to Big Rivers under continuation of the
21	existing Lease Agreement/Power Purchase Agreement versus expected future cash flows
22	as modeled (Exhibit 8)). Key data for 2023 are derived from the response to Items 3 and
23	128 below.
24	

**Existing Arrangement** 25 **Unwind Model** 2023 Data 26 Sales to Smelters\* **Arbitrage Sales** 27 Revenues (\$M) 200 267 247 28 4.79 **TWh Sales** 4.79 4.79 29 Blended Rate (\$/MWh) 41.73 55.81 51.64 \*200MW at Large Industrial rate + \$0.25/MWh 30 31 32 33

		BIG RIVERS ELECTRIC CORPORATION'S RESPONSE TO THE
	C(	DMMISSION STAFF'S 2 <sup>nd</sup> SUPPLEMENTAL DATA REQUEST
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