

AEP EAST  
LOAD FORECAST ADJUSTMENT MODULE  
CLASS DETAIL REPORT

CLASS: OPCO+CSP	2011	2012	2013	2014	2015	2016	2017	2018
LOAD RESULTS								
ENERGY SALES	56927.	53414.	53093.	53077.	52954.	52883.	52792.	52765.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	56927.	53414.	53093.	53077.	52954.	52883.	52792.	52765.
PEAK AT METER (NON COINC.)	9635.	9034.	8999.	8992.	8948.	8912.	8918.	8917.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)	9635.	9034.	8999.	8992.	8948.	8912.	8918.	8917.
LOAD FACTOR	0.674	0.673	0.673	0.674	0.676	0.676	0.676	0.675
PEAK AT METER (COINC.)	9635.	9034.	8999.	8992.	8948.	8912.	8918.	8917.
PEAK LOSSES (COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (COINC.)	9635.	9034.	8999.	8992.	8948.	8912.	8918.	8917.
CAPACITY CREDIT (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
CUSTOMER COST (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
DSM EXPENSE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
EVALUATION EXPENSE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
EXTERNAL COST (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
FUEL SWITCH SAVINGS:								
RETAIL (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
WHOLESALE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
INCENTIVE PAYMENTS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
LOST REVENUES (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
SHAREHOLDER SAVINGS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL T&D CREDITS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
OTHER CUST. BENEFITS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.

CLASS: OPCO+CSP	2019	2020	2021	2022	2023	2024	2025	2026
LOAD RESULTS								
ENERGY SALES	52595.	52251.	52085.	52079.	52153.	52319.	52509.	52804.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	52595.	52251.	52085.	52079.	52153.	52319.	52509.	52804.
PEAK AT METER (NON COINC.)	8891.	8809.	8802.	8800.	8810.	8821.	8882.	8939.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)	8891.	8809.	8802.	8800.	8810.	8821.	8882.	8939.
LOAD FACTOR	0.675	0.675	0.675	0.676	0.676	0.675	0.675	0.674
PEAK AT METER (COINC.)	8891.	8809.	8802.	8800.	8810.	8821.	8882.	8939.
PEAK LOSSES (COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (COINC.)	8891.	8809.	8802.	8800.	8810.	8821.	8882.	8939.
CAPACITY CREDIT (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
CUSTOMER COST (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
DSM EXPENSE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
EVALUATION EXPENSE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
EXTERNAL COST (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
FUEL SWITCH SAVINGS:								
RETAIL (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
WHOLESALE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
INCENTIVE PAYMENTS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
LOST REVENUES (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
SHAREHOLDER SAVINGS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL T&D CREDITS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
OTHER CUST. BENEFITS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.

CLASS: OPCO+CSP	2027	2028	2029	2030	2031	2032	2033	2034
LOAD RESULTS								
ENERGY SALES	44761.	45084.	45375.	45687.	46049.	46441.	46818.	47216.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	44761.	45084.	45375.	45687.	46049.	46441.	46818.	47216.
PEAK AT METER (NON COINC.)	7953.	8006.	8082.	8151.	8229.	8293.	8396.	8479.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.	0.	0.

SB Output Summary.REP

	7953.	8006.	8082.	8151.	8229.	8293.	8396.	8479.
PEAK DEMAND (NON COINC.)	7953.	8006.	8082.	8151.	8229.	8293.	8396.	8479.
LOAD FACTOR	0.643	0.641	0.641	0.640	0.639	0.638	0.637	0.636
PEAK AT METER (COINC.)	7953.	8006.	8082.	8151.	8229.	8293.	8396.	8479.
PEAK LOSSES (COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (COINC.)	7953.	8006.	8082.	8151.	8229.	8293.	8396.	8479.
CAPACITY CREDIT (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
CUSTOMER COST (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
DSM EXPENSE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
EVALUATION EXPENSE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
EXTERNAL COST (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
FUEL SWITCH SAVINGS:								
RETAIL (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
WHOLESALE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
INCENTIVE PAYMENTS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
LOST REVENUES (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
SHAREHOLDER SAVINGS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL T&D CREDITS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
OTHER CUST. BENEFITS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.

CLASS: OPCO+CSP

	2035	2036	2037	2038	2039	2040
LOAD RESULTS						
ENERGY SALES	47627.	48081.	48549.	49090.	49594.	50105.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	47627.	48081.	48549.	49090.	49594.	50105.
PEAK AT METER (NON COINC.)	8570.	8643.	8766.	8878.	8985.	9092.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)	8570.	8643.	8766.	8878.	8985.	9092.
LOAD FACTOR	0.634	0.633	0.632	0.631	0.630	0.627
PEAK AT METER (COINC.)	8570.	8643.	8766.	8878.	8985.	9092.
PEAK LOSSES (COINC.)	0.	0.	0.	0.	0.	0.
PEAK DEMAND (COINC.)	8570.	8643.	8766.	8878.	8985.	9092.
CAPACITY CREDIT (\$000)	0.	0.	0.	0.	0.	0.
CUSTOMER COST (\$000)	0.	0.	0.	0.	0.	0.
DSM EXPENSE (\$000)	0.	0.	0.	0.	0.	0.
EVALUATION EXPENSE (\$000)	0.	0.	0.	0.	0.	0.
EXTERNAL COST (\$000)	0.	0.	0.	0.	0.	0.
FUEL SWITCH SAVINGS:						
RETAIL (\$000)	0.	0.	0.	0.	0.	0.
WHOLESALE (\$000)	0.	0.	0.	0.	0.	0.
INCENTIVE PAYMENTS (\$000)	0.	0.	0.	0.	0.	0.
LOST REVENUES (\$000)	0.	0.	0.	0.	0.	0.
SHAREHOLDER SAVINGS (\$000)	0.	0.	0.	0.	0.	0.
TOTAL T&D CREDITS (\$000)	0.	0.	0.	0.	0.	0.
OTHER CUST. BENEFITS (\$000)	0.	0.	0.	0.	0.	0.

02/07/13 15:32:38 V04.0 R03.0

NewEnergy Associates  
Strategist Page 2

AEP EAST  
LOAD FORECAST ADJUSTMENT MODULE  
CLASS DETAIL REPORT

CLASS: I&M

	2011	2012	2013	2014	2015	2016	2017	2018
LOAD RESULTS								
ENERGY SALES	24987.	25544.	25767.	25759.	25690.	25618.	25593.	25585.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	24987.	25544.	25767.	25759.	25690.	25618.	25593.	25585.
PEAK AT METER (NON COINC.)	4396.	4476.	4529.	4518.	4510.	4491.	4499.	4500.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)	4396.	4476.	4529.	4518.	4510.	4491.	4499.	4500.
LOAD FACTOR	0.649	0.650	0.649	0.651	0.650	0.649	0.649	0.649
PEAK AT METER (COINC.)	4396.	4476.	4529.	4518.	4510.	4491.	4499.	4500.
PEAK LOSSES (COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (COINC.)	4396.	4476.	4529.	4518.	4510.	4491.	4499.	4500.
CAPACITY CREDIT (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
CUSTOMER COST (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
DSM EXPENSE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
EVALUATION EXPENSE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
EXTERNAL COST (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
FUEL SWITCH SAVINGS:								

SB Output Summary.REP

RETAIL (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
WHOLESALE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
INCENTIVE PAYMENTS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
LOST REVENUES (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
SHAREHOLDER SAVINGS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL T&D CREDITS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
OTHER CUST. BENEFITS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.

CLASS: I&M

	2019	2020	2021	2022	2023	2024	2025	2026
LOAD RESULTS								
ENERGY SALES	25605.	25691.	25847.	25998.	26147.	26298.	26459.	26621.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	25605.	25691.	25847.	25998.	26147.	26298.	26459.	26621.
PEAK AT METER (NON COINC.)	4508.	4515.	4558.	4589.	4620.	4641.	4687.	4722.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)	4508.	4515.	4558.	4589.	4620.	4641.	4687.	4722.
LOAD FACTOR	0.648	0.648	0.647	0.647	0.646	0.645	0.644	0.644
PEAK AT METER (COINC.)	4508.	4515.	4558.	4589.	4620.	4641.	4687.	4722.
PEAK LOSSES (COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (COINC.)	4508.	4515.	4558.	4589.	4620.	4641.	4687.	4722.
CAPACITY CREDIT (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
CUSTOMER COST (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
DSM EXPENSE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
EVALUATION EXPENSE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
EXTERNAL COST (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
FUEL SWITCH SAVINGS:								
RETAIL (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
WHOLESALE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
INCENTIVE PAYMENTS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
LOST REVENUES (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
SHAREHOLDER SAVINGS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL T&D CREDITS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
OTHER CUST. BENEFITS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.

CLASS: I&M

	2027	2028	2029	2030	2031	2032	2033	2034
LOAD RESULTS								
ENERGY SALES	26781.	26950.	27120.	27301.	27486.	27678.	27888.	28111.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	26781.	26950.	27120.	27301.	27486.	27678.	27888.	28111.
PEAK AT METER (NON COINC.)	4755.	4781.	4826.	4864.	4903.	4929.	4985.	5030.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)	4755.	4781.	4826.	4864.	4903.	4929.	4985.	5030.
LOAD FACTOR	0.643	0.642	0.641	0.641	0.640	0.639	0.639	0.638
PEAK AT METER (COINC.)	4755.	4781.	4826.	4864.	4903.	4929.	4985.	5030.
PEAK LOSSES (COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (COINC.)	4755.	4781.	4826.	4864.	4903.	4929.	4985.	5030.
CAPACITY CREDIT (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
CUSTOMER COST (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
DSM EXPENSE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
EVALUATION EXPENSE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
EXTERNAL COST (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
FUEL SWITCH SAVINGS:								
RETAIL (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
WHOLESALE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
INCENTIVE PAYMENTS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
LOST REVENUES (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
SHAREHOLDER SAVINGS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL T&D CREDITS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
OTHER CUST. BENEFITS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.

CLASS: I&M

	2035	2036	2037	2038	2039	2040
LOAD RESULTS						
ENERGY SALES	28325.	28528.	28727.	28937.	29117.	29298.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	28325.	28528.	28727.	28937.	29117.	29298.
PEAK AT METER (NON COINC.)	5074.	5103.	5160.	5203.	5243.	5283.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.

SB Output Summary.REP

	5074.	5103.	5160.	5203.	5243.	5283.
PEAK DEMAND (NON COINC.)	5074.	5103.	5160.	5203.	5243.	5283.
LOAD FACTOR	0.637	0.636	0.636	0.635	0.634	0.631
PEAK AT METER (COINC.)	5074.	5103.	5160.	5203.	5243.	5283.
PEAK LOSSES (COINC.)	0.	0.	0.	0.	0.	0.
PEAK DEMAND (COINC.)	5074.	5103.	5160.	5203.	5243.	5283.
CAPACITY CREDIT (\$000)	0.	0.	0.	0.	0.	0.
CUSTOMER COST (\$000)	0.	0.	0.	0.	0.	0.
DSM EXPENSE (\$000)	0.	0.	0.	0.	0.	0.
EVALUATION EXPENSE (\$000)	0.	0.	0.	0.	0.	0.
EXTERNAL COST (\$000)	0.	0.	0.	0.	0.	0.
FUEL SWITCH SAVINGS:						
RETAIL (\$000)	0.	0.	0.	0.	0.	0.
WHOLESALE (\$000)	0.	0.	0.	0.	0.	0.
INCENTIVE PAYMENTS (\$000)	0.	0.	0.	0.	0.	0.
LOST REVENUES (\$000)	0.	0.	0.	0.	0.	0.
SHAREHOLDER SAVINGS (\$000)	0.	0.	0.	0.	0.	0.
TOTAL T&D CREDITS (\$000)	0.	0.	0.	0.	0.	0.
OTHER CUST. BENEFITS (\$000)	0.	0.	0.	0.	0.	0.

4 02/07/13 15:32:38 V04.0 R03.0

NewEnergy Associates  
Strategist Page 3

AEP EAST  
LOAD FORECAST ADJUSTMENT MODULE  
CLASS DETAIL REPORT

CLASS: APCO	2011	2012	2013	2014	2015	2016	2017	2018
LOAD RESULTS								
ENERGY SALES	36064.	38900.	39252.	39456.	39566.	39789.	40044.	40345.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	36064.	38900.	39252.	39456.	39566.	39789.	40044.	40345.
PEAK AT METER (NON COINC.)	7114.	7467.	7527.	7559.	7590.	7604.	7624.	7668.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)	7114.	7467.	7527.	7559.	7590.	7604.	7624.	7668.
LOAD FACTOR	0.579	0.593	0.595	0.596	0.595	0.596	0.600	0.601
PEAK AT METER (COINC.)	7114.	7467.	7527.	7559.	7590.	7604.	7624.	7668.
PEAK LOSSES (COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (COINC.)	7114.	7467.	7527.	7559.	7590.	7604.	7624.	7668.
CAPACITY CREDIT (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
CUSTOMER COST (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
DSM EXPENSE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
EVALUATION EXPENSE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
EXTERNAL COST (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
FUEL SWITCH SAVINGS:								
RETAIL (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
WHOLESALE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
INCENTIVE PAYMENTS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
LOST REVENUES (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
SHAREHOLDER SAVINGS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL T&D CREDITS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
OTHER CUST. BENEFITS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.

CLASS: APCO	2019	2020	2021	2022	2023	2024	2025	2026
LOAD RESULTS								
ENERGY SALES	40699.	41054.	41431.	41791.	42171.	42547.	42925.	43274.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	40699.	41054.	41431.	41791.	42171.	42547.	42925.	43274.
PEAK AT METER (NON COINC.)	7718.	7741.	7825.	7879.	7891.	7927.	8012.	8072.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)	7718.	7741.	7825.	7879.	7891.	7927.	8012.	8072.
LOAD FACTOR	0.602	0.604	0.604	0.605	0.610	0.611	0.612	0.612
PEAK AT METER (COINC.)	7718.	7741.	7825.	7879.	7891.	7927.	8012.	8072.
PEAK LOSSES (COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (COINC.)	7718.	7741.	7825.	7879.	7891.	7927.	8012.	8072.
CAPACITY CREDIT (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
CUSTOMER COST (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
DSM EXPENSE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
EVALUATION EXPENSE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
EXTERNAL COST (\$000)	0.	0.	0.	0.	0.	0.	0.	0.



SB Output Summary.REP

FUEL SWITCH SAVINGS:									
RETAIL (\$000)	0.	0.	0.	0.	0.	0.	0.	0.	0.
WHOLESALE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.	0.
INCENTIVE PAYMENTS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOST REVENUES (\$000)	0.	0.	0.	0.	0.	0.	0.	0.	0.
SHAREHOLDER SAVINGS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL T&D CREDITS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.	0.
OTHER CUST. BENEFITS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.	0.

CLASS: APCO	2027	2028	2029	2030	2031	2032	2033	2034
LOAD RESULTS								
ENERGY SALES	43660.	44057.	44422.	44825.	45226.	45655.	46073.	46515.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	43660.	44057.	44422.	44825.	45226.	45655.	46073.	46515.
PEAK AT METER (NON COINC.)	8133.	8175.	8212.	8279.	8347.	8393.	8489.	8513.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)	8133.	8175.	8212.	8279.	8347.	8393.	8489.	8513.
LOAD FACTOR	0.613	0.614	0.618	0.618	0.619	0.619	0.620	0.624
PEAK AT METER (COINC.)	8133.	8175.	8212.	8279.	8347.	8393.	8489.	8513.
PEAK LOSSES (COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (COINC.)	8133.	8175.	8212.	8279.	8347.	8393.	8489.	8513.
CAPACITY CREDIT (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
CUSTOMER COST (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
DSM EXPENSE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
EVALUATION EXPENSE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
EXTERNAL COST (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
FUEL SWITCH SAVINGS:								
RETAIL (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
WHOLESALE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
INCENTIVE PAYMENTS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
LOST REVENUES (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
SHAREHOLDER SAVINGS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL T&D CREDITS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
OTHER CUST. BENEFITS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.

CLASS: APCO	2035	2036	2037	2038	2039	2040
LOAD RESULTS						
ENERGY SALES	46976.	47437.	47891.	48376.	48856.	49341.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	46976.	47437.	47891.	48376.	48856.	49341.
PEAK AT METER (NON COINC.)	8593.	8622.	8750.	8831.	8918.	9006.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)	8593.	8622.	8750.	8831.	8918.	9006.
LOAD FACTOR	0.624	0.626	0.625	0.625	0.625	0.624
PEAK AT METER (COINC.)	8593.	8622.	8750.	8831.	8918.	9006.
PEAK LOSSES (COINC.)	0.	0.	0.	0.	0.	0.
PEAK DEMAND (COINC.)	8593.	8622.	8750.	8831.	8918.	9006.
CAPACITY CREDIT (\$000)	0.	0.	0.	0.	0.	0.
CUSTOMER COST (\$000)	0.	0.	0.	0.	0.	0.
DSM EXPENSE (\$000)	0.	0.	0.	0.	0.	0.
EVALUATION EXPENSE (\$000)	0.	0.	0.	0.	0.	0.
EXTERNAL COST (\$000)	0.	0.	0.	0.	0.	0.
FUEL SWITCH SAVINGS:						
RETAIL (\$000)	0.	0.	0.	0.	0.	0.
WHOLESALE (\$000)	0.	0.	0.	0.	0.	0.
INCENTIVE PAYMENTS (\$000)	0.	0.	0.	0.	0.	0.
LOST REVENUES (\$000)	0.	0.	0.	0.	0.	0.
SHAREHOLDER SAVINGS (\$000)	0.	0.	0.	0.	0.	0.
TOTAL T&D CREDITS (\$000)	0.	0.	0.	0.	0.	0.
OTHER CUST. BENEFITS (\$000)	0.	0.	0.	0.	0.	0.

4 02/07/13 15:32:38 V04.0 R03.0

NewEnergy Associates  
Strategist Page 4

AEP EAST  
LOAD FORECAST ADJUSTMENT MODULE  
CLASS DETAIL REPORT

CLASS: KPCO	2011	2012	2013	2014	2015	2016	2017	2018
LOAD RESULTS								

SB Output Summary.REP

ENERGY SALES	7432.	7203.	7174.	7174.	7173.	7161.	7184.	7214.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	7432.	7203.	7174.	7174.	7173.	7161.	7184.	7214.
PEAK AT METER (NON COINC.)	1343.	1333.	1464.	1463.	1460.	1450.	1454.	1457.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)	1343.	1333.	1464.	1463.	1460.	1450.	1454.	1457.
LOAD FACTOR	0.632	0.615	0.559	0.560	0.561	0.562	0.564	0.565
PEAK AT METER (COINC.)	1343.	1333.	1464.	1463.	1460.	1450.	1454.	1457.
PEAK LOSSES (COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (COINC.)	1343.	1333.	1464.	1463.	1460.	1450.	1454.	1457.
CAPACITY CREDIT (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
CUSTOMER COST (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
DSM EXPENSE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
EVALUATION EXPENSE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
EXTERNAL COST (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
FUEL SWITCH SAVINGS:								
RETAIL (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
WHOLESALE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
INCENTIVE PAYMENTS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
LOST REVENUES (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
SHAREHOLDER SAVINGS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL T&D CREDITS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
OTHER CUST. BENEFITS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.

CLASS: KPCO

	2019	2020	2021	2022	2023	2024	2025	2026
LOAD RESULTS								
ENERGY SALES	7246.	7275.	7308.	7346.	7385.	7427.	7465.	7511.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	7246.	7275.	7308.	7346.	7385.	7427.	7465.	7511.
PEAK AT METER (NON COINC.)	1462.	1462.	1472.	1478.	1482.	1485.	1495.	1503.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)	1462.	1462.	1472.	1478.	1482.	1485.	1495.	1503.
LOAD FACTOR	0.566	0.567	0.567	0.567	0.569	0.569	0.570	0.570
PEAK AT METER (COINC.)	1462.	1462.	1472.	1478.	1482.	1485.	1495.	1503.
PEAK LOSSES (COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (COINC.)	1462.	1462.	1472.	1478.	1482.	1485.	1495.	1503.
CAPACITY CREDIT (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
CUSTOMER COST (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
DSM EXPENSE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
EVALUATION EXPENSE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
EXTERNAL COST (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
FUEL SWITCH SAVINGS:								
RETAIL (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
WHOLESALE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
INCENTIVE PAYMENTS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
LOST REVENUES (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
SHAREHOLDER SAVINGS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL T&D CREDITS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
OTHER CUST. BENEFITS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.

CLASS: KPCO

	2027	2028	2029	2030	2031	2032	2033	2034
LOAD RESULTS								
ENERGY SALES	7556.	7604.	7646.	7691.	7736.	7782.	7821.	7862.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	7556.	7604.	7646.	7691.	7736.	7782.	7821.	7862.
PEAK AT METER (NON COINC.)	1511.	1516.	1524.	1532.	1539.	1543.	1555.	1559.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)	1511.	1516.	1524.	1532.	1539.	1543.	1555.	1559.
LOAD FACTOR	0.571	0.571	0.573	0.573	0.574	0.574	0.574	0.576
PEAK AT METER (COINC.)	1511.	1516.	1524.	1532.	1539.	1543.	1555.	1559.
PEAK LOSSES (COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (COINC.)	1511.	1516.	1524.	1532.	1539.	1543.	1555.	1559.
CAPACITY CREDIT (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
CUSTOMER COST (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
DSM EXPENSE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
EVALUATION EXPENSE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.

SB Output Summary.REP

EXTERNAL COST (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
FUEL SWITCH SAVINGS:								
RETAIL (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
WHOLESALE (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
INCENTIVE PAYMENTS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
LOST REVENUES (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
SHAREHOLDER SAVINGS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL T&D CREDITS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.
OTHER CUST. BENEFITS (\$000)	0.	0.	0.	0.	0.	0.	0.	0.

CLASS: KPCO

----- 2035 2036 2037 2038 2039 2040

LOAD RESULTS

-----

ENERGY SALES	7904.	7948.	7991.	8034.	8077.	8119.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	7904.	7948.	7991.	8034.	8077.	8119.
PEAK AT METER (NON COINC.)	1566.	1564.	1582.	1590.	1598.	1598.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)	1566.	1564.	1582.	1590.	1598.	1598.
LOAD FACTOR	0.576	0.579	0.577	0.577	0.577	0.578
PEAK AT METER (COINC.)	1566.	1564.	1582.	1590.	1598.	1598.
PEAK LOSSES (COINC.)	0.	0.	0.	0.	0.	0.
PEAK DEMAND (COINC.)	1566.	1564.	1582.	1590.	1598.	1598.
CAPACITY CREDIT (\$000)	0.	0.	0.	0.	0.	0.
CUSTOMER COST (\$000)	0.	0.	0.	0.	0.	0.
DSM EXPENSE (\$000)	0.	0.	0.	0.	0.	0.
EVALUATION EXPENSE (\$000)	0.	0.	0.	0.	0.	0.
EXTERNAL COST (\$000)	0.	0.	0.	0.	0.	0.
FUEL SWITCH SAVINGS:						
RETAIL (\$000)	0.	0.	0.	0.	0.	0.
WHOLESALE (\$000)	0.	0.	0.	0.	0.	0.
INCENTIVE PAYMENTS (\$000)	0.	0.	0.	0.	0.	0.
LOST REVENUES (\$000)	0.	0.	0.	0.	0.	0.
SHAREHOLDER SAVINGS (\$000)	0.	0.	0.	0.	0.	0.
TOTAL T&D CREDITS (\$000)	0.	0.	0.	0.	0.	0.
OTHER CUST. BENEFITS (\$000)	0.	0.	0.	0.	0.	0.

‡ 02/07/13 15:32:38 V04.0 R03.0

NewEnergy Associates  
Strategist Page

5

AEP EAST  
LOAD FORECAST ADJUSTMENT MODULE  
GROUP DETAIL REPORT

CLASS: OPCO+CSP

LOAD GROUP: CSP

PEAK AND ENERGY RESULTS	2011	2012	2013	2014	2015	2016	2017	2018
-----								
ENERGY SALES	19052.	18141.	18036.	17955.	17807.	17684.	17594.	17521.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	19052.	18141.	18036.	17955.	17807.	17684.	17594.	17521.
PEAK AT METER (NON COINC.)	3677.	3505.	3502.	3497.	3481.	3462.	3464.	3463.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)	3677.	3505.	3502.	3497.	3481.	3462.	3464.	3463.
PEAK AT METER (COINC.)	3677.	3505.	3502.	3497.	3388.	3366.	3365.	3362.
PEAK DEMAND (COINC.)	3677.	3505.	3502.	3497.	3388.	3366.	3365.	3362.
LOAD FACTOR	0.591	0.589	0.588	0.586	0.584	0.582	0.580	0.578

‡ 02/07/13 15:32:38 V04.0 R03.0

NewEnergy Associates  
Strategist Page

6

AEP EAST  
LOAD FORECAST ADJUSTMENT MODULE  
GROUP DETAIL REPORT

CLASS: OPCO+CSP

LOAD GROUP: CSP

PEAK AND ENERGY RESULTS	2019	2020	2021	2022	2023	2024	2025	2026
-----								
ENERGY SALES	17388.	17180.	17066.	17028.	17036.	17095.	17179.	17303.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	17388.	17180.	17066.	17028.	17036.	17095.	17179.	17303.
PEAK AT METER (NON COINC.)	3449.	3412.	3407.	3409.	3417.	3430.	3464.	3497.

SB Output Summary.REP

	0.	0.	0.	0.	0.	0.	0.	0.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)	3449.	3412.	3407.	3409.	3417.	3430.	3464.	3497.
PEAK AT METER (COINC.)	3345.	3305.	3299.	3298.	3303.	3313.	3345.	3376.
PEAK DEMAND (COINC.)	3345.	3305.	3299.	3298.	3303.	3313.	3345.	3376.
LOAD FACTOR	0.576	0.573	0.572	0.570	0.569	0.567	0.566	0.565

‡ 02/07/13 15:32:38 V04.0 R03.0  
 NewEnergy Associates  
 Strategist Page 7

AEP EAST  
 LOAD FORECAST ADJUSTMENT MODULE  
 GROUP DETAIL REPORT

CLASS: OPCO+CSP  
 LOAD GROUP: CSP

	2027	2028	2029	2030	2031	2032	2033	2034
PEAK AND ENERGY RESULTS								
ENERGY SALES	17450.	17618.	17774.	17942.	18144.	18365.	18583.	18814.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	17450.	17618.	17774.	17942.	18144.	18365.	18583.	18814.
PEAK AT METER (NON COINC.)	3536.	3571.	3618.	3661.	3711.	3757.	3819.	3872.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)	3536.	3571.	3618.	3661.	3711.	3757.	3819.	3872.
PEAK AT METER (COINC.)	3412.	3443.	3485.	3525.	3572.	3616.	3676.	3727.
PEAK DEMAND (COINC.)	3412.	3443.	3485.	3525.	3572.	3616.	3676.	3727.
LOAD FACTOR	0.563	0.562	0.561	0.559	0.558	0.556	0.555	0.555

‡ 02/07/13 15:32:38 V04.0 R03.0  
 NewEnergy Associates  
 Strategist Page 8

AEP EAST  
 LOAD FORECAST ADJUSTMENT MODULE  
 GROUP DETAIL REPORT

CLASS: OPCO+CSP  
 LOAD GROUP: CSP

	2035	2036	2037	2038	2039	2040		
PEAK AND ENERGY RESULTS								
ENERGY SALES	19052.	19310.	19574.	19857.	20145.	20438.		
ENERGY LOSSES	0.	0.	0.	0.	0.	0.		
ENERGY REQUIREMENTS	19052.	19310.	19574.	19857.	20145.	20438.		
PEAK AT METER (NON COINC.)	3932.	3983.	4058.	4126.	4195.	4265.		
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.		
PEAK DEMAND (NON COINC.)	3932.	3983.	4058.	4126.	4195.	4265.		
PEAK AT METER (COINC.)	3784.	3833.	3904.	3970.	4036.	4102.		
PEAK DEMAND (COINC.)	3784.	3833.	3904.	3970.	4036.	4102.		
LOAD FACTOR	0.553	0.552	0.551	0.549	0.548	0.546		

‡ 02/07/13 15:32:38 V04.0 R03.0  
 NewEnergy Associates  
 Strategist Page 9

AEP EAST  
 LOAD FORECAST ADJUSTMENT MODULE  
 GROUP DETAIL REPORT

CLASS: OPCO+CSP  
 LOAD GROUP: OPCO

	2011	2012	2013	2014	2015	2016	2017	2018
PEAK AND ENERGY RESULTS								
ENERGY SALES	37875.	35273.	35058.	35122.	35147.	35199.	35197.	35243.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	37875.	35273.	35058.	35122.	35147.	35199.	35197.	35243.
PEAK AT METER (NON COINC.)	6132.	5695.	5665.	5663.	5658.	5645.	5651.	5653.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)	6132.	5695.	5665.	5663.	5658.	5645.	5651.	5653.
PEAK AT METER (COINC.)	5958.	5529.	5497.	5495.	5560.	5546.	5553.	5555.
PEAK DEMAND (COINC.)	5958.	5529.	5497.	5495.	5560.	5546.	5553.	5555.
LOAD FACTOR	0.705	0.705	0.706	0.708	0.709	0.710	0.711	0.712

‡ 02/07/13 15:32:38 V04.0 R03.0  
 NewEnergy Associates  
 Strategist Page 10

SB Output Summary.REP  
AEP EAST  
LOAD FORECAST ADJUSTMENT MODULE  
GROUP DETAIL REPORT

CLASS: OPCO+CSP  
LOAD GROUP: OPCO

	2019	2020	2021	2022	2023	2024	2025	2026
PEAK AND ENERGY RESULTS								
ENERGY SALES	35207.	35071.	35019.	35052.	35117.	35224.	35331.	35501.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	35207.	35071.	35019.	35052.	35117.	35224.	35331.	35501.
PEAK AT METER (NON COINC.)	5643.	5599.	5598.	5598.	5603.	5603.	5632.	5658.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)	5643.	5599.	5598.	5598.	5603.	5603.	5632.	5658.
PEAK AT METER (COINC.)	5546.	5504.	5503.	5502.	5507.	5508.	5537.	5563.
PEAK DEMAND (COINC.)	5546.	5504.	5503.	5502.	5507.	5508.	5537.	5563.
LOAD FACTOR	0.712	0.713	0.714	0.715	0.715	0.716	0.716	0.716
							NewEnergy Associates	
							Strategist	Page
								11

‡ 02/07/13 15:32:38 V04.0 R03.0

AEP EAST  
LOAD FORECAST ADJUSTMENT MODULE  
GROUP DETAIL REPORT

CLASS: OPCO+CSP  
LOAD GROUP: OPCO

	2027	2028	2029	2030	2031	2032	2033	2034
PEAK AND ENERGY RESULTS								
ENERGY SALES	27310.	27467.	27601.	27745.	27906.	28076.	28235.	28401.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	27310.	27467.	27601.	27745.	27906.	28076.	28235.	28401.
PEAK AT METER (NON COINC.)	4637.	4659.	4694.	4723.	4755.	4776.	4820.	4853.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)	4637.	4659.	4694.	4723.	4755.	4776.	4820.	4853.
PEAK AT METER (COINC.)	4541.	4563.	4597.	4626.	4657.	4677.	4720.	4752.
PEAK DEMAND (COINC.)	4541.	4563.	4597.	4626.	4657.	4677.	4720.	4752.
LOAD FACTOR	0.672	0.671	0.671	0.671	0.670	0.669	0.669	0.668
							NewEnergy Associates	
							Strategist	Page
								12

‡ 02/07/13 15:32:38 V04.0 R03.0

AEP EAST  
LOAD FORECAST ADJUSTMENT MODULE  
GROUP DETAIL REPORT

CLASS: OPCO+CSP  
LOAD GROUP: OPCO

	2035	2036	2037	2038	2039	2040		
PEAK AND ENERGY RESULTS								
ENERGY SALES	28575.	28771.	28975.	29233.	29449.	29667.		
ENERGY LOSSES	0.	0.	0.	0.	0.	0.		
ENERGY REQUIREMENTS	28575.	28771.	28975.	29233.	29449.	29667.		
PEAK AT METER (NON COINC.)	4888.	4912.	4966.	5013.	5055.	5097.		
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.		
PEAK DEMAND (NON COINC.)	4888.	4912.	4966.	5013.	5055.	5097.		
PEAK AT METER (COINC.)	4786.	4810.	4862.	4908.	4949.	4990.		
PEAK DEMAND (COINC.)	4786.	4810.	4862.	4908.	4949.	4990.		
LOAD FACTOR	0.667	0.667	0.666	0.666	0.665	0.663		
							NewEnergy Associates	
							Strategist	Page
								13

‡ 02/07/13 15:32:38 V04.0 R03.0

AEP EAST  
LOAD FORECAST ADJUSTMENT MODULE  
GROUP DETAIL REPORT

CLASS: I&M  
LOAD GROUP: I&M

	2011	2012	2013	2014	2015	2016	2017	2018
PEAK AND ENERGY RESULTS								

SB Output Summary.REP

ENERGY SALES	24987.	25544.	25767.	25759.	25690.	25618.	25593.	25585.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	24987.	25544.	25767.	25759.	25690.	25618.	25593.	25585.
PEAK AT METER (NON COINC.)	4396.	4476.	4529.	4518.	4510.	4491.	4499.	4500.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)	4396.	4476.	4529.	4518.	4510.	4491.	4499.	4500.
PEAK AT METER (COINC.)	4396.	4476.	4529.	4518.	4510.	4491.	4499.	4500.
PEAK DEMAND (COINC.)	4396.	4476.	4529.	4518.	4510.	4491.	4499.	4500.
LOAD FACTOR	0.649	0.650	0.649	0.651	0.650	0.649	0.649	0.649

‡ 02/07/13 15:32:38 V04.0 R03.0  
 NewEnergy Associates  
 Strategist Page 14

AEP EAST  
 LOAD FORECAST ADJUSTMENT MODULE  
 GROUP DETAIL REPORT

CLASS: I&M

LOAD GROUP: I&M

	2019	2020	2021	2022	2023	2024	2025	2026
PEAK AND ENERGY RESULTS								
ENERGY SALES	25605.	25691.	25847.	25998.	26147.	26298.	26459.	26621.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	25605.	25691.	25847.	25998.	26147.	26298.	26459.	26621.
PEAK AT METER (NON COINC.)	4508.	4515.	4558.	4589.	4620.	4641.	4687.	4722.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)	4508.	4515.	4558.	4589.	4620.	4641.	4687.	4722.
PEAK AT METER (COINC.)	4508.	4515.	4558.	4589.	4620.	4641.	4687.	4722.
PEAK DEMAND (COINC.)	4508.	4515.	4558.	4589.	4620.	4641.	4687.	4722.
LOAD FACTOR	0.648	0.648	0.647	0.647	0.646	0.645	0.644	0.644

‡ 02/07/13 15:32:39 V04.0 R03.0  
 NewEnergy Associates  
 Strategist Page 15

AEP EAST  
 LOAD FORECAST ADJUSTMENT MODULE  
 GROUP DETAIL REPORT

CLASS: I&M

LOAD GROUP: I&M

	2027	2028	2029	2030	2031	2032	2033	2034
PEAK AND ENERGY RESULTS								
ENERGY SALES	26781.	26950.	27120.	27301.	27486.	27678.	27888.	28111.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	26781.	26950.	27120.	27301.	27486.	27678.	27888.	28111.
PEAK AT METER (NON COINC.)	4755.	4781.	4826.	4864.	4903.	4929.	4985.	5030.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)	4755.	4781.	4826.	4864.	4903.	4929.	4985.	5030.
PEAK AT METER (COINC.)	4755.	4781.	4826.	4864.	4903.	4929.	4985.	5030.
PEAK DEMAND (COINC.)	4755.	4781.	4826.	4864.	4903.	4929.	4985.	5030.
LOAD FACTOR	0.643	0.642	0.641	0.641	0.640	0.639	0.639	0.638

‡ 02/07/13 15:32:39 V04.0 R03.0  
 NewEnergy Associates  
 Strategist Page 16

AEP EAST  
 LOAD FORECAST ADJUSTMENT MODULE  
 GROUP DETAIL REPORT

CLASS: I&M

LOAD GROUP: I&M

	2035	2036	2037	2038	2039	2040
PEAK AND ENERGY RESULTS						
ENERGY SALES	28325.	28528.	28727.	28937.	29117.	29298.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	28325.	28528.	28727.	28937.	29117.	29298.
PEAK AT METER (NON COINC.)	5074.	5103.	5160.	5203.	5243.	5283.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)	5074.	5103.	5160.	5203.	5243.	5283.

SB Output Summary.REP

PEAK AT METER (COINC.)	5074.	5103.	5160.	5203.	5243.	5283.		
PEAK DEMAND (COINC.)	5074.	5103.	5160.	5203.	5243.	5283.		
LOAD FACTOR	0.637	0.636	0.636	0.635	0.634	0.631		

‡ 02/07/13 15:32:39 V04.0 R03.0

NewEnergy Associates  
Strategist Page 17

AEP EAST  
LOAD FORECAST ADJUSTMENT MODULE  
GROUP DETAIL REPORT

CLASS: APCO

LOAD GROUP: APCO

	2011	2012	2013	2014	2015	2016	2017	2018
PEAK AND ENERGY RESULTS								
ENERGY SALES	36064.	38900.	39252.	39456.	39566.	39789.	40044.	40345.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	36064.	38900.	39252.	39456.	39566.	39789.	40044.	40345.
PEAK AT METER (NON COINC.)	7114.	7467.	7527.	7559.	7590.	7604.	7624.	7668.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)	7114.	7467.	7527.	7559.	7590.	7604.	7624.	7668.
PEAK AT METER (COINC.)	7114.	7467.	7527.	7559.	7590.	7604.	7624.	7668.
PEAK DEMAND (COINC.)	7114.	7467.	7527.	7559.	7590.	7604.	7624.	7668.
LOAD FACTOR	0.579	0.593	0.595	0.596	0.595	0.596	0.600	0.601

‡ 02/07/13 15:32:39 V04.0 R03.0

NewEnergy Associates  
Strategist Page 18

AEP EAST  
LOAD FORECAST ADJUSTMENT MODULE  
GROUP DETAIL REPORT

CLASS: APCO

LOAD GROUP: APCO

	2019	2020	2021	2022	2023	2024	2025	2026
PEAK AND ENERGY RESULTS								
ENERGY SALES	40699.	41054.	41431.	41791.	42171.	42547.	42925.	43274.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	40699.	41054.	41431.	41791.	42171.	42547.	42925.	43274.
PEAK AT METER (NON COINC.)	7718.	7741.	7825.	7879.	7891.	7927.	8012.	8072.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)	7718.	7741.	7825.	7879.	7891.	7927.	8012.	8072.
PEAK AT METER (COINC.)	7718.	7741.	7825.	7879.	7891.	7927.	8012.	8072.
PEAK DEMAND (COINC.)	7718.	7741.	7825.	7879.	7891.	7927.	8012.	8072.
LOAD FACTOR	0.602	0.604	0.604	0.605	0.610	0.611	0.612	0.612

‡ 02/07/13 15:32:39 V04.0 R03.0

NewEnergy Associates  
Strategist Page 19

AEP EAST  
LOAD FORECAST ADJUSTMENT MODULE  
GROUP DETAIL REPORT

CLASS: APCO

LOAD GROUP: APCO

	2027	2028	2029	2030	2031	2032	2033	2034
PEAK AND ENERGY RESULTS								
ENERGY SALES	43660.	44057.	44422.	44825.	45226.	45655.	46073.	46515.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	43660.	44057.	44422.	44825.	45226.	45655.	46073.	46515.
PEAK AT METER (NON COINC.)	8133.	8175.	8212.	8279.	8347.	8393.	8489.	8513.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)	8133.	8175.	8212.	8279.	8347.	8393.	8489.	8513.
PEAK AT METER (COINC.)	8133.	8175.	8212.	8279.	8347.	8393.	8489.	8513.
PEAK DEMAND (COINC.)	8133.	8175.	8212.	8279.	8347.	8393.	8489.	8513.
LOAD FACTOR	0.613	0.614	0.618	0.618	0.619	0.619	0.620	0.624

‡ 02/07/13 15:32:39 V04.0 R03.0

NewEnergy Associates  
Strategist Page 20

AEP EAST  
LOAD FORECAST ADJUSTMENT MODULE  
GROUP DETAIL REPORT

SB Output Summary.REP

CLASS: APCO

LOAD GROUP: APCO

	2035	2036	2037	2038	2039	2040
PEAK AND ENERGY RESULTS						
ENERGY SALES	46976.	47437.	47891.	48376.	48856.	49341.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	46976.	47437.	47891.	48376.	48856.	49341.
PEAK AT METER (NON COINC.)	8593.	8622.	8750.	8831.	8918.	9006.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)	8593.	8622.	8750.	8831.	8918.	9006.
PEAK AT METER (COINC.)	8593.	8622.	8750.	8831.	8918.	9006.
PEAK DEMAND (COINC.)	8593.	8622.	8750.	8831.	8918.	9006.
LOAD FACTOR	0.624	0.626	0.625	0.625	0.625	0.624

‡ 02/07/13 15:32:39 V04.0 R03.0

NewEnergy Associates  
Strategist Page 21

AEP EAST  
LOAD FORECAST ADJUSTMENT MODULE  
GROUP DETAIL REPORT

CLASS: KPCO

LOAD GROUP: KPCO

	2011	2012	2013	2014	2015	2016	2017	2018
PEAK AND ENERGY RESULTS								
ENERGY SALES	7432.	7203.	7174.	7174.	7173.	7161.	7184.	7214.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	7432.	7203.	7174.	7174.	7173.	7161.	7184.	7214.
PEAK AT METER (NON COINC.)	1343.	1333.	1464.	1463.	1460.	1450.	1454.	1457.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)	1343.	1333.	1464.	1463.	1460.	1450.	1454.	1457.
PEAK AT METER (COINC.)	1343.	1333.	1464.	1463.	1460.	1450.	1454.	1457.
PEAK DEMAND (COINC.)	1343.	1333.	1464.	1463.	1460.	1450.	1454.	1457.
LOAD FACTOR	0.632	0.615	0.559	0.560	0.561	0.562	0.564	0.565

‡ 02/07/13 15:32:39 V04.0 R03.0

NewEnergy Associates  
Strategist Page 22

AEP EAST  
LOAD FORECAST ADJUSTMENT MODULE  
GROUP DETAIL REPORT

CLASS: KPCO

LOAD GROUP: KPCO

	2019	2020	2021	2022	2023	2024	2025	2026
PEAK AND ENERGY RESULTS								
ENERGY SALES	7246.	7275.	7308.	7346.	7385.	7427.	7465.	7511.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.	0.	0.
ENERGY REQUIREMENTS	7246.	7275.	7308.	7346.	7385.	7427.	7465.	7511.
PEAK AT METER (NON COINC.)	1462.	1462.	1472.	1478.	1482.	1485.	1495.	1503.
PEAK LOSSES (NON COINC.)	0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)	1462.	1462.	1472.	1478.	1482.	1485.	1495.	1503.
PEAK AT METER (COINC.)	1462.	1462.	1472.	1478.	1482.	1485.	1495.	1503.
PEAK DEMAND (COINC.)	1462.	1462.	1472.	1478.	1482.	1485.	1495.	1503.
LOAD FACTOR	0.566	0.567	0.567	0.567	0.569	0.569	0.570	0.570

‡ 02/07/13 15:32:39 V04.0 R03.0

NewEnergy Associates  
Strategist Page 23

AEP EAST  
LOAD FORECAST ADJUSTMENT MODULE  
GROUP DETAIL REPORT

CLASS: KPCO

LOAD GROUP: KPCO

	2027	2028	2029	2030	2031	2032	2033	2034
PEAK AND ENERGY RESULTS								
ENERGY SALES	7556.	7604.	7646.	7691.	7736.	7782.	7821.	7862.
ENERGY LOSSES	0.	0.	0.	0.	0.	0.	0.	0.



		SB Output Summary.REP							
		7556.	7604.	7646.	7691.	7736.	7782.	7821.	7862.
ENERGY REQUIREMENTS		7556.	7604.	7646.	7691.	7736.	7782.	7821.	7862.
PEAK AT METER (NON COINC.)		1511.	1516.	1524.	1532.	1539.	1543.	1555.	1559.
PEAK LOSSES (NON COINC.)		0.	0.	0.	0.	0.	0.	0.	0.
PEAK DEMAND (NON COINC.)		1511.	1516.	1524.	1532.	1539.	1543.	1555.	1559.
PEAK AT METER (COINC.)		1511.	1516.	1524.	1532.	1539.	1543.	1555.	1559.
PEAK DEMAND (COINC.)		1511.	1516.	1524.	1532.	1539.	1543.	1555.	1559.
LOAD FACTOR		0.571	0.571	0.573	0.573	0.574	0.574	0.574	0.576

‡ 02/07/13 15:32:39 V04.0 R03.0

NewEnergy Associates  
Strategist Page 24

AEP EAST  
LOAD FORECAST ADJUSTMENT MODULE  
GROUP DETAIL REPORT

CLASS: KPCO									
LOAD GROUP: KPCO									
PEAK AND ENERGY RESULTS		2035	2036	2037	2038	2039	2040		
ENERGY SALES		7904.	7948.	7991.	8034.	8077.	8119.		
ENERGY LOSSES		0.	0.	0.	0.	0.	0.		
ENERGY REQUIREMENTS		7904.	7948.	7991.	8034.	8077.	8119.		
PEAK AT METER (NON COINC.)		1566.	1564.	1582.	1590.	1598.	1598.		
PEAK LOSSES (NON COINC.)		0.	0.	0.	0.	0.	0.		
PEAK DEMAND (NON COINC.)		1566.	1564.	1582.	1590.	1598.	1598.		
PEAK AT METER (COINC.)		1566.	1564.	1582.	1590.	1598.	1598.		
PEAK DEMAND (COINC.)		1566.	1564.	1582.	1590.	1598.	1598.		
LOAD FACTOR		0.576	0.579	0.577	0.577	0.577	0.578		

‡ 02/07/13 15:32:39 V04.0 R03.0

NewEnergy Associates  
Strategist Page 25

AEP EAST  
GENERATION AND FUEL MODULE  
SYSTEM REPORT

SYSTEM RESULTS FROM COMPANY SUMMATION									
AEP SYSTEM		2011	2012	2013	2014	2015	2016	2017	2018
ENERGY REQUIRED	GWH	125411.	125061.	125286.	125465.	125383.	125451.	125612.	125908.
DUMP ENERGY	GWH	28.	8.	30.	21.	28.	17.	6.	10.
THERM GENERATION	GWH	137738.	142759.	136022.	141872.	127816.	132151.	135824.	133688.
HYDRO GENERATION	GWH	973.	999.	970.	1015.	1015.	1015.	1015.	1015.
PUMP. GENERATION	GWH	359.	347.	348.	375.	334.	344.	369.	357.
PUMPING ENERGY	GWH	-367.	-349.	-351.	-389.	-331.	-345.	-382.	-364.
EMERGENCY ENERGY	GWH	276.	360.	248.	289.	166.	146.	117.	173.
NET TRANSACTIONS	GWH	-13540.	-19045.	-11921.	-17676.	-3589.	-7844.	-11326.	-8951.
PEAK LOAD	MW	19625.	20386.	20469.	20210.	20048.	19867.	19747.	19785.
LOAD FACTOR	PCT	72.95	69.84	69.87	70.87	71.40	71.89	72.61	72.65
INSTALLED CAPACITY	MW	23994.	24952.	25478.	25929.	21915.	22645.	22450.	22117.
RESERVE MARGIN	MW	4368.	4566.	5009.	5719.	1868.	2778.	2703.	2332.
RESERVE MARGIN	PCT	22.26	22.40	24.47	28.30	9.32	13.98	13.69	11.79
CAPACITY MARGIN	PCT	18.21	18.30	19.66	22.06	8.52	12.27	12.04	10.54
ENERGY RESV MARGIN	PCT	-93.83	-93.26	-93.15	-92.47	-92.09	-92.11	-92.03	-92.04
RENEWABLE ENERGY	PCT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL BURNED	000 MBTU	1351504.	1398082.	1331088.	1386167.	1253311.	1292762.	1327155.	1307798.
FIXED FUEL COST	\$000	11594.	11714.	6776.	5216.	5348.	5484.	5624.	5768.
TOTAL FUEL COST	\$000	2901866.	3251876.	3464014.	3704877.	3536334.	3821034.	3939364.	4045630.
VAR. O&M COST	\$000	375131.	409933.	393911.	424054.	404329.	493032.	506370.	517642.
FIXED O&M COST	\$000	429426.	544374.	642264.	768624.	1008735.	1122116.	1263027.	1242856.
TOTAL THERM COST	\$000	3706422.	4206182.	4500189.	4897556.	4949398.	5436182.	5708760.	5806128.
THERMAL COST	\$/MWH	26.91	29.46	33.08	34.52	38.72	41.14	42.03	43.43
TOTAL EMISS. COST	\$000	41470.	137788.	95617.	89793.	46279.	37105.	26541.	10813.
HYD VAR COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
HYD FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
NET TRANS COST	\$000	-366373.	-580973.	-363174.	-449502.	311830.	139391.	46482.	167249.
EMER ENERGY COST	\$000	20241.	27328.	19893.	23660.	15015.	14368.	11944.	18569.
TOTAL SYS. COST	\$000	3401762.	3790324.	4252526.	4561507.	5322522.	5627048.	5793728.	6002760.
SYSTEM COST	\$/MWH	27.12	30.31	33.94	36.36	42.45	44.85	46.12	47.68
AVG. MARG. COST	\$/MWH	37.32	42.69	43.95	46.92	49.30	54.58	54.31	55.94
TRANS PURCH	GWH	8808.	11187.	11487.	12337.	13543.	14030.	14169.	14210.
TRANS PURCH COST	\$000	637573.	855711.	936203.	1190182.	1335360.	1501013.	1525217.	1545303.
TRANS SALES	GWH	2096.	2168.	944.	687.	833.	817.	1033.	1230.
TRANS SALES REV.	\$000	85218.	90251.	62208.	56940.	68650.	74027.	91424.	108616.
UNIT PURCH	GWH	403.	509.	463.	523.	466.	552.	478.	443.
UNIT PURCH COST	\$000	24444.	32589.	31926.	38621.	35049.	44474.	39461.	37574.
UNIT SALES	GWH	0.	0.	0.	0.	0.	0.	0.	0.
UNIT SALES REV.	\$000	0.	0.	0.	0.	0.	0.	0.	0.

SB Output Summary.REP									
ECON ENERGY PURCH	GWH	7237.	8417.	10724.	9221.	11835.	10903.	9207.	9760.
PURCH COST	\$000	212758.	306143.	348595.	323734.	496253.	532307.	477010.	514856.
AVE. PURCH COST	\$/MWH	29.40	36.37	32.51	35.11	41.93	48.82	51.81	52.75
ECON ENERGY SALES	GWH	27892.	36990.	33651.	39071.	28599.	32512.	34148.	32133.
SALES REV.	\$000	1155930.	1685166.	1617690.	1945100.	1486182.	1864376.	1903783.	1821868.
AVE. SALES REV.	\$/MWH	41.44	45.56	48.07	49.78	51.97	57.34	55.75	56.70
NET ECON ENERGY	GWH	-20655.	-28573.	-22927.	-29850.	-16765.	-21609.	-24941.	-22373.
NET ECON COST	\$000	-943172.	-1379022.	-1269096.	-1621366.	-989929.	-1332070.	-1426773.	-1307012.
TOTAL PURCH	GWH	16448.	20113.	22674.	22082.	25843.	25485.	23854.	24413.
TOTAL PURCH	\$000	874775.	1194442.	1316724.	1552537.	1866661.	2077794.	2041688.	2097734.
TOTAL SALES	GWH	29988.	39158.	34595.	39757.	29432.	33329.	35180.	33363.
TOTAL SALES	\$000	1241147.	1775416.	1679899.	2002039.	1554832.	1938403.	1995206.	1930484.
EXTERNAL COSTS	\$000	0.	0.	0.	0.	0.	0.	0.	0.
CUST. IMPACT COSTS	\$000	0.	0.	0.	0.	0.	0.	0.	0.

02/07/13 15:32:39 V04.0 R03.0

NewEnergy Associates  
Strategist Page 26

AEP EAST  
GENERATION AND FUEL MODULE  
SYSTEM REPORT

SYSTEM RESULTS FROM COMPANY SUMMATION

AEP SYSTEM		2019	2020	2021	2022	2023	2024	2025	2026
ENERGY REQUIRED	GWH	126145.	126271.	126672.	127214.	127855.	128591.	129358.	130210.
DUMP ENERGY	GWH	8.	7.	5.	16.	16.	13.	14.	21.
THERM GENERATION	GWH	131223.	136058.	137046.	132171.	131525.	130982.	131478.	132630.
HYDRO GENERATION	GWH	1015.	1015.	1015.	1015.	1015.	1015.	1015.	1015.
PUMP. GENERATION	GWH	351.	344.	353.	350.	333.	290.	336.	300.
PUMPING ENERGY	GWH	-355.	-345.	-358.	-353.	-329.	-268.	-334.	-282.
EMERGENCY ENERGY	GWH	249.	150.	214.	227.	313.	257.	261.	278.
NET TRANSACTIONS	GWH	-6330.	-10943.	-11593.	-6180.	-4985.	-3672.	-3384.	-3710.
PEAK LOAD	MW	19848.	19870.	19924.	20013.	20025.	20073.	20277.	19468.
LOAD FACTOR	PCT	72.55	72.34	72.58	72.56	72.88	72.93	72.83	76.35
INSTALLED CAPACITY	MW	22353.	22385.	22976.	22963.	23149.	23023.	23256.	22175.
RESERVE MARGIN	MW	2505.	2514.	3052.	2950.	3124.	2949.	2980.	2707.
RESERVE MARGIN	PCT	12.62	12.65	15.32	14.74	15.60	14.69	14.69	13.91
CAPACITY MARGIN	PCT	11.21	11.23	13.28	12.85	13.49	12.81	12.81	12.21
ENERGY RESV MARGIN	PCT	-92.10	-91.93	-91.93	-91.90	-91.89	-91.88	-91.83	-91.83
RENEWABLE ENERGY	PCT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL BURNED	000 MBTU	1281682.	1330919.	1334666.	1289897.	1284614.	1278911.	1281909.	1297845.
FIXED FUEL COST	\$000	5916.	6069.	6226.	6387.	6553.	6724.	6899.	7079.
TOTAL FUEL COST	\$000	4058003.	4234498.	4378070.	4290364.	4361492.	4463005.	4589076.	4769601.
VAR. O&M COST	\$000	516588.	512714.	535180.	519511.	525712.	549678.	557191.	586466.
FIXED O&M COST	\$000	1985981.	1307268.	1658040.	1572942.	1618641.	1744856.	1762341.	1937890.
TOTAL THERM COST	\$000	6560572.	6054478.	6571292.	6382818.	6505844.	6757539.	6908608.	7293958.
THERMAL COST	\$/MWH	50.00	44.50	47.95	48.29	49.46	51.59	52.55	54.99
TOTAL EMISS. COST	\$000	10439.	0.	0.	1493992.	1495766.	1502288.	1539840.	1564708.
HYD VAR COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
HYD FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
NET TRANS COST	\$000	286274.	112806.	34388.	110292.	219482.	328809.	363784.	389554.
EMER ENERGY COST	\$000	25450.	16766.	23101.	27185.	37198.	32383.	33484.	35710.
TOTAL SYS. COST	\$000	6882734.	6184051.	6628781.	8014288.	8258290.	8621020.	8845716.	9283930.
SYSTEM COST	\$/MWH	54.56	48.97	52.33	63.00	64.59	67.04	68.38	71.30
AVG. MARG. COST	\$/MWH	56.92	57.94	59.59	70.05	71.82	74.20	75.90	78.37
TRANS PURCH	GWH	14189.	14699.	14870.	15233.	15531.	15923.	16491.	16816.
TRANS PURCH COST	\$000	1554786.	1630499.	1687056.	1768071.	1835328.	1925164.	2024680.	2106619.
TRANS SALES	GWH	1280.	1303.	1385.	1458.	1531.	1598.	1696.	1788.
TRANS SALES REV.	\$000	116437.	122505.	151843.	163973.	169471.	180716.	197690.	215450.
UNIT PURCH	GWH	448.	463.	446.	340.	331.	341.	331.	332.
UNIT PURCH COST	\$000	38807.	40556.	40362.	32086.	31968.	33969.	33975.	34564.
UNIT SALES	GWH	0.	0.	0.	0.	0.	0.	0.	0.
UNIT SALES REV.	\$000	0.	0.	0.	0.	0.	0.	0.	0.
ECON ENERGY PURCH	GWH	9861.	10550.	8612.	10447.	10821.	11964.	10032.	12140.
PURCH COST	\$000	535199.	584782.	473940.	656142.	696533.	804218.	684606.	850555.
AVE. PURCH COST	\$/MWH	54.27	55.43	55.03	62.81	64.37	67.22	68.24	70.06
ECON ENERGY SALES	GWH	29548.	35352.	34135.	30743.	30137.	30301.	28542.	31210.
SALES REV.	\$000	1726082.	2020526.	2015127.	2182033.	2174876.	2253827.	2181790.	2386734.
AVE. SALES REV.	\$/MWH	58.42	57.15	59.03	70.98	72.17	74.38	76.44	76.47
NET ECON ENERGY	GWH	-19687.	-24802.	-25523.	-20296.	-19317.	-18338.	-18510.	-19070.
NET ECON COST	\$000	-1190882.	-1435744.	-1541187.	-1525891.	-1478343.	-1449609.	-1497184.	-1536178.
TOTAL PURCH	GWH	24498.	25711.	23928.	26021.	26683.	28227.	26854.	29288.
TOTAL PURCH	\$000	2128792.	2255838.	2201359.	2456298.	2563829.	2763352.	2743262.	2991738.
TOTAL SALES	GWH	30828.	36655.	35521.	32201.	31668.	31899.	30238.	32998.
TOTAL SALES	\$000	1842518.	2143031.	2166970.	2346006.	2344347.	2434542.	2379479.	2602184.
EXTERNAL COSTS	\$000	0.	0.	0.	0.	0.	0.	0.	0.
CUST. IMPACT COSTS	\$000	0.	0.	0.	0.	0.	0.	0.	0.

02/07/13 15:32:39 V04.0 R03.0

NewEnergy Associates  
Strategist Page 27

AEP EAST

SB Output Summary.REP  
GENERATION AND FUEL MODULE  
SYSTEM REPORT

SYSTEM RESULTS FROM COMPANY SUMMATION

AEP SYSTEM		2027	2028	2029	2030	2031	2032	2033	2034
ENERGY REQUIRED	GWH	122759.	123696.	124563.	125504.	126497.	127556.	128600.	129704.
DUMP ENERGY	GWH	12.	15.	15.	8.	6.	10.	6.	8.
THERM GENERATION	GWH	125931.	123051.	123878.	126707.	125204.	126929.	127587.	125355.
HYDRO GENERATION	GWH	1015.	1015.	1015.	1015.	1015.	1015.	1015.	1015.
PUMP. GENERATION	GWH	316.	313.	317.	316.	321.	309.	325.	288.
PUMPING ENERGY	GWH	-305.	-300.	-307.	-305.	-312.	-295.	-317.	-265.
EMERGENCY ENERGY	GWH	231.	258.	346.	273.	321.	278.	248.	320.
NET TRANSACTIONS	GWH	-4418.	-627.	-672.	-2494.	-46.	-670.	-252.	2998.
PEAK LOAD	MW	19632.	19781.	19984.	20195.	20407.	20578.	20837.	21084.
LOAD FACTOR	PCT	71.38	71.19	71.15	70.94	70.76	70.57	70.45	70.22
INSTALLED CAPACITY	MW	22153.	22168.	22148.	22173.	22239.	22239.	22239.	22239.
RESERVE MARGIN	MW	2521.	2386.	2163.	1978.	1832.	1661.	1402.	1155.
RESERVE MARGIN	PCT	12.84	12.06	10.82	9.79	8.98	8.07	6.73	5.48
CAPACITY MARGIN	PCT	11.38	10.77	9.77	8.92	8.24	7.47	6.30	5.19
ENERGY RESV MARGIN	PCT	-91.25	-91.31	-91.37	-91.42	-91.49	-91.56	-91.63	-91.70
RENEWABLE ENERGY	PCT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL BURNED	000 MBTU	1229140.	1201132.	1209512.	1237231.	1218868.	1236571.	1243332.	1221175.
FIXED FUEL COST	\$000	7264.	7454.	7650.	7851.	8058.	8270.	8489.	8714.
TOTAL FUEL COST	\$000	4586553.	4646274.	4728238.	4953474.	5047552.	5176285.	5331776.	5383344.
VAR. O&M COST	\$000	560450.	569041.	571699.	605130.	624880.	641974.	662818.	659170.
FIXED O&M COST	\$000	1866720.	1966803.	2038313.	2121199.	2125915.	2147548.	2159819.	2178714.
TOTAL THERM COST	\$000	7013724.	7182118.	7338250.	7679803.	7798346.	7965808.	8154413.	8221228.
THERMAL COST	\$/MWH	55.69	58.37	59.24	60.61	62.29	62.76	63.91	65.58
TOTAL EMISS. COST	\$000	1487375.	1468332.	1492701.	1554000.	1554758.	1587669.	1618780.	1615250.
HYD VAR COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
HYD FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
NET TRANS COST	\$000	403937.	689013.	725282.	605730.	797209.	779556.	833374.	1142358.
EMER ENERGY COST	\$000	30704.	34561.	45225.	38663.	45165.	40926.	40926.	53651.
TOTAL SYS. COST	\$000	8935740.	9374023.	9601458.	9878195.	10195480.	10375346.	10647493.	11032486.
SYSTEM COST	\$/MWH	72.79	75.78	77.08	78.71	80.60	81.34	82.80	85.06
AVG. MARG. COST	\$/MWH	79.06	81.97	83.19	84.83	87.42	88.77	90.64	91.86
TRANS PURCH	GWH	16816.	16884.	16853.	16899.	16899.	16930.	16899.	16899.
TRANS PURCH COST	\$000	2151414.	2211583.	2254335.	2314457.	2363760.	2420210.	2466526.	2519984.
TRANS SALES	GWH	525.	526.	525.	525.	525.	526.	525.	525.
TRANS SALES REV.	\$000	43286.	44461.	45478.	46615.	47781.	49076.	50199.	51454.
UNIT PURCH	GWH	380.	298.	380.	332.	446.	325.	317.	308.
UNIT PURCH COST	\$000	40564.	32546.	42429.	37630.	51514.	38282.	38088.	37724.
UNIT SALES	GWH	0.	0.	0.	0.	0.	0.	0.	0.
UNIT SALES REV.	\$000	0.	0.	0.	0.	0.	0.	0.	0.
ECON ENERGY PURCH	GWH	10916.	11810.	12245.	11883.	12166.	12082.	12600.	13969.
PURCH COST	\$000	770801.	849548.	912108.	902856.	943446.	960877.	1031441.	1188576.
AVE. PURCH COST	\$/MWH	70.61	71.93	74.49	75.98	77.55	79.53	81.86	85.08
ECON ENERGY SALES	GWH	32005.	29093.	29625.	31083.	29032.	29481.	29543.	27654.
SALES REV.	\$000	2515556.	2360204.	2438113.	2602599.	2513730.	2590736.	2652482.	2552474.
AVE. SALES REV.	\$/MWH	78.60	81.13	82.30	83.73	86.58	87.88	89.78	92.30
NET ECON ENERGY	GWH	-21089.	-17283.	-17380.	-19200.	-16866.	-17399.	-16943.	-13684.
NET ECON COST	\$000	-1744755.	-1510655.	-1526005.	-1699743.	-1570285.	-1629859.	-1621041.	-1363898.
TOTAL PURCH	GWH	28112.	28992.	29478.	29114.	29511.	29337.	29816.	31177.
TOTAL PURCH COST	\$000	2962780.	3093677.	3208873.	3254943.	3358720.	3419368.	3536055.	3746284.
TOTAL SALES	GWH	32530.	29619.	30150.	31608.	29557.	30007.	30068.	28179.
TOTAL SALES	\$000	2558842.	2404665.	2483591.	2649214.	2561512.	2639812.	2702681.	2603927.
EXTERNAL COSTS	\$000	0.	0.	0.	0.	0.	0.	0.	0.
CUST. IMPACT COSTS	\$000	0.	0.	0.	0.	0.	0.	0.	0.

02/07/13 15:32:39 V04.0 R03.0

NewEnergy Associates  
Strategist Page 28

AEP EAST  
GENERATION AND FUEL MODULE  
SYSTEM REPORT

SYSTEM RESULTS FROM COMPANY SUMMATION

AEP SYSTEM		2035	2036	2037	2038	2039	2040
ENERGY REQUIRED	GWH	130832.	131994.	133159.	134437.	135645.	136863.
DUMP ENERGY	GWH	6.	5.	3.	4.	3.	6.
THERM GENERATION	GWH	123883.	115701.	119888.	110158.	111052.	110752.
HYDRO GENERATION	GWH	1015.	1015.	1015.	1015.	1015.	1015.
PUMP. GENERATION	GWH	323.	259.	317.	309.	320.	293.
PUMPING ENERGY	GWH	-315.	-223.	-307.	-295.	-311.	-272.
EMERGENCY ENERGY	GWH	370.	152.	159.	22.	6.	7.
NET TRANSACTIONS	GWH	5562.	15095.	12089.	23233.	23565.	25075.
PEAK LOAD	MW	21300.	21519.	21996.	22250.	22489.	22662.
LOAD FACTOR	PCT	70.12	69.83	69.11	68.97	68.85	68.76
INSTALLED CAPACITY	MW	22250.	21244.	21244.	20191.	20191.	20191.
RESERVE MARGIN	MW	950.	-274.	-752.	-2059.	-2298.	-2470.
RESERVE MARGIN	PCT	4.46	-1.28	-3.42	-9.25	-10.22	-10.90

SB Output Summary.REP

CAPACITY MARGIN	PCT	4.27	-1.29	-3.54	-10.20	-11.38	-12.24	
ENERGY RESV MARGIN	PCT	-91.77	-91.85	-91.92	-91.99	-92.06	-92.14	
RENEWABLE ENERGY	PCT	0.00	0.00	0.00	0.00	0.00	0.00	
FUEL BURNED	000 MBTU	1206259.	1118954.	1159097.	1050323.	1059086.	1059695.	
FIXED FUEL COST	\$000	8944.	4591.	4713.	0.	0.	0.	
TOTAL FUEL COST	\$000	5393152.	5464318.	5691911.	5672506.	5799744.	5885132.	
VAR. O&M COST	\$000	664107.	611387.	633194.	559329.	568347.	583563.	
FIXED O&M COST	\$000	4110499.	1691960.	3917479.	1407856.	1423285.	7670796.	
TOTAL THERM COST	\$000	10167758.	7767666.	10242585.	7639690.	7791376.	14139493.	
THERMAL COST	\$/MWH	82.08	67.14	85.43	69.35	70.16	127.67	
TOTAL EMISS. COST	\$000	1603671.	1628371.	1724319.	1709748.	1749797.	1777340.	
HYD VAR COST	\$000	0.	0.	0.	0.	0.	0.	
HYD FIXED COST	\$000	0.	0.	0.	0.	0.	0.	
NET TRANS COST	\$000	1373324.	2306206.	2103407.	3164425.	3286783.	3537548.	
EMER ENERGY COST	\$000	65778.	30656.	33564.	6389.	1734.	2263.	
TOTAL SYS. COST	\$000	13210531.	11732900.	14103875.	12520254.	12829690.	19456644.	
SYSTEM COST	\$/MWH	100.97	88.89	105.92	93.13	94.58	142.16	
AVG. MARG. COST	\$/MWH	92.91	95.81	96.29	97.97	98.87	99.81	
TRANS PURCH	GWH	16899.	16930.	16899.	16899.	16899.	16930.	
TRANS PURCH COST	\$000	2574100.	2635852.	2686689.	2745267.	2804556.	2860658.	
TRANS SALES	GWH	525.	526.	525.	525.	525.	526.	
TRANS SALES REV.	\$000	52741.	54172.	55411.	56797.	58216.	59796.	
UNIT PURCH	GWH	305.	297.	364.	272.	347.	283.	
UNIT PURCH COST	\$000	37952.	37775.	47167.	35884.	46666.	38801.	
UNIT SALES	GWH	0.	0.	0.	0.	0.	0.	
UNIT SALES REV.	\$000	0.	0.	0.	0.	0.	0.	
ECON ENERGY PURCH	GWH	13557.	21117.	18477.	27532.	27204.	30515.	
PURCH COST	\$000	1174167.	1914157.	1727048.	2607439.	2659313.	3065618.	
AVE. PURCH COST	\$/MWH	86.61	90.64	93.47	94.71	97.75	100.46	
ECON ENERGY SALES	GWH	24673.	22723.	23125.	20944.	20359.	22127.	
SALES REV.	\$000	2360156.	2227406.	2302085.	2167370.	2165535.	2367734.	
AVE. SALES REV.	\$/MWH	95.66	98.02	99.55	103.48	106.37	107.01	
NET ECON ENERGY	GWH	-11116.	-1606.	-4649.	6588.	6845.	8388.	
NET ECON COST	\$000	-1185988.	-313248.	-575036.	440070.	493778.	697884.	
TOTAL PURCH	GWH	30761.	38344.	35740.	44702.	44450.	47728.	
TOTAL PURCH COST	\$000	3786220.	4587783.	4460904.	5388590.	5510534.	5965078.	
TOTAL SALES	GWH	25199.	23249.	23651.	21469.	20884.	22653.	
TOTAL SALES	\$000	2412896.	2281578.	2357496.	2224166.	2223751.	2427530.	
EXTERNAL COSTS	\$000	0.	0.	0.	0.	0.	0.	
CUST. IMPACT COSTS	\$000	0.	0.	0.	0.	0.	0.	

02/07/13 15:32:39 V04.0 R03.0

NewEnergy Associates  
Strategist Page

29

AEP EAST  
GENERATION AND FUEL MODULE  
SYSTEM REPORT

KPCO COMPANY # 4		2011	2012	2013	2014	2015	2016	2017	2018
ENERGY REQUIRED	GWH	7432.	7203.	7174.	7174.	7173.	7161.	7184.	7214.
THERM GENERATION	GWH	7431.	5016.	4162.	3386.	2663.	3219.	3381.	3320.
EMERGENCY ENERGY	GWH	80.	85.	75.	86.	56.	7.	2.	2.
NET TRANSACTIONS	GWH	-78.	2102.	2937.	3702.	4454.	3934.	3801.	3892.
PEAK LOAD	MW	1172.	1162.	1169.	1186.	1202.	1171.	1157.	1157.
LOAD FACTOR	PCT	72.39	70.57	70.05	69.05	68.13	69.62	70.88	71.17
INSTALLED CAPACITY	MW	1306.	1293.	1309.	1348.	350.	612.	577.	591.
RESERVE MARGIN	MW	134.	131.	140.	162.	-852.	-559.	-580.	-566.
RESERVE MARGIN	PCT	11.43	11.27	12.01	13.65	-70.91	-47.71	-50.11	-48.95
ENERGY RESV MARGIN	PCT	-100.00	-100.00	-100.00	-100.00	-100.00	-100.00	-100.00	-100.00
LOSS LOAD	HOURS	422.	397.	338.	320.	161.	18.	4.	4.
RENEWABLE ENERGY	PCT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL BURNED	000 MBTU	70629.	47800.	39608.	32330.	25701.	31466.	33105.	32453.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	176993.	74924.	116758.	91209.	82884.	100393.	110669.	108875.
VAR. O&M COST	\$000	10300.	10433.	9266.	12624.	9652.	18521.	19973.	21294.
FIXED O&M COST	\$000	3983.	8642.	26564.	34774.	75520.	25729.	27226.	29960.
TOTAL THERM COST	\$000	191276.	93999.	152588.	138607.	168056.	144643.	157868.	160129.
THERMAL COST	\$/MWH	25.74	18.74	36.66	40.93	63.10	44.93	46.70	48.23
TOTAL EMISS. COST	\$000	6422.	43104.	25991.	32418.	7550.	2510.	1597.	624.
NET TRANS COST	\$000	-30147.	64375.	98407.	154282.	219915.	224125.	225778.	234887.
EMER ENERGY COST	\$000	6114.	6728.	6354.	6804.	4937.	947.	251.	273.
TOTAL SYS. COST	\$000	173665.	208207.	283339.	332111.	400458.	372224.	385494.	395912.
SYSTEM COST	\$/MWH	23.37	28.90	39.50	46.29	55.82	51.98	53.66	54.88
AVG. MARG. COST	\$/MWH	38.92	48.67	51.66	56.27	57.88	63.27	61.84	62.89
TRANS PURCH	GWH	0.	0.	1.	1.	1.	1.	1.	1.
TRANS PURCH COST	\$000	5438.	10313.	17500.	25000.	30000.	30000.	30000.	30000.
TRANS SALES	GWH	115.	117.	36.	17.	23.	19.	28.	37.
TRANS SALES REV.	\$000	3788.	3923.	1783.	872.	1235.	1141.	1744.	2411.
ECON ENERGY PURCH	GWH	1527.	2810.	3500.	4028.	4568.	3952.	3828.	3927.
ECON ENERGY PURCH	\$000	36017.	92791.	114402.	152017.	196885.	195266.	197521.	207298.
ECON ENERGY SALES	GWH	1491.	592.	528.	311.	93.	0.	0.	0.
ECON ENERGY SALES	\$000	67815.	34806.	31712.	21863.	5735.	0.	0.	0.

SB Output Summary.REP

TOTAL PURCH	GWH	1527.	2811.	3501.	4030.	4570.	3954.	3829.	3929.
TOTAL PURCH	\$000	41455.	103104.	131902.	177017.	226885.	225266.	227521.	237298.
TOTAL SALES	GWH	1605.	708.	564.	328.	116.	19.	28.	37.
TOTAL SALES	\$000	71602.	38729.	33495.	22735.	6971.	1141.	1744.	2411.
EXTERNAL COSTS	\$000	0.	0.	0.	0.	0.	0.	0.	0.
CUST. IMPACT COSTS	\$000	0.	0.	0.	0.	0.	0.	0.	0.

02/07/13 15:32:39 V04.0 R03.0

NewEnergy Associates  
Strategist Page 30

AEP EAST  
GENERATION AND FUEL MODULE  
SYSTEM REPORT

KPCO COMPANY #		2019	2020	2021	2022	2023	2024	2025	2026
ENERGY REQUIRED	GWH	7246.	7275.	7308.	7346.	7385.	7427.	7465.	7511.
THERM GENERATION	GWH	3526.	3109.	5244.	4844.	4580.	4736.	4613.	4766.
EMERGENCY ENERGY	GWH	2.	0.	28.	26.	19.	25.	23.	3.
NET TRANSACTIONS	GWH	3718.	4166.	2036.	2476.	2786.	2666.	2829.	2742.
PEAK LOAD	MW	1157.	1159.	1167.	1174.	1174.	1179.	1189.	1198.
LOAD FACTOR	PCT	71.49	71.46	71.49	71.43	71.81	71.72	71.67	71.57
INSTALLED CAPACITY	MW	593.	598.	1292.	1300.	1300.	1304.	1315.	1367.
RESERVE MARGIN	MW	-564.	-561.	125.	126.	126.	126.	126.	169.
RESERVE MARGIN	PCT	-48.75	-48.36	10.74	10.76	10.76	10.60	10.60	14.09
ENERGY RESV MARGIN	PCT	-100.00	-100.00	-100.00	-100.00	-100.00	-100.00	-100.00	-100.00
LOSS LOAD	HOURS	4.	0.	213.	203.	140.	175.	156.	44.
RENEWABLE ENERGY	PCT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL BURNED	000 MBTU	34488.	30446.	46102.	41801.	39402.	40902.	39814.	41862.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	120084.	108501.	199067.	194434.	185117.	202268.	201844.	220093.
VAR. O&M COST	\$000	22993.	20499.	30563.	26911.	26913.	27459.	27385.	31605.
FIXED O&M COST	\$000	31118.	33382.	65530.	66729.	68809.	68966.	70132.	76752.
TOTAL THERM COST	\$000	174196.	162382.	295159.	288074.	280838.	298693.	299361.	328450.
THERMAL COST	\$/MWH	49.41	52.23	56.29	59.47	61.32	63.07	64.89	68.92
TOTAL EMISS. COST	\$000	680.	0.	0.	47694.	46043.	47805.	46952.	49995.
NET TRANS COST	\$000	227899.	257193.	120875.	160761.	185842.	179765.	197672.	185402.
EMER ENERGY COST	\$000	278.	0.	3167.	3251.	2606.	3172.	3072.	485.
TOTAL SYS. COST	\$000	403053.	419575.	419202.	499779.	515329.	529436.	547057.	564332.
SYSTEM COST	\$/MWH	55.62	57.67	57.36	68.03	69.78	71.28	73.28	75.14
AVG. MARG. COST	\$/MWH	64.13	65.72	64.98	77.21	79.73	81.47	83.53	86.65
TRANS PURCH	GWH	1.	1.	1.	1.	1.	1.	1.	1.
TRANS PURCH COST	\$000	30000.	30000.	30000.	30000.	30000.	30000.	30000.	30000.
TRANS SALES	GWH	36.	34.	34.	34.	34.	34.	34.	34.
TRANS SALES REV.	\$000	2393.	2344.	2398.	2458.	2519.	2588.	2647.	2713.
ECON ENERGY PURCH	GWH	3753.	4199.	2178.	2615.	2888.	2780.	2914.	2873.
ECON ENERGY PURCH	\$000	200292.	229537.	101334.	142181.	164563.	159806.	175314.	169591.
ECON ENERGY SALES	GWH	0.	0.	110.	106.	69.	81.	52.	99.
ECON ENERGY SALES	\$000	0.	0.	8061.	8962.	6202.	7453.	4996.	11476.
TOTAL PURCH	GWH	3754.	4200.	2180.	2616.	2889.	2781.	2915.	2874.
TOTAL PURCH	\$000	230292.	259537.	131334.	172181.	194563.	189806.	205314.	199591.
TOTAL SALES	GWH	36.	34.	143.	140.	103.	115.	86.	132.
TOTAL SALES	\$000	2393.	2344.	10459.	11419.	8721.	10040.	7642.	14189.
EXTERNAL COSTS	\$000	0.	0.	0.	0.	0.	0.	0.	0.
CUST. IMPACT COSTS	\$000	0.	0.	0.	0.	0.	0.	0.	0.

02/07/13 15:32:39 V04.0 R03.0

NewEnergy Associates  
Strategist Page 31

AEP EAST  
GENERATION AND FUEL MODULE  
SYSTEM REPORT

KPCO COMPANY #		2027	2028	2029	2030	2031	2032	2033	2034
ENERGY REQUIRED	GWH	7556.	7604.	7646.	7691.	7736.	7782.	7821.	7862.
THERM GENERATION	GWH	4898.	4860.	4726.	4735.	5184.	5439.	5342.	5382.
EMERGENCY ENERGY	GWH	3.	3.	3.	3.	5.	5.	5.	5.
NET TRANSACTIONS	GWH	2655.	2742.	2917.	2952.	2547.	2338.	2474.	2475.
PEAK LOAD	MW	1208.	1215.	1220.	1229.	1239.	1246.	1258.	1260.
LOAD FACTOR	PCT	71.41	71.25	71.54	71.43	71.27	71.10	70.97	71.23
INSTALLED CAPACITY	MW	1365.	1365.	1364.	1364.	1453.	1453.	1453.	1453.
RESERVE MARGIN	MW	157.	150.	144.	135.	214.	207.	195.	193.
RESERVE MARGIN	PCT	13.04	12.39	11.82	11.00	17.23	16.57	15.46	15.28
ENERGY RESV MARGIN	PCT	-100.00	-100.00	-100.00	-100.00	-100.00	-100.00	-100.00	-100.00
LOSS LOAD	HOURS	41.	38.	37.	38.	57.	58.	55.	58.
RENEWABLE ENERGY	PCT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL BURNED	000 MBTU	42985.	42695.	41383.	41435.	42913.	45332.	44296.	44654.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	233745.	237023.	234959.	242763.	270362.	285474.	287424.	296226.
VAR. O&M COST	\$000	32149.	32715.	33135.	32730.	39908.	43556.	43271.	44592.
FIXED O&M COST	\$000	77038.	78334.	79641.	83832.	77848.	79107.	80394.	81705.
TOTAL THERM COST	\$000	342933.	348073.	347735.	359324.	388118.	408136.	411089.	422523.
THERMAL COST	\$/MWH	70.01	71.62	73.58	75.89	74.86	75.04	76.96	78.50
TOTAL EMISS. COST	\$000	51538.	51820.	51111.	50915.	53301.	57898.	56765.	58030.
NET TRANS COST	\$000	181138.	189847.	208477.	215362.	180682.	167299.	181998.	185606.

SB Output Summary.REP									
EMER ENERGY COST	\$000	483.	454.	508.	558.	782.	823.	873.	980.
TOTAL SYS. COST	\$000	576092.	590194.	607832.	626159.	622883.	634156.	650725.	667138.
SYSTEM COST	\$/MWH	76.24	77.61	79.50	81.42	80.52	81.50	83.20	84.86
AVG. MARG. COST	\$/MWH	88.16	90.15	92.48	94.34	95.63	96.81	99.46	101.70
TRANS PURCH	GWH	1.	1.	1.	1.	1.	1.	1.	1.
TRANS PURCH COST	\$000	30000.	30000.	30000.	30000.	30000.	30000.	30000.	30000.
TRANS SALES	GWH	34.	34.	34.	34.	34.	34.	34.	34.
TRANS SALES REV.	\$000	2781.	2856.	2921.	2995.	3069.	3153.	3225.	3305.
ECON ENERGY PURCH	GWH	2795.	2900.	3056.	3088.	2789.	2603.	2706.	2693.
ECON ENERGY PURCH	\$000	166357.	177473.	194208.	201153.	177721.	166747.	179000.	181543.
ECON ENERGY SALES	GWH	107.	126.	107.	103.	210.	232.	199.	186.
ECON ENERGY SALES	\$000	12439.	14770.	12809.	12797.	23970.	26295.	23777.	22632.
TOTAL PURCH	GWH	2796.	2901.	3058.	3089.	2791.	2604.	2708.	2695.
TOTAL PURCH	\$000	196357.	207473.	224208.	231153.	207721.	196747.	209000.	211543.
TOTAL SALES	GWH	141.	160.	141.	137.	244.	266.	233.	220.
TOTAL SALES	\$000	15220.	17626.	15731.	15792.	27039.	29448.	27002.	25938.
EXTERNAL COSTS	\$000	0.	0.	0.	0.	0.	0.	0.	0.
CUST. IMPACT COSTS	\$000	0.	0.	0.	0.	0.	0.	0.	0.
‡ 02/07/13 15:32:39 V04.0 R03.0							NewEnergy Associates Strategist Page 32		

AEP EAST  
GENERATION AND FUEL MODULE  
SYSTEM REPORT

KPCO									
COMPANY # 4									
		2035	2036	2037	2038	2039	2040		
ENERGY REQUIRED	GWH	7904.	7948.	7991.	8034.	8077.	8119.		
THERM GENERATION	GWH	5214.	5364.	5489.	5239.	5519.	5308.		
EMERGENCY ENERGY	GWH	4.	5.	5.	4.	4.	3.		
NET TRANSACTIONS	GWH	2686.	2580.	2497.	2791.	2554.	2807.		
PEAK LOAD	MW	1279.	1285.	1299.	1309.	1319.	1319.		
LOAD FACTOR	PCT	70.55	70.41	70.23	70.07	69.90	70.08		
INSTALLED CAPACITY	MW	1453.	1453.	1453.	1453.	1453.	1453.		
RESERVE MARGIN	MW	174.	168.	154.	144.	134.	134.		
RESERVE MARGIN	PCT	13.57	13.04	11.82	10.96	10.12	10.12		
ENERGY RESV MARGIN	PCT	-100.00	-100.00	-100.00	-100.00	-100.00	-100.00		
LOSS LOAD	HOURS	46.	55.	54.	44.	46.	37.		
RENEWABLE ENERGY	PCT	0.00	0.00	0.00	0.00	0.00	0.00		
FUEL BURNED	000 MBTU	43057.	44302.	45527.	43060.	45772.	43719.		
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.		
TOTAL FUEL COST	\$000	293368.	308063.	319025.	315429.	333234.	329008.		
VAR. O&M COST	\$000	43755.	46012.	48657.	46466.	51181.	49494.		
FIXED O&M COST	\$000	83038.	84396.	85380.	85897.	86504.	268273.		
TOTAL THERM COST	\$000	420162.	438472.	453061.	447792.	470918.	646775.		
THERMAL COST	\$/MWH	80.58	81.75	82.53	85.47	85.33	121.84		
TOTAL EMISS. COST	\$000	56130.	58656.	61612.	57906.	63589.	60606.		
NET TRANS COST	\$000	208233.	200361.	197552.	227339.	209645.	238684.		
EMER ENERGY COST	\$000	956.	1093.	1231.	1151.	1241.	1183.		
TOTAL SYS. COST	\$000	685481.	698581.	713456.	734188.	745394.	947249.		
SYSTEM COST	\$/MWH	86.73	87.90	89.28	91.38	92.29	116.67		
AVG. MARG. COST	\$/MWH	104.56	106.78	108.70	112.47	113.85	117.27		
TRANS PURCH	GWH	1.	1.	1.	1.	1.	1.		
TRANS PURCH COST	\$000	30000.	30000.	30000.	30000.	30000.	30000.		
TRANS SALES	GWH	34.	34.	34.	34.	34.	34.		
TRANS SALES REV.	\$000	3388.	3480.	3560.	3649.	3740.	3841.		
ECON ENERGY PURCH	GWH	2892.	2821.	2733.	3001.	2774.	3006.		
ECON ENERGY PURCH	\$000	203738.	200298.	197525.	225344.	209400.	237411.		
ECON ENERGY SALES	GWH	173.	208.	204.	177.	187.	166.		
ECON ENERGY SALES	\$000	22117.	26458.	26413.	24356.	26015.	24885.		
TOTAL PURCH	GWH	2893.	2822.	2735.	3003.	2775.	3008.		
TOTAL PURCH	\$000	233738.	230299.	227525.	253444.	239400.	267411.		
TOTAL SALES	GWH	207.	242.	238.	211.	221.	200.		
TOTAL SALES	\$000	25505.	29938.	29973.	28005.	29755.	28726.		
EXTERNAL COSTS	\$000	0.	0.	0.	0.	0.	0.		
CUST. IMPACT COSTS	\$000	0.	0.	0.	0.	0.	0.		
‡ 02/07/13 15:32:39 V04.0 R03.0							NewEnergy Associates Strategist Page 33		

AEP EAST  
GENERATION AND FUEL MODULE  
COMPANY BILLING SUMMARY REPORT

YEAR = 2011

\*\*\*\*\* IMPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE \$/MWH	\$000	RATE \$/MWH
OPCO+CSP	312.7	6469.	20.69	659.	2.11
I&M	172.5	3515.	20.38	362.	2.10
APCO	5224.4	166757.	31.92	70737.	13.54
KPCO	1527.2	36017.	23.58	7375.	4.83

SB Output Summary.REP

AEP 7236.8 212758. 29.40 79133. 10.93

\*\*\*\*\* EXPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY GWH	BILLING \$000	BILLING RATE \$/MWH	SAVINGS \$000	SAVINGS RATE \$/MWH
OPCO+CSP	19174.2	800288.	41.74	219169.	11.43
I&M	6791.4	269270.	39.65	82002.	12.07
APCO	435.8	18557.	42.59	2300.	5.28
KPCO	1490.9	67815.	45.49	13773.	9.24
AEP	27892.2	1155930.	41.44	317245.	11.37

02/07/13 15:32:39 V04.0 R03.0

NewEnergy Associates  
Strategist Page 34

AEP EAST  
GENERATION AND FUEL MODULE  
COMPANY BILLING SUMMARY REPORT

YEAR = 2012

\*\*\*\*\* IMPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY GWH	BILLING \$000	BILLING RATE \$/MWH	SAVINGS \$000	SAVINGS RATE \$/MWH
OPCO+CSP	17.3	384.	22.20	31.	1.79
I&M	86.2	2523.	29.27	374.	4.34
APCO	5503.4	210444.	38.24	70801.	12.87
KPCO	2810.4	92791.	33.02	38291.	13.63
AEP	8417.3	306143.	36.37	109498.	13.01

\*\*\*\*\* EXPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY GWH	BILLING \$000	BILLING RATE \$/MWH	SAVINGS \$000	SAVINGS RATE \$/MWH
OPCO+CSP	27732.8	1274520.	45.96	416675.	15.02
I&M	8456.6	365316.	43.20	127619.	15.09
APCO	209.4	10523.	50.26	1171.	5.59
KPCO	591.6	34806.	58.83	6692.	11.31
AEP	36990.4	1685165.	45.56	552157.	14.93

02/07/13 15:32:39 V04.0 R03.0

NewEnergy Associates  
Strategist Page 35

AEP EAST  
GENERATION AND FUEL MODULE  
COMPANY BILLING SUMMARY REPORT

YEAR = 2013

\*\*\*\*\* IMPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY GWH	BILLING \$000	BILLING RATE \$/MWH	SAVINGS \$000	SAVINGS RATE \$/MWH
OPCO+CSP	37.4	865.	23.10	87.	2.31
I&M	475.0	11175.	23.52	2043.	4.30
APCO	6711.2	222153.	33.10	84585.	12.60
KPCO	3500.3	114402.	32.68	53666.	15.33
AEP	10723.9	348594.	32.51	140380.	13.09

\*\*\*\*\* EXPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY GWH	BILLING \$000	BILLING RATE \$/MWH	SAVINGS \$000	SAVINGS RATE \$/MWH
OPCO+CSP	25906.2	1225506.	47.31	388447.	14.99
I&M	6103.9	295041.	48.34	85428.	14.00
APCO	1113.4	65430.	58.76	9720.	8.73
KPCO	527.7	31712.	60.10	5810.	11.01
AEP	33651.2	1617690.	48.07	489405.	14.54

02/07/13 15:32:39 V04.0 R03.0

NewEnergy Associates  
Strategist Page 36

AEP EAST  
GENERATION AND FUEL MODULE  
COMPANY BILLING SUMMARY REPORT

YEAR = 2014

SB Output Summary.REP

\*\*\*\*\* IMPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE \$/MWH	\$000	RATE \$/MWH
OPCO+CSP	23.7	538.	22.69	76.	3.21
I&M	139.1	3344.	24.05	336.	2.41
APCO	5029.6	167835.	33.37	43974.	8.74
KPCO	4028.4	152017.	37.74	66979.	16.63
AEP	9220.7	323734.	35.11	111365.	12.08

\*\*\*\*\* EXPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE \$/MWH	\$000	RATE \$/MWH
OPCO+CSP	30204.3	1498681.	49.62	500771.	16.58
I&M	7777.2	381108.	49.00	121396.	15.61
APCO	777.8	43446.	55.86	6211.	7.99
KPCO	311.2	21863.	70.25	4279.	13.75
AEP	39070.5	1945099.	49.78	632657.	16.19

02/07/13 15:32:39 V04.0 R03.0

NewEnergy Associates  
Strategist Page 37

AEP EAST  
GENERATION AND FUEL MODULE  
COMPANY BILLING SUMMARY REPORT

YEAR = 2015

\*\*\*\*\* IMPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE \$/MWH	\$000	RATE \$/MWH
OPCO+CSP	69.1	1677.	24.26	238.	3.44
I&M	118.9	3201.	26.93	380.	3.20
APCO	7078.6	294489.	41.60	111046.	15.69
KPCO	4568.4	196885.	43.10	104494.	22.87
AEP	11834.9	496253.	41.93	216158.	18.26

\*\*\*\*\* EXPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE \$/MWH	\$000	RATE \$/MWH
OPCO+CSP	20411.0	1060788.	51.97	330346.	16.18
I&M	7963.0	411541.	51.68	123590.	15.52
APCO	132.1	8117.	61.44	908.	6.87
KPCO	93.3	5735.	61.45	1212.	12.98
AEP	28599.5	1486181.	51.97	456055.	15.95

02/07/13 15:32:39 V04.0 R03.0

NewEnergy Associates  
Strategist Page 38

AEP EAST  
GENERATION AND FUEL MODULE  
COMPANY BILLING SUMMARY REPORT

YEAR = 2016

\*\*\*\*\* IMPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE \$/MWH	\$000	RATE \$/MWH
OPCO+CSP	39.2	981.	25.01	137.	3.50
I&M	153.2	4659.	30.41	809.	5.28
APCO	6758.7	331400.	49.03	120775.	17.87
KPCO	3952.3	195266.	49.41	102409.	25.91
AEP	10903.4	532307.	48.82	224131.	20.56

\*\*\*\*\* EXPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE \$/MWH	\$000	RATE \$/MWH
OPCO+CSP	24550.9	1401074.	57.07	483289.	19.69
I&M	7732.9	448519.	58.00	150464.	19.46
APCO	228.4	14783.	64.73	2038.	8.93
KPCO	0.0	0.	0.00	0.	0.00
AEP	32512.2	1864376.	57.34	635791.	19.56



AEP EAST  
GENERATION AND FUEL MODULE  
COMPANY BILLING SUMMARY REPORT

YEAR = 2017

\*\*\*\*\* IMPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GW	\$000	RATE	\$000	RATE
			\$/MWH		\$/MWH
OPCO+CSP	3.7	98.	26.86	5.	1.28
I&M	46.3	1465.	31.65	222.	4.81
APCO	5329.1	277925.	52.15	88840.	16.67
KPCO	3828.0	197521.	51.60	101594.	26.54
AEP	9207.0	477010.	51.81	190662.	20.71

\*\*\*\*\* EXPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GW	\$000	RATE	\$000	RATE
			\$/MWH		\$/MWH
OPCO+CSP	26353.2	1457324.	55.30	486567.	18.46
I&M	7665.3	437835.	57.12	132393.	17.27
APCO	129.1	8622.	66.77	1062.	8.22
KPCO	0.0	0.	0.00	0.	0.00
AEP	34147.7	1903782.	55.75	620022.	18.16

AEP EAST  
GENERATION AND FUEL MODULE  
COMPANY BILLING SUMMARY REPORT

YEAR = 2018

\*\*\*\*\* IMPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GW	\$000	RATE	\$000	RATE
			\$/MWH		\$/MWH
OPCO+CSP	14.3	396.	27.73	19.	1.35
I&M	48.4	1961.	40.47	388.	8.01
APCO	5770.1	305201.	52.89	100922.	17.49
KPCO	3927.3	207298.	52.78	111412.	28.37
AEP	9760.1	514856.	52.75	212741.	21.80

\*\*\*\*\* EXPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GW	\$000	RATE	\$000	RATE
			\$/MWH		\$/MWH
OPCO+CSP	25385.6	1440409.	56.74	470944.	18.55
I&M	6624.8	373053.	56.31	113661.	17.16
APCO	123.0	8407.	68.36	1083.	8.81
KPCO	0.0	0.	0.00	0.	0.00
AEP	32133.4	1821869.	56.70	585688.	18.23

AEP EAST  
GENERATION AND FUEL MODULE  
COMPANY BILLING SUMMARY REPORT

YEAR = 2019

\*\*\*\*\* IMPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GW	\$000	RATE	\$000	RATE
			\$/MWH		\$/MWH
OPCO+CSP	12.6	382.	30.29	33.	2.58
I&M	288.3	13763.	47.74	2489.	8.63
APCO	5807.2	320762.	55.24	106498.	18.34
KPCO	3753.1	200292.	53.37	98833.	26.33
AEP	9861.2	535199.	54.27	207852.	21.08

\*\*\*\*\* EXPORT ENERGY \*\*\*\*\*

COMPANY	SB Output Summary.REP				
	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE	\$000	RATE
			\$/MWH		\$/MWH
OPCO+CSP	24316.0	1419078.	58.36	448528.	18.45
I&M	5102.4	298463.	58.49	94030.	18.43
APCO	129.9	8540.	65.74	1246.	9.59
KPCO	0.0	0.	0.00	0.	0.00
AEP	29548.2	1726081.	58.42	543804.	18.40

02/07/13 15:32:39 V04.0 R03.0

NewEnergy Associates  
Strategist Page 42

AEP EAST  
GENERATION AND FUEL MODULE  
COMPANY BILLING SUMMARY REPORT

YEAR = 2020

\*\*\*\*\* IMPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE	\$000	RATE
			\$/MWH		\$/MWH
OPCO+CSP	3.1	88.	28.03	5.	1.66
I&M	12.1	892.	73.72	229.	18.94
APCO	6335.8	354265.	55.92	119201.	18.81
KPCO	4198.8	229537.	54.67	123766.	29.48
AEP	10549.8	584782.	55.43	243201.	23.05

\*\*\*\*\* EXPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE	\$000	RATE
			\$/MWH		\$/MWH
OPCO+CSP	26609.4	1546734.	58.13	510312.	19.18
I&M	8680.0	469257.	54.06	194831.	22.45
APCO	62.4	4535.	72.65	480.	7.68
KPCO	0.0	0.	0.00	0.	0.00
AEP	35351.8	2020526.	57.15	705622.	19.96

02/07/13 15:32:40 V04.0 R03.0

NewEnergy Associates  
Strategist Page 43

AEP EAST  
GENERATION AND FUEL MODULE  
COMPANY BILLING SUMMARY REPORT

YEAR = 2021

\*\*\*\*\* IMPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE	\$000	RATE
			\$/MWH		\$/MWH
OPCO+CSP	24.1	722.	29.91	76.	3.13
I&M	54.0	3065.	56.75	613.	11.36
APCO	6355.6	368819.	58.03	121675.	19.14
KPCO	2178.5	101334.	46.52	22549.	10.35
AEP	8612.2	473940.	55.03	144913.	16.83

\*\*\*\*\* EXPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE	\$000	RATE
			\$/MWH		\$/MWH
OPCO+CSP	25427.1	1529988.	60.17	501681.	19.73
I&M	8545.2	473302.	55.39	198728.	23.26
APCO	53.3	3776.	70.79	338.	6.34
KPCO	109.7	8061.	73.45	864.	7.87
AEP	34135.4	2015128.	59.03	701612.	20.55

02/07/13 15:32:40 V04.0 R03.0

NewEnergy Associates  
Strategist Page 44

AEP EAST  
GENERATION AND FUEL MODULE  
COMPANY BILLING SUMMARY REPORT

YEAR = 2022

\*\*\*\*\* IMPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE	\$000	RATE
			\$/MWH		\$/MWH

SB Output Summary.REP

OPCO+CSP	21.8	874.	40.03	63.	2.91
I&M	43.0	2557.	59.47	455.	10.58
APCO	7767.6	510530.	65.73	162350.	20.90
KPCO	2614.8	142181.	54.38	28885.	11.05
AEP	10447.2	656142.	62.81	191753.	18.35

\*\*\*\*\* EXPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY GWH	BILLING \$000	BILLING RATE \$/MWH	SAVINGS \$000	SAVINGS RATE \$/MWH
OPCO+CSP	23848.3	1715386.	71.93	490528.	20.57
I&M	6719.7	452238.	67.30	158849.	23.64
APCO	69.0	5447.	78.97	511.	7.41
KPCO	106.4	8962.	84.23	886.	8.33
AEP	30743.3	2182033.	70.98	650775.	21.17

02/07/13 15:32:40 V04.0 R03.0

NewEnergy Associates  
Strategist Page

AEP EAST  
GENERATION AND FUEL MODULE  
COMPANY BILLING SUMMARY REPORT

YEAR = 2023

\*\*\*\*\* IMPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY GWH	BILLING \$000	BILLING RATE \$/MWH	SAVINGS \$000	SAVINGS RATE \$/MWH
OPCO+CSP	23.1	958.	41.49	62.	2.70
I&M	74.4	4634.	62.25	800.	10.75
APCO	7835.0	526378.	67.18	165624.	21.14
KPCO	2888.1	164563.	56.98	37995.	13.16
AEP	10820.7	696533.	64.37	204481.	18.90

\*\*\*\*\* EXPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY GWH	BILLING \$000	BILLING RATE \$/MWH	SAVINGS \$000	SAVINGS RATE \$/MWH
OPCO+CSP	24526.8	1789450.	72.96	515827.	21.03
I&M	5508.1	376398.	68.34	134620.	24.44
APCO	33.1	2825.	85.28	226.	6.82
KPCO	69.4	6202.	89.36	662.	9.54
AEP	30137.4	2174876.	72.17	651335.	21.61

02/07/13 15:32:40 V04.0 R03.0

NewEnergy Associates  
Strategist Page

AEP EAST  
GENERATION AND FUEL MODULE  
COMPANY BILLING SUMMARY REPORT

YEAR = 2024

\*\*\*\*\* IMPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY GWH	BILLING \$000	BILLING RATE \$/MWH	SAVINGS \$000	SAVINGS RATE \$/MWH
OPCO+CSP	30.0	1266.	42.16	107.	3.56
I&M	315.8	21675.	68.64	3519.	11.14
APCO	8838.2	621471.	70.32	213514.	24.16
KPCO	2779.7	159806.	57.49	33165.	11.93
AEP	11963.7	804218.	67.22	250305.	20.92

\*\*\*\*\* EXPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY GWH	BILLING \$000	BILLING RATE \$/MWH	SAVINGS \$000	SAVINGS RATE \$/MWH
OPCO+CSP	24060.1	1813550.	75.38	517682.	21.52
I&M	6117.9	429305.	70.17	158084.	25.84
APCO	42.3	3520.	83.11	359.	8.47
KPCO	80.9	7453.	92.15	891.	11.01
AEP	30301.2	2253826.	74.38	677016.	22.34

02/07/13 15:32:40 V04.0 R03.0

NewEnergy Associates  
Strategist Page

AEP EAST  
GENERATION AND FUEL MODULE  
COMPANY BILLING SUMMARY REPORT

SB Output Summary.REP

YEAR = 2025

\*\*\*\*\* IMPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE \$/MWH	\$000	RATE \$/MWH
OPCO+CSP	42.5	1900.	44.66	150.	3.53
I&M	113.7	7438.	65.40	1212.	10.66
APCO	6962.0	499954.	71.81	148956.	21.40
KPCO	2913.6	175314.	60.17	40936.	14.05
AEP	10031.9	684606.	68.24	191255.	19.06

\*\*\*\*\* EXPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE \$/MWH	\$000	RATE \$/MWH
OPCO+CSP	21899.2	1700360.	77.64	472226.	21.56
I&M	6498.4	468689.	72.12	167194.	25.73
APCO	91.9	7744.	84.26	794.	8.64
KPCO	52.5	4996.	95.19	544.	10.37
AEP	28542.0	2181789.	76.44	640758.	22.45

02/07/13 15:32:40 V04.0 R03.0

NewEnergy Associates  
Strategist Page 48

AEP EAST  
GENERATION AND FUEL MODULE  
COMPANY BILLING SUMMARY REPORT

YEAR = 2026

\*\*\*\*\* IMPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE \$/MWH	\$000	RATE \$/MWH
OPCO+CSP	23.0	994.	43.19	74.	3.20
I&M	55.6	4026.	72.35	817.	14.69
APCO	9188.9	675944.	73.56	238256.	25.93
KPCO	2872.9	169591.	59.03	39754.	13.84
AEP	12140.5	850555.	70.06	278901.	22.97

\*\*\*\*\* EXPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE \$/MWH	\$000	RATE \$/MWH
OPCO+CSP	24789.7	1917413.	77.35	542717.	21.89
I&M	6270.8	453361.	72.30	158999.	25.36
APCO	51.0	4484.	87.84	505.	9.89
KPCO	98.7	11476.	116.24	1052.	10.66
AEP	31210.3	2386734.	76.47	703274.	22.53

02/07/13 15:32:40 V04.0 R03.0

NewEnergy Associates  
Strategist Page 49

AEP EAST  
GENERATION AND FUEL MODULE  
COMPANY BILLING SUMMARY REPORT

YEAR = 2027

\*\*\*\*\* IMPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE \$/MWH	\$000	RATE \$/MWH
OPCO+CSP	5.0	227.	45.16	12.	2.49
I&M	50.4	3828.	75.91	850.	16.84
APCO	8065.8	600388.	74.44	193255.	23.96
KPCO	2794.9	166357.	59.52	34341.	12.29
AEP	10916.1	770801.	70.61	228458.	20.93

\*\*\*\*\* EXPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE \$/MWH	\$000	RATE \$/MWH
OPCO+CSP	24779.9	1981575.	79.97	616892.	24.89
I&M	7057.2	516193.	73.14	182976.	25.93

SB Output Summary.REP					
				514.	8.45
APCO	60.9	5349.	87.86		
KPCO	107.2	12439.	116.01	1132.	10.56
AEP	32005.2	2515556.	78.60	801514.	25.04
‡ 02/07/13	15:32:40	V04.0 R03.0			

NewEnergy Associates  
Strategist Page 50

AEP EAST  
GENERATION AND FUEL MODULE  
COMPANY BILLING SUMMARY REPORT

YEAR = 2028

\*\*\*\*\* IMPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	¢000	¢/MWH	¢000	¢/MWH
OPCO+CSP	13.5	606.	45.00	50.	3.71
I&M	338.1	24483.	72.42	3974.	11.76
APCO	8558.6	646987.	75.60	213389.	24.93
KPCO	2899.9	177473.	61.20	38875.	13.41
AEP	11810.0	849549.	71.93	256288.	21.70

\*\*\*\*\* EXPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	¢000	¢/MWH	¢000	¢/MWH
OPCO+CSP	23389.5	1921891.	82.17	581348.	24.86
I&M	5544.3	420476.	75.84	144414.	26.05
APCO	32.9	3067.	93.08	278.	8.43
KPCO	125.8	14770.	117.41	1350.	10.73
AEP	29092.6	2360203.	81.13	727390.	25.00
‡ 02/07/13	15:32:40	V04.0 R03.0			

NewEnergy Associates  
Strategist Page 51

AEP EAST  
GENERATION AND FUEL MODULE  
COMPANY BILLING SUMMARY REPORT

YEAR = 2029

\*\*\*\*\* IMPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	¢000	¢/MWH	¢000	¢/MWH
OPCO+CSP	14.7	718.	48.70	37.	2.49
I&M	99.7	8049.	80.72	1688.	16.92
APCO	9073.9	709133.	78.15	244519.	26.95
KPCO	3056.3	194208.	63.54	50187.	16.42
AEP	12244.6	912108.	74.49	296431.	24.21

\*\*\*\*\* EXPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	¢000	¢/MWH	¢000	¢/MWH
OPCO+CSP	24082.3	2013298.	83.60	609917.	25.33
I&M	5406.1	409354.	75.72	138197.	25.56
APCO	29.4	2652.	90.09	224.	7.62
KPCO	106.8	12809.	119.90	1206.	11.28
AEP	29624.7	2438112.	82.30	749544.	25.30
‡ 02/07/13	15:32:40	V04.0 R03.0			

NewEnergy Associates  
Strategist Page 52

AEP EAST  
GENERATION AND FUEL MODULE  
COMPANY BILLING SUMMARY REPORT

YEAR = 2030

\*\*\*\*\* IMPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	¢000	¢/MWH	¢000	¢/MWH
OPCO+CSP	12.1	581.	48.11	30.	2.47
I&M	67.4	5743.	85.24	1376.	20.42
APCO	8715.7	695379.	79.78	225419.	25.86
KPCO	3087.8	201153.	65.14	50026.	16.20
AEP	11882.9	902857.	75.98	276850.	23.30

SB Output Summary.REP

\*\*\*\*\* EXPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE \$/MWH	\$000	RATE \$/MWH
OPCO+CSP	24674.7	2099686.	85.09	635065.	25.74
I&M	6278.7	487505.	77.64	163143.	25.98
APCO	26.9	2611.	97.21	242.	9.00
KPCO	103.0	12797.	124.24	1263.	12.26
AEP	31083.3	2602599.	83.73	799712.	25.73

02/07/13 15:32:40 V04.0 R03.0

NewEnergy Associates  
Strategist Page 53

AEP EAST  
GENERATION AND FUEL MODULE  
COMPANY BILLING SUMMARY REPORT

YEAR = 2031

\*\*\*\*\* IMPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE \$/MWH	\$000	RATE \$/MWH
OPCO+CSP	25.3	1174.	46.41	150.	5.93
I&M	584.3	45973.	78.68	8457.	14.47
APCO	8766.9	718578.	81.96	232249.	26.49
KPCO	2789.4	177721.	63.71	35697.	12.80
AEP	12165.9	943446.	77.55	276553.	22.73

\*\*\*\*\* EXPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE \$/MWH	\$000	RATE \$/MWH
OPCO+CSP	24246.7	2118807.	87.39	635083.	26.19
I&M	4555.2	369038.	81.02	125468.	27.54
APCO	19.9	1915.	96.09	148.	7.44
KPCO	210.4	23970.	113.91	2842.	13.51
AEP	29032.2	2513730.	86.58	763542.	26.30

02/07/13 15:32:40 V04.0 R03.0

NewEnergy Associates  
Strategist Page 54

AEP EAST  
GENERATION AND FUEL MODULE  
COMPANY BILLING SUMMARY REPORT

YEAR = 2032

\*\*\*\*\* IMPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE \$/MWH	\$000	RATE \$/MWH
OPCO+CSP	18.6	893.	48.00	81.	4.34
I&M	83.9	7513.	89.53	1800.	21.45
APCO	9376.9	785723.	83.79	275696.	29.40
KPCO	2602.7	166747.	64.07	29189.	11.21
AEP	12082.2	960877.	79.53	306767.	25.39

\*\*\*\*\* EXPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE \$/MWH	\$000	RATE \$/MWH
OPCO+CSP	22692.1	2035192.	89.69	597038.	26.31
I&M	6528.8	526597.	80.66	175900.	26.94
APCO	27.9	2652.	95.09	243.	8.73
KPCO	232.2	26295.	113.22	2935.	12.64
AEP	29481.1	2590736.	87.88	776115.	26.33

02/07/13 15:32:40 V04.0 R03.0

NewEnergy Associates  
Strategist Page 55

AEP EAST  
GENERATION AND FUEL MODULE  
COMPANY BILLING SUMMARY REPORT

YEAR = 2033

\*\*\*\*\* IMPORT ENERGY \*\*\*\*\*

SB Output Summary.REP

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE \$/MWH	\$000	RATE \$/MWH
OPCO+CSP	23.2	1158.	49.99	90.	3.89
I&M	282.8	24418.	86.34	5500.	19.45
APCO	9587.7	826865.	86.24	309238.	32.25
KPCO	2706.3	179000.	66.14	33310.	12.31
AEP	12600.0	1031441.	81.86	348138.	27.63

\*\*\*\*\* EXPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE \$/MWH	\$000	RATE \$/MWH
OPCO+CSP	23176.8	2117630.	91.37	623926.	26.92
I&M	6160.6	510441.	82.86	171416.	27.82
APCO	5.8	633.	109.94	34.	5.96
KPCO	199.5	23777.	119.20	2884.	14.46
AEP	29542.6	2652482.	89.78	798261.	27.02

02/07/13 15:32:40 V04.0 R03.0

NewEnergy Associates  
Strategist Page 56

AEP EAST  
GENERATION AND FUEL MODULE  
COMPANY BILLING SUMMARY REPORT

YEAR = 2034

\*\*\*\*\* IMPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE \$/MWH	\$000	RATE \$/MWH
OPCO+CSP	29.1	1487.	51.15	129.	4.43
I&M	192.4	18001.	93.56	4695.	24.40
APCO	11054.6	987545.	89.33	460798.	41.68
KPCO	2693.3	181543.	67.41	32667.	12.13
AEP	13969.3	1188576.	85.08	498288.	35.67

\*\*\*\*\* EXPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE \$/MWH	\$000	RATE \$/MWH
OPCO+CSP	22456.5	2097591.	93.41	611219.	27.22
I&M	4999.2	431099.	86.23	134607.	26.93
APCO	11.7	1151.	98.08	99.	8.45
KPCO	186.2	22632.	121.57	2505.	13.46
AEP	27653.6	2552473.	92.30	748430.	27.06

02/07/13 15:32:40 V04.0 R03.0

NewEnergy Associates  
Strategist Page 57

AEP EAST  
GENERATION AND FUEL MODULE  
COMPANY BILLING SUMMARY REPORT

YEAR = 2035

\*\*\*\*\* IMPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE \$/MWH	\$000	RATE \$/MWH
OPCO+CSP	77.4	4353.	56.21	362.	4.68
I&M	426.5	40533.	95.04	10643.	24.96
APCO	10161.7	925543.	91.08	438821.	43.18
KPCO	2891.5	203738.	70.46	45543.	15.75
AEP	13557.1	1174168.	86.61	495370.	36.54

\*\*\*\*\* EXPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE \$/MWH	\$000	RATE \$/MWH
OPCO+CSP	20736.1	2006596.	96.77	585470.	28.23
I&M	3753.3	330310.	88.01	103460.	27.56
APCO	10.6	1132.	106.60	74.	7.00
KPCO	173.3	22117.	127.60	2840.	16.38
AEP	24673.3	2360156.	95.66	691844.	28.04

02/07/13 15:32:40 V04.0 R03.0

NewEnergy Associates  
Strategist Page 58

SB Output Summary.REP

AEP EAST  
GENERATION AND FUEL MODULE  
COMPANY BILLING SUMMARY REPORT

YEAR = 2036

\*\*\*\*\* IMPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE \$/MWH	\$000	RATE \$/MWH
OPCO+CSP	33.6	1775.	52.88	154.	4.60
I&M	5714.5	542283.	94.90	272755.	47.73
APCO	12548.7	1169802.	93.22	671606.	53.52
KPCO	2820.5	200298.	71.01	41888.	14.85
AEP	21117.4	1914158.	90.64	986404.	46.71

\*\*\*\*\* EXPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE \$/MWH	\$000	RATE \$/MWH
OPCO+CSP	22272.8	2177754.	97.78	636880.	28.59
I&M	231.5	22108.	95.52	2793.	12.07
APCO	10.4	1086.	103.94	85.	8.18
KPCO	208.5	26458.	126.92	3436.	16.48
AEP	22723.1	2227406.	98.02	643195.	28.31

02/07/13 15:32:40 V04.0 R03.0

AEP EAST  
GENERATION AND FUEL MODULE  
COMPANY BILLING SUMMARY REPORT

YEAR = 2037

\*\*\*\*\* IMPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE \$/MWH	\$000	RATE \$/MWH
OPCO+CSP	31.3	1725.	55.14	130.	4.17
I&M	4661.5	467731.	100.34	217007.	46.55
APCO	11050.7	1060066.	95.93	642108.	58.11
KPCO	2733.4	197525.	72.26	37209.	13.61
AEP	18476.8	1727048.	93.47	896454.	48.52

\*\*\*\*\* EXPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE \$/MWH	\$000	RATE \$/MWH
OPCO+CSP	22697.1	2253315.	99.28	671860.	29.60
I&M	213.4	21221.	99.42	2538.	11.89
APCO	11.0	1136.	103.44	57.	5.17
KPCO	203.8	26413.	129.57	3545.	17.39
AEP	23125.3	2302085.	99.55	678000.	29.32

02/07/13 15:32:40 V04.0 R03.0

AEP EAST  
GENERATION AND FUEL MODULE  
COMPANY BILLING SUMMARY REPORT

YEAR = 2038

\*\*\*\*\* IMPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE \$/MWH	\$000	RATE \$/MWH
OPCO+CSP	50.9	2814.	55.24	251.	4.93
I&M	13773.1	1350594.	98.06	1185769.	86.09
APCO	10706.6	1028688.	96.08	636317.	59.43
KPCO	3001.3	225344.	75.08	54468.	18.15
AEP	27531.9	2607440.	94.71	1876806.	68.17

\*\*\*\*\* EXPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY	BILLING	BILLING	SAVINGS	SAVINGS
	GWH	\$000	RATE \$/MWH	\$000	RATE \$/MWH



	GWH	\$000	\$/MWH	SB Output Summary.REP \$000	\$/MWH
OPCO+CSP	20737.9	2139655.	103.18	624426.	30.11
I&M	0.0	0.	0.00	0.	0.00
APCO	28.9	3358.	116.20	359.	12.41
KPCO	177.4	24356.	137.28	3627.	20.44
AEP	20944.2	2167370.	103.48	628412.	30.00

02/07/13 15:32:40 V04.0 R03.0

NewEnergy Associates  
Strategist Page 61

AEP EAST  
GENERATION AND FUEL MODULE  
COMPANY BILLING SUMMARY REPORT

YEAR = 2039

\*\*\*\*\* IMPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY GWH	BILLING \$000	BILLING RATE \$/MWH	SAVINGS \$000	SAVINGS RATE \$/MWH
OPCO+CSP	68.0	4103.	60.34	323.	4.76
I&M	13224.7	1343398.	101.58	1252424.	94.70
APCO	11137.9	1102412.	98.98	785159.	70.49
KPCO	2773.8	209400.	75.49	40931.	14.76
AEP	27204.4	2659313.	97.75	2078838.	76.42

\*\*\*\*\* EXPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY GWH	BILLING \$000	BILLING RATE \$/MWH	SAVINGS \$000	SAVINGS RATE \$/MWH
OPCO+CSP	20133.5	2134904.	106.04	620735.	30.83
I&M	0.0	0.	0.00	0.	0.00
APCO	38.5	4616.	119.95	611.	15.89
KPCO	187.3	26015.	138.90	3850.	20.56
AEP	20359.3	2165535.	106.37	625197.	30.71

02/07/13 15:32:40 V04.0 R03.0

NewEnergy Associates  
Strategist Page 62

AEP EAST  
GENERATION AND FUEL MODULE  
COMPANY BILLING SUMMARY REPORT

YEAR = 2040

\*\*\*\*\* IMPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY GWH	BILLING \$000	BILLING RATE \$/MWH	SAVINGS \$000	SAVINGS RATE \$/MWH
OPCO+CSP	50.5	2869.	56.84	277.	5.48
I&M	14530.4	1493726.	102.80	1553664.	106.93
APCO	12927.8	1331613.	103.00	1090540.	84.36
KPCO	3006.4	237411.	78.97	60730.	20.20
AEP	30515.1	3065618.	100.46	2705210.	88.65

\*\*\*\*\* EXPORT ENERGY \*\*\*\*\*

COMPANY	ENERGY GWH	BILLING \$000	BILLING RATE \$/MWH	SAVINGS \$000	SAVINGS RATE \$/MWH
OPCO+CSP	21952.0	2341675.	106.67	695894.	31.70
I&M	0.0	0.	0.00	0.	0.00
APCO	8.7	1174.	134.95	87.	10.04
KPCO	166.5	24885.	149.47	4300.	25.83
AEP	22127.2	2367734.	107.01	700280.	31.65

02/07/13 15:32:40 V04.0 R03.0

NewEnergy Associates  
Strategist Page 63

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

		2011	2012	2013	2014	2015	2016	2017
AMOS	1 CAPACITY FACTOR	0.7835	0.7966	0.5895	0.7683	0.6109	0.7731	0.7290
INDEX #	1 CAPACITY MW	790.00	790.00	790.00	790.00	790.00	790.00	790.00
	AVG HR	9.63	9.63	9.71	9.69	9.74	9.68	9.65
	VAR O&H CST \$000	13918.	14473.	10915.	14514.	11809.	15285.	14676.
	FIXED COST \$000	5010.	7647.	17003.	10252.	22826.	34623.	32932.
	FUEL COST \$000	123798.	141953.	116289.	166769.	137425.	176883.	167380.
	AV VAR CST \$/MWH	25.40	28.30	31.18	34.09	35.30	35.82	36.08
	GENERATION GWH	5422.4	5528.0	4079.4	5317.1	4227.8	5365.0	5045.2
	DUMP ENERGY GWH	2.6	0.0	0.0	0.0	0.0	0.0	0.0

SB Output Summary.REP

		FUEL BURN	000	MBTU	52212.	53253.	39598.	51520.	41194.	51925.	48706.
AMOS	2	CAPACITY FACTOR			0.8711	0.6372	0.7610	0.7830	0.7178	0.7971	0.8170
INDEX #	2	CAPACITY		MW	790.00	790.00	790.00	790.00	790.00	790.00	790.00
		AVG HR		MBTU/MWH	9.48	9.49	9.56	9.54	9.58	9.52	9.49
		VAR O&M CST		\$000	15405.	11525.	14034.	14723.	13811.	15683.	16369.
		FIXED COST		\$000	-2954.	12845.	12258.	17304.	25468.	27299.	29688.
		FUEL COST		\$000	138336.	110799.	147958.	167251.	158824.	179334.	184481.
		AV VAR CST		\$/MWH	25.50	27.67	30.76	33.58	34.75	35.26	35.52
		GENERATION		GWHR	6028.1	4421.6	5266.4	5418.4	4967.6	5531.0	5653.8
		FUEL BURN		000	57149.	41950.	50372.	51669.	47594.	52641.	53680.
AMOS OP	3	CAPACITY FACTOR			0.6970	0.8581	0.6744	0.7883	0.7206	0.7946	0.7341
INDEX #	3	CAPACITY		MW	858.00	858.00	858.00	858.00	858.00	858.00	858.00
		AVG HR		MBTU/MWH	9.69	9.68	9.75	9.75	9.77	9.74	9.72
		VAR O&M CST		\$000	13474.	16957.	13582.	16200.	15141.	17094.	16083.
		FIXED COST		\$000	15816.	12197.	21432.	19567.	26103.	33388.	40702.
		FUEL COST		\$000	122823.	166365.	145195.	186918.	176538.	198722.	184343.
		AV VAR CST		\$/MWH	26.02	28.35	31.33	34.28	35.39	36.04	36.32
		GENERATION		GWHR	5238.9	6467.0	5068.6	5924.8	5416.4	5988.9	5517.8
		FUEL BURN		000	50774.	62624.	49427.	57745.	52907.	58332.	53641.
BECKJORD	6	CAPACITY FACTOR			0.7288	0.7840	0.6562	0.7813	0.0000	0.0000	0.0000
INDEX #	4	CAPACITY		MW	53.00	53.00	53.00	53.00	53.00	53.00	53.00
		AVG HR		MBTU/MWH	9.69	9.61	9.67	9.62	0.00	0.00	0.00
		VAR O&M CST		\$000	1360.	1493.	1273.	1544.	0.	0.	0.
		FIXED COST		\$000	579.	850.	932.	2892.	0.	0.	0.
		FUEL COST		\$000	9037.	9570.	8329.	10106.	0.	0.	0.
		AV VAR CST		\$/MWH	30.73	30.31	31.52	32.12	0.00	0.00	0.00
		GENERATION		GWHR	338.4	365.0	304.6	362.7	0.0	0.0	0.0
		FUEL BURN		000	3278.	3507.	2946.	3488.	0.	0.	0.
BIG SAND	1	CAPACITY FACTOR			0.2807	0.1662	0.1393	0.0905	0.0801	0.0000	0.0000
INDEX #	5	CAPACITY		MW	278.00	278.00	278.00	278.00	278.00	278.00	278.00
		AVG HR		MBTU/MWH	9.51	9.52	9.51	9.38	9.41	0.00	0.00
		VAR O&M CST		\$000	1176.	712.	607.	401.	362.	0.	0.
		FIXED COST		\$000	3983.	3713.	4492.	11158.	21921.	0.	0.
		FUEL COST		\$000	18071.	4969.	10501.	6717.	6150.	0.	0.
		AV VAR CST		\$/MWH	28.15	13.99	32.74	32.29	33.40	0.00	0.00
		GENERATION		GWHR	683.7	406.0	339.2	220.5	195.0	0.0	0.0
		FUEL BURN		000	6503.	3864.	3228.	2068.	1836.	0.	0.
BIG SAND	2	CAPACITY FACTOR			0.5544	0.3293	0.3018	0.1947	0.0697	0.0000	0.0000
INDEX #	6	CAPACITY		MW	800.00	800.00	800.00	800.00	800.00	800.00	800.00
		AVG HR		MBTU/MWH	9.40	9.42	9.42	9.44	9.35	0.00	0.00
		VAR O&M CST		\$000	6160.	4848.	4955.	3188.	708.	0.	0.
		FIXED COST		\$000	0.	0.	16226.	16128.	41104.	0.	0.
		FUEL COST		\$000	101474.	26948.	64787.	41858.	15222.	0.	0.
		AV VAR CST		\$/MWH	27.70	13.74	32.98	33.02	32.61	0.00	0.00
		GENERATION		GWHR	3885.4	2314.3	2114.9	1364.3	488.6	0.0	0.0
		FUEL BURN		000	36523.	21801.	19914.	12882.	4570.	0.	0.
CARD 1+2	1	CAPACITY FACTOR			0.5368	0.3667	0.8057	0.6849	0.7621	0.7869	0.6934
INDEX #	7	CAPACITY		MW	595.00	595.00	595.00	595.00	595.00	595.00	595.00
		AVG HR		MBTU/MWH	9.28	9.28	9.28	9.28	9.28	9.28	9.28
		VAR O&M CST		\$000	8158.	5700.	12735.	11046.	12559.	13288.	11931.
		FIXED COST		\$000	8767.	4231.	-1079.	6291.	9989.	16484.	23447.
		FUEL COST		\$000	41169.	31985.	72443.	68184.	78073.	84243.	75682.
		AV VAR CST		\$/MWH	17.63	19.66	20.28	22.20	22.82	23.72	24.24
		GENERATION		GWHR	2797.7	1916.8	4199.4	3569.7	3972.1	4112.6	3614.1
		FUEL BURN		000	25971.	17786.	38990.	33129.	36867.	38160.	33526.
CARD 1+2	2	CAPACITY FACTOR			0.9143	0.8616	0.7701	0.9029	0.8457	0.7682	0.9210
INDEX #	8	CAPACITY		MW	595.00	595.00	595.00	595.00	595.00	595.00	595.00
		AVG HR		MBTU/MWH	9.39	9.39	9.40	9.40	9.40	9.39	9.39
		VAR O&M CST		\$000	13936.	13429.	12210.	14607.	13980.	13011.	15894.
		FIXED COST		\$000	-8579.	-6166.	-4599.	-8817.	-6363.	-2664.	-8019.
		FUEL COST		\$000	78193.	75892.	74268.	92330.	89792.	85145.	104907.
		AV VAR CST		\$/MWH	19.33	19.84	21.54	22.72	23.54	24.45	25.16
		GENERATION		GWHR	4765.4	4503.0	4014.1	4705.9	4408.2	4015.0	4800.5
		FUEL BURN		000	44765.	42295.	37739.	44226.	41428.	37713.	45075.
CARD 3	3	CAPACITY FACTOR			0.5338	0.7477	0.6750	0.7797	0.8102	0.7233	0.7953
INDEX #	9	CAPACITY		MW	630.00	620.00	620.00	620.00	620.00	620.00	620.00
		AVG HR		MBTU/MWH	10.14	10.34	10.37	10.35	10.36	10.36	10.34
		VAR O&M CST		\$000	8781.	12442.	11432.	13469.	14304.	13085.	14654.
		FIXED COST		\$000	-865.	-7188.	-3529.	-4422.	-6142.	-2264.	-3174.
		FUEL COST		\$000	60928.	81283.	90031.	104199.	114746.	110063.	121827.
		AV VAR CST		\$/MWH	23.66	23.02	27.68	27.79	29.33	31.26	31.60
		GENERATION		GWHR	2946.1	4072.0	3665.9	4234.9	4400.5	3939.3	4319.4
		FUEL BURN		000	29859.	42108.	38030.	43823.	45580.	40607.	44671.
CLINCH R	1	CAPACITY FACTOR			0.1773	0.3896	0.3043	0.5120	0.0000	0.0000	0.0000
INDEX #	16	CAPACITY		MW	235.00	235.00	235.00	235.00	235.00	235.00	235.00
		AVG HR		MBTU/MWH	9.16	9.22	9.28	8.99	0.00	0.00	0.00
		VAR O&M CST		\$000	1238.	2789.	2220.	3776.	0.	0.	0.
		FIXED COST		\$000	5368.	2502.	2429.	5693.	0.	0.	0.
		FUEL COST		\$000	11264.	31063.	23712.	31535.	0.	0.	0.
		AV VAR CST		\$/MWH	34.26	42.10	41.39	33.50	0.00	0.00	0.00
		GENERATION		GWHR	364.9	804.1	626.5	1054.0	0.0	0.0	0.0
		DUMP ENERGY		GWHR	0.0	0.0	0.0	1.1	0.0	0.0	0.0
		FUEL BURN		000	3342.	7417.	5815.	9476.	0.	0.	0.
CLINCH R	2	CAPACITY FACTOR			0.2932	0.3010	0.2610	0.3968	0.0000	0.0000	0.0000
INDEX #	17	CAPACITY		MW	235.00	235.00	235.00	235.00	235.00	235.00	235.00
		AVG HR		MBTU/MWH	9.52	9.34	9.47	9.13	0.00	0.00	0.00
		VAR O&M CST		\$000	2073.	2163.	1916.	2940.	0.	0.	0.
		FIXED COST		\$000	2451.	6541.	2578.	2427.	0.	0.	0.

SB Output Summary.REP

		FUEL COST	\$000	19370.	24100.	20755.	24822.	0.	0.	0.
		AV VAR CST	\$/MWH	35.52	42.27	42.20	33.99	0.00	0.00	0.00
		GENERATION	GW	603.6	621.4	537.3	816.8	0.0	0.0	0.0
		DUMP ENERGY	GW	0.1	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	5745.	5803.	5090.	7457.	0.	0.	0.
CLINCH R	3	CAPACITY FACTOR		0.0411	0.0432	0.0364	0.0644	0.0000	0.0000	0.0000
INDEX #	18	CAPACITY	MW	235.00	235.00	235.00	235.00	235.00	235.00	235.00
		AVG HR	MBTU/MWH	9.40	9.28	9.44	9.13	0.00	0.00	0.00
		VAR O&M CST	\$000	289.	310.	267.	477.	0.	0.	0.
		FIXED COST	\$000	4150.	4471.	7911.	3662.	0.	0.	0.
		FUEL COST	\$000	2683.	3384.	2884.	4029.	0.	0.	0.
		AV VAR CST	\$/MWH	35.15	41.38	42.06	33.99	0.00	0.00	0.00
		GENERATION	GW	84.6	89.3	74.9	132.6	0.0	0.0	0.0
		FUEL BURN	000 MBTU	795.	828.	707.	1210.	0.	0.	0.
ROCKP_KP	1	CAPACITY FACTOR		0.8024	0.7254	0.5982	0.4574	0.4409	0.0000	0.0000
INDEX #	19	CAPACITY	MW	198.00	198.00	198.00	198.00	198.00	203.40	203.40
		AVG HR	MBTU/MWH	9.63	9.63	9.63	9.63	9.63	0.00	0.00
		VAR O&M CST	\$000	1656.	2422.	2042.	3050.	3108.	0.	0.
		FIXED COST	\$000	0.	2201.	2520.	3370.	4422.	0.	0.
		FUEL COST	\$000	27880.	23594.	25151.	18778.	20377.	0.	0.
		AV VAR CST	\$/MWH	21.22	20.62	26.21	27.51	30.71	0.00	0.00
		GENERATION	GW	1391.7	1261.6	1037.6	793.4	764.7	0.0	0.0
		FUEL BURN	000 MBTU	13395.	12143.	9987.	7637.	7360.	0.	0.
ROCKP_KP	2	CAPACITY FACTOR		0.8604	0.6035	0.3924	0.5900	0.1245	0.0000	0.0000
INDEX #	20	CAPACITY	MW	195.00	195.00	195.00	195.00	195.00	195.00	195.00
		AVG HR	MBTU/MWH	9.67	9.67	9.67	9.67	9.67	0.00	0.00
		VAR O&M CST	\$000	1308.	2451.	1662.	5985.	1334.	0.	0.
		FIXED COST	\$000	0.	2728.	3326.	4118.	1179.	0.	0.
		FUEL COST	\$000	29567.	19413.	16319.	23855.	5693.	0.	0.
		AV VAR CST	\$/MWH	21.01	21.15	26.83	29.61	33.05	0.00	0.00
		GENERATION	GW	1469.7	1033.7	670.3	1007.9	212.6	0.0	0.0
		FUEL BURN	000 MBTU	14208.	9992.	6480.	9743.	2055.	0.	0.
CSVL 1-4	3	CAPACITY FACTOR		0.3935	0.4523	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	21	CAPACITY	MW	165.00	165.00	165.00	165.00	165.00	165.00	165.00
		AVG HR	MBTU/MWH	10.09	10.19	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	1663.	1959.	0.	0.	0.	0.	0.
		FIXED COST	\$000	-505.	115.	0.	0.	0.	0.	0.
		FUEL COST	\$000	16520.	21652.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	31.97	36.02	0.00	0.00	0.00	0.00	0.00
		GENERATION	GW	568.8	655.5	0.0	0.0	0.0	0.0	0.0
		DUMP ENERGY	GW	4.1	2.3	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	5737.	6677.	0.	0.	0.	0.	0.
CSVL 1-4	4	CAPACITY FACTOR		0.5865	0.4461	0.5431	0.7093	0.6031	0.7328	0.7499
INDEX #	22	CAPACITY	MW	337.00	337.00	337.00	337.00	337.00	337.00	337.00
		AVG HR	MBTU/MWH	9.95	9.92	9.93	9.91	9.93	9.89	9.86
		VAR O&M CST	\$000	5583.	4340.	5373.	7161.	6224.	7738.	8063.
		FIXED COST	\$000	6063.	17379.	11038.	11339.	20414.	21444.	21487.
		FUEL COST	\$000	49614.	41893.	55321.	74653.	65876.	81426.	84631.
		AV VAR CST	\$/MWH	31.88	35.01	37.85	39.07	40.50	41.10	41.87
		GENERATION	GW	1731.3	1320.6	1603.4	2094.0	1780.3	2169.2	2213.9
		DUMP ENERGY	GW	0.1	4.2	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	17220.	13104.	15914.	20755.	17675.	21449.	21832.

02/07/13 15:32:40 V04.0 R03.0

NewEnergy Associates  
Strategist Page 64

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

			2011	2012	2013	2014	2015	2016	2017
CSVL 5+6	5	CAPACITY FACTOR	0.6671	0.6533	0.6862	0.7557	0.5719	0.7752	0.8426
INDEX #	23	CAPACITY	400.00	400.00	400.00	400.00	400.00	400.00	400.00
		AVG HR	10.69	10.64	10.66	10.61	10.63	10.59	10.52
		VAR O&M CST	\$000	6928.	7408.	8315.	6433.	8927.	9870.
		FIXED COST	\$000	6519.	19856.	9843.	11524.	23147.	27588.
		FUEL COST	\$000	46439.	50678.	64818.	68487.	54300.	74911.
		AV VAR CST	\$/MWH	22.83	25.10	30.04	29.00	30.31	30.78
		GENERATION	GW	2337.4	2295.5	2404.6	2648.1	2004.0	2723.9
		FUEL BURN	000 MBTU	24979.	24431.	25641.	28093.	21310.	28837.
CSVL 5+6	6	CAPACITY FACTOR	0.6668	0.6953	0.6093	0.7735	0.7375	0.6328	0.8679
INDEX #	24	CAPACITY	400.00	400.00	400.00	400.00	400.00	400.00	400.00
		AVG HR	10.40	10.36	10.37	10.32	10.35	10.29	10.24
		VAR O&M CST	\$000	6880.	7331.	6534.	8453.	8241.	7237.
		FIXED COST	\$000	4703.	9303.	19603.	12194.	15054.	34508.
		FUEL COST	\$000	45175.	52520.	55990.	68158.	68118.	59442.
		AV VAR CST	\$/MWH	22.28	24.50	29.29	28.27	29.55	29.99
		GENERATION	GW	2336.5	2443.1	2134.9	2710.2	2584.1	2223.3
		FUEL BURN	000 MBTU	24294.	25322.	22149.	27959.	26736.	22881.
D C COOK	1	CAPACITY FACTOR	0.8307	0.9262	0.8482	0.8510	0.9261	0.8484	0.8511
INDEX #	25	CAPACITY	1084.00	1084.00	1084.00	1084.00	1084.00	1084.00	1084.00
		AVG HR	10.84	10.84	10.84	10.84	10.84	10.84	10.84
		VAR O&M CST	\$000	37008.	42616.	40089.	41428.	46437.	43938.
		FIXED COST	\$000	94385.	101139.	117673.	130558.	139847.	157400.
		FUEL COST	\$000	74736.	82250.	69499.	67080.	70289.	64808.
		AV VAR CST	\$/MWH	14.17	14.16	13.61	13.43	13.27	13.46
		GENERATION	GW	7888.1	8819.1	8054.4	8081.0	8794.2	8078.7
		DUMP ENERGY	GW	3.3	0.7	0.0	1.8	0.0	0.0
		FUEL BURN	000 MBTU	85539.	95634.	87342.	87630.	95365.	87606.
D C COOK	2	CAPACITY FACTOR	0.9370	0.8590	0.8511	0.9370	0.8590	0.8595	0.9370

SB Output Summary.REP

INDEX #	26	CAPACITY	MW	1107.00	1107.00	1107.00	1107.00	1107.00	1107.00	1107.00
		AVG HR	MBTU/MWH	10.97	10.97	10.97	10.97	10.97	10.97	10.97
		VAR O&M CST	\$000	42630.	40363.	41078.	46583.	43984.	45456.	50902.
		FIXED COST	\$000	88582.	103768.	117025.	125665.	143129.	156669.	166668.
		FUEL COST	\$000	81088.	73436.	71432.	76376.	68093.	67481.	71795.
		AV VAR CST	\$/MWH	13.62	13.62	13.63	13.53	13.46	13.51	13.50
		GENERATION	GWH	9086.6	8352.8	8253.0	9086.6	8329.7	8357.8	9086.6
		DUMP ENERGY	GWH	0.0	0.0	3.0	0.3	3.8	0.0	0.0
		FUEL BURN	000 MBTU	99680.	91630.	90536.	99680.	91377.	91685.	99679.
GAVIN	1	CAPACITY FACTOR		0.8914	0.8372	0.8582	0.7921	0.8469	0.8199	0.8856
INDEX #	27	CAPACITY	MW	1320.00	1320.00	1320.00	1320.00	1320.00	1320.00	1320.00
		AVG HR	MBTU/MWH	9.81	9.81	9.81	9.81	9.82	9.81	9.80
		VAR O&M CST	\$000	16538.	15884.	16566.	15606.	17052.	16910.	18603.
		FIXED COST	\$000	8765.	15440.	14327.	34782.	30442.	54366.	45707.
		FUEL COST	\$000	189542.	206697.	231526.	228919.	258322.	255264.	279810.
		AV VAR CST	\$/MWH	19.99	22.93	25.00	26.70	28.12	28.63	29.14
		GENERATION	GWH	10307.3	9707.7	9923.4	9158.7	9793.4	9507.0	10239.9
		FUEL BURN	000 MBTU	101102.	95202.	97382.	89868.	96132.	93256.	100402.
GAVIN	2	CAPACITY FACTOR		0.8000	0.9072	0.8327	0.8840	0.6838	0.8961	0.8525
INDEX #	28	CAPACITY	MW	1320.00	1320.00	1320.00	1320.00	1320.00	1320.00	1320.00
		AVG HR	MBTU/MWH	9.88	9.82	9.83	9.83	9.83	9.83	9.82
		VAR O&M CST	\$000	14883.	17222.	16085.	17430.	13777.	18492.	17921.
		FIXED COST	\$000	17493.	12326.	22931.	25912.	48672.	41294.	62263.
		FUEL COST	\$000	171205.	224687.	225033.	255960.	208916.	279451.	269859.
		AV VAR CST	\$/MWH	20.12	23.00	25.04	26.75	28.16	28.68	29.19
		GENERATION	GWH	9250.3	10518.3	9629.2	10222.0	7907.2	10389.7	9857.5
		FUEL BURN	000 MBTU	91362.	103338.	94655.	100481.	77747.	102097.	96841.
GLEN LYN	5	CAPACITY FACTOR		0.0141	0.0152	0.0109	0.0099	0.0000	0.0000	0.0000
INDEX #	29	CAPACITY	MW	95.00	95.00	95.00	95.00	95.00	95.00	95.00
		AVG HR	MBTU/MWH	11.89	11.72	11.87	11.51	0.00	0.00	0.00
		VAR O&M CST	\$000	75.	82.	60.	55.	0.	0.	0.
		FIXED COST	\$000	2142.	3198.	2717.	460.	0.	0.	0.
		FUEL COST	\$000	551.	582.	457.	415.	0.	0.	0.
		AV VAR CST	\$/MWH	53.20	52.53	57.20	57.09	0.00	0.00	0.00
		GENERATION	GWH	11.8	12.6	9.0	8.2	0.0	0.0	0.0
		FUEL BURN	000 MBTU	140.	148.	107.	95.	0.	0.	0.
GLEN LYN	6	CAPACITY FACTOR		0.0378	0.0459	0.0252	0.0287	0.0000	0.0000	0.0000
INDEX #	30	CAPACITY	MW	240.00	240.00	240.00	240.00	240.00	240.00	240.00
		AVG HR	MBTU/MWH	8.69	8.58	8.72	8.62	0.00	0.00	0.00
		VAR O&M CST	\$000	450.	557.	312.	363.	0.	0.	0.
		FIXED COST	\$000	2788.	3801.	2538.	196.	0.	0.	0.
		FUEL COST	\$000	2718.	3260.	1963.	2281.	0.	0.	0.
		AV VAR CST	\$/MWH	39.87	39.43	43.02	43.74	0.00	0.00	0.00
		GENERATION	GWH	79.5	96.8	52.9	60.4	0.0	0.0	0.0
		FUEL BURN	000 MBTU	690.	831.	461.	521.	0.	0.	0.
KAMMER	1	CAPACITY FACTOR		0.5409	0.7556	0.6650	0.6090	0.0000	0.0000	0.0000
INDEX #	33	CAPACITY	MW	210.00	210.00	210.00	210.00	210.00	210.00	210.00
		AVG HR	MBTU/MWH	10.19	9.94	10.21	10.14	0.00	0.00	0.00
		VAR O&M CST	\$000	5023.	7107.	6431.	5995.	0.	0.	0.
		FIXED COST	\$000	-2004.	-3673.	-3601.	3046.	0.	0.	0.
		FUEL COST	\$000	28933.	40533.	41056.	38268.	0.	0.	0.
		AV VAR CST	\$/MWH	34.13	34.18	38.81	39.51	0.00	0.00	0.00
		GENERATION	GWH	995.0	1393.9	1223.4	1120.4	0.0	0.0	0.0
		DUMP ENERGY	GWH	4.2	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	10135.	13860.	12490.	11364.	0.	0.	0.
KAMMER	2	CAPACITY FACTOR		0.5319	0.6973	0.6585	0.6407	0.0000	0.0000	0.0000
INDEX #	34	CAPACITY	MW	210.00	210.00	210.00	210.00	210.00	210.00	210.00
		AVG HR	MBTU/MWH	10.32	10.08	10.33	10.27	0.00	0.00	0.00
		VAR O&M CST	\$000	4966.	6593.	6399.	6339.	0.	0.	0.
		FIXED COST	\$000	-1752.	-2481.	-3243.	2979.	0.	0.	0.
		FUEL COST	\$000	28817.	38003.	41145.	40755.	0.	0.	0.
		AV VAR CST	\$/MWH	34.52	34.67	39.25	39.96	0.00	0.00	0.00
		GENERATION	GWH	978.6	1286.2	1211.4	1178.6	0.0	0.0	0.0
		DUMP ENERGY	GWH	9.8	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	10100.	12960.	12517.	12105.	0.	0.	0.
KAMMER	3	CAPACITY FACTOR		0.3903	0.4828	0.3901	0.4031	0.0000	0.0000	0.0000
INDEX #	35	CAPACITY	MW	210.00	210.00	210.00	210.00	210.00	210.00	210.00
		AVG HR	MBTU/MWH	9.86	9.58	9.86	9.81	0.00	0.00	0.00
		VAR O&M CST	\$000	3577.	4475.	3720.	3915.	0.	0.	0.
		FIXED COST	\$000	-390.	-1249.	2649.	4477.	0.	0.	0.
		FUEL COST	\$000	20906.	25473.	23273.	24499.	0.	0.	0.
		AV VAR CST	\$/MWH	34.10	33.62	37.62	38.32	0.00	0.00	0.00
		GENERATION	GWH	718.1	890.7	717.6	741.6	0.0	0.0	0.0
		DUMP ENERGY	GWH	0.1	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	7077.	8536.	7078.	7274.	0.	0.	0.
KANAWHA	1	CAPACITY FACTOR		0.2548	0.5869	0.4936	0.4956	0.0000	0.0000	0.0000
INDEX #	36	CAPACITY	MW	200.00	200.00	200.00	200.00	200.00	200.00	200.00
		AVG HR	MBTU/MWH	9.54	9.47	9.61	9.55	0.00	0.00	0.00
		VAR O&M CST	\$000	1883.	4427.	3800.	3888.	0.	0.	0.
		FIXED COST	\$000	2716.	268.	1609.	5508.	0.	0.	0.
		FUEL COST	\$000	9599.	23160.	28658.	27600.	0.	0.	0.
		AV VAR CST	\$/MWH	25.72	26.75	37.53	36.26	0.00	0.00	0.00
		GENERATION	GWH	446.4	1031.1	864.8	868.4	0.0	0.0	0.0
		DUMP ENERGY	GWH	0.0	0.0	1.1	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	4259.	9759.	8312.	8294.	0.	0.	0.
KANAWHA	2	CAPACITY FACTOR		0.3028	0.6487	0.4840	0.5249	0.0000	0.0000	0.0000
INDEX #	37	CAPACITY	MW	200.00	200.00	200.00	200.00	200.00	200.00	200.00
		AVG HR	MBTU/MWH	9.43	9.32	9.51	9.44	0.00	0.00	0.00
		VAR O&M CST	\$000	2232.	4875.	3716.	4106.	0.	0.	0.

SB Output Summary.REP

INDEX #	UNIT	TYPE	2011	2012	2013	2014	2015	2016	2017
		FIXED COST	\$000	2358.	-415.	1276.	442.	0.	0.
		FUEL COST	\$000	11313.	25169.	27801.	28881.	0.	0.
		AV VAR CST	\$/MWH	25.53	26.36	37.17	35.87	0.00	0.00
		GENERATION	GWH	530.5	1139.6	847.9	919.6	0.0	0.0
		DUMP ENERGY	GWH	0.0	0.0	0.0	0.2	0.0	0.0
		FUEL BURN	000 MBTU	5004.	10620.	8065.	8679.	0.	0.
MITCHELL	1	CAPACITY FACTOR		0.7165	0.8455	0.7416	0.8413	0.8124	0.7556
INDEX #	43	CAPACITY	MW	614.00	614.00	614.00	614.00	614.00	614.00
		AVG HR	MBTU/MWH	10.10	10.08	10.11	10.07	10.06	10.05
		VAR O&M CST	\$000	5676.	6842.	6112.	7066.	6971.	6639.
		FIXED COST	\$000	12366.	11713.	22711.	26382.	35326.	50019.
		FUEL COST	\$000	90145.	121466.	108807.	122430.	120359.	117803.
		AV VAR CST	\$/MWH	24.86	28.14	28.81	28.62	29.14	30.54
		GENERATION	GWH	3854.0	4560.0	3988.8	4524.8	4369.5	4075.0
		FUEL BURN	000 MBTU	38929.	45945.	40339.	45560.	43969.	40946.
MITCHELL	2	CAPACITY FACTOR		0.8089	0.7238	0.8079	0.8451	0.7490	0.8679
INDEX #	44	CAPACITY	MW	634.00	634.00	634.00	634.00	634.00	634.00
		AVG HR	MBTU/MWH	9.65	9.63	9.65	9.62	9.61	9.60
		VAR O&M CST	\$000	6519.	5960.	6772.	7221.	6538.	7759.
		FIXED COST	\$000	7632.	16143.	16010.	26032.	43573.	42841.
		FUEL COST	\$000	100452.	102661.	116820.	121291.	109439.	133465.
		AV VAR CST	\$/MWH	23.81	26.95	27.55	27.38	27.88	29.22
		GENERATION	GWH	4492.5	4030.6	4486.8	4693.4	4159.8	4833.1
		FUEL BURN	000 MBTU	43357.	38809.	43309.	45140.	39984.	46390.

02/07/13 15:32:40 V04.0 R03.0

NewEnergy Associates  
Strategist Page 65

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

INDEX #	UNIT	TYPE	2011	2012	2013	2014	2015	2016	2017
MOUNT_ER	1	CAPACITY FACTOR		0.7808	0.8525	0.8445	0.7936	0.8488	0.6719
INDEX #	45	CAPACITY	MW	1314.00	1314.00	1314.00	1314.00	1314.00	1314.00
		AVG HR	MBTU/MWH	9.63	9.59	9.60	9.66	9.60	9.59
		VAR O&M CST	\$000	24084.	26885.	27072.	25951.	28364.	23014.
		FIXED COST	\$000	13535.	29606.	35116.	53294.	45880.	86618.
		FUEL COST	\$000	182217.	228290.	220048.	217765.	240763.	198337.
		AV VAR CST	\$/MWH	22.96	25.93	25.42	26.68	27.55	28.54
		GENERATION	GWH	8987.0	9840.0	9721.1	9134.4	9770.2	7754.8
		DUMP ENERGY	GWH	1.1	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	86584.	94328.	93334.	88258.	93777.	74353.
MUSK RVR	1	CAPACITY FACTOR		0.5143	0.4458	0.3461	0.4203	0.0000	0.0000
INDEX #	46	CAPACITY	MW	205.00	205.00	205.00	205.00	205.00	205.00
		AVG HR	MBTU/MWH	10.04	10.04	10.05	10.04	0.00	0.00
		VAR O&M CST	\$000	2104.	1865.	1473.	1825.	0.	0.
		FIXED COST	\$000	-646.	531.	491.	5438.	0.	0.
		FUEL COST	\$000	20385.	24413.	20220.	24768.	0.	0.
		AV VAR CST	\$/MWH	24.35	32.74	34.90	35.23	0.00	0.00
		GENERATION	GWH	923.6	802.7	621.5	754.8	0.0	0.0
		FUEL BURN	000 MBTU	9270.	8061.	6243.	7578.	0.	0.
MUSK RVR	2	CAPACITY FACTOR		0.5146	0.5069	0.4218	0.4647	0.0000	0.0000
INDEX #	47	CAPACITY	MW	205.00	205.00	205.00	205.00	205.00	205.00
		AVG HR	MBTU/MWH	10.03	10.04	10.04	10.04	0.00	0.00
		VAR O&M CST	\$000	2105.	2121.	1794.	2017.	0.	0.
		FIXED COST	\$000	-754.	1513.	32.	-1379.	0.	0.
		FUEL COST	\$000	20394.	27791.	24624.	27373.	0.	0.
		AV VAR CST	\$/MWH	24.35	32.77	34.88	35.22	0.00	0.00
		GENERATION	GWH	924.2	912.7	757.4	834.5	0.0	0.0
		FUEL BURN	000 MBTU	9271.	9160.	7604.	8375.	0.	0.
MUSK RVR	3	CAPACITY FACTOR		0.5084	0.4629	0.3923	0.4300	0.0000	0.0000
INDEX #	48	CAPACITY	MW	215.00	215.00	215.00	215.00	215.00	215.00
		AVG HR	MBTU/MWH	9.86	9.86	9.85	9.86	0.00	0.00
		VAR O&M CST	\$000	2174.	2024.	1744.	1951.	0.	0.
		FIXED COST	\$000	-702.	224.	385.	10953.	0.	0.
		FUEL COST	\$000	20751.	26115.	23575.	26093.	0.	0.
		AV VAR CST	\$/MWH	23.94	32.19	34.27	34.63	0.00	0.00
		GENERATION	GWH	957.5	874.3	738.9	809.8	0.0	0.0
		FUEL BURN	000 MBTU	9439.	8616.	7280.	7984.	0.	0.
MUSK RVR	4	CAPACITY FACTOR		0.0726	0.0655	0.0557	0.0607	0.0000	0.0000
INDEX #	49	CAPACITY	MW	215.00	215.00	215.00	215.00	215.00	215.00
		AVG HR	MBTU/MWH	9.84	9.84	9.83	9.84	0.00	0.00
		VAR O&M CST	\$000	310.	286.	248.	275.	0.	0.
		FIXED COST	\$000	992.	2279.	987.	-74.	0.	0.
		FUEL COST	\$000	2985.	3718.	3342.	3676.	0.	0.
		AV VAR CST	\$/MWH	24.10	32.37	34.21	34.57	0.00	0.00
		GENERATION	GWH	136.7	123.7	104.9	114.3	0.0	0.0
		FUEL BURN	000 MBTU	1345.	1217.	1032.	1125.	0.	0.
MUSK RVR	5	CAPACITY FACTOR		0.6875	0.6060	0.7324	0.7122	0.2871	0.0000
INDEX #	50	CAPACITY	MW	600.00	600.00	600.00	600.00	600.00	600.00
		AVG HR	MBTU/MWH	9.61	9.60	9.61	9.61	9.61	0.00
		VAR O&M CST	\$000	18161.	7356.	9041.	8971.	3695.	0.
		FIXED COST	\$000	18686.	24101.	19057.	18096.	25707.	0.
		FUEL COST	\$000	97538.	106036.	148984.	148761.	60564.	0.
		AV VAR CST	\$/MWH	29.25	35.50	41.05	42.14	42.59	0.00
		GENERATION	GWH	3613.3	3194.1	3849.7	3743.5	1508.9	0.0
		DUMP ENERGY	GWH	0.0	0.0	19.6	15.7	0.0	0.0
		FUEL BURN	000 MBTU	34720.	30677.	37008.	35968.	14498.	0.
P SPORN	1	CAPACITY FACTOR		0.3559	0.3597	0.3249	0.2293	0.0000	0.0000

SB Output Summary.REP

INDEX #	51	CAPACITY	MW	150.00	150.00	150.00	150.00	150.00	150.00	150.00
		AVG HR	MBTU/MWH	9.82	9.73	9.85	9.72	0.00	0.00	0.00
		VAR O&M CST	\$000	1805.	1860.	1715.	1231.	0.	0.	0.
		FIXED COST	\$000	-683.	-387.	-416.	1110.	0.	0.	0.
		FUEL COST	\$000	13033.	15265.	14966.	10570.	0.	0.	0.
		AV VAR CST	\$/MWH	31.73	36.14	39.08	39.17	0.00	0.00	0.00
		GENERATION	GWH	467.6	473.9	426.9	301.2	0.0	0.0	0.0
		FUEL BURN	000 MBTU	4591.	4611.	4207.	2929.	0.	0.	0.
P SPORN	2	CAPACITY FACTOR		0.3506	0.4601	0.2309	0.3266	0.0000	0.0000	0.0000
INDEX #	52	CAPACITY	MW	150.00	150.00	150.00	150.00	150.00	150.00	150.00
		AVG HR	MBTU/MWH	9.11	9.10	9.11	9.11	0.00	0.00	0.00
		VAR O&M CST	\$000	2019.	2709.	1383.	1996.	0.	0.	0.
		FIXED COST	\$000	5230.	6071.	7969.	9694.	0.	0.	0.
		FUEL COST	\$000	11933.	18246.	9838.	14106.	0.	0.	0.
		AV VAR CST	\$/MWH	30.29	34.57	36.98	37.52	0.00	0.00	0.00
		GENERATION	GWH	460.7	606.2	303.4	429.2	0.0	0.0	0.0
		FUEL BURN	000 MBTU	4196.	5519.	2764.	3909.	0.	0.	0.
P SPORN	3	CAPACITY FACTOR		0.0526	0.0594	0.0452	0.0406	0.0000	0.0000	0.0000
INDEX #	53	CAPACITY	MW	150.00	150.00	150.00	150.00	150.00	150.00	150.00
		AVG HR	MBTU/MWH	9.63	9.60	9.81	9.71	0.00	0.00	0.00
		VAR O&M CST	\$000	265.	306.	239.	218.	0.	0.	0.
		FIXED COST	\$000	3439.	789.	1049.	3490.	0.	0.	0.
		FUEL COST	\$000	1889.	2516.	2075.	1867.	0.	0.	0.
		AV VAR CST	\$/MWH	31.16	36.04	38.90	39.11	0.00	0.00	0.00
		GENERATION	GWH	69.1	78.3	59.5	53.3	0.0	0.0	0.0
		FUEL BURN	000 MBTU	665.	752.	583.	517.	0.	0.	0.
P SPORN	4	CAPACITY FACTOR		0.0493	0.0598	0.0355	0.0419	0.0000	0.0000	0.0000
INDEX #	54	CAPACITY	MW	150.00	150.00	150.00	150.00	150.00	150.00	150.00
		AVG HR	MBTU/MWH	9.43	9.49	9.50	9.50	0.00	0.00	0.00
		VAR O&M CST	\$000	286.	356.	215.	258.	0.	0.	0.
		FIXED COST	\$000	6773.	7579.	7369.	9415.	0.	0.	0.
		FUEL COST	\$000	1734.	2501.	1576.	1885.	0.	0.	0.
		AV VAR CST	\$/MWH	31.21	36.25	38.40	38.96	0.00	0.00	0.00
		GENERATION	GWH	64.7	78.8	46.6	55.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	610.	748.	443.	522.	0.	0.	0.
P SPORN	5	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	55	CAPACITY	MW	450.00	450.00	450.00	450.00	450.00	450.00	450.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.	0.
PICWAY	5	CAPACITY FACTOR		0.0145	0.0237	0.0134	0.0203	0.0000	0.0000	0.0000
INDEX #	56	CAPACITY	MW	100.00	100.00	100.00	100.00	100.00	100.00	100.00
		AVG HR	MBTU/MWH	11.04	11.03	11.04	11.03	0.00	0.00	0.00
		VAR O&M CST	\$000	99.	165.	95.	147.	0.	0.	0.
		FIXED COST	\$000	2127.	1772.	2521.	1450.	0.	0.	0.
		FUEL COST	\$000	423.	686.	415.	625.	0.	0.	0.
		AV VAR CST	\$/MWH	41.01	40.96	43.52	43.45	0.00	0.00	0.00
		GENERATION	GWH	12.7	20.8	11.7	17.7	0.0	0.0	0.0
		FUEL BURN	000 MBTU	141.	229.	129.	196.	0.	0.	0.
RPRUN IM	1	CAPACITY FACTOR		0.4391	0.6980	0.4919	0.6133	0.6597	0.0000	0.0000
INDEX #	58	CAPACITY	MW	1105.00	1105.00	1105.00	1105.00	1105.00	1105.00	1105.00
		AVG HR	MBTU/MWH	9.70	9.68	9.71	9.69	9.69	0.00	0.00
		VAR O&M CST	\$000	6646.	10797.	7746.	9853.	10826.	0.	0.
		FIXED COST	\$000	25686.	16407.	21159.	19977.	37160.	0.	0.
		FUEL COST	\$000	85648.	127416.	116429.	141469.	171196.	0.	0.
		AV VAR CST	\$/MWH	21.72	20.40	26.08	25.49	28.50	0.00	0.00
		GENERATION	GWH	4250.0	6775.2	4761.5	5937.0	6385.6	0.0	0.0
		DUMP ENERGY	GWH	0.0	0.0	0.0	0.0	6.2	0.0	0.0
		FUEL BURN	000 MBTU	41245.	65611.	46225.	57547.	61862.	0.	0.
ROCKP IM	2	CAPACITY FACTOR		0.7457	0.6452	0.7480	0.6704	0.2061	0.0000	0.0000
INDEX #	59	CAPACITY	MW	1105.00	1105.00	1105.00	1105.00	1105.00	1105.00	1105.00
		AVG HR	MBTU/MWH	9.71	9.69	9.73	9.70	9.71	0.00	0.00
		VAR O&M CST	\$000	9156.	8091.	9564.	8739.	2745.	0.	0.
		FIXED COST	\$000	4695.	17642.	9555.	19368.	3270.	0.	0.
		FUEL COST	\$000	145729.	116692.	177382.	154144.	53624.	0.	0.
		AV VAR CST	\$/MWH	21.46	19.93	25.82	25.10	28.26	0.00	0.00
		GENERATION	GWH	7218.1	6262.5	7240.6	6489.1	1994.7	0.0	0.0
		DUMP ENERGY	GWH	2.3	0.9	6.5	2.2	0.3	0.0	0.0
		FUEL BURN	000 MBTU	70107.	60657.	70453.	62971.	19359.	0.	0.
STUART	1	CAPACITY FACTOR		0.8281	0.7879	0.7608	0.8234	0.7683	0.7142	0.8726
INDEX #	61	CAPACITY	MW	150.00	150.00	150.00	150.00	150.00	150.00	150.00
		AVG HR	MBTU/MWH	9.55	9.53	9.55	9.54	9.54	9.52	9.50
		VAR O&M CST	\$000	2774.	2698.	2650.	2926.	2790.	2656.	3305.
		FIXED COST	\$000	5516.	5956.	7263.	9038.	9865.	11460.	11828.
		FUEL COST	\$000	27857.	27394.	28040.	30416.	28393.	26568.	32411.
		AV VAR CST	\$/MWH	28.15	28.99	30.70	30.82	30.89	31.06	31.15
		GENERATION	GWH	1088.2	1038.2	999.7	1081.9	1009.5	941.0	1146.6
		FUEL BURN	000 MBTU	10391.	9894.	9547.	10321.	9634.	8954.	10888.
STUART	2	CAPACITY FACTOR		0.7026	0.7883	0.8174	0.7748	0.7813	0.8662	0.8300
INDEX #	62	CAPACITY	MW	150.00	150.00	150.00	150.00	150.00	150.00	150.00
		AVG HR	MBTU/MWH	9.71	9.69	9.71	9.70	9.69	9.64	9.61
		VAR O&M CST	\$000	2363.	2709.	2858.	2764.	2847.	3231.	3152.
		FIXED COST	\$000	5944.	5919.	7062.	9201.	9846.	10974.	11956.
		FUEL COST	\$000	24060.	27885.	30635.	29096.	29304.	32642.	31211.
		AV VAR CST	\$/MWH	28.62	29.45	31.18	31.29	31.32	31.43	31.51

AEP EAST  
 GENERATION AND FUEL MODULE  
 UNIT REPORT

			2011	2012	2013	2014	2015	2016	2017
STUART	3	CAPACITY FACTOR	0.6965	0.7828	0.8053	0.7726	0.7630	0.8379	0.8060
INDEX #	63	CAPACITY	150.00	150.00	150.00	150.00	150.00	150.00	150.00
		AVG HR	9.56	9.55	9.57	9.55	9.56	9.55	9.53
		VAR O&M CST \$000	2334.	2681.	2806.	2747.	2772.	3118.	3056.
		FIXED COST \$000	5962.	5979.	7111.	9231.	9875.	11011.	12028.
		FUEL COST \$000	23489.	27299.	29730.	28587.	28246.	31266.	30055.
		AV VAR CST \$/MWH	28.22	29.07	30.75	30.86	30.94	31.14	31.26
		GENERATION GWH	915.2	1031.5	1058.1	1015.2	1002.5	1104.0	1059.1
		FUEL BURN 000 MBTU	8750.	9852.	10123.	9700.	9585.	10538.	10096.
STUART	4	CAPACITY FACTOR	0.7735	0.7835	0.8072	0.6912	0.7651	0.8405	0.8142
INDEX #	64	CAPACITY	150.00	150.00	150.00	150.00	150.00	150.00	150.00
		AVG HR	9.73	9.71	9.74	9.72	9.73	9.70	9.67
		VAR O&M CST \$000	2602.	2694.	2824.	2467.	2790.	3139.	3097.
		FIXED COST \$000	5690.	5960.	7094.	9487.	9867.	10999.	12020.
		FUEL COST \$000	26546.	27780.	30327.	26015.	28814.	31866.	30798.
		AV VAR CST \$/MWH	28.68	29.52	31.26	31.36	31.44	31.61	31.68
		GENERATION GWH	1016.4	1032.4	1060.6	908.2	1005.3	1107.4	1069.8
		FUEL BURN 000 MBTU	9890.	10026.	10326.	8828.	9777.	10741.	10345.
AMOS AP	3	CAPACITY FACTOR	0.6981	0.8336	0.6617	0.7622	0.6886	0.7587	0.6944
INDEX #	65	CAPACITY	429.00	429.00	429.00	429.00	429.00	429.00	429.00
		AVG HR	9.69	9.70	9.77	9.77	9.80	9.77	9.76
		VAR O&M CST \$000	6747.	8241.	6666.	7837.	7242.	8168.	7616.
		FIXED COST \$000	37159.	43716.	53622.	46278.	57363.	67579.	68324.
		FUEL COST \$000	61454.	80974.	71336.	90577.	84645.	95188.	87543.
		AV VAR CST \$/MWH	26.00	26.40	31.37	34.36	35.51	36.15	36.46
		GENERATION GWH	2623.4	3141.3	2486.6	2864.3	2587.9	2858.9	2609.7
		DUMP ENERGY GWH	0.0	0.0	0.0	0.0	0.3	0.2	0.1
		FUEL BURN 000 MBTU	25419.	30477.	24285.	27982.	25367.	27941.	25473.
TANN 1-3	1	CAPACITY FACTOR	0.0404	0.0439	0.0297	0.0357	0.0000	0.0000	0.0000
INDEX #	66	CAPACITY	145.00	145.00	145.00	145.00	145.00	145.00	145.00
		AVG HR	10.08	10.15	10.15	10.15	0.00	0.00	0.00
		VAR O&M CST \$000	291.	324.	223.	274.	0.	0.	0.
		FIXED COST \$000	1621.	1653.	1907.	-229.	0.	0.	0.
		FUEL COST \$000	1191.	1652.	1236.	1786.	0.	0.	0.
		AV VAR CST \$/MWH	28.85	35.32	38.70	45.41	0.00	0.00	0.00
		GENERATION GWH	51.4	55.9	37.7	45.3	0.0	0.0	0.0
		FUEL BURN 000 MBTU	518.	568.	383.	460.	0.	0.	0.
TANN 1-3	2	CAPACITY FACTOR	0.0426	0.0461	0.0309	0.0374	0.0000	0.0000	0.0000
INDEX #	67	CAPACITY	145.00	145.00	145.00	145.00	145.00	145.00	145.00
		AVG HR	10.16	10.23	10.23	10.23	0.00	0.00	0.00
		VAR O&M CST \$000	308.	341.	233.	287.	0.	0.	0.
		FIXED COST \$000	1619.	1740.	2023.	1575.	0.	0.	0.
		FUEL COST \$000	1264.	1746.	1298.	1883.	0.	0.	0.
		AV VAR CST \$/MWH	29.03	35.57	38.97	45.74	0.00	0.00	0.00
		GENERATION GWH	54.1	58.7	39.3	47.5	0.0	0.0	0.0
		FUEL BURN 000 MBTU	550.	600.	402.	485.	0.	0.	0.
TANN 1-3	3	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	68	CAPACITY	205.00	205.00	205.00	205.00	205.00	205.00	205.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST \$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST \$000	5251.	-2032.	-804.	9389.	0.	0.	0.
		FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000 MBTU	0.	0.	0.	0.	0.	0.	0.
TANN 4	4	CAPACITY FACTOR	0.3240	0.4271	0.2512	0.0000	0.0000	0.0000	0.0000
INDEX #	69	CAPACITY	500.00	500.00	500.00	500.00	500.00	500.00	500.00
		AVG HR	9.75	9.74	9.77	0.00	0.00	0.00	0.00
		VAR O&M CST \$000	8621.	11618.	6960.	0.	0.	0.	0.
		FIXED COST \$000	-1827.	2827.	15698.	0.	0.	0.	0.
		FUEL COST \$000	22799.	39326.	32451.	0.	0.	0.	0.
		AV VAR CST \$/MWH	22.14	27.16	35.82	0.00	0.00	0.00	0.00
		GENERATION GWH	1419.0	1876.0	1100.3	0.0	0.0	0.0	0.0
		FUEL BURN 000 MBTU	13841.	18280.	10750.	0.	0.	0.	0.
ZIMMER	1	CAPACITY FACTOR	0.8085	0.6582	0.7983	0.8172	0.7220	0.8876	0.9075
INDEX #	70	CAPACITY	330.00	330.00	330.00	330.00	330.00	330.00	330.00
		AVG HR	9.78	9.77	9.79	9.77	9.73	9.71	9.69
		VAR O&M CST \$000	7030.	5849.	7222.	7540.	6797.	8555.	8907.
		FIXED COST \$000	6217.	19337.	8278.	9666.	18647.	20674.	27678.
		FUEL COST \$000	53759.	47404.	59594.	61343.	52362.	65885.	68331.
		AV VAR CST \$/MWH	26.01	27.91	28.95	29.16	28.34	28.93	29.44
		GENERATION GWH	2337.3	1907.8	2307.7	2362.3	2087.2	2573.0	2623.3
		FUEL BURN 000 MBTU	22862.	18641.	22596.	23084.	20316.	24983.	25430.
CEREDO	1	CAPACITY FACTOR	0.3994	0.4818	0.4159	0.2047	0.4143	0.5416	0.3736
INDEX #	75	CAPACITY	86.00	86.00	86.00	86.00	86.00	86.00	86.00
		AVG HR	11.73	11.73	11.73	11.73	11.73	11.73	11.73
		VAR O&M CST \$000	1559.	1923.	1687.	847.	1752.	2348.	1651.
		FIXED COST \$000	-1235.	-1004.	-1146.	118.	999.	1055.	994.
		FUEL COST \$000	16446.	20927.	19938.	10101.	21844.	30269.	21578.



SB Output Summary.REP

		AV VAR CST	\$/MWH	59.84	62.78	69.02	70.98	75.60	79.72	82.53
		GENERATION	GWH	300.9	364.0	313.3	154.2	312.1	409.2	281.4
		FUEL BURN	000 MBTU	3529.	4269.	3675.	1809.	3661.	4800.	3301.
CEREDO	2	CAPACITY FACTOR		0.3408	0.4069	0.3796	0.1522	0.3755	0.5079	0.3199
INDEX #	76	CAPACITY	MW	86.00	86.00	86.00	86.00	86.00	86.00	86.00
		AVG HR	MBTU/MWH	11.74	11.74	11.74	11.73	11.74	11.74	11.74
		VAR O&M CST	\$000	1330.	1624.	1540.	630.	1588.	2201.	1413.
		FIXED COST	\$000	-1011.	-697.	-1004.	140.	287.	334.	278.
		FUEL COST	\$000	14011.	17627.	18223.	7678.	19888.	28393.	18601.
		AV VAR CST	\$/MWH	59.75	62.62	69.11	72.46	75.91	79.74	83.06
		GENERATION	GWH	256.7	307.4	285.9	114.7	282.9	383.7	241.0
		FUEL BURN	000 MBTU	3014.	3609.	3357.	1345.	3322.	4505.	2829.
CEREDO	3	CAPACITY FACTOR		0.3123	0.3359	0.3241	0.1171	0.3181	0.4246	0.2394
INDEX #	77	CAPACITY	MW	86.00	86.00	86.00	86.00	86.00	86.00	86.00
		AVG HR	MBTU/MWH	11.80	11.80	11.80	11.80	11.80	11.81	11.80
		VAR O&M CST	\$000	1219.	1341.	1315.	485.	1345.	1840.	1058.
		FIXED COST	\$000	-911.	-412.	-788.	220.	350.	391.	349.
		FUEL COST	\$000	12959.	14668.	15627.	5915.	16976.	23789.	14003.
		AV VAR CST	\$/MWH	60.25	63.09	69.39	72.53	76.45	79.91	83.51
		GENERATION	GWH	235.3	253.7	244.1	88.2	239.7	320.7	180.3
		FUEL BURN	000 MBTU	2777.	2995.	2882.	1041.	2829.	3786.	2128.
CEREDO	4	CAPACITY FACTOR		0.4220	0.5108	0.4399	0.2559	0.3191	0.5335	0.4411
INDEX #	78	CAPACITY	MW	86.00	86.00	86.00	86.00	86.00	86.00	86.00
		AVG HR	MBTU/MWH	11.72	11.72	11.72	11.71	11.72	11.72	11.72
		VAR O&M CST	\$000	1647.	2039.	1785.	1059.	1349.	2312.	1949.
		FIXED COST	\$000	-1330.	-1410.	-927.	9.	283.	279.	206.
		FUEL COST	\$000	17295.	22114.	21032.	12736.	16489.	29735.	23558.
		AV VAR CST	\$/MWH	59.58	62.59	68.85	71.57	74.20	79.52	82.17
		GENERATION	GWH	317.9	385.9	331.4	192.8	240.4	403.0	332.3
		DUMP ENERGY	GWH	0.0	0.0	0.0	0.0	0.3	0.0	0.0
		FUEL BURN	000 MBTU	3725.	4522.	3884.	2258.	2817.	4723.	3894.
CEREDO	5	CAPACITY FACTOR		0.3237	0.3870	0.3594	0.1555	0.3491	0.4595	0.2825
INDEX #	79	CAPACITY	MW	86.00	86.00	86.00	86.00	86.00	86.00	86.00
		AVG HR	MBTU/MWH	11.80	11.80	11.80	11.80	11.80	11.80	11.80
		VAR O&M CST	\$000	1263.	1545.	1458.	644.	1476.	1992.	1248.
		FIXED COST	\$000	-951.	-937.	-616.	145.	363.	369.	316.
		FUEL COST	\$000	13405.	16863.	17292.	7823.	18680.	25800.	16518.
		AV VAR CST	\$/MWH	60.15	62.96	69.26	72.27	76.63	80.06	83.48
		GENERATION	GWH	243.8	292.4	270.7	117.2	263.0	347.1	212.8
		FUEL BURN	000 MBTU	2878.	3451.	3196.	1382.	3105.	4098.	2512.
CEREDO	6	CAPACITY FACTOR		0.2994	0.2750	0.2774	0.0998	0.2759	0.3857	0.2043
INDEX #	80	CAPACITY	MW	86.00	86.00	86.00	86.00	86.00	86.00	86.00
		AVG HR	MBTU/MWH	11.93	11.94	11.94	11.93	11.94	11.94	11.93
		VAR O&M CST	\$000	1169.	1097.	1125.	413.	1167.	1672.	903.
		FIXED COST	\$000	-865.	-479.	-294.	257.	385.	416.	375.
		FUEL COST	\$000	12585.	12132.	13471.	5095.	14939.	21765.	12049.
		AV VAR CST	\$/MWH	60.97	63.69	69.85	73.23	77.49	80.44	84.15
		GENERATION	GWH	225.6	207.7	209.0	75.2	207.8	291.4	153.9
		DUMP ENERGY	GWH	0.0	0.0	0.0	0.0	0.0	2.0	0.0
		FUEL BURN	000 MBTU	2692.	2479.	2495.	897.	2481.	3478.	1837.
DARBY	1	CAPACITY FACTOR		0.1376	0.1811	0.1335	0.1416	0.1174	0.1520	0.1351
INDEX #	81	CAPACITY	MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR	MBTU/MWH	11.76	11.76	11.76	11.76	11.77	11.76	11.76
		VAR O&M CST	\$000	548.	737.	552.	597.	506.	672.	608.
		FIXED COST	\$000	10.	232.	117.	120.	206.	401.	414.
		FUEL COST	\$000	5381.	7596.	6062.	6952.	5863.	8302.	7518.
		AV VAR CST	\$/MWH	57.85	61.64	66.52	71.60	72.85	79.08	80.80
		GENERATION	GWH	102.5	135.2	99.4	105.4	87.4	113.5	100.6
		FUEL BURN	000 MBTU	1206.	1590.	1170.	1240.	1029.	1335.	1183.
DARBY	2	CAPACITY FACTOR		0.1284	0.1703	0.1258	0.1334	0.1068	0.1424	0.1261
INDEX #	82	CAPACITY	MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR	MBTU/MWH	11.76	11.76	11.76	11.76	11.76	11.76	11.76
		VAR O&M CST	\$000	511.	693.	520.	563.	460.	629.	568.
		FIXED COST	\$000	36.	247.	135.	139.	210.	419.	436.
		FUEL COST	\$000	5017.	7137.	5708.	6546.	5391.	7775.	7014.
		AV VAR CST	\$/MWH	57.82	61.60	66.49	71.58	73.60	79.05	80.76
		GENERATION	GWH	95.6	127.1	93.7	99.3	79.5	106.3	93.9
		FUEL BURN	000 MBTU	1125.	1495.	1102.	1168.	935.	1251.	1104.

02/07/13 15:32:41 V04.0 R03.0

NewEnergy Associates  
Strategist Page 67

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

				2011	2012	2013	2014	2015	2016	2017
DARBY	3	CAPACITY FACTOR		0.1203	0.1625	0.1185	0.1255	0.1002	0.1336	0.1179
INDEX #	83	CAPACITY	MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR	MBTU/MWH	11.76	11.76	11.77	11.76	11.76	11.76	11.76
		VAR O&M CST	\$000	479.	661.	490.	529.	432.	590.	531.
		FIXED COST	\$000	59.	260.	153.	157.	232.	435.	456.
		FUEL COST	\$000	4698.	6805.	5376.	6156.	5047.	7291.	6554.
		AV VAR CST	\$/MWH	57.80	61.55	66.46	71.56	73.43	79.02	80.73
		GENERATION	GWH	89.6	121.3	88.3	93.4	74.6	99.7	87.8
		FUEL BURN	000 MBTU	1054.	1427.	1038.	1099.	878.	1173.	1032.
DARBY	4	CAPACITY FACTOR		0.1119	0.1529	0.1112	0.1063	0.1109	0.1252	0.1098
INDEX #	84	CAPACITY	MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR	MBTU/MWH	11.77	11.76	11.77	11.77	11.76	11.76	11.77
		VAR O&M CST	\$000	445.	622.	460.	449.	478.	553.	495.



SB Output Summary.REP

		FIXED COST	\$000	82.	273.	169.	195.	223.	450.	475.
		FUEL COST	\$000	4370.	6401.	5042.	5182.	5573.	6830.	6105.
		AV VAR CST	\$/MWH	57.77	61.50	66.44	71.10	73.30	79.00	80.70
		GENERATION	GW	83.3	114.2	82.8	79.2	82.5	93.5	81.8
		FUEL BURN	000 MBTU	981.	1343.	974.	932.	971.	1100.	962.
DARBY	5	CAPACITY FACTOR		0.1045	0.1442	0.1045	0.0964	0.1032	0.1172	0.1025
INDEX #	85	CAPACITY	MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR	MBTU/MWH	11.77	11.77	11.77	11.76	11.77	11.76	11.77
		VAR O&M CST	\$000	416.	587.	432.	407.	445.	518.	462.
		FIXED COST	\$000	102.	284.	184.	205.	240.	465.	492.
		FUEL COST	\$000	4078.	6034.	4735.	4747.	5188.	6391.	5695.
		AV VAR CST	\$/MWH	57.76	61.48	66.41	71.83	73.28	78.97	80.67
		GENERATION	GW	77.8	107.7	77.8	71.7	76.9	87.5	76.3
		FUEL BURN	000 MBTU	915.	1267.	915.	844.	904.	1029.	898.
DARBY	6	CAPACITY FACTOR		0.0973	0.1379	0.0981	0.0900	0.0962	0.1096	0.0958
INDEX #	86	CAPACITY	MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR	MBTU/MWH	11.77	11.77	11.77	11.76	11.77	11.76	11.77
		VAR O&M CST	\$000	387.	561.	406.	380.	415.	484.	431.
		FIXED COST	\$000	122.	295.	199.	219.	255.	478.	507.
		FUEL COST	\$000	3796.	5765.	4442.	4422.	4832.	5978.	5320.
		AV VAR CST	\$/MWH	57.73	61.44	66.39	71.66	73.26	78.95	80.65
		GENERATION	GW	72.5	102.9	73.0	67.0	71.6	81.9	71.3
		FUEL BURN	000 MBTU	852.	1211.	859.	788.	843.	963.	839.
LWBG WIN	1	CAPACITY FACTOR		0.2210	0.2669	0.2216	0.2355	0.2402	0.2896	0.2877
INDEX #	87	CAPACITY	MW	593.00	593.00	593.00	593.00	593.00	593.00	593.00
		AVG HR	MBTU/MWH	7.09	7.10	7.09	7.10	7.10	7.09	7.09
		VAR O&M CST	\$000	4390.	5423.	4576.	4960.	5171.	6390.	6470.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	37104.	48129.	43264.	49705.	51878.	67681.	68555.
		AV VAR CST	\$/MWH	36.15	38.51	41.56	44.69	45.71	49.09	50.20
		GENERATION	GW	1147.8	1390.5	1151.2	1223.1	1247.9	1508.7	1494.6
		FUEL BURN	000 MBTU	8144.	9866.	8166.	8681.	8855.	10704.	10600.
LWBG WIN	2	CAPACITY FACTOR		0.2816	0.3223	0.2733	0.2906	0.3009	0.3590	0.3717
INDEX #	88	CAPACITY	MW	593.00	593.00	593.00	593.00	593.00	593.00	593.00
		AVG HR	MBTU/MWH	7.08	7.08	7.08	7.08	7.08	7.08	7.07
		VAR O&M CST	\$000	5401.	6321.	5448.	5910.	6253.	7646.	8070.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	47213.	58172.	53319.	61267.	64809.	83786.	88448.
		AV VAR CST	\$/MWH	35.97	38.41	41.39	44.49	45.46	48.89	49.98
		GENERATION	GW	1462.9	1678.9	1419.8	1509.8	1563.2	1870.0	1931.1
		FUEL BURN	000 MBTU	10352.	11889.	10049.	10690.	11065.	13239.	13661.
LWBG SMR	1	CAPACITY FACTOR		0.1067	0.1245	0.1081	0.1040	0.1150	0.1282	0.1304
INDEX #	89	CAPACITY	MW	593.00	593.00	593.00	593.00	593.00	593.00	593.00
		AVG HR	MBTU/MWH	7.09	7.09	7.08	7.09	7.09	7.09	7.09
		VAR O&M CST	\$000	2121.	2529.	2233.	2191.	2476.	2827.	2932.
		FIXED COST	\$000	-641.	-637.	-608.	-706.	-720.	-657.	-631.
		FUEL COST	\$000	17231.	21486.	20240.	21116.	23793.	28804.	29907.
		AV VAR CST	\$/MWH	34.90	37.04	40.01	43.13	43.97	47.38	48.49
		GENERATION	GW	554.5	648.4	561.7	540.4	597.5	667.5	677.3
		FUEL BURN	000 MBTU	3929.	4596.	3976.	3829.	4235.	4733.	4801.
LWBG SMR	2	CAPACITY FACTOR		0.1177	0.1371	0.1185	0.1149	0.1277	0.1427	0.1469
INDEX #	90	CAPACITY	MW	593.00	593.00	593.00	593.00	593.00	593.00	593.00
		AVG HR	MBTU/MWH	7.08	7.08	7.07	7.08	7.08	7.08	7.08
		VAR O&M CST	\$000	2258.	2688.	2362.	2336.	2654.	3038.	3189.
		FIXED COST	\$000	-823.	-867.	-782.	-865.	-928.	-859.	-1043.
		FUEL COST	\$000	18984.	23627.	22154.	23297.	26391.	32028.	33655.
		AV VAR CST	\$/MWH	34.73	36.86	39.83	42.95	43.78	47.19	48.28
		GENERATION	GW	611.6	713.9	615.5	596.8	663.4	743.1	763.1
		FUEL BURN	000 MBTU	4329.	5055.	4353.	4225.	4698.	5263.	5403.
WATR CC	1	CAPACITY FACTOR		0.1415	0.1917	0.1510	0.1649	0.1733	0.2000	0.1862
INDEX #	91	CAPACITY	MW	840.00	840.00	840.00	840.00	840.00	840.00	840.00
		AVG HR	MBTU/MWH	7.32	7.31	7.31	7.32	7.31	7.31	7.31
		VAR O&M CST	\$000	3803.	5267.	4218.	4697.	5045.	5966.	5662.
		FIXED COST	\$000	-547.	-1438.	-2284.	-2315.	3763.	1494.	-1824.
		FUEL COST	\$000	34847.	50483.	43133.	50829.	54953.	68619.	65189.
		AV VAR CST	\$/MWH	37.11	39.41	42.60	45.77	47.04	50.55	51.72
		GENERATION	GW	1041.6	1414.7	1111.4	1213.2	1275.4	1475.4	1370.0
		FUEL BURN	000 MBTU	7620.	10342.	8123.	8875.	9328.	10785.	10016.
WATR2	1	CAPACITY FACTOR		0.0912	0.1099	0.0892	0.0880	0.0986	0.1112	0.1109
INDEX #	92	CAPACITY	MW	840.00	840.00	840.00	840.00	840.00	840.00	840.00
		AVG HR	MBTU/MWH	7.29	7.28	7.28	7.29	7.29	7.29	7.29
		VAR O&M CST	\$000	2451.	3020.	2492.	2508.	2871.	3316.	3374.
		FIXED COST	\$000	211.	-1724.	-1776.	-1734.	4115.	1596.	-1519.
		FUEL COST	\$000	21426.	27616.	24335.	26027.	29921.	36616.	37286.
		AV VAR CST	\$/MWH	35.57	37.77	40.86	44.05	45.19	48.69	49.81
		GENERATION	GW	671.3	811.2	656.6	647.8	725.7	820.2	816.3
		FUEL BURN	000 MBTU	4891.	5907.	4779.	4719.	5288.	5977.	5949.
DRESDEN	1	CAPACITY FACTOR		0.0000	0.0000	0.2702	0.3181	0.4090	0.3990	0.4245
INDEX #	93	CAPACITY	MW	625.00	625.00	625.00	625.00	625.00	625.00	625.00
		AVG HR	MBTU/MWH	0.00	0.00	7.26	7.48	7.52	7.47	7.48
		VAR O&M CST	\$000	0.	0.	3998.	4802.	6310.	6310.	6842.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	58732.	79350.	104558.	109611.	118755.
		AV VAR CST	\$/MWH	0.00	0.00	42.41	48.32	49.51	52.91	54.04
		GENERATION	GW	0.0	0.0	1479.2	1741.4	2239.4	2190.6	2324.4
		DUMP ENERGY	GW	0.0	0.0	0.0	0.0	0.8	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	10746.	13028.	16844.	16365.	17394.
DRESD2	1	CAPACITY FACTOR		0.0000	0.0000	0.1178	0.0844	0.1377	0.1505	0.1468

		SB Output Summary.REP							
INDEX #	94	CAPACITY	MW	625.00	625.00	625.00	625.00	625.00	625.00
		AVG HR	MBTU/MWH	0.00	0.00	7.11	7.18	7.36	7.34
		VAR O&M CST	\$000	0.	0.	1743.	1274.	2124.	2380.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	24772.	19354.	32964.	38875.
		AV VAR CST	\$/MWH	0.00	0.00	41.11	44.64	46.55	49.92
		GENERATION	GWHR	0.0	0.0	645.0	462.1	753.8	826.4
		FUEL BURN 000	MBTU	0.	0.	4583.	3317.	5547.	6065.
CT_KPCO	953	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	953	CAPACITY	MW	352.00	352.00	352.00	352.00	352.00	352.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWHR	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.
CT_KPCO	954	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	954	CAPACITY	MW	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWHR	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.
CT_KPCO	955	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	955	CAPACITY	MW	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWHR	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.
CT_KPCO	956	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	956	CAPACITY	MW	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWHR	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.

‡ 02/07/13 15:32:41 V04.0 R03.0

NewEnergy Associates  
Strategist Page 68

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

		2011	2012	2013	2014	2015	2016	2017
CT_KPCO	957	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	957	CAPACITY	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWHR	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.
BS_BF50	958	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	958	CAPACITY	381.00	381.00	381.00	381.00	381.00	381.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWHR	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.
RP2D_KP	959	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	959	CAPACITY	195.00	195.00	195.00	195.00	195.00	195.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWHR	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.
RP2D_IM	960	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	960	CAPACITY	1090.00	1090.00	1090.00	1090.00	1090.00	1090.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWHR	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.
CSV6_SCR	961	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

SB Output Summary.REP

INDEX # 961	CAPACITY	MW	391.00	391.00	391.00	391.00	391.00	391.00	391.00
	AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
CSV5_SCR962	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 962	CAPACITY	MW	391.00	391.00	391.00	391.00	391.00	391.00	391.00
	AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
DUMMY_OP963	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 963	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP1D_KP 964	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.8284	0.7924
INDEX # 964	CAPACITY	MW	198.00	198.00	198.00	198.00	198.00	203.40	203.40
	AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	9.65	9.65
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	11496.	11470.
	FIXED COST	\$000	0.	0.	0.	0.	0.	11712.	13196.
	FUEL COST	\$000	0.	0.	0.	0.	0.	32383.	32116.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	29.65	30.87
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	1480.0	1411.8
	FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	14279.	13621.
RP1D_03 965	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.8042	0.6072
INDEX # 965	CAPACITY	MW	1090.00	1090.00	1090.00	1090.00	1090.00	1090.00	1090.00
	AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	9.68	9.67
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	69712.	53470.
	FIXED COST	\$000	0.	0.	0.	0.	0.	51019.	68050.
	FUEL COST	\$000	0.	0.	0.	0.	0.	181713.	138894.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	32.65	33.18
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	7700.3	5797.8
	DUMP ENERGY	GWH	0.0	0.0	0.0	0.0	0.0	3.9	2.3
	FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	74544.	56061.
CR2_NGCC966	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.2959	0.3257	0.3245
INDEX # 966	CAPACITY	MW	212.00	212.00	212.00	212.00	212.00	212.00	212.00
	AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	10.69	10.69	10.65
	VAR O&M CST	\$000	0.	0.	0.	0.	2787.	3144.	3189.
	FIXED COST	\$000	0.	0.	0.	0.	23080.	23080.	23080.
	FUEL COST	\$000	0.	0.	0.	0.	34517.	40824.	41432.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	67.89	72.50	74.04
	GENERATION	GWH	0.0	0.0	0.0	0.0	549.4	606.5	602.7
	FUEL BURN 000	MBTU	0.	0.	0.	0.	5872.	6482.	6420.
CR1_NGCC967	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.3507	0.3804	0.3828
INDEX # 967	CAPACITY	MW	212.00	212.00	212.00	212.00	212.00	212.00	212.00
	AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	10.49	10.50	10.48
	VAR O&M CST	\$000	0.	0.	0.	0.	3288.	3656.	3746.
	FIXED COST	\$000	0.	0.	0.	0.	23080.	23080.	23080.
	FUEL COST	\$000	0.	0.	0.	0.	40053.	46904.	48030.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	66.54	71.37	72.84
	GENERATION	GWH	0.0	0.0	0.0	0.0	651.3	708.4	710.9
	DUMP ENERGY	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.4
	FUEL BURN 000	MBTU	0.	0.	0.	0.	6835.	7440.	7448.
MR5_NGCC968	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.5205	0.5351	0.5262
INDEX # 968	CAPACITY	MW	510.00	510.00	510.00	510.00	510.00	510.00	510.00
	AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	11.23	11.18	11.21
	VAR O&M CST	\$000	0.	0.	0.	0.	10101.	10637.	10664.
	FIXED COST	\$000	0.	0.	0.	0.	55524.	55524.	55524.
	FUEL COST	\$000	0.	0.	0.	0.	145973.	155463.	157066.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	67.12	69.29	71.35
	GENERATION	GWH	0.0	0.0	0.0	0.0	2325.2	2397.0	2350.8
	DUMP ENERGY	GWH	0.0	0.0	0.0	0.0	16.2	10.7	2.9
	FUEL BURN 000	MBTU	0.	0.	0.	0.	26113.	26804.	26353.
RP2TR_KP969	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.3661	0.5860	0.6797
INDEX # 969	CAPACITY	MW	195.00	195.00	195.00	195.00	195.00	195.00	195.00
	AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	9.67	9.67	9.67
	VAR O&M CST	\$000	0.	0.	0.	0.	3934.	6618.	8045.
	FIXED COST	\$000	0.	0.	0.	0.	3602.	5123.	5335.
	FUEL COST	\$000	0.	0.	0.	0.	16736.	28315.	33870.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	33.05	34.80	36.10
	GENERATION	GWH	0.0	0.0	0.0	0.0	625.4	1003.8	1161.0
	FUEL BURN 000	MBTU	0.	0.	0.	0.	6046.	9703.	11223.
BS1_Gas 970	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.1655	0.3220	0.3547
INDEX # 970	CAPACITY	MW	260.00	260.00	260.00	260.00	260.00	260.00	260.00
	AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	10.17	10.18	10.22
	VAR O&M CST	\$000	0.	0.	0.	0.	204.	407.	457.
	FIXED COST	\$000	0.	0.	0.	0.	3293.	8894.	8695.
	FUEL COST	\$000	0.	0.	0.	0.	18707.	39695.	44684.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	50.16	54.53	55.87
	GENERATION	GWH	0.0	0.0	0.0	0.0	377.0	735.4	808.0
	FUEL BURN 000	MBTU	0.	0.	0.	0.	3834.	7484.	8261.

SB Output Summary.REP

RP2TR_IM971	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.3902	0.4550	0.5935
INDEX # 971	CAPACITY	MW	1105.00	1105.00	1105.00	1105.00	1105.00	1105.00	1105.00
	AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	9.75	9.75	9.76
	VAR O&M CST	\$000	0.	0.	0.	0.	19481.	23367.	31148.
	FIXED COST	\$000	0.	0.	0.	0.	11775.	23440.	22550.
	FUEL COST	\$000	0.	0.	0.	0.	101921.	125632.	169176.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	32.14	33.74	34.87
	GENERATION	GWH	0.0	0.0	0.0	0.0	3777.1	4416.3	5744.5
	FUEL BURN	000 MBTU	0.	0.	0.	0.	36821.	43051.	56057.
DUMMY_OP972	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 972	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DUMMY_OP973	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 973	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0

‡ 02/07/13 15:32:41 V04.0 R03.0

NewEnergy Associates  
Strategist Page 69

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

			2011	2012	2013	2014	2015	2016	2017
DUMMY_OP974	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 974	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DUMMY_OP975	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 975	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DUMMY_OP976	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 976	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DUMMY_OP977	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 977	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DUMMY_OP978	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 978	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DUMMY_OP979	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 979	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DUMMY_OP980	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 980	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DUMMY_OP981	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 981	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DUMMY_OP982	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 982	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DUMMY_OP983	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 983	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00



SB Output Summary.REP  
AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

		2011	2012	2013	2014	2015	2016	2017
DUMMY_OP997	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 997	CAPACITY MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST \$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST \$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
T4_TRONA998	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.3707	0.2902	0.3355	0.3090
INDEX # 998	CAPACITY MW	500.00	500.00	500.00	500.00	500.00	500.00	500.00
	AVG HR MBTU/MWH	0.00	0.00	0.00	9.74	9.72	9.75	9.73
	VAR O&M CST \$000	0.	0.	0.	8256.	6576.	7885.	7390.
	FIXED COST \$000	0.	0.	0.	6735.	9432.	5311.	102928.
	FUEL COST \$000	0.	0.	0.	49154.	38642.	46091.	40666.
	AV VAR CST \$/MWH	0.00	0.00	0.00	35.36	35.58	36.63	35.51
	GENERATION GWH	0.0	0.0	0.0	1623.8	1271.0	1473.6	1353.2
	FUEL BURN 000 MBTU	0.	0.	0.	15813.	12350.	14365.	13166.
DUMMY_OP999	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 999	CAPACITY MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST \$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST \$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0

‡ 02/07/13 15:32:41 V04.0 R03.0

NewEnergy Associates  
Strategist Page 71

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

		2018	2019	2020	2021	2022	2023	2024
AMOS	1 CAPACITY FACTOR	0.7883	0.7865	0.6977	0.7946	0.7552	0.7568	0.6662
INDEX #	1 CAPACITY MW	790.00	790.00	790.00	790.00	790.00	790.00	790.00
	AVG HR MBTU/MWH	9.66	9.66	9.65	9.65	9.70	9.70	9.70
	VAR O&M CST \$000	16256.	16609.	15118.	17568.	17107.	17533.	15824.
	FIXED COST \$000	29150.	28956.	37041.	36320.	36527.	37453.	41581.
	FUEL COST \$000	187912.	191210.	173673.	201428.	186895.	190798.	171911.
	AV VAR CST \$/MWH	37.43	38.18	38.99	39.83	39.03	39.78	40.61
	GENERATION GWH	5455.0	5442.9	4841.5	5498.7	5226.2	5237.6	4622.8
	FUEL BURN 000 MBTU	52691.	52585.	46736.	53063.	50702.	50797.	44822.
AMOS	2 CAPACITY FACTOR	0.7512	0.8156	0.8177	0.7873	0.7918	0.7307	0.7971
INDEX #	2 CAPACITY MW	790.00	790.00	790.00	790.00	790.00	790.00	790.00
	AVG HR MBTU/MWH	9.49	9.50	9.49	9.49	9.52	9.52	9.51
	VAR O&M CST \$000	15417.	17140.	17636.	17325.	17839.	16837.	18835.
	FIXED COST \$000	26876.	37974.	30833.	37325.	38390.	41626.	43405.
	FUEL COST \$000	176041.	194899.	200210.	196289.	192274.	180755.	201872.
	AV VAR CST \$/MWH	36.83	37.57	38.39	39.21	38.35	39.08	39.90
	GENERATION GWH	5198.6	5644.5	5674.3	5448.2	5479.3	5056.5	5531.2
	FUEL BURN 000 MBTU	49359.	53596.	53873.	51705.	52163.	48123.	52625.
AMOS_OP	3 CAPACITY FACTOR	0.8073	0.7461	0.8097	0.7654	0.7238	0.7274	0.7322
INDEX #	3 CAPACITY MW	858.00	858.00	858.00	858.00	858.00	858.00	858.00
	AVG HR MBTU/MWH	9.73	9.71	9.72	9.72	9.73	9.73	9.72
	VAR O&M CST \$000	18120.	17137.	19096.	18419.	17821.	18320.	18906.
	FIXED COST \$000	38265.	41683.	37987.	43776.	45881.	47328.	49874.
	FUEL COST \$000	210506.	197981.	220528.	212289.	195135.	199801.	205823.
	AV VAR CST \$/MWH	37.68	38.36	39.27	40.11	39.15	39.89	40.73
	GENERATION GWH	6067.7	5608.0	6102.1	5752.5	5440.1	5467.6	5518.1
	FUEL BURN 000 MBTU	59023.	54446.	59340.	55918.	52943.	53189.	53655.
BECKJORD	6 CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	6 CAPACITY MW	53.00	53.00	53.00	53.00	53.00	53.00	53.00
	AVG HR MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST \$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST \$000	0.	0.	0.	0.	0.	0.	0.
	FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FUEL BURN 000 MBTU	0.	0.	0.	0.	0.	0.	0.
BIG SAND	1 CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	5 CAPACITY MW	278.00	278.00	278.00	278.00	278.00	278.00	278.00
	AVG HR MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST \$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST \$000	0.	0.	0.	0.	0.	0.	0.
	FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FUEL BURN 000 MBTU	0.	0.	0.	0.	0.	0.	0.
BIG SAND	2 CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	6 CAPACITY MW	800.00	800.00	800.00	800.00	800.00	800.00	800.00
	AVG HR MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST \$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST \$000	0.	0.	0.	0.	0.	0.	0.
	FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FUEL BURN 000 MBTU	0.	0.	0.	0.	0.	0.	0.

SB Output Summary.REP

CARD 1+2	1	CAPACITY FACTOR		0.7707	0.8215	0.6926	0.7906	0.6824	0.7616	0.6866
INDEX #	7	CAPACITY	MW	595.00	595.00	595.00	595.00	595.00	595.00	595.00
		AVG HR	MBTU/MWH	9.28	9.28	9.28	9.28	9.28	9.28	9.28
		VAR O&M CST	\$000	13580.	14823.	12829.	14947.	13200.	15071.	13936.
		FIXED COST	\$000	21805.	20914.	30062.	117457.	62293.	74140.	91533.
		FUEL COST	\$000	101260.	109905.	94932.	110350.	94952.	108184.	99789.
		AV VAR CST	\$/MWH	28.59	29.13	29.77	30.41	30.41	31.05	31.69
		GENERATION	GWH	4017.2	4281.7	3619.8	4120.8	3556.6	3969.6	3588.6
		FUEL BURN	000 MBTU	37268.	39722.	33579.	36225.	33006.	36837.	33297.
CARD 1+2	2	CAPACITY FACTOR		0.8462	0.7612	0.9093	0.8519	0.7501	0.8908	0.8343
INDEX #	8	CAPACITY	MW	595.00	595.00	595.00	595.00	595.00	595.00	595.00
		AVG HR	MBTU/MWH	9.39	9.39	9.39	9.39	9.39	9.40	9.39
		VAR O&M CST	\$000	14954.	13776.	16893.	16153.	14553.	17679.	16984.
		FIXED COST	\$000	-5397.	-1891.	-7643.	56555.	18196.	22460.	34030.
		FUEL COST	\$000	117499.	107573.	131502.	125351.	110447.	133768.	128077.
		AV VAR CST	\$/MWH	30.03	30.59	31.23	31.87	31.97	32.62	33.27
		GENERATION	GWH	4410.5	3967.4	4752.3	4440.0	3909.6	4642.8	4360.6
		FUEL BURN	000 MBTU	41422.	37259.	44626.	41694.	36729.	43620.	40967.
CARD 3	3	CAPACITY FACTOR		0.8369	0.7251	0.8068	0.8117	0.7917	0.8011	0.6767
INDEX #	9	CAPACITY	MW	620.00	620.00	620.00	620.00	620.00	620.00	620.00
		AVG HR	MBTU/MWH	10.35	10.34	10.34	10.34	10.36	10.36	10.36
		VAR O&M CST	\$000	15796.	14013.	16004.	16430.	16405.	16978.	14708.
		FIXED COST	\$000	-5313.	287.	-2311.	60594.	18580.	25732.	39058.
		FUEL COST	\$000	133482.	117593.	133905.	137035.	133975.	138249.	119334.
		AV VAR CST	\$/MWH	32.84	33.42	34.12	34.81	34.97	35.68	36.37
		GENERATION	GWH	4545.2	3938.4	4393.9	4408.3	4300.1	4350.8	3685.3
		FUEL BURN	000 MBTU	47049.	40726.	45437.	45576.	44555.	45078.	38169.
CLINCH R	1	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	16	CAPACITY	MW	235.00	235.00	235.00	235.00	235.00	235.00	235.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.	0.
CLINCH R	2	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	17	CAPACITY	MW	235.00	235.00	235.00	235.00	235.00	235.00	235.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.	0.
CLINCH R	3	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	18	CAPACITY	MW	235.00	235.00	235.00	235.00	235.00	235.00	235.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.	0.
ROCKP_KP	1	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	19	CAPACITY	MW	203.40	203.40	203.40	203.40	203.40	203.40	203.40
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.	0.
ROCKP_KP	2	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	20	CAPACITY	MW	195.00	200.40	200.40	200.40	200.40	200.40	200.40
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.	0.
CSVL 1-4	3	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	21	CAPACITY	MW	165.00	165.00	165.00	165.00	165.00	165.00	165.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.	0.
CSVL 1-4	4	CAPACITY FACTOR		0.7545	0.7434	0.8094	0.8535	0.8122	0.7340	0.7889
INDEX #	22	CAPACITY	MW	337.00	337.00	337.00	337.00	337.00	337.00	337.00
		AVG HR	MBTU/MWH	9.87	9.87	9.79	9.78	9.82	9.82	9.81
		VAR O&M CST	\$000	8314.	8386.	9346.	10055.	9800.	9057.	9979.
		FIXED COST	\$000	35511.	30348.	29112.	31349.	33901.	38284.	38512.
		FUEL COST	\$000	88532.	89579.	82931.	88637.	84951.	78223.	86050.
		AV VAR CST	\$/MWH	43.48	44.64	38.51	39.17	39.52	40.28	41.12
		GENERATION	GWH	2227.5	2194.7	2396.0	2519.6	2397.6	2167.0	2335.2



02/07/13 15:32:41 V04.0 R03.0

FUEL BURN 000 MBTU

21989.

SB Output Summary.REP  
21657. 23449.

24646.

23555.

21277.

22907.

NewEnergy Associates  
Strategist Page

72

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

		2018	2019	2020	2021	2022	2023	2024
CSVL 5+6	5	CAPACITY FACTOR	0.7487	0.7407	0.0000	0.0000	0.0000	0.0000
INDEX #	23	CAPACITY	400.00	400.00	400.00	400.00	400.00	400.00
		AVG HR	10.51	10.62	0.00	0.00	0.00	0.00
		VAR O&M CST \$000	8980.	9120.	0.	0.	0.	0.
		FIXED COST \$000	43594.	349497.	0.	0.	0.	0.
		FUEL COST \$000	74107.	92796.	0.	0.	0.	0.
		AV VAR CST \$/MWH	31.67	39.27	0.00	0.00	0.00	0.00
		GENERATION GWH	2623.5	2595.3	0.0	0.0	0.0	0.0
		FUEL BURN 000 MBTU	27575.	27561.	0.	0.	0.	0.
CSVL 5+6	6	CAPACITY FACTOR	0.8715	0.7325	0.0000	0.0000	0.0000	0.0000
INDEX #	24	CAPACITY	400.00	400.00	400.00	400.00	400.00	400.00
		AVG HR	10.24	10.31	0.00	0.00	0.00	0.00
		VAR O&M CST \$000	10386.	8955.	0.	0.	0.	0.
		FIXED COST \$000	35114.	375849.	0.	0.	0.	0.
		FUEL COST \$000	83995.	89063.	0.	0.	0.	0.
		AV VAR CST \$/MWH	30.91	38.19	0.00	0.00	0.00	0.00
		GENERATION GWH	3053.7	2566.8	0.0	0.0	0.0	0.0
		FUEL BURN 000 MBTU	31257.	26454.	0.	0.	0.	0.
D C COOK	1	CAPACITY FACTOR	0.9261	0.8481	0.8514	0.9261	0.8482	0.8310
INDEX #	25	CAPACITY	1084.00	1084.00	1084.00	1084.00	1084.00	1084.00
		AVG HR	10.84	10.84	10.84	10.84	10.84	10.84
		VAR O&M CST \$000	50743.	47865.	49624.	55449.	52304.	52783.
		FIXED COST \$000	181841.	202032.	215597.	225172.	244482.	260279.
		FUEL COST \$000	68669.	64104.	65530.	74036.	69647.	69457.
		AV VAR CST \$/MWH	13.58	13.90	14.20	14.72	15.14	15.49
		GENERATION GWH	8794.3	8053.8	8106.6	8794.3	8053.9	7891.0
		FUEL BURN 000 MBTU	95365.	87335.	87908.	95366.	87337.	85570.
D C COOK	2	CAPACITY FACTOR	0.8587	0.8593	0.9371	0.8589	0.8593	0.9370
INDEX #	26	CAPACITY	1107.00	1107.00	1107.00	1107.00	1107.00	1107.00
		AVG HR	10.97	10.97	10.97	10.97	10.97	10.97
		VAR O&M CST \$000	48050.	49522.	55777.	52518.	54113.	60780.
		FIXED COST \$000	185885.	201680.	210702.	230030.	244548.	254031.
		FUEL COST \$000	67255.	67901.	74893.	70309.	71197.	79537.
		AV VAR CST \$/MWH	13.85	14.09	14.34	14.75	15.04	15.44
		GENERATION GWH	8327.5	8332.8	9111.8	8329.5	8332.5	9086.5
		DUMP ENERGY GWH	0.2	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000 MBTU	91353.	91410.	99957.	91374.	91408.	99679.
GAVIN	1	CAPACITY FACTOR	0.8109	0.8891	0.8374	0.8910	0.8248	0.8761
INDEX #	27	CAPACITY	1320.00	1320.00	1320.00	1320.00	1320.00	1320.00
		AVG HR	9.81	9.80	9.80	9.80	9.81	9.81
		VAR O&M CST \$000	17466.	19596.	18936.	20549.	19456.	21129.
		FIXED COST \$000	54843.	49730.	57120.	59254.	62912.	1976.
		FUEL COST \$000	266390.	286949.	276745.	300666.	279398.	302703.
		AV VAR CST \$/MWH	30.27	29.82	30.45	31.18	31.33	31.97
		GENERATION GWH	9376.6	10280.3	9709.7	10302.3	9537.8	10130.4
		FUEL BURN 000 MBTU	91949.	100793.	95198.	101005.	93541.	99354.
GAVIN	2	CAPACITY FACTOR	0.9054	0.8405	0.9155	0.8093	0.8992	0.8462
INDEX #	28	CAPACITY	1320.00	1320.00	1320.00	1320.00	1320.00	1320.00
		AVG HR	9.82	9.82	9.82	9.82	9.83	9.83
		VAR O&M CST \$000	19514.	18537.	20717.	18679.	21226.	20423.
		FIXED COST \$000	49195.	62526.	69019.	70808.	74473.	80671.
		FUEL COST \$000	297944.	271752.	303100.	273629.	305157.	292924.
		AV VAR CST \$/MWH	30.32	29.87	30.50	31.24	31.39	32.02
		GENERATION GWH	10469.1	9718.4	10615.3	9357.6	10397.9	9785.2
		FUEL BURN 000 MBTU	102851.	95466.	104271.	91913.	102170.	96148.
GLEN LYN	5	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	29	CAPACITY	95.00	95.00	95.00	95.00	95.00	95.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST \$000	0.	0.	0.	0.	0.	0.
		FIXED COST \$000	0.	0.	0.	0.	0.	0.
		FUEL COST \$000	0.	0.	0.	0.	0.	0.
		AV VAR CST \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION GWH	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000 MBTU	0.	0.	0.	0.	0.	0.
GLEN LYN	6	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	30	CAPACITY	240.00	240.00	240.00	240.00	240.00	240.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST \$000	0.	0.	0.	0.	0.	0.
		FIXED COST \$000	0.	0.	0.	0.	0.	0.
		FUEL COST \$000	0.	0.	0.	0.	0.	0.
		AV VAR CST \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION GWH	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000 MBTU	0.	0.	0.	0.	0.	0.
KAMMER	1	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	33	CAPACITY	210.00	210.00	210.00	210.00	210.00	210.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST \$000	0.	0.	0.	0.	0.	0.
		FIXED COST \$000	0.	0.	0.	0.	0.	0.
		FUEL COST \$000	0.	0.	0.	0.	0.	0.
		AV VAR CST \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00



SB Output Summary.REP

		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
KAMMER INDEX #	2 34	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		CAPACITY	MW	210.00	210.00	210.00	210.00	210.00	210.00	210.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
KAMMER INDEX #	3 35	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		CAPACITY	MW	210.00	210.00	210.00	210.00	210.00	210.00	210.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
KANAWHA INDEX #	1 36	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		CAPACITY	MW	200.00	200.00	200.00	200.00	200.00	200.00	200.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
KANAWHA INDEX #	2 37	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		CAPACITY	MW	200.00	200.00	200.00	200.00	200.00	200.00	200.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
MITCHELL INDEX #	1 43	CAPACITY FACTOR		0.8457	0.7561	0.8618	0.7565	0.8364	0.7609	0.8311
		CAPACITY	MW	614.00	614.00	614.00	614.00	614.00	614.00	614.00
		AVG HR	MBTU/MWH	10.06	10.05	10.05	10.04	10.07	10.08	10.08
		VAR O&M CST	\$000	7763.	7103.	8307.	7439.	8419.	7835.	8775.
		FIXED COST	\$000	44208.	69401.	56199.	63888.	68710.	70192.	73931.
		FUEL COST	\$000	144502.	132340.	154936.	139229.	153921.	145117.	162944.
		AV VAR CST	\$/MWH	33.47	34.29	35.12	36.05	36.08	37.37	38.31
		GENERATION	GWH	4549.0	4066.8	4648.2	4068.9	4498.8	4092.5	4482.4
		FUEL BURN 000	MBTU	45775.	40886.	46717.	40868.	45319.	41269.	45184.
MITCHELL INDEX #	2 44	CAPACITY FACTOR		0.7550	0.8598	0.8608	0.8636	0.7443	0.8398	0.8407
		CAPACITY	MW	634.00	634.00	634.00	634.00	634.00	634.00	634.00
		AVG HR	MBTU/MWH	9.60	9.60	9.60	9.60	9.61	9.62	9.61
		VAR O&M CST	\$000	7047.	8216.	8442.	8641.	7620.	8794.	9027.
		FIXED COST	\$000	56491.	47518.	51824.	54475.	55751.	57066.	58674.
		FUEL COST	\$000	127074.	148393.	152644.	156830.	134957.	157702.	162309.
		AV VAR CST	\$/MWH	31.99	32.80	33.60	34.50	34.49	35.70	36.60
		GENERATION	GWH	4193.0	4774.9	4793.9	4796.4	4133.6	4663.9	4681.8
		FUEL BURN 000	MBTU	40254.	45847.	46029.	46044.	39738.	44848.	45012.
MOUNT_ER INDEX #	1 45	CAPACITY FACTOR		0.8554	0.9096	0.8569	0.8932	0.8377	0.8707	0.8069
		CAPACITY	MW	1314.00	1314.00	1314.00	1314.00	1314.00	1314.00	1314.00
		AVG HR	MBTU/MWH	9.59	9.59	9.59	9.59	9.59	9.59	9.59
		VAR O&M CST	\$000	30515.	33270.	32212.	34302.	32943.	35055.	33345.
		FIXED COST	\$000	87219.	80551.	86466.	91550.	63192.	63475.	71956.
		FUEL COST	\$000	262094.	283717.	272746.	289418.	271515.	287982.	272872.
		AV VAR CST	\$/MWH	29.72	30.28	30.83	31.49	31.57	32.23	32.88
		GENERATION	GWH	9846.0	10470.0	9890.8	10281.3	9642.9	10021.9	9312.9
		FUEL BURN 000	MBTU	94383.	100364.	94809.	98548.	92454.	96094.	89272.

02/07/13 15:32:41 V04.0 R03.0

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

		2018	2019	2020	2021	2022	2023	2024
MUSK RVR INDEX #	1 46	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		CAPACITY	205.00	205.00	205.00	205.00	205.00	205.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.
MUSK RVR INDEX #	2 47	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		CAPACITY	205.00	205.00	205.00	205.00	205.00	205.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00



SB Output Summary.REP

		FUEL COST	\$000	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.
ROCKP_IM	2	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	59	CAPACITY	MW	1105.00	1105.00	1105.00	1105.00	1105.00	1105.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.
STUART	1	CAPACITY FACTOR		0.8288	0.8267	0.8860	0.8324	0.8244	0.8802
INDEX #	61	CAPACITY	MW	150.00	150.00	150.00	150.00	150.00	150.00
		AVG HR	MBTU/MWH	9.49	9.49	9.48	9.48	9.49	9.49
		VAR O&M CST	\$000	3213.	3283.	3612.	3463.	3510.	3834.
		FIXED COST	\$000	12931.	12822.	13036.	14555.	15265.	15714.
		FUEL COST	\$000	31268.	31707.	34619.	33155.	32958.	35960.
		AV VAR CST	\$/MWH	31.66	32.21	32.75	33.48	33.67	34.41
		GENERATION	GWH	1089.0	1086.3	1167.4	1093.8	1083.2	1156.6
		FUEL BURN	000 MBTU	10330.	10306.	11073.	10372.	10279.	10976.
STUART	2	CAPACITY FACTOR		0.8321	0.8853	0.8323	0.8333	0.8841	0.8294
INDEX #	62	CAPACITY	MW	150.00	150.00	150.00	150.00	150.00	150.00
		AVG HR	MBTU/MWH	9.61	9.61	9.61	9.61	9.62	9.61
		VAR O&M CST	\$000	3236.	3526.	3403.	3477.	3775.	3623.
		FIXED COST	\$000	12879.	12563.	13141.	14454.	14937.	15821.
		FUEL COST	\$000	31802.	34409.	32949.	33628.	35819.	34330.
		AV VAR CST	\$/MWH	32.04	32.61	33.15	33.89	34.08	34.83
		GENERATION	GWH	1093.4	1163.3	1096.6	1094.9	1161.8	1089.8
		FUEL BURN	000 MBTU	10507.	11184.	10538.	10521.	11171.	10478.
STUART	3	CAPACITY FACTOR		0.8126	0.8749	0.8247	0.8278	0.8656	0.8119
INDEX #	63	CAPACITY	MW	150.00	150.00	150.00	150.00	150.00	150.00
		AVG HR	MBTU/MWH	9.53	9.52	9.52	9.52	9.53	9.53
		VAR O&M CST	\$000	3153.	3477.	3365.	3447.	3689.	3540.
		FIXED COST	\$000	12982.	12705.	13304.	14644.	15138.	16027.
		FUEL COST	\$000	30789.	33686.	32345.	33094.	34750.	33306.
		AV VAR CST	\$/MWH	31.79	32.33	32.86	33.59	33.80	34.54
		GENERATION	GWH	1067.8	1149.7	1086.6	1087.7	1137.4	1066.8
		FUEL BURN	000 MBTU	10172.	10949.	10344.	10353.	10837.	10165.

02/07/13 15:32:42 V04.0 R03.0

NewEnergy Associates  
Strategist Page 74

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

		2018	2019	2020	2021	2022	2023	2024
STUART	4	CAPACITY FACTOR	0.8215	0.8778	0.8286	0.8299	0.8718	0.7345
INDEX #	64	CAPACITY	150.00	150.00	150.00	150.00	150.00	150.00
		AVG HR	9.66	9.66	9.66	9.65	9.67	9.66
		VAR O&M CST	\$000	3198.	3392.	3467.	3727.	3212.
		FIXED COST	\$000	12954.	12651.	13253.	14566.	16281.
		FUEL COST	\$000	31567.	34284.	32962.	33652.	35507.
		AV VAR CST	\$/MWH	32.21	32.76	33.30	34.04	34.25
		GENERATION	GWH	1079.4	1153.4	1091.8	1090.5	1145.5
		FUEL BURN	000 MBTU	10429.	11144.	10542.	10528.	11073.
AMOS AP	3	CAPACITY FACTOR	0.7660	0.6883	0.7669	0.7272	0.6646	0.6677
INDEX #	65	CAPACITY	429.00	429.00	429.00	429.00	429.00	429.00
		AVG HR	9.76	9.77	9.76	9.76	9.80	9.79
		VAR O&M CST	\$000	8606.	7918.	9055.	8760.	8197.
		FIXED COST	\$000	57186.	68801.	64944.	68607.	72604.
		FUEL COST	\$000	100253.	91870.	104877.	101246.	90181.
		AV VAR CST	\$/MWH	37.82	38.58	39.42	40.25	39.39
		GENERATION	GWH	2878.7	2586.6	2890.0	2733.0	2497.5
		FUEL BURN	000 MBTU	28109.	25264.	28220.	26668.	24467.
TANN 1-3	1	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	66	CAPACITY	145.00	145.00	145.00	145.00	145.00	145.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.
TANN 1-3	2	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	67	CAPACITY	145.00	145.00	145.00	145.00	145.00	145.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.
TANN 1-3	3	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	68	CAPACITY	205.00	205.00	205.00	205.00	205.00	205.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.

SB Output Summary.REP

		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.	0.
TANN 4	4	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	69	CAPACITY	MW	500.00	500.00	500.00	500.00	500.00	500.00	500.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.	0.
ZIMMER	1	CAPACITY FACTOR		0.8204	0.9105	0.9147	0.7716	0.8912	0.8913	0.8061
INDEX #	70	CAPACITY	MW	330.00	330.00	330.00	330.00	330.00	330.00	330.00
		AVG HR	MBTU/MWH	9.69	9.69	9.69	9.69	9.71	9.71	9.70
		VAR O&M CST	\$000	8251.	9374.	9662.	8315.	9829.	10052.	9320.
		FIXED COST	\$000	27623.	26440.	27045.	31986.	32708.	33695.	36098.
		FUEL COST	\$000	62905.	71091.	72875.	62375.	74936.	76697.	70889.
		AV VAR CST	\$/MWH	30.00	30.57	31.13	31.69	32.90	33.67	34.33
		GENERATION	GW	2371.5	2632.1	2651.4	2230.5	2576.3	2576.7	2336.7
		FUEL BURN	000 MBTU	22981.	25509.	25689.	21607.	25006.	25010.	22671.
CEREDO	1	CAPACITY FACTOR		0.4606	0.3655	0.4911	0.3153	0.4509	0.4696	0.3457
INDEX #	75	CAPACITY	MW	86.00	86.00	86.00	86.00	86.00	86.00	86.00
		AVG HR	MBTU/MWH	11.73	11.73	11.73	11.73	11.73	11.73	11.73
		VAR O&M CST	\$000	2080.	1692.	2336.	1532.	2244.	2393.	1808.
		FIXED COST	\$000	1048.	1035.	1039.	1098.	1063.	1107.	1213.
		FUEL COST	\$000	27232.	22317.	30078.	20005.	29773.	31787.	23762.
		AV VAR CST	\$/MWH	84.47	87.20	87.38	90.68	94.25	96.62	97.90
		GENERATION	GW	347.0	275.3	371.0	237.5	339.7	353.8	261.2
		FUEL BURN	000 MBTU	4071.	3230.	4352.	2786.	3985.	4150.	3065.
CEREDO	2	CAPACITY FACTOR		0.4379	0.3398	0.4171	0.2936	0.4406	0.4665	0.4552
INDEX #	76	CAPACITY	MW	86.00	86.00	86.00	86.00	86.00	86.00	86.00
		AVG HR	MBTU/MWH	11.74	11.74	11.74	11.74	11.74	11.74	11.74
		VAR O&M CST	\$000	1977.	1573.	1985.	1427.	2193.	2377.	2381.
		FIXED COST	\$000	333.	322.	328.	379.	361.	395.	469.
		FUEL COST	\$000	25953.	20762.	25572.	18624.	29140.	31625.	31933.
		AV VAR CST	\$/MWH	84.67	87.25	87.45	90.66	94.39	96.76	99.80
		GENERATION	GW	329.9	256.0	315.1	221.2	331.9	351.4	343.8
		FUEL BURN	000 MBTU	3873.	3005.	3700.	2596.	3898.	4127.	4038.
CEREDO	3	CAPACITY FACTOR		0.3058	0.2523	0.3574	0.2898	0.3834	0.3344	0.3460
INDEX #	77	CAPACITY	MW	86.00	86.00	86.00	86.00	86.00	86.00	86.00
		AVG HR	MBTU/MWH	11.80	11.80	11.80	11.80	11.80	11.80	11.80
		VAR O&M CST	\$000	1381.	1168.	1700.	1408.	1908.	1704.	1809.
		FIXED COST	\$000	398.	393.	404.	467.	445.	470.	539.
		FUEL COST	\$000	18342.	15565.	22093.	18527.	25612.	22902.	24598.
		AV VAR CST	\$/MWH	85.61	88.03	88.12	91.31	95.28	97.67	101.04
		GENERATION	GW	230.4	190.1	270.0	218.3	288.8	251.9	261.4
		FUEL BURN	000 MBTU	2719.	2243.	3187.	2577.	3409.	2973.	3085.
CEREDO	4	CAPACITY FACTOR		0.4500	0.3567	0.4930	0.4109	0.4912	0.5698	0.5758
INDEX #	78	CAPACITY	MW	86.00	86.00	86.00	86.00	86.00	86.00	86.00
		AVG HR	MBTU/MWH	11.72	11.72	11.72	11.72	11.72	11.72	11.72
		VAR O&M CST	\$000	2032.	1651.	2345.	1997.	2445.	2903.	3012.
		FIXED COST	\$000	277.	256.	257.	365.	277.	335.	369.
		FUEL COST	\$000	26614.	21690.	30061.	25898.	32342.	38415.	40144.
		AV VAR CST	\$/MWH	84.50	86.86	87.02	90.11	94.00	96.26	99.21
		GENERATION	GW	339.0	268.7	372.4	309.6	370.1	429.3	435.0
		FUEL BURN	000 MBTU	3973.	3148.	4364.	3628.	4337.	5031.	5098.
CEREDO	5	CAPACITY FACTOR		0.3749	0.2898	0.4042	0.4160	0.2780	0.4150	0.4384
INDEX #	79	CAPACITY	MW	86.00	86.00	86.00	86.00	86.00	86.00	86.00
		AVG HR	MBTU/MWH	11.80	11.80	11.80	11.80	11.80	11.80	11.80
		VAR O&M CST	\$000	1693.	1342.	1923.	2022.	1384.	2115.	2293.
		FIXED COST	\$000	376.	367.	376.	373.	453.	439.	486.
		FUEL COST	\$000	22353.	17833.	24926.	26470.	18516.	28233.	30917.
		AV VAR CST	\$/MWH	85.14	87.82	87.94	90.92	95.00	97.06	100.27
		GENERATION	GW	282.4	218.3	305.3	313.4	209.5	312.7	331.2
		FUEL BURN	000 MBTU	3334.	2577.	3604.	3699.	2472.	3691.	3910.
CEREDO	6	CAPACITY FACTOR		0.2420	0.1846	0.2100	0.3290	0.3079	0.3008	0.3373
INDEX #	80	CAPACITY	MW	86.00	86.00	86.00	86.00	86.00	86.00	86.00
		AVG HR	MBTU/MWH	11.94	11.93	11.93	11.94	11.94	11.94	11.94
		VAR O&M CST	\$000	1093.	855.	999.	1599.	1532.	1532.	1764.
		FIXED COST	\$000	429.	427.	473.	434.	487.	503.	573.
		FUEL COST	\$000	14602.	11482.	13193.	21305.	20861.	20869.	24276.
		AV VAR CST	\$/MWH	86.08	88.70	89.47	92.41	96.55	98.87	102.20
		GENERATION	GW	182.3	139.1	158.6	247.8	231.9	226.6	254.8
		FUEL BURN	000 MBTU	2176.	1660.	1893.	2958.	2768.	2705.	3042.
DARBY	1	CAPACITY FACTOR		0.1309	0.1260	0.1238	0.1249	0.1333	0.1349	0.1363
INDEX #	81	CAPACITY	MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR	MBTU/MWH	11.76	11.76	11.76	11.76	11.76	11.76	11.76
		VAR O&M CST	\$000	603.	595.	601.	619.	676.	701.	727.
		FIXED COST	\$000	247.	261.	209.	317.	244.	239.	286.
		FUEL COST	\$000	7510.	7379.	7324.	7639.	8527.	8862.	9268.
		AV VAR CST	\$/MWH	83.22	84.96	85.72	88.77	92.75	95.22	98.23
		GENERATION	GW	97.5	93.9	92.4	93.0	99.2	100.4	101.7
		FUEL BURN	000 MBTU	1147.	1104.	1088.	1094.	1167.	1181.	1197.
DARBY	2	CAPACITY FACTOR		0.1224	0.1179	0.1155	0.1164	0.1250	0.1263	0.1278
INDEX #	82	CAPACITY	MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR	MBTU/MWH	11.77	11.77	11.77	11.76	11.76	11.76	11.76

SB Output Summary.REP

			564.	556.	560.	577.	634.	656.	681.
		VAR O&M CST \$000	564.	556.	560.	577.	634.	656.	681.
		FIXED COST \$000	270.	285.	231.	344.	275.	271.	316.
		FUEL COST \$000	7020.	6898.	6832.	7112.	7994.	8292.	8690.
		AV VAR CST \$/MWH	83.19	84.93	85.74	88.74	92.72	95.18	98.21
		GENERATION GWH	91.2	87.8	86.2	86.6	93.1	94.0	95.4
		FUEL BURN 000 MBTU	1072.	1033.	1014.	1019.	1095.	1106.	1123.
DARBY	3	CAPACITY FACTOR	0.1142	0.1101	0.1081	0.1086	0.1190	0.1181	0.1197
INDEX #	83	CAPACITY MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR MBTU/MWH	11.77	11.77	11.77	11.77	11.76	11.76	11.76
		VAR O&M CST \$000	526.	520.	524.	538.	604.	613.	639.
		FIXED COST \$000	292.	307.	252.	368.	297.	301.	345.
		FUEL COST \$000	6544.	6442.	6394.	6636.	7605.	7753.	8140.
		AV VAR CST \$/MWH	83.16	84.90	85.72	88.71	92.65	95.15	98.18
		GENERATION GWH	85.0	82.0	80.7	80.9	88.6	87.9	89.4
		FUEL BURN 000 MBTU	1000.	965.	949.	952.	1042.	1034.	1052.

NewEnergy Associates  
Strategist Page 75

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

			2018	2019	2020	2021	2022	2023	2024
DARBY	4	CAPACITY FACTOR	0.1067	0.1030	0.1027	0.1012	0.1123	0.1104	0.1011
INDEX #	84	CAPACITY MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR MBTU/MWH	11.77	11.77	11.77	11.77	11.76	11.76	11.77
		VAR O&M CST \$000	491.	486.	498.	501.	570.	574.	539.
		FIXED COST \$000	312.	327.	271.	391.	321.	329.	402.
		FUEL COST \$000	6113.	6020.	6074.	6181.	7174.	7247.	6836.
		AV VAR CST \$/MWH	83.12	84.87	85.68	88.68	92.62	95.12	97.71
		GENERATION GWH	79.5	76.7	76.7	75.3	83.6	82.2	75.5
		FUEL BURN 000 MBTU	935.	902.	903.	887.	984.	967.	888.
DARBY	5	CAPACITY FACTOR	0.0994	0.0961	0.0819	0.0941	0.1050	0.1030	0.0955
INDEX #	85	CAPACITY MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR MBTU/MWH	11.77	11.77	11.77	11.77	11.76	11.76	11.76
		VAR O&M CST \$000	457.	454.	397.	466.	533.	535.	509.
		FIXED COST \$000	331.	346.	319.	412.	348.	356.	413.
		FUEL COST \$000	5691.	5618.	4846.	5747.	6708.	6759.	6507.
		AV VAR CST \$/MWH	83.09	84.84	85.70	88.65	92.58	95.09	98.37
		GENERATION GWH	74.0	71.6	61.2	70.1	78.2	76.7	71.3
		FUEL BURN 000 MBTU	871.	842.	720.	825.	920.	902.	839.
DARBY	6	CAPACITY FACTOR	0.0926	0.0895	0.0769	0.0764	0.0858	0.0830	0.0858
INDEX #	86	CAPACITY MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR MBTU/MWH	11.77	11.77	11.77	11.76	11.76	11.76	11.76
		VAR O&M CST \$000	426.	423.	373.	379.	435.	431.	457.
		FIXED COST \$000	348.	364.	335.	456.	406.	411.	445.
		FUEL COST \$000	5302.	5232.	4544.	4669.	5482.	5450.	5835.
		AV VAR CST \$/MWH	83.06	84.81	85.67	88.70	92.65	95.16	98.23
		GENERATION GWH	69.0	66.7	57.4	56.9	63.9	61.8	64.1
		FUEL BURN 000 MBTU	811.	784.	675.	670.	751.	727.	754.
LWBG WIN	1	CAPACITY FACTOR	0.2799	0.2742	0.2729	0.2663	0.2503	0.2464	0.2522
INDEX #	87	CAPACITY MW	593.00	593.00	593.00	593.00	593.00	593.00	593.00
		AVG HR MBTU/MWH	7.10	7.10	7.10	7.10	7.10	7.10	7.10
		VAR O&M CST \$000	6432.	6461.	6609.	6587.	6340.	6391.	6714.
		FIXED COST \$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST \$000	68708.	68615.	69171.	69680.	68311.	69042.	73071.
		AV VAR CST \$/MWH	51.68	52.71	53.30	55.14	57.42	58.93	60.74
		GENERATION GWH	1453.8	1424.4	1421.8	1383.2	1300.0	1280.1	1313.6
		FUEL BURN 000 MBTU	10316.	10107.	10091.	9818.	9231.	9089.	9327.
LWBG WIN	2	CAPACITY FACTOR	0.3649	0.3562	0.3605	0.3566	0.3214	0.3183	0.3266
INDEX #	88	CAPACITY MW	593.00	593.00	593.00	593.00	593.00	593.00	593.00
		AVG HR MBTU/MWH	7.08	7.08	7.08	7.08	7.08	7.08	7.08
		VAR O&M CST \$000	8096.	8103.	8428.	8516.	7859.	7970.	8393.
		FIXED COST \$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST \$000	89447.	89017.	91207.	93106.	87605.	89051.	94490.
		AV VAR CST \$/MWH	51.46	52.48	53.05	54.86	57.18	58.67	60.48
		GENERATION GWH	1895.7	1850.6	1878.0	1852.4	1669.5	1653.7	1701.1
		FUEL BURN 000 MBTU	13416.	13097.	13292.	13110.	11823.	11710.	12047.
LWBG SMR	1	CAPACITY FACTOR	0.1242	0.1235	0.1241	0.1246	0.1217	0.1199	0.1197
INDEX #	89	CAPACITY MW	593.00	593.00	593.00	593.00	593.00	593.00	593.00
		AVG HR MBTU/MWH	7.09	7.09	7.09	7.09	7.09	7.09	7.09
		VAR O&M CST \$000	2854.	2911.	3006.	3084.	3084.	3110.	3188.
		FIXED COST \$000	-659.	-814.	-934.	-1057.	-1144.	-1215.	-1240.
		FUEL COST \$000	29349.	29832.	30315.	31450.	32131.	32493.	33644.
		AV VAR CST \$/MWH	49.92	51.02	51.54	53.33	55.68	57.15	59.06
		GENERATION GWH	645.1	641.8	646.5	647.5	632.4	622.9	623.7
		FUEL BURN 000 MBTU	4572.	4548.	4582.	4589.	4483.	4416.	4420.
LWBG SMR	2	CAPACITY FACTOR	0.1411	0.1403	0.1404	0.1414	0.1361	0.1338	0.1345
INDEX #	90	CAPACITY MW	593.00	593.00	593.00	593.00	593.00	593.00	593.00
		AVG HR MBTU/MWH	7.08	7.08	7.08	7.08	7.08	7.08	7.08
		VAR O&M CST \$000	3130.	3190.	3283.	3378.	3329.	3350.	3456.
		FIXED COST \$000	-867.	-1027.	-1154.	-1274.	-1371.	-1452.	-1510.
		FUEL COST \$000	33306.	33821.	34257.	35642.	35884.	36215.	37742.
		AV VAR CST \$/MWH	49.71	50.80	51.32	53.11	55.45	56.92	58.81
		GENERATION GWH	733.0	728.6	731.5	734.8	707.1	695.1	700.5
		FUEL BURN 000 MBTU	5188.	5157.	5179.	5201.	5007.	4922.	4959.
WATR CC	1	CAPACITY FACTOR	0.1822	0.1787	0.1676	0.1615	0.1607	0.1571	0.1622
INDEX #	91	CAPACITY MW	840.00	840.00	840.00	840.00	840.00	840.00	840.00
		AVG HR MBTU/MWH	7.32	7.32	7.32	7.32	7.32	7.32	7.32

SB Output Summary.REP

		VAR O&M CST	\$000	5663.	5694.	5489.	5403.	5503.	5510.	5840.
		FIXED COST	\$000	-1270.	-1663.	-1939.	-969.	-1672.	-1401.	-1195.
		FUEL COST	\$000	65709.	65700.	62443.	62170.	64402.	64654.	69010.
		AV VAR CST	\$/MWH	53.23	54.30	54.93	56.86	59.14	60.69	62.53
		GENERATION	GWH	1340.8	1314.9	1236.7	1188.5	1182.1	1156.0	1197.0
		FUEL BURN	000 MBTU	9811.	9623.	9051.	8700.	8650.	8460.	8759.
WATR2	1	CAPACITY FACTOR		0.1041	0.1030	0.1046	0.1047	0.1041	0.1028	0.1015
INDEX #	92	CAPACITY	MW	840.00	840.00	840.00	840.00	840.00	840.00	840.00
		AVG HR	MBTU/MWH	7.29	7.29	7.29	7.29	7.29	7.29	7.29
		VAR O&M CST	\$000	3235.	3283.	3425.	3504.	3564.	3606.	3653.
		FIXED COST	\$000	-426.	-970.	-1536.	-698.	-1170.	-1094.	-1074.
		FUEL COST	\$000	36071.	36474.	37436.	38718.	40205.	40813.	41749.
		AV VAR CST	\$/MWH	51.31	52.44	52.94	54.78	57.17	58.71	60.63
		GENERATION	GWH	766.0	758.1	771.8	770.7	765.7	756.6	748.8
		FUEL BURN	000 MBTU	5582.	5524.	5625.	5617.	5579.	5514.	5457.
DRESDEN	1	CAPACITY FACTOR		0.4223	0.4200	0.4239	0.4184	0.4037	0.4151	0.4201
INDEX #	93	CAPACITY	MW	625.00	625.00	625.00	625.00	625.00	625.00	625.00
		AVG HR	MBTU/MWH	7.49	7.49	7.49	7.49	7.52	7.54	7.52
		VAR O&M CST	\$000	6956.	7093.	7357.	7418.	7329.	7715.	8016.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	121646.	123456.	125869.	128174.	129431.	136682.	142844.
		AV VAR CST	\$/MWH	55.62	56.77	57.25	59.19	61.88	63.54	65.40
		GENERATION	GWH	2312.1	2299.7	2327.2	2290.8	2210.2	2272.5	2306.6
		DUMP ENERGY	GWH	0.2	0.0	0.0	0.0	0.0	0.4	0.0
		FUEL BURN	000 MBTU	17315.	17236.	17431.	17159.	16616.	17125.	17355.
DRESD2	1	CAPACITY FACTOR		0.1429	0.1435	0.1432	0.1441	0.1422	0.1410	0.1408
INDEX #	94	CAPACITY	MW	625.00	625.00	625.00	625.00	625.00	625.00	625.00
		AVG HR	MBTU/MWH	7.34	7.33	7.34	7.33	7.35	7.36	7.36
		VAR O&M CST	\$000	2354.	2423.	2485.	2555.	2581.	2621.	2686.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	38802.	39743.	40101.	41656.	43041.	43859.	45336.
		AV VAR CST	\$/MWH	52.59	53.67	54.18	56.04	58.61	60.20	62.13
		GENERATION	GWH	782.6	785.7	786.1	789.0	778.4	772.1	773.0
		FUEL BURN	000 MBTU	5741.	5761.	5767.	5787.	5724.	5685.	5690.
CC_KPC0	953	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	953	CAPACITY	MW	352.00	352.00	352.00	352.00	352.00	352.00	352.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.	0.
CT_KPC0	954	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	954	CAPACITY	MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.	0.
CT_KPC0	955	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	955	CAPACITY	MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.	0.
CT_KPC0	956	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	956	CAPACITY	MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.	0.
CT_KPC0	957	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	957	CAPACITY	MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.	0.

02/07/13 15:32:42 V04.0 R03.0

NewEnergy Associates  
Strategist Page 76

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

			2018	2019	2020	2021	2022	2023	2024
BS_BF50	958	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.5214	0.5591	0.5381	0.5438
INDEX #	958	CAPACITY	381.00	381.00	381.00	381.00	381.00	381.00	381.00

SB Output Summary.REP

	AVG HR	MBTU/MWH	0.00	0.00	0.00	6.84	6.81	6.82	6.81
	VAR O&M CST	\$000	0.	0.	0.	5893.	6471.	6377.	6615.
	FIXED COST	\$000	0.	0.	0.	31803.	31803.	31803.	31803.
	FUEL COST	\$000	0.	0.	0.	76589.	85294.	84457.	88241.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	47.40	49.18	50.57	52.12
	GENERATION	GWH	0.0	0.0	0.0	1740.1	1866.0	1796.1	1820.0
	FUEL BURN 000	MBTU	0.	0.	0.	11911.	12708.	12255.	12402.
RP2D_KP 959	CAPACITY FACTOR		0.0000	0.0000	0.5089	0.7281	0.5648	0.4911	0.5837
INDEX # 959	CAPACITY	MW	195.00	200.40	200.40	200.40	200.40	200.40	200.40
	AVG HR	MBTU/MWH	0.00	0.00	9.69	9.69	9.69	9.69	9.69
	VAR O&M CST	\$000	0.	0.	7016.	10285.	8187.	7314.	8945.
	FIXED COST	\$000	0.	0.	6823.	7173.	7571.	7915.	8288.
	FUEL COST	\$000	0.	0.	28619.	41949.	32934.	29389.	36015.
	AV VAR CST	\$/MWH	0.00	0.00	39.78	40.87	41.47	42.57	43.76
	GENERATION	GWH	0.0	0.0	895.8	1278.1	991.6	862.2	1027.5
	FUEL BURN 000	MBTU	0.	0.	8680.	12384.	9608.	8354.	9956.
RP2D_IM 960	CAPACITY FACTOR		0.0000	0.0000	0.8366	0.7964	0.7999	0.7370	0.5999
INDEX # 960	CAPACITY	MW	1090.00	1090.00	1090.00	1090.00	1090.00	1090.00	1090.00
	AVG HR	MBTU/MWH	0.00	0.00	9.71	9.71	9.72	9.73	9.72
	VAR O&M CST	\$000	0.	0.	11333.	10909.	11117.	10388.	8590.
	FIXED COST	\$000	0.	0.	31316.	40228.	42074.	45183.	50809.
	FUEL COST	\$000	0.	0.	202787.	196129.	198051.	186099.	155094.
	AV VAR CST	\$/MWH	0.00	0.00	26.73	27.23	27.39	27.92	28.50
	GENERATION	GWH	0.0	0.0	8010.2	7604.5	7637.6	7037.2	5743.7
	FUEL BURN 000	MBTU	0.	0.	77774.	73809.	74249.	68492.	55844.
CSV6_SCR961	CAPACITY FACTOR		0.0000	0.0000	0.6500	0.7440	0.7408	0.6411	0.7104
INDEX # 961	CAPACITY	MW	391.00	391.00	391.00	391.00	391.00	391.00	391.00
	AVG HR	MBTU/MWH	0.00	0.00	10.30	10.29	10.37	10.37	10.37
	VAR O&M CST	\$000	0.	0.	7974.	9314.	9505.	8415.	9562.
	FIXED COST	\$000	0.	0.	14103.	23767.	27976.	36412.	42755.
	FUEL COST	\$000	0.	0.	79061.	91992.	92573.	81704.	92738.
	AV VAR CST	\$/MWH	0.00	0.00	38.99	39.75	40.23	41.04	41.93
	GENERATION	GWH	0.0	0.0	2232.5	2548.3	2537.4	2196.0	2439.8
	FUEL BURN 000	MBTU	0.	0.	23001.	26233.	26324.	22779.	25292.
CSV5_SCR962	CAPACITY FACTOR		0.0000	0.0000	0.7094	0.7425	0.6266	0.6654	0.6809
INDEX # 962	CAPACITY	MW	391.00	391.00	391.00	391.00	391.00	391.00	391.00
	AVG HR	MBTU/MWH	0.00	0.00	10.61	10.61	10.69	10.70	10.69
	VAR O&M CST	\$000	0.	0.	8764.	9362.	8099.	8799.	9233.
	FIXED COST	\$000	0.	0.	12830.	19943.	26396.	32195.	36686.
	FUEL COST	\$000	0.	0.	88868.	94630.	80717.	87496.	91687.
	AV VAR CST	\$/MWH	0.00	0.00	40.07	40.89	41.38	42.25	43.16
	GENERATION	GWH	0.0	0.0	2436.3	2543.2	2146.3	2279.1	2338.4
	FUEL BURN 000	MBTU	0.	0.	25856.	26984.	22949.	24393.	25005.
DUMMY_OP963	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 963	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP1D_KP 964	CAPACITY FACTOR		0.8610	0.8640	0.8177	0.8536	0.7204	0.7628	0.6630
INDEX # 964	CAPACITY	MW	203.40	203.40	203.40	203.40	203.40	203.40	203.40
	AVG HR	MBTU/MWH	9.65	9.65	9.65	9.65	9.65	9.65	9.65
	VAR O&M CST	\$000	13090.	13596.	13026.	13946.	11804.	12854.	11428.
	FIXED COST	\$000	14362.	14890.	15202.	15586.	15976.	16302.	16675.
	FUEL COST	\$000	35930.	36945.	35908.	38407.	32546.	35372.	31746.
	AV VAR CST	\$/MWH	31.95	32.83	33.49	34.42	34.55	35.48	36.45
	GENERATION	GWH	1534.1	1539.5	1461.0	1521.0	1283.7	1359.1	1184.6
	FUEL BURN 000	MBTU	14801.	14853.	14096.	14674.	12385.	13112.	11429.
RP1D_03 965	CAPACITY FACTOR		0.7656	0.7777	0.6199	0.6692	0.5666	0.4430	0.6184
INDEX # 965	CAPACITY	MW	1090.00	1090.00	1090.00	1090.00	1090.00	1090.00	1090.00
	AVG HR	MBTU/MWH	9.68	9.69	9.75	9.74	9.78	9.79	9.77
	VAR O&M CST	\$000	68516.	70797.	57556.	63111.	54364.	43273.	61629.
	FIXED COST	\$000	68104.	65087.	68290.	68117.	74913.	88293.	85988.
	FUEL COST	\$000	178097.	184035.	150842.	165400.	141151.	112536.	160643.
	AV VAR CST	\$/MWH	33.74	34.32	35.11	35.76	36.14	36.83	37.54
	GENERATION	GWH	7310.0	7426.0	5935.5	6389.9	5409.9	4230.2	5921.1
	DUMP ENERGY	GWH	3.4	3.6	1.6	1.2	4.7	4.7	4.4
	FUEL BURN 000	MBTU	70742.	71960.	57845.	62236.	52910.	41409.	57840.
CR2_NGCC966	CAPACITY FACTOR		0.3293	0.3048	0.3303	0.3221	0.3103	0.3410	0.3429
INDEX # 966	CAPACITY	MW	212.00	212.00	212.00	212.00	212.00	212.00	212.00
	AVG HR	MBTU/MWH	10.71	10.62	10.77	10.71	10.73	10.88	10.88
	VAR O&M CST	\$000	3318.	3139.	3504.	3482.	3434.	3873.	3995.
	FIXED COST	\$000	23080.	23080.	23080.	23080.	23080.	23080.	23080.
	FUEL COST	\$000	43480.	40856.	45325.	45480.	45812.	52310.	54392.
	AV VAR CST	\$/MWH	76.53	77.73	79.38	81.86	85.45	88.72	91.44
	GENERATION	GWH	611.5	566.0	615.1	598.1	576.3	633.3	638.5
	FUEL BURN 000	MBTU	6547.	6012.	6622.	6408.	6186.	6887.	6945.
CR1_NGCC967	CAPACITY FACTOR		0.3764	0.3760	0.3803	0.3720	0.3587	0.3723	0.3804
INDEX # 967	CAPACITY	MW	212.00	212.00	212.00	212.00	212.00	212.00	212.00
	AVG HR	MBTU/MWH	10.51	10.51	10.52	10.49	10.51	10.59	10.59
	VAR O&M CST	\$000	3775.	3862.	4011.	4001.	3949.	4201.	4403.
	FIXED COST	\$000	23080.	23080.	23080.	23080.	23080.	23080.	23080.
	FUEL COST	\$000	48784.	49798.	50931.	51361.	51791.	55587.	58747.
	AV VAR CST	\$/MWH	75.18	76.85	77.58	80.14	83.68	86.47	89.14
	GENERATION	GWH	699.1	698.3	708.2	690.8	666.1	691.5	708.5
	DUMP ENERGY	GWH	0.2	0.0	0.0	0.0	0.0	0.0	0.0
	FUEL BURN 000	MBTU	7345.	7340.	7452.	7250.	7001.	7325.	7506.
MR5_NGCC968	CAPACITY FACTOR		0.5197	0.5177	0.5188	0.5172	0.5196	0.5177	0.5189



		SB Output Summary.REP							
INDEX # 968	CAPACITY	MW	510.00	510.00	510.00	510.00	510.00	510.00	510.00
	AVG HR	MBTU/MWH	11.23	11.24	11.24	11.24	11.23	11.24	11.24
	VAR O&M CST	\$000	10777.	11002.	11324.	11527.	11853.	12085.	12428.
	FIXED COST	\$000	55524.	55524.	55524.	55524.	55524.	55524.	55524.
	FUEL COST	\$000	169796.	175488.	180472.	185733.	190132.	194729.	202178.
	AV VAR CST	\$/MWH	77.78	80.63	82.53	85.38	87.01	89.42	92.33
	GENERATION	GWH	2321.7	2312.8	2324.1	2310.5	2321.5	2312.8	2324.5
	DUMP ENERGY	GWH	6.5	4.0	5.5	4.1	11.0	11.3	8.6
	FUEL BURN 000	MBTU	26082.	25998.	26118.	25977.	26081.	25999.	26121.
RP2TR_KP969	CAPACITY FACTOR		0.6263	0.6719	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 969	CAPACITY	MW	195.00	200.40	200.40	200.40	200.40	200.40	200.40
	AVG HR	MBTU/MWH	9.67	9.67	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	7790.	8919.	0.	0.	0.	0.	0.
	FIXED COST	\$000	5638.	6657.	0.	0.	0.	0.	0.
	FUEL COST	\$000	32143.	36460.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	37.32	38.47	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	1069.9	1179.5	0.0	0.0	0.0	0.0	0.0
	FUEL BURN 000	MBTU	10342.	11402.	0.	0.	0.	0.	0.
BS1_Gas 970	CAPACITY FACTOR		0.3143	0.3542	0.3293	0.3094	0.3084	0.2470	0.3083
INDEX # 970	CAPACITY	MW	260.00	260.00	260.00	260.00	260.00	260.00	260.00
	AVG HR	MBTU/MWH	10.21	10.21	10.20	10.12	10.11	10.10	10.11
	VAR O&M CST	\$000	414.	478.	457.	439.	448.	367.	470.
	FIXED COST	\$000	9960.	9571.	11357.	10968.	11379.	12789.	12200.
	FUEL COST	\$000	40801.	46679.	43974.	42122.	43661.	35898.	46266.
	AV VAR CST	\$/MWH	57.57	58.45	59.08	60.40	62.80	64.47	66.38
	GENERATION	GWH	715.9	806.8	752.0	704.7	702.4	562.5	704.0
	FUEL BURN 000	MBTU	7309.	8234.	7670.	7133.	7100.	5681.	7115.
RP2TR_IM971	CAPACITY FACTOR		0.4706	0.3467	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 971	CAPACITY	MW	1105.00	1105.00	1105.00	1105.00	1105.00	1105.00	1105.00
	AVG HR	MBTU/MWH	9.79	9.80	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	25364.	19177.	0.	0.	0.	0.	0.
	FIXED COST	\$000	25825.	44836.	0.	0.	0.	0.	0.
	FUEL COST	\$000	138671.	105123.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	36.01	37.04	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	4555.6	3356.0	0.0	0.0	0.0	0.0	0.0
	FUEL BURN 000	MBTU	44614.	32872.	0.	0.	0.	0.	0.
DUMMY_OP972	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 972	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DUMMY_OP973	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 973	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DUMMY_OP974	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 974	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0

02/07/13 15:32:42 V04.0 R03.0

NewEnergy Associates  
Strategist Page 77

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

		2018	2019	2020	2021	2022	2023	2024
DUMMY_OP975	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 975	CAPACITY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0
DUMMY_OP976	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 976	CAPACITY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0
DUMMY_OP977	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 977	CAPACITY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0
DUMMY_OP978	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 978	CAPACITY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0
DUMMY_OP979	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000





		SB Output Summary.REP							
INDEX # 993	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DUMMY_OP994	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 994	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DUMMY_KP995	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 995	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DUMMY_OP996	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 996	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DUMMY_OP997	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 997	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0

02/07/13 15:32:42 V04.0 R03.0

NewEnergy Associates  
Strategist Page 78

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

		2018	2019	2020	2021	2022	2023	2024
T4_TRONA998	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 998	CAPACITY	MW	500.00	500.00	500.00	500.00	500.00	500.00
	AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.
	FUEL COST	\$000	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0
	FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.
DUMMY_OP999	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 999	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0

02/07/13 15:32:42 V04.0 R03.0

NewEnergy Associates  
Strategist Page 79

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

		2025	2026	2027	2028	2029	2030	2031
AMOS	1 CAPACITY FACTOR	0.7679	0.7130	0.7580	0.7664	0.6655	0.7712	0.7096
INDEX #	1 CAPACITY	MW	790.00	790.00	790.00	790.00	790.00	790.00
	AVG HR	MBTU/MWH	9.68	9.68	9.70	9.69	9.70	9.68
	VAR O&M CST	\$000	18587.	17634.	19167.	19852.	17566.	20785.
	FIXED COST	\$000	41785.	44521.	44557.	46045.	50519.	49690.
	FUEL COST	\$000	201510.	190790.	207819.	214591.	190055.	223965.
	AV VAR CST	\$/MWH	41.42	42.24	43.27	44.08	45.08	46.82
	GENERATION	GWH	5314.1	4934.6	5245.7	5318.7	4605.5	5337.4
	FUEL BURN 000	MBTU	51460.	47753.	50865.	51515.	44668.	51659.
AMOS	2 CAPACITY FACTOR	0.8047	0.8080	0.7961	0.7362	0.7978	0.8087	0.8066
INDEX #	2 CAPACITY	MW	790.00	790.00	790.00	790.00	790.00	790.00
	AVG HR	MBTU/MWH	9.51	9.50	9.51	9.51	9.50	9.50
	VAR O&M CST	\$000	19378.	19882.	20024.	18970.	20946.	21682.
	FIXED COST	\$000	44832.	47695.	50028.	53971.	55121.	57290.
	FUEL COST	\$000	207302.	212317.	214175.	202378.	223493.	230540.
	AV VAR CST	\$/MWH	40.70	41.53	42.51	43.33	44.28	45.07
	GENERATION	GWH	5568.9	5591.8	5509.5	5108.4	5520.8	5596.5
	FUEL BURN 000	MBTU	52936.	53133.	52423.	48582.	52518.	53173.
AMOS_OP	3 CAPACITY FACTOR	0.8172	0.8145	0.7309	0.7345	0.7367	0.8215	0.8240
INDEX #	3 CAPACITY	MW	858.00	858.00	858.00	858.00	858.00	858.00
	AVG HR	MBTU/MWH	9.72	9.72	9.72	9.72	9.72	9.71
	VAR O&M CST	\$000	21506.	21906.	20087.	20685.	21133.	24070.
	FIXED COST	\$000	11659.	12782.	20250.	21292.	22775.	17459.
	FUEL COST	\$000	233787.	237784.	218237.	224174.	228983.	260075.
	AV VAR CST	\$/MWH	41.57	42.42	43.38	44.23	45.17	46.02
	GENERATION	GWH	6142.0	6121.8	5493.7	5535.7	5537.1	6174.3
	FUEL BURN 000	MBTU	59702.	59506.	53421.	53810.	53809.	59988.
BECKJORD	6 CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

SB Output Summary.REP

INDEX #	4	CAPACITY	MW	53.00	53.00	53.00	53.00	53.00	53.00	53.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWHR	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.	0.
BIG SAND	1	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	5	CAPACITY	MW	278.00	278.00	278.00	278.00	278.00	278.00	278.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWHR	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.	0.
BIG SAND	2	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	6	CAPACITY	MW	800.00	800.00	800.00	800.00	800.00	800.00	800.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWHR	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.	0.
CARD 1+2	1	CAPACITY FACTOR		0.7822	0.6836	0.7633	0.6857	0.7816	0.6853	0.7660
INDEX #	7	CAPACITY	MW	595.00	595.00	595.00	595.00	595.00	595.00	595.00
		AVG HR	MBTU/MWH	9.28	9.28	9.28	9.28	9.28	9.28	9.28
		VAR O&M CST	\$000	16183.	14456.	16495.	15185.	17635.	15797.	18031.
		FIXED COST	\$000	80025.	88701.	91611.	93799.	95835.	101129.	99221.
		FUEL COST	\$000	115625.	103043.	117268.	107968.	124995.	111912.	127666.
		AV VAR CST	\$/MWH	32.33	32.98	33.62	34.36	35.01	35.75	36.49
		GENERATION	GWHR	4076.7	3562.9	3978.6	3583.7	4073.7	3572.1	3992.4
		FUEL BURN	000 MBTU	37827.	33064.	36917.	33254.	37803.	33147.	37045.
CARD 1+2	2	CAPACITY FACTOR		0.7535	0.8948	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	8	CAPACITY	MW	595.00	595.00	595.00	595.00	595.00	595.00	595.00
		AVG HR	MBTU/MWH	9.39	9.39	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	15636.	18978.	0.	0.	0.	0.	0.
		FIXED COST	\$000	27965.	63032.	0.	0.	0.	0.	0.
		FUEL COST	\$000	117941.	143114.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	34.01	34.75	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWHR	3927.3	4663.9	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	36893.	43814.	0.	0.	0.	0.	0.
CARD 3	3	CAPACITY FACTOR		0.7595	0.8066	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	9	CAPACITY	MW	620.00	620.00	620.00	620.00	620.00	620.00	620.00
		AVG HR	MBTU/MWH	10.35	10.36	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	16827.	18263.	0.	0.	0.	0.	0.
		FIXED COST	\$000	29470.	67938.	0.	0.	0.	0.	0.
		FUEL COST	\$000	136548.	148195.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	37.18	38.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWHR	4125.0	4380.6	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	42712.	45366.	0.	0.	0.	0.	0.
CLINCH R	1	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	16	CAPACITY	MW	235.00	235.00	235.00	235.00	235.00	235.00	235.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWHR	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.	0.
CLINCH R	2	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	17	CAPACITY	MW	235.00	235.00	235.00	235.00	235.00	235.00	235.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWHR	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.	0.
CLINCH R	3	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	18	CAPACITY	MW	235.00	235.00	235.00	235.00	235.00	235.00	235.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWHR	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.	0.
ROCKP_KP	1	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	19	CAPACITY	MW	203.40	203.40	203.40	203.40	203.40	203.40	203.40
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWHR	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.	0.

SB Output Summary.REP

ROCKP_KP	2	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	20	CAPACITY	200.40	200.40	200.40	200.40	200.40	200.40	200.40
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST \$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST \$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000 MBTU	0.	0.	0.	0.	0.	0.	0.
CSVL 1-4	3	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	21	CAPACITY	165.00	165.00	165.00	165.00	165.00	165.00	165.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST \$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST \$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000 MBTU	0.	0.	0.	0.	0.	0.	0.
CSVL 1-4	4	CAPACITY FACTOR	0.7899	0.7411	0.7934	0.7918	0.7478	0.8007	0.8032
INDEX #	22	CAPACITY	337.00	337.00	337.00	337.00	337.00	337.00	337.00
		AVG HR	9.81	9.81	9.80	9.81	9.80	9.80	9.79
		VAR O&M CST \$000	10183.	9764.	10679.	10921.	10506.	11488.	11768.
		FIXED COST \$000	40745.	44073.	45874.	48302.	51332.	53125.	54135.
		FUEL COST \$000	87737.	84045.	91768.	93696.	90147.	98314.	100691.
		AV VAR CST \$/MWH	41.99	42.88	43.74	44.63	45.59	46.45	47.43
		GENERATION GWH	2331.8	2187.8	2342.2	2343.9	2207.5	2363.6	2371.1
		FUEL BURN 000 MBTU	22871.	21462.	22964.	22988.	21640.	23155.	23224.

02/07/13 15:32:42 V04.0 R03.0

NewEnergy Associates  
Strategist Page 80

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

			2025	2026	2027	2028	2029	2030	2031
CSVL 5+6	5	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	23	CAPACITY	400.00	400.00	400.00	400.00	400.00	400.00	400.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST \$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST \$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000 MBTU	0.	0.	0.	0.	0.	0.	0.
CSVL 5+6	6	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	24	CAPACITY	400.00	400.00	400.00	400.00	400.00	400.00	400.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST \$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST \$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000 MBTU	0.	0.	0.	0.	0.	0.	0.
D C COOK	1	CAPACITY FACTOR	0.8485	0.8510	0.9261	0.8480	0.8515	0.9261	0.8484
INDEX #	25	CAPACITY	1084.00	1084.00	1084.00	1084.00	1084.00	1084.00	1084.00
		AVG HR	10.84	10.84	10.84	10.84	10.84	10.84	10.84
		VAR O&M CST \$000	57175.	59064.	66208.	62612.	64582.	72348.	68261.
		FIXED COST \$000	289181.	304436.	314490.	336183.	352363.	362786.	375510.
		FUEL COST \$000	75550.	77878.	86832.	82437.	84676.	94144.	88965.
		AV VAR CST \$/MWH	16.47	16.95	17.40	17.96	18.46	18.93	19.52
		GENERATION GWH	8056.9	8080.7	8794.3	8074.4	8085.8	8794.3	8055.8
		FUEL BURN 000 MBTU	87369.	87628.	95365.	87559.	87683.	95366.	87357.
D C COOK	2	CAPACITY FACTOR	0.8593	0.9370	0.8589	0.8599	0.9370	0.8592	0.8593
INDEX #	26	CAPACITY	1107.00	1107.00	1107.00	1107.00	1107.00	1107.00	1107.00
		AVG HR	10.97	10.97	10.97	10.97	10.97	10.97	10.97
		VAR O&M CST \$000	59134.	66416.	62707.	64837.	72575.	68546.	70607.
		FIXED COST \$000	289699.	299490.	321183.	337070.	347402.	370470.	376835.
		FUEL COST \$000	76537.	84387.	79207.	81263.	90207.	84575.	86325.
		AV VAR CST \$/MWH	16.28	16.60	17.04	17.47	17.91	18.38	18.83
		GENERATION GWH	8333.0	9086.5	8329.3	8361.3	9086.6	8332.2	8332.8
		FUEL BURN 000 MBTU	91413.	99679.	91372.	91723.	99679.	91404.	91411.
GAVIN	1	CAPACITY FACTOR	0.8814	0.8278	0.8791	0.8096	0.8800	0.8289	0.8810
INDEX #	27	CAPACITY	1320.00	1320.00	1320.00	1320.00	1320.00	1320.00	1320.00
		AVG HR	9.81	9.81	9.81	9.81	9.81	9.81	9.81
		VAR O&M CST \$000	22204.	21308.	23115.	21811.	24148.	23232.	25212.
		FIXED COST \$000	5500.	13097.	9780.	19118.	13958.	22009.	16808.
		FUEL COST \$000	317456.	304738.	330562.	311760.	344884.	331458.	359251.
		AV VAR CST \$/MWH	33.33	34.06	34.79	35.54	36.27	37.00	37.74
		GENERATION GWH	10191.3	9571.5	10164.7	9387.1	10175.6	9585.2	10187.7
		FUEL BURN 000 MBTU	99939.	93863.	99678.	92056.	99785.	93994.	99901.
GAVIN	2	CAPACITY FACTOR	0.7072	0.9038	0.8480	0.9022	0.8314	0.9058	0.8002
INDEX #	28	CAPACITY	1320.00	1320.00	1320.00	1320.00	1320.00	1320.00	1320.00
		AVG HR	9.83	9.82	9.83	9.82	9.83	9.82	9.82
		VAR O&M CST \$000	17829.	23282.	22314.	24322.	22831.	25402.	22917.
		FIXED COST \$000	92703.	92388.	98347.	101773.	108560.	111424.	117428.
		FUEL COST \$000	255200.	333352.	319469.	348038.	326440.	362836.	326937.
		AV VAR CST \$/MWH	33.39	34.12	34.86	35.60	36.33	37.07	37.81
		GENERATION GWH	8177.0	10451.1	9805.5	10461.0	9614.2	10473.7	9253.4
		FUEL BURN 000 MBTU	80341.	102682.	96342.	102778.	94460.	102899.	90905.

SB Output Summary.REP

GLEN LYN	5	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	29	CAPACITY	95.00	95.00	95.00	95.00	95.00	95.00	95.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000 0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000 0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000 0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH 0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH 0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU 0.	0.	0.	0.	0.	0.	0.
GLEN LYN	6	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	30	CAPACITY	240.00	240.00	240.00	240.00	240.00	240.00	240.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000 0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000 0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000 0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH 0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH 0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU 0.	0.	0.	0.	0.	0.	0.
KAMMER	1	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	33	CAPACITY	210.00	210.00	210.00	210.00	210.00	210.00	210.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000 0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000 0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000 0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH 0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH 0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU 0.	0.	0.	0.	0.	0.	0.
KAMMER	2	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	34	CAPACITY	210.00	210.00	210.00	210.00	210.00	210.00	210.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000 0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000 0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000 0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH 0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH 0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU 0.	0.	0.	0.	0.	0.	0.
KAMMER	3	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	35	CAPACITY	210.00	210.00	210.00	210.00	210.00	210.00	210.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000 0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000 0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000 0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH 0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH 0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU 0.	0.	0.	0.	0.	0.	0.
KANAWHA	1	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	36	CAPACITY	200.00	200.00	200.00	200.00	200.00	200.00	200.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000 0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000 0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000 0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH 0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH 0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU 0.	0.	0.	0.	0.	0.	0.
KANAWHA	2	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	37	CAPACITY	200.00	200.00	200.00	200.00	200.00	200.00	200.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000 0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000 0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000 0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH 0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH 0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU 0.	0.	0.	0.	0.	0.	0.
MITCHELL	1	CAPACITY FACTOR	0.7950	0.7285	0.8252	0.8220	0.7289	0.8290	0.7231
INDEX #	43	CAPACITY	614.00	614.00	614.00	614.00	614.00	614.00	614.00
		AVG HR	10.08	10.08	10.09	10.09	10.08	10.08	10.08
		VAR O&M CST	\$000 8555.	8011.	9272.	9465.	8549.	9929.	8845.
		FIXED COST	\$000 77953.	81684.	84596.	88230.	92865.	95741.	98915.
		FUEL COST	\$000 159771.	150344.	174399.	178764.	162337.	189068.	168824.
		AV VAR CST	\$/MWH 39.36	40.41	41.38	42.46	43.59	44.63	45.68
		GENERATION	GWH 4276.1	3918.5	4438.3	4433.6	3920.7	4458.7	3889.2
		FUEL BURN	000 MBTU 43106.	39501.	44763.	44736.	39537.	44957.	39207.
MITCHELL	2	CAPACITY FACTOR	0.7387	0.8396	0.8359	0.7373	0.8373	0.8386	0.8395
INDEX #	44	CAPACITY	634.00	634.00	634.00	634.00	634.00	634.00	634.00
		AVG HR	9.62	9.62	9.62	9.62	9.62	9.62	9.62
		VAR O&M CST	\$000 8084.	9392.	9554.	8635.	9990.	10218.	10446.
		FIXED COST	\$000 61219.	62201.	63818.	66627.	67458.	69316.	69992.
		FUEL COST	\$000 146188.	170722.	174034.	157875.	183737.	188440.	193120.
		AV VAR CST	\$/MWH 37.61	38.62	39.55	40.55	41.66	42.66	43.66
		GENERATION	GWH 4102.4	4663.2	4642.3	4106.2	4650.4	4657.2	4662.6
		FUEL BURN	000 MBTU 39446.	44855.	44674.	39508.	44751.	44810.	44858.
MOUNT ER	1	CAPACITY FACTOR	0.8770	0.6689	0.8933	0.8415	0.8942	0.8445	0.8791
INDEX #	45	CAPACITY	1314.00	1314.00	1314.00	1314.00	1314.00	1314.00	1314.00
		AVG HR	9.59	9.59	9.59	9.59	9.59	9.59	9.59
		VAR O&M CST	\$000 36970.	28840.	39370.	38027.	41188.	39749.	42275.
		FIXED COST	\$000 69203.	91234.	73540.	81343.	79761.	88079.	80024.
		FUEL COST	\$000 301629.	235231.	320039.	308829.	334139.	322065.	342067.
		AV VAR CST	\$/MWH 33.54	34.30	34.95	35.71	36.46	37.22	37.98

GENERATION GWH 10094.8  
 FUEL BURN 000 MBTU 96778.  
 ‡ 02/07/13 15:32:42 V04.0 R03.0

SB Output Summary.REP  
 7699.8 10282.6  
 73810. 98582.

9713.2 10293.1 9720.6 10119.5  
 93123. 98674. 93185. 97007.

NewEnergy Associates  
 Strategist Page 81

AEP EAST  
 GENERATION AND FUEL MODULE  
 UNIT REPORT

		2025	2026	2027	2028	2029	2030	2031
MUSK RVR	1 CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	46 CAPACITY MW	205.00	205.00	205.00	205.00	205.00	205.00	205.00
	AVG HR MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST \$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST \$000	0.	0.	0.	0.	0.	0.	0.
	FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FUEL BURN 000 MBTU	0.	0.	0.	0.	0.	0.	0.
MUSK RVR	2 CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	47 CAPACITY MW	205.00	205.00	205.00	205.00	205.00	205.00	205.00
	AVG HR MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST \$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST \$000	0.	0.	0.	0.	0.	0.	0.
	FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FUEL BURN 000 MBTU	0.	0.	0.	0.	0.	0.	0.
MUSK RVR	3 CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	48 CAPACITY MW	215.00	215.00	215.00	215.00	215.00	215.00	215.00
	AVG HR MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST \$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST \$000	0.	0.	0.	0.	0.	0.	0.
	FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FUEL BURN 000 MBTU	0.	0.	0.	0.	0.	0.	0.
MUSK RVR	4 CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	49 CAPACITY MW	215.00	215.00	215.00	215.00	215.00	215.00	215.00
	AVG HR MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST \$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST \$000	0.	0.	0.	0.	0.	0.	0.
	FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FUEL BURN 000 MBTU	0.	0.	0.	0.	0.	0.	0.
MUSK RVR	5 CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	50 CAPACITY MW	600.00	600.00	600.00	600.00	600.00	600.00	600.00
	AVG HR MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST \$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST \$000	0.	0.	0.	0.	0.	0.	0.
	FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FUEL BURN 000 MBTU	0.	0.	0.	0.	0.	0.	0.
P SPORN	1 CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	51 CAPACITY MW	150.00	150.00	150.00	150.00	150.00	150.00	150.00
	AVG HR MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST \$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST \$000	0.	0.	0.	0.	0.	0.	0.
	FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FUEL BURN 000 MBTU	0.	0.	0.	0.	0.	0.	0.
P SPORN	2 CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	52 CAPACITY MW	150.00	150.00	150.00	150.00	150.00	150.00	150.00
	AVG HR MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST \$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST \$000	0.	0.	0.	0.	0.	0.	0.
	FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FUEL BURN 000 MBTU	0.	0.	0.	0.	0.	0.	0.
P SPORN	3 CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	53 CAPACITY MW	150.00	150.00	150.00	150.00	150.00	150.00	150.00
	AVG HR MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST \$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST \$000	0.	0.	0.	0.	0.	0.	0.
	FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FUEL BURN 000 MBTU	0.	0.	0.	0.	0.	0.	0.
P SPORN	4 CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	54 CAPACITY MW	150.00	150.00	150.00	150.00	150.00	150.00	150.00
	AVG HR MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST \$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST \$000	0.	0.	0.	0.	0.	0.	0.
	FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00

SB Output Summary.REP

		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
P SPORN	5	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	55	CAPACITY	MW	450.00	450.00	450.00	450.00	450.00	450.00	450.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
PICWAY	5	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	56	CAPACITY	MW	100.00	100.00	100.00	100.00	100.00	100.00	100.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
RPRUN_IM	1	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	58	CAPACITY	MW	1105.00	1105.00	1105.00	1105.00	1105.00	1105.00	1105.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
ROCKP_IM	2	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	59	CAPACITY	MW	1105.00	1105.00	1105.00	1105.00	1105.00	1105.00	1105.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
STUART	1	CAPACITY FACTOR		0.7423	0.8809	0.8253	0.8273	0.8808	0.8273	0.8254
INDEX #	61	CAPACITY	MW	150.00	150.00	150.00	150.00	150.00	150.00	150.00
		AVG HR	MBTU/MWH	9.49	9.49	9.49	9.49	9.49	9.49	9.49
		VAR O&M CST	\$000	3381.	4101.	3926.	4033.	4375.	4198.	4277.
		FIXED COST	\$000	17701.	17996.	18994.	19793.	20365.	21474.	21288.
		FUEL COST	\$000	31613.	38400.	36698.	37603.	40809.	39149.	39884.
		AV VAR CST	\$/MWH	35.88	36.72	37.46	38.19	39.04	39.87	40.72
		GENERATION	GWH	975.4	1157.5	1084.4	1090.1	1157.4	1087.1	1084.6
		FUEL BURN 000	MBTU	9253.	10984.	10290.	10342.	10982.	10313.	10291.
STUART	2	CAPACITY FACTOR		0.8857	0.8297	0.8306	0.8868	0.8302	0.8320	0.8875
INDEX #	62	CAPACITY	MW	150.00	150.00	150.00	150.00	150.00	150.00	150.00
		AVG HR	MBTU/MWH	9.61	9.61	9.61	9.61	9.61	9.61	9.61
		VAR O&M CST	\$000	4046.	3874.	3962.	4335.	4136.	4234.	4612.
		FIXED COST	\$000	17025.	18129.	18886.	19404.	20477.	21324.	20863.
		FUEL COST	\$000	38222.	36645.	37408.	40835.	38967.	39879.	43440.
		AV VAR CST	\$/MWH	36.32	37.17	37.91	38.66	39.51	40.35	41.20
		GENERATION	GWH	1163.8	1090.2	1091.4	1168.4	1090.8	1093.2	1166.2
		FUEL BURN 000	MBTU	11189.	10481.	10490.	11231.	10486.	10506.	11208.
STUART	3	CAPACITY FACTOR		0.8701	0.8149	0.8117	0.8655	0.8148	0.8186	0.8725
INDEX #	63	CAPACITY	MW	150.00	150.00	150.00	150.00	150.00	150.00	150.00
		AVG HR	MBTU/MWH	9.53	9.53	9.53	9.53	9.53	9.52	9.52
		VAR O&M CST	\$000	3966.	3797.	3865.	4223.	4051.	4157.	4525.
		FIXED COST	\$000	17218.	18324.	19077.	19629.	20701.	21560.	21119.
		FUEL COST	\$000	37206.	35665.	36239.	39509.	37903.	38884.	42321.
		AV VAR CST	\$/MWH	36.01	36.85	37.60	38.35	39.18	40.02	40.86
		GENERATION	GWH	1143.3	1070.8	1066.6	1140.4	1070.7	1075.6	1146.4
		FUEL BURN 000	MBTU	10891.	10201.	10162.	10866.	10200.	10244.	10920.

02/07/13 15:32:43 V04.0 R03.0

NewEnergy Associates  
Strategist Page 82

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

			2025	2026	2027	2028	2029	2030	2031
STUART	4	CAPACITY FACTOR	0.8773	0.8221	0.8200	0.8743	0.8212	0.8231	0.8779
INDEX #	64	CAPACITY	150.00	150.00	150.00	150.00	150.00	150.00	150.00
		AVG HR	9.66	9.66	9.66	9.66	9.66	9.66	9.66
		VAR O&M CST	\$000	4012.	3843.	3917.	4280.	4096.	4568.
		FIXED COST	\$000	17138.	18240.	19007.	19567.	20630.	21491.
		FUEL COST	\$000	38049.	36491.	37135.	40483.	38749.	39662.
		AV VAR CST	\$/MWH	36.49	37.34	38.10	38.86	39.70	40.55
		GENERATION	GWH	1152.7	1080.2	1077.5	1152.0	1079.1	1081.6
		FUEL BURN 000	MBTU	11138.	10437.	10413.	11134.	10427.	10449.
AMOS AP	3	CAPACITY FACTOR	0.7444	0.7471	0.6637	0.6733	0.6665	0.7461	0.7464
INDEX #	65	CAPACITY	429.00	429.00	429.00	429.00	429.00	429.00	429.00
		AVG HR	9.79	9.78	9.80	9.79	9.79	9.79	9.79
		VAR O&M CST	\$000	9816.	10066.	9140.	9499.	9582.	10953.
		FIXED COST	\$000	88626.	91235.	94154.	97080.	100016.	103067.
		FUEL COST	\$000	107253.	109779.	99838.	103441.	104400.	118978.
		AV VAR CST	\$/MWH	41.85	42.69	43.69	44.51	45.50	46.34



SB Output Summary.REP

		GENERATION	GW	2797.6	2807.6	2494.4	2537.3	2504.9	2803.7	2804.9
		FUEL BURN 000	MBTU	27389.	27472.	24438.	24830.	24532.	27443.	27448.
TANN 1-3	1	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	66	CAPACITY	MW	145.00	145.00	145.00	145.00	145.00	145.00	145.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
TANN 1-3	2	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	67	CAPACITY	MW	145.00	145.00	145.00	145.00	145.00	145.00	145.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
TANN 1-3	3	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	68	CAPACITY	MW	205.00	205.00	205.00	205.00	205.00	205.00	205.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
TANN 4	4	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	69	CAPACITY	MW	500.00	500.00	500.00	500.00	500.00	500.00	500.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
ZIMMER	1	CAPACITY FACTOR		0.8968	0.8977	0.7565	0.8937	0.8950	0.8063	0.8977
INDEX #	70	CAPACITY	MW	330.00	330.00	330.00	330.00	330.00	330.00	330.00
		AVG HR	MBTU/MWH	9.70	9.70	9.70	9.70	9.70	9.70	9.70
		VAR O&M CST	\$000	10568.	10808.	9305.	11265.	11492.	10574.	12021.
		FIXED COST	\$000	37152.	39278.	42571.	42810.	44705.	47807.	46389.
		FUEL COST	\$000	80403.	82231.	70770.	85889.	87521.	80651.	91537.
		AV VAR CST	\$/MWH	35.09	35.85	36.62	37.50	38.27	39.14	39.91
		GENERATION	GW	2592.6	2595.0	2186.8	2590.7	2587.3	2330.9	2595.0
		FUEL BURN 000	MBTU	25153.	25175.	21211.	25141.	25105.	22614.	25175.
CEREDO	1	CAPACITY FACTOR		0.5302	0.6051	0.4566	0.6116	0.5420	0.4518	0.6170
INDEX #	75	CAPACITY	MW	86.00	86.00	86.00	86.00	86.00	86.00	86.00
		AVG HR	MBTU/MWH	11.73	11.73	11.73	11.73	11.73	11.73	11.73
		VAR O&M CST	\$000	2829.	3301.	2547.	3498.	2691.	3755.	3755.
		FIXED COST	\$000	1165.	1231.	1197.	1231.	1256.	1344.	1280.
		FUEL COST	\$000	38126.	43869.	34196.	46638.	42241.	35555.	49531.
		AV VAR CST	\$/MWH	102.53	103.47	106.81	108.52	111.18	112.37	114.63
		GENERATION	GW	399.4	455.9	344.0	462.0	408.4	340.4	464.8
		FUEL BURN 000	MBTU	4686.	5349.	4036.	5421.	4791.	3993.	5454.
CEREDO	2	CAPACITY FACTOR		0.4263	0.5860	0.4204	0.5279	0.5069	0.4303	0.5945
INDEX #	76	CAPACITY	MW	86.00	86.00	86.00	86.00	86.00	86.00	86.00
		AVG HR	MBTU/MWH	11.74	11.74	11.74	11.74	11.74	11.74	11.74
		VAR O&M CST	\$000	2274.	3197.	2345.	3019.	2955.	2563.	3618.
		FIXED COST	\$000	455.	525.	490.	525.	553.	632.	571.
		FUEL COST	\$000	30830.	42502.	31537.	40295.	39611.	33940.	47820.
		AV VAR CST	\$/MWH	103.07	103.52	106.98	108.62	111.47	112.60	114.85
		GENERATION	GW	321.2	441.5	316.7	398.8	381.8	324.2	447.9
		FUEL BURN 000	MBTU	3771.	5184.	3719.	4683.	4484.	3807.	5260.
CEREDO	3	CAPACITY FACTOR		0.3661	0.5606	0.3530	0.4428	0.4100	0.3930	0.4738
INDEX #	77	CAPACITY	MW	86.00	86.00	86.00	86.00	86.00	86.00	86.00
		AVG HR	MBTU/MWH	11.80	11.81	11.80	11.80	11.80	11.81	11.80
		VAR O&M CST	\$000	1953.	3059.	1969.	2532.	2390.	2341.	2883.
		FIXED COST	\$000	533.	607.	576.	612.	641.	729.	656.
		FUEL COST	\$000	26637.	40855.	26736.	34039.	32264.	31267.	38483.
		AV VAR CST	\$/MWH	103.67	103.97	107.94	109.33	112.19	113.50	115.89
		GENERATION	GW	275.8	422.4	265.9	334.5	308.9	296.1	356.9
		FUEL BURN 000	MBTU	3255.	4986.	3139.	3949.	3646.	3496.	4214.
CEREDO	4	CAPACITY FACTOR		0.5324	0.6397	0.4978	0.6309	0.3930	0.6361	0.6477
INDEX #	78	CAPACITY	MW	86.00	86.00	86.00	86.00	86.00	86.00	86.00
		AVG HR	MBTU/MWH	11.72	11.72	11.72	11.72	11.72	11.72	11.72
		VAR O&M CST	\$000	2840.	3490.	2776.	3608.	2291.	3789.	3942.
		FIXED COST	\$000	384.	450.	409.	445.	550.	496.	499.
		FUEL COST	\$000	38226.	46292.	37138.	47900.	30296.	50084.	51963.
		AV VAR CST	\$/MWH	102.38	103.30	106.44	108.07	110.06	112.43	114.57
		GENERATION	GW	401.1	481.9	375.0	476.6	296.1	479.2	488.0
		FUEL BURN 000	MBTU	4701.	5648.	4395.	5586.	3470.	5616.	5719.
CEREDO	5	CAPACITY FACTOR		0.3894	0.5829	0.3599	0.4808	0.4609	0.4669	0.5512
INDEX #	79	CAPACITY	MW	86.00	86.00	86.00	86.00	86.00	86.00	86.00
		AVG HR	MBTU/MWH	11.80	11.81	11.80	11.81	11.80	11.80	11.81
		VAR O&M CST	\$000	2077.	3180.	2008.	2750.	2687.	2781.	3354.
		FIXED COST	\$000	504.	576.	540.	580.	609.	678.	625.



SB Output Summary.REP

		FUEL COST	\$000	28347.	42515.	27238.	36880.	36213.	37175.	44687.
		AV VAR CST	\$/MWH	103.71	104.05	107.85	109.10	112.03	113.59	115.70
		GENERATION	GW	293.4	439.1	271.2	363.2	347.2	351.8	415.2
		FUEL BURN	000 MBTU	3463.	5185.	3201.	4288.	4099.	4152.	4902.
CEREDO	6	CAPACITY FACTOR		0.3122	0.5388	0.3446	0.4187	0.3128	0.4612	0.4456
INDEX #	80	CAPACITY	MW	86.00	86.00	86.00	86.00	86.00	86.00	86.00
		AVG HR	MBTU/MWH	11.94	11.94	11.94	11.94	11.94	11.94	11.94
		VAR O&M CST	\$000	1666.	2939.	1922.	2394.	1823.	2747.	2712.
		FIXED COST	\$000	570.	645.	609.	653.	724.	695.	698.
		FUEL COST	\$000	22985.	39729.	26418.	32518.	25015.	36975.	36657.
		AV VAR CST	\$/MWH	104.80	105.12	109.17	110.38	113.90	114.33	117.27
		GENERATION	GW	235.2	405.9	259.6	316.3	235.6	347.4	335.7
		DUMP ENERGY	GW	0.0	0.8	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	2808.	4846.	3099.	3776.	2813.	4147.	4008.
DARBY	1	CAPACITY FACTOR		0.1183	0.1345	0.1275	0.1266	0.1250	0.1257	0.1267
INDEX #	81	CAPACITY	MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR	MBTU/MWH	11.77	11.76	11.76	11.76	11.76	11.76	11.77
		VAR O&M CST	\$000	643.	748.	725.	738.	743.	763.	786.
		FIXED COST	\$000	335.	356.	365.	352.	427.	420.	480.
		FUEL COST	\$000	8221.	9539.	9249.	9425.	9488.	9666.	9909.
		AV VAR CST	\$/MWH	100.65	102.72	105.06	107.49	109.89	111.45	113.39
		GENERATION	GW	88.1	100.1	94.9	94.6	93.1	93.6	94.3
		FUEL BURN	000 MBTU	1036.	1178.	1117.	1112.	1095.	1101.	1110.
DARBY	2	CAPACITY FACTOR		0.1112	0.1262	0.1190	0.1183	0.1168	0.1187	0.1186
INDEX #	82	CAPACITY	MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR	MBTU/MWH	11.76	11.76	11.76	11.76	11.76	11.76	11.77
		VAR O&M CST	\$000	605.	702.	677.	690.	694.	721.	736.
		FIXED COST	\$000	347.	387.	399.	386.	460.	446.	513.
		FUEL COST	\$000	7795.	8946.	8627.	8801.	8863.	9132.	9275.
		AV VAR CST	\$/MWH	101.43	102.69	105.02	107.46	109.86	111.49	113.37
		GENERATION	GW	82.8	94.0	88.6	88.3	87.0	88.4	88.3
		FUEL BURN	000 MBTU	974.	1105.	1042.	1039.	1024.	1040.	1039.
DARBY	3	CAPACITY FACTOR		0.1023	0.1180	0.1108	0.1101	0.1091	0.1115	0.1106
INDEX #	83	CAPACITY	MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR	MBTU/MWH	11.76	11.76	11.76	11.76	11.76	11.76	11.77
		VAR O&M CST	\$000	557.	656.	630.	642.	648.	677.	686.
		FIXED COST	\$000	393.	418.	431.	420.	492.	477.	545.
		FUEL COST	\$000	7160.	8365.	8030.	8190.	8271.	8581.	8647.
		AV VAR CST	\$/MWH	101.26	102.66	104.98	107.42	109.82	111.48	113.33
		GENERATION	GW	76.2	87.9	82.5	82.2	81.2	83.1	82.3
		FUEL BURN	000 MBTU	896.	1034.	970.	967.	955.	977.	969.

02/07/13 15:32:43 V04.0 R03.0

NewEnergy Associates  
Strategist Page 83

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

				2025	2026	2027	2028	2029	2030	2031
DARBY	4	CAPACITY FACTOR		0.1130	0.1103	0.1032	0.1025	0.1019	0.1058	0.1033
INDEX #	84	CAPACITY	MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR	MBTU/MWH	11.76	11.76	11.76	11.76	11.76	11.77	11.77
		VAR O&M CST	\$000	614.	614.	587.	598.	605.	643.	641.
		FIXED COST	\$000	369.	446.	459.	451.	520.	505.	574.
		FUEL COST	\$000	7891.	7818.	7477.	7621.	7724.	8139.	8077.
		AV VAR CST	\$/MWH	101.13	102.64	104.95	107.38	109.79	111.43	113.31
		GENERATION	GW	84.1	82.1	76.8	76.5	75.9	78.8	76.9
		FUEL BURN	000 MBTU	989.	966.	904.	900.	893.	927.	905.
DARBY	5	CAPACITY FACTOR		0.1055	0.1030	0.0959	0.0953	0.0949	0.0840	0.0962
INDEX #	85	CAPACITY	MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR	MBTU/MWH	11.76	11.76	11.77	11.77	11.76	11.76	11.77
		VAR O&M CST	\$000	574.	573.	545.	556.	564.	510.	597.
		FIXED COST	\$000	397.	472.	487.	480.	547.	574.	602.
		FUEL COST	\$000	7365.	7298.	6948.	7086.	7195.	6459.	7517.
		AV VAR CST	\$/MWH	101.10	102.61	104.92	107.35	109.76	111.42	113.28
		GENERATION	GW	78.5	76.7	71.4	71.2	70.7	62.6	71.6
		FUEL BURN	000 MBTU	924.	902.	840.	837.	832.	736.	843.
DARBY	6	CAPACITY FACTOR		0.0845	0.0827	0.0773	0.0767	0.0773	0.0789	0.0791
INDEX #	86	CAPACITY	MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR	MBTU/MWH	11.76	11.76	11.76	11.76	11.76	11.76	11.77
		VAR O&M CST	\$000	460.	460.	440.	447.	459.	479.	490.
		FIXED COST	\$000	451.	526.	536.	534.	594.	597.	648.
		FUEL COST	\$000	5906.	5862.	5605.	5704.	5858.	6061.	6179.
		AV VAR CST	\$/MWH	101.18	102.67	104.99	107.41	109.83	111.38	113.31
		GENERATION	GW	62.9	61.6	57.6	57.3	57.5	58.7	58.9
		FUEL BURN	000 MBTU	740.	724.	677.	674.	677.	691.	693.
LWBG WIN	1	CAPACITY FACTOR		0.2540	0.2487	0.2474	0.2475	0.2464	0.2487	0.2511
INDEX #	87	CAPACITY	MW	593.00	593.00	593.00	593.00	593.00	593.00	593.00
		AVG HR	MBTU/MWH	7.10	7.10	7.10	7.10	7.10	7.10	7.10
		VAR O&M CST	\$000	6896.	6907.	7024.	7204.	7311.	7541.	7780.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	75620.	75134.	76498.	78467.	79550.	81493.	83761.
		AV VAR CST	\$/MWH	62.55	63.50	64.99	66.46	67.86	68.92	70.17
		GENERATION	GW	1319.2	1292.1	1285.2	1289.1	1279.9	1291.9	1304.6
		FUEL BURN	000 MBTU	9366.	9174.	9123.	9150.	9086.	9172.	9262.
LWBG WIN	2	CAPACITY FACTOR		0.3327	0.3228	0.3270	0.3284	0.3267	0.3285	0.3317
INDEX #	88	CAPACITY	MW	593.00	593.00	593.00	593.00	593.00	593.00	593.00
		AVG HR	MBTU/MWH	7.08	7.08	7.08	7.08	7.08	7.08	7.08
		VAR O&M CST	\$000	8722.	8653.	8963.	9228.	9358.	9616.	9919.

SB Output Summary.REP

	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	FUEL COST	\$000	98907.	97347.	100941.	103913.	105286.	107451.	110407.
	AV VAR CST	\$/MWH	62.27	63.21	64.69	66.14	67.55	68.60	69.83
	GENERATION	GW	1728.5	1676.9	1698.9	1710.5	1697.1	1706.6	1723.2
	FUEL BURN	000 MBTU	12237.	11875.	12026.	12107.	12014.	12082.	12199.
LWBG SMR	1 CAPACITY FACTOR		0.1196	0.1186	0.1208	0.1220	0.1205	0.1240	0.1258
INDEX #	89 CAPACITY	MW	593.00	593.00	593.00	593.00	593.00	593.00	593.00
	AVG HR	MBTU/MWH	7.09	7.09	7.09	7.09	7.09	7.09	7.09
	VAR O&M CST	\$000	3246.	3292.	3430.	3551.	3575.	3759.	3897.
	FIXED COST	\$000	-1251.	-1195.	-1478.	-1558.	-1498.	-1537.	-1630.
	FUEL COST	\$000	34542.	34739.	36257.	37545.	37824.	39486.	40829.
	AV VAR CST	\$/MWH	60.85	61.75	63.24	64.67	66.15	67.15	68.43
	GENERATION	GW	621.0	615.9	627.6	635.4	625.8	644.0	653.6
	FUEL BURN	000 MBTU	4402.	4366.	4448.	4504.	4435.	4564.	4632.
LWBG SMR	2 CAPACITY FACTOR		0.1345	0.1329	0.1366	0.1378	0.1368	0.1403	0.1423
INDEX #	90 CAPACITY	MW	593.00	593.00	593.00	593.00	593.00	593.00	593.00
	AVG HR	MBTU/MWH	7.08	7.08	7.08	7.08	7.08	7.08	7.08
	VAR O&M CST	\$000	3525.	3564.	3743.	3873.	3920.	4106.	4256.
	FIXED COST	\$000	-1526.	-1499.	-1788.	-1878.	-1850.	-1893.	-1997.
	FUEL COST	\$000	38804.	38903.	40942.	42370.	42905.	44628.	46122.
	AV VAR CST	\$/MWH	60.60	61.49	62.98	64.41	65.87	66.87	68.14
	GENERATION	GW	698.5	690.6	709.5	718.0	710.9	728.8	739.3
	FUEL BURN	000 MBTU	4945.	4889.	5023.	5083.	5031.	5158.	5233.
WATR CC	1 CAPACITY FACTOR		0.1601	0.1584	0.1529	0.1519	0.1530	0.1562	0.1574
INDEX #	91 CAPACITY	MW	840.00	840.00	840.00	840.00	840.00	840.00	840.00
	AVG HR	MBTU/MWH	7.32	7.32	7.32	7.32	7.32	7.32	7.32
	VAR O&M CST	\$000	5879.	5948.	5872.	5980.	6139.	6405.	6592.
	FIXED COST	\$000	-1400.	-1018.	-1138.	-948.	-1014.	-1083.	-1245.
	FUEL COST	\$000	69978.	70237.	69412.	70732.	72526.	75078.	77003.
	AV VAR CST	\$/MWH	64.39	65.37	66.89	68.44	69.87	70.89	72.19
	GENERATION	GW	1178.0	1165.5	1125.4	1120.9	1125.8	1149.4	1158.0
	FUEL BURN	000 MBTU	8620.	8528.	8236.	8204.	8239.	8411.	8475.
WATR2	1 CAPACITY FACTOR		0.1011	0.1007	0.1018	0.1028	0.1006	0.1038	0.1055
INDEX #	92 CAPACITY	MW	840.00	840.00	840.00	840.00	840.00	840.00	840.00
	AVG HR	MBTU/MWH	7.29	7.29	7.29	7.29	7.29	7.29	7.29
	VAR O&M CST	\$000	3713.	3783.	3907.	4047.	4038.	4255.	4418.
	FIXED COST	\$000	-1006.	-707.	-1070.	-1067.	-868.	-813.	-972.
	FUEL COST	\$000	42764.	43217.	44688.	46308.	46247.	48403.	50078.
	AV VAR CST	\$/MWH	62.47	63.40	64.89	66.38	67.91	68.95	70.21
	GENERATION	GW	744.0	741.3	748.8	758.6	740.5	763.7	776.2
	FUEL BURN	000 MBTU	5422.	5402.	5457.	5528.	5396.	5565.	5656.
DRESDEN	1 CAPACITY FACTOR		0.4134	0.4169	0.4041	0.4213	0.4182	0.4162	0.4167
INDEX #	93 CAPACITY	MW	625.00	625.00	625.00	625.00	625.00	625.00	625.00
	AVG HR	MBTU/MWH	7.53	7.53	7.53	7.53	7.53	7.53	7.53
	VAR O&M CST	\$000	8045.	8297.	8222.	8790.	8893.	9043.	9250.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	FUEL COST	\$000	144379.	147597.	146436.	156430.	158152.	159607.	162522.
	AV VAR CST	\$/MWH	67.35	68.30	69.91	71.43	72.96	74.02	75.30
	GENERATION	GW	2263.2	2282.6	2212.3	2313.0	2289.7	2278.4	2281.3
	DUMP ENERGY	GW	0.0	0.0	0.3	0.2	0.1	0.0	0.0
	FUEL BURN	000 MBTU	17038.	17180.	16650.	17423.	17251.	17162.	17176.
DRESD2	1 CAPACITY FACTOR		0.1409	0.1460	0.1410	0.1411	0.1407	0.1419	0.1427
INDEX #	94 CAPACITY	MW	625.00	625.00	625.00	625.00	625.00	625.00	625.00
	AVG HR	MBTU/MWH	7.36	7.39	7.37	7.36	7.37	7.36	7.35
	VAR O&M CST	\$000	2742.	2905.	2869.	2943.	2992.	3084.	3167.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	FUEL COST	\$000	46637.	49158.	48467.	49696.	50546.	51651.	52808.
	AV VAR CST	\$/MWH	64.01	65.15	66.51	67.97	69.49	70.45	71.66
	GENERATION	GW	771.5	799.1	771.9	774.4	770.4	777.0	781.1
	FUEL BURN	000 MBTU	5680.	5905.	5685.	5702.	5676.	5716.	5742.
CC_KPCO	953 CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2954
INDEX #	953 CAPACITY	MW	352.00	352.00	352.00	352.00	352.00	352.00	352.00
	AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	6.99
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	5297.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	10523.
	FUEL COST	\$000	0.	0.	0.	0.	0.	0.	57188.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	68.60
	GENERATION	GW	0.0	0.0	0.0	0.0	0.0	0.0	910.8
	FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.	6366.
CT_KPCO	954 CAPACITY FACTOR		0.0000	0.1404	0.1214	0.1216	0.1316	0.1246	0.1563
INDEX #	954 CAPACITY	MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
	AVG HR	MBTU/MWH	0.00	12.16	12.16	12.17	12.16	12.17	12.17
	VAR O&M CST	\$000	0.	1294.	1143.	1174.	1295.	1253.	1606.
	FIXED COST	\$000	0.	1121.	1152.	1184.	1217.	1251.	1286.
	FUEL COST	\$000	0.	10318.	9129.	9383.	10340.	9931.	12701.
	AV VAR CST	\$/MWH	0.00	111.03	113.68	116.25	118.75	120.59	122.90
	GENERATION	GW	0.0	104.6	90.4	90.8	98.0	92.7	116.4
	FUEL BURN	000 MBTU	0.	1272.	1099.	1105.	1192.	1128.	1416.
CT_KPCO	955 CAPACITY FACTOR		0.0000	0.0892	0.0783	0.0798	0.0845	0.0823	0.1058
INDEX #	955 CAPACITY	MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
	AVG HR	MBTU/MWH	0.00	12.16	12.17	12.16	12.17	12.16	12.16
	VAR O&M CST	\$000	0.	821.	738.	770.	832.	828.	1087.
	FIXED COST	\$000	0.	1121.	1152.	1184.	1217.	1251.	1286.
	FUEL COST	\$000	0.	6549.	5889.	6151.	6644.	6558.	8601.
	AV VAR CST	\$/MWH	0.00	110.99	113.63	116.18	118.76	120.52	122.93
	GENERATION	GW	0.0	66.4	58.3	59.6	62.9	61.3	78.8
	FUEL BURN	000 MBTU	0.	808.	709.	725.	766.	745.	959.
CT_KPCO	956 CAPACITY FACTOR		0.0000	0.0525	0.0479	0.0495	0.0513	0.0511	0.0667

		SB Output Summary.REP							
INDEX # 956	CAPACITY	MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
	AVG HR	MBTU/MWH	0.00	12.16	12.17	12.16	12.16	12.16	12.16
	VAR O&M CST	\$000	0.	483.	451.	478.	505.	514.	685.
	FIXED COST	\$000	0.	1121.	1152.	1184.	1217.	1251.	1286.
	FUEL COST	\$000	0.	3851.	3600.	3814.	4033.	4067.	5423.
	AV VAR CST	\$/MWH	0.00	110.93	113.55	116.08	118.76	120.44	122.98
	GENERATION	GW	0.0	39.1	35.7	37.0	38.2	38.0	49.7
	FUEL BURN 000	MBTU	0.	475.	434.	450.	465.	463.	604.
CT_KP00 957	CAPACITY FACTOR		0.0000	0.0288	0.0276	0.0288	0.0294	0.0293	0.0390
INDEX # 957	CAPACITY	MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
	AVG HR	MBTU/MWH	0.00	12.16	12.16	12.16	12.17	12.17	12.17
	VAR O&M CST	\$000	0.	265.	260.	278.	289.	295.	401.
	FIXED COST	\$000	0.	1121.	1152.	1184.	1217.	1251.	1286.
	FUEL COST	\$000	0.	2112.	2074.	2219.	2307.	2333.	3176.
	AV VAR CST	\$/MWH	0.00	110.87	113.44	115.98	118.74	120.37	123.05
	GENERATION	GW	0.0	21.4	20.6	21.5	21.9	21.8	29.1
	FUEL BURN 000	MBTU	0.	261.	250.	262.	266.	266.	354.

02/07/13 15:32:43 V04.0 R03.0

NewEnergy Associates  
Strategist Page 84

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

		2025	2026	2027	2028	2029	2030	2031
BS_BF50 958	CAPACITY FACTOR	0.5365	0.5277	0.5429	0.5349	0.5349	0.5438	0.5697
INDEX # 958	CAPACITY	381.00	381.00	381.00	381.00	381.00	381.00	381.00
	AVG HR	6.83	6.82	6.82	6.82	6.82	6.82	6.80
	VAR O&M CST	\$000	6656.	7043.	7114.	7252.	7534.	8063.
	FIXED COST	\$000	31803.	31803.	31803.	31803.	31803.	31803.
	FUEL COST	\$000	89805.	89506.	94120.	95129.	100190.	106856.
	AV VAR CST	\$/MWH	53.87	54.63	55.83	57.12	58.41	59.36
	GENERATION	GW	1790.5	1761.1	1812.1	1790.1	1785.2	1814.9
	FUEL BURN 000	MBTU	12225.	12016.	12351.	12211.	12180.	12386.
RP2D_KP 959	CAPACITY FACTOR	0.4323	0.5042	0.5417	0.4865	0.5120	0.3934	0.5266
INDEX # 959	CAPACITY	200.40	200.40	200.40	200.40	200.40	200.40	200.40
	AVG HR	9.69	9.69	9.69	9.69	9.69	9.69	9.69
	VAR O&M CST	\$000	6788.	8134.	8967.	8296.	8954.	7063.
	FIXED COST	\$000	8669.	9043.	9429.	9818.	10211.	10609.
	FUEL COST	\$000	27335.	32653.	36096.	33334.	35855.	28285.
	AV VAR CST	\$/MWH	44.96	46.08	47.39	48.62	49.86	51.18
	GENERATION	GW	759.0	885.1	951.0	856.3	898.7	690.7
	FUEL BURN 000	MBTU	7354.	8576.	9214.	8297.	8708.	6692.
RP2D_IM 960	CAPACITY FACTOR	0.8079	0.6640	0.8103	0.6621	0.7897	0.7692	0.5913
INDEX # 960	CAPACITY	1090.00	1090.00	1090.00	1090.00	1090.00	1090.00	1090.00
	AVG HR	9.72	9.72	9.72	9.72	9.73	9.72	9.72
	VAR O&M CST	\$000	11690.	9735.	12111.	10050.	12108.	11936.
	FIXED COST	\$000	49952.	54606.	50654.	55179.	52462.	55614.
	FUEL COST	\$000	212713.	177933.	221593.	185229.	224887.	223852.
	AV VAR CST	\$/MWH	29.09	29.60	30.21	30.80	31.43	32.10
	GENERATION	GW	7714.6	6340.5	7737.1	6339.6	7540.2	7344.7
	FUEL BURN 000	MBTU	74977.	61625.	75191.	61598.	73329.	71360.
CSV6_SCR961	CAPACITY FACTOR	0.5643	0.7406	0.6852	0.5563	0.7227	0.7533	0.7273
INDEX # 961	CAPACITY	391.00	391.00	391.00	391.00	391.00	391.00	391.00
	AVG HR	10.35	10.37	10.37	10.36	10.36	10.36	10.36
	VAR O&M CST	\$000	7742.	10388.	9820.	8170.	10814.	11515.
	FIXED COST	\$000	49522.	54515.	61838.	70742.	75407.	81924.
	FUEL COST	\$000	74786.	100387.	94821.	78738.	104052.	110868.
	AV VAR CST	\$/MWH	42.69	43.67	44.59	45.49	46.40	47.43
	GENERATION	GW	1933.0	2536.8	2346.7	1910.6	2475.3	2580.1
	FUEL BURN 000	MBTU	20013.	26304.	24335.	19799.	25653.	26741.
CSV5_SCR962	CAPACITY FACTOR	0.5419	0.6750	0.6864	0.6077	0.6907	0.6622	0.6944
INDEX # 962	CAPACITY	391.00	391.00	391.00	391.00	391.00	391.00	391.00
	AVG HR	10.68	10.70	10.69	10.68	10.68	10.68	10.67
	VAR O&M CST	\$000	7489.	9539.	9909.	8988.	10409.	10193.
	FIXED COST	\$000	43837.	48294.	54239.	61462.	66341.	73067.
	FUEL COST	\$000	74102.	94422.	97895.	88641.	102478.	100417.
	AV VAR CST	\$/MWH	43.96	44.96	45.85	46.78	47.72	48.77
	GENERATION	GW	1855.9	2312.1	2351.2	2087.0	2365.7	2268.0
	FUEL BURN 000	MBTU	19829.	24740.	25124.	22290.	25265.	24219.
DUMMY_OP963	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 963	CAPACITY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GW	0.0	0.0	0.0	0.0	0.0	0.0
RP1D_KP 964	CAPACITY FACTOR	0.7678	0.7558	0.7159	0.7558	0.7151	0.7588	0.6587
INDEX # 964	CAPACITY	203.40	203.40	203.40	203.40	203.40	203.40	203.40
	AVG HR	9.65	9.65	9.65	9.65	9.65	9.65	9.65
	VAR O&M CST	\$000	13465.	13534.	13079.	14126.	13600.	14738.
	FIXED COST	\$000	17049.	17418.	17800.	18185.	18573.	18968.
	FUEL COST	\$000	37583.	38032.	36885.	40088.	38810.	42224.
	AV VAR CST	\$/MWH	37.31	38.29	39.17	40.15	41.14	42.13
	GENERATION	GW	1368.1	1346.6	1275.5	1350.3	1274.1	1352.0
	FUEL BURN 000	MBTU	13199.	12992.	12306.	13027.	12292.	13044.
RP1D_03 965	CAPACITY FACTOR	0.5729	0.6173	0.5778	0.6203	0.4377	0.5854	0.6206
INDEX # 965	CAPACITY	1090.00	1090.00	1090.00	1090.00	1090.00	1090.00	1090.00
	AVG HR	9.78	9.77	9.77	9.77	9.78	9.77	9.77
	VAR O&M CST	\$000	57977.	63592.	60574.	66325.	47511.	64666.

SB Output Summary.REP

	FIXED COST	\$000	89696.	83347.	89477.	86148.	95793.	87566.	70757.
	FUEL COST	\$000	151738.	166262.	158914.	174434.	125345.	171263.	185027.
	AV VAR CST	\$/MWH	38.34	38.99	39.78	40.54	41.36	42.21	42.99
	GENERATION	GWH	5470.2	5894.5	5517.5	5938.7	4179.0	5590.0	5926.0
	DUMP ENERGY	GWH	3.8	6.2	4.2	4.2	4.1	2.0	3.0
	FUEL BURN 000	MBTU	53475.	57585.	53917.	58005.	40866.	54594.	57876.
CR2_NGCC966	CAPACITY FACTOR		0.3256	0.3368	0.3137	0.3427	0.3334	0.3513	0.3467
INDEX # 966	CAPACITY	MW	212.00	212.00	212.00	212.00	212.00	212.00	212.00
	AVG HR	MBTU/MWH	10.79	10.93	10.80	10.92	10.87	10.93	10.91
	VAR O&M CST	\$000	3859.	4093.	3884.	4360.	4316.	4652.	4687.
	FIXED COST	\$000	23080.	23080.	23080.	23080.	23080.	23080.	23080.
	FUEL COST	\$000	52751.	55898.	52769.	59666.	58908.	63237.	63488.
	AV VAR CST	\$/MWH	93.61	95.90	97.24	100.32	102.13	104.05	105.89
	GENERATION	GWH	604.7	625.6	582.6	638.2	619.1	652.4	643.9
	DUMP ENERGY	GWH	0.0	0.0	0.0	0.2	0.0	0.0	0.0
	FUEL BURN 000	MBTU	6523.	6836.	6289.	6969.	6729.	7129.	7026.
CRI_NGCC967	CAPACITY FACTOR		0.3831	0.3841	0.3704	0.3908	0.3944	0.4032	0.3907
INDEX # 967	CAPACITY	MW	212.00	212.00	212.00	212.00	212.00	212.00	212.00
	AVG HR	MBTU/MWH	10.61	10.66	10.58	10.66	10.66	10.68	10.62
	VAR O&M CST	\$000	4521.	4639.	4562.	4941.	5081.	5309.	5247.
	FIXED COST	\$000	23080.	23080.	23080.	23080.	23080.	23080.	23080.
	FUEL COST	\$000	60877.	62139.	60935.	66327.	68247.	70865.	69577.
	AV VAR CST	\$/MWH	91.93	93.60	95.22	97.94	100.12	101.74	103.13
	GENERATION	GWH	711.4	713.4	687.9	727.7	732.4	748.7	725.5
	DUMP ENERGY	GWH	0.5	0.8	0.9	0.9	1.0	0.5	0.2
	FUEL BURN 000	MBTU	7549.	7604.	7279.	7757.	7808.	7998.	7708.
MR5_NGCC968	CAPACITY FACTOR		0.5170	0.5176	0.5145	0.5139	0.5138	0.5162	0.5169
INDEX # 968	CAPACITY	MW	510.00	510.00	510.00	510.00	510.00	510.00	510.00
	AVG HR	MBTU/MWH	11.24	11.24	11.25	11.25	11.25	11.25	11.24
	VAR O&M CST	\$000	12628.	12925.	13132.	13446.	13700.	14061.	14382.
	FIXED COST	\$000	55524.	55524.	55524.	55524.	55524.	55524.	55524.
	FUEL COST	\$000	206717.	210314.	213877.	218670.	223196.	226928.	230050.
	AV VAR CST	\$/MWH	94.97	96.53	98.77	100.83	103.21	104.50	105.85
	GENERATION	GWH	2309.7	2312.6	2298.4	2302.1	2295.3	2306.1	2309.3
	DUMP ENERGY	GWH	9.3	13.4	6.2	9.1	9.8	5.8	3.2
	FUEL BURN 000	MBTU	25970.	25997.	25862.	25909.	25833.	25935.	25965.
RP2TR_KP969	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 969	CAPACITY	MW	200.40	200.40	200.40	200.40	200.40	200.40	200.40
	AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
BS1_Gas 970	CAPACITY FACTOR		0.3055	0.2377	0.2875	0.2865	0.2402	0.2913	0.0000
INDEX # 970	CAPACITY	MW	260.00	260.00	260.00	260.00	260.00	260.00	260.00
	AVG HR	MBTU/MWH	10.11	10.09	10.11	10.11	10.08	10.11	0.00
	VAR O&M CST	\$000	476.	378.	468.	478.	408.	506.	0.
	FIXED COST	\$000	12611.	14005.	13399.	13793.	14187.	17449.	0.
	FUEL COST	\$000	47120.	37072.	45952.	46906.	39955.	49173.	0.
	AV VAR CST	\$/MWH	68.40	69.19	70.90	72.41	73.79	74.87	0.00
	GENERATION	GWH	695.8	541.3	654.7	654.4	547.0	663.5	0.0
	FUEL BURN 000	MBTU	7036.	5461.	6620.	6618.	5514.	6711.	0.
RP2TR_IM971	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 971	CAPACITY	MW	1105.00	1105.00	1105.00	1105.00	1105.00	1105.00	1105.00
	AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
DUMMY_OP972	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 972	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DUMMY_OP973	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 973	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DUMMY_OP974	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 974	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0

02/07/13 15:32:43 V04.0 R03.0

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

2025 2026 2027 2028 2029 2030 2031



SB Output Summary.REP

DUMMY_OP989	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 989	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DUMMY_OP990	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 990	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DUMMY_OP991	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 991	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DUMMY_OP992	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 992	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DUMMY_OP993	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 993	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DUMMY_OP994	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 994	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DUMMY_KP995	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 995	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DUMMY_OP996	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 996	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DUMMY_OP997	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 997	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0

‡ 02/07/13 15:32:43 V04.0 R03.0

NewEnergy Associates  
Strategist Page 86

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

			2025	2026	2027	2028	2029	2030	2031
T4_TRONA998	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 998	CAPACITY	MW	500.00	500.00	500.00	500.00	500.00	500.00	500.00
	AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
DUMMY_OP999	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 999	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0

‡ 02/07/13 15:32:43 V04.0 R03.0

NewEnergy Associates  
Strategist Page 87

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

			2032	2033	2034	2035	2036	2037	2038
AMOS	1	CAPACITY FACTOR	0.7702	0.7712	0.6734	0.7712	0.7163	0.7594	0.7760

SB Output Summary.REP

INDEX #	1	CAPACITY	MW	790.00	790.00	790.00	790.00	790.00	790.00	790.00
		AVG HR	MBTU/MWH	9.68	9.68	9.69	9.68	9.67	9.69	9.67
		VAR O&M CST	\$000	21706.	22135.	19740.	23087.	21953.	23725.	24747.
		FIXED COST	\$000	47148.	45519.	46379.	39685.	33710.	33128.	33602.
		FUEL COST	\$000	233622.	237903.	212355.	247674.	234720.	253910.	263561.
		AV VAR CST	\$/MWH	47.77	48.72	49.81	50.73	51.64	52.83	53.69
		GENERATION	GW	5344.7	5337.3	4659.9	5337.1	4970.7	5255.2	5370.1
		FUEL BURN 000	MBTU	51741.	51661.	45141.	51654.	48057.	50939.	51938.
AMOS INDEX #	2	CAPACITY FACTOR		0.8053	0.7433	0.8025	0.8096	0.8154	0.7993	0.8129
	2	CAPACITY	MW	790.00	790.00	790.00	790.00	790.00	790.00	790.00
		AVG HR	MBTU/MWH	9.50	9.50	9.51	9.50	9.49	9.51	9.50
		VAR O&M CST	\$000	22577.	21224.	23406.	24111.	24867.	24839.	25795.
		FIXED COST	\$000	55336.	57480.	52730.	50490.	51696.	52915.	52821.
		FUEL COST	\$000	239801.	225065.	248419.	255214.	262398.	262184.	271105.
		AV VAR CST	\$/MWH	46.95	47.88	48.94	49.86	50.77	51.89	52.77
		GENERATION	GW	5588.0	5144.3	5553.7	5602.7	5658.4	5531.3	5625.8
		FUEL BURN 000	MBTU	53111.	48873.	52799.	53224.	53715.	52600.	53422.
AMOS OP INDEX #	3	CAPACITY FACTOR		0.7367	0.7474	0.7454	0.8334	0.8341	0.7475	0.8376
	3	CAPACITY	MW	858.00	858.00	858.00	858.00	858.00	858.00	858.00
		AVG HR	MBTU/MWH	9.72	9.71	9.71	9.71	9.70	9.71	9.70
		VAR O&M CST	\$000	22571.	23318.	23752.	27118.	27796.	25374.	29037.
		FIXED COST	\$000	21707.	17021.	15062.	5479.	272.	8997.	1271.
		FUEL COST	\$000	243566.	251146.	255945.	291520.	297989.	271844.	309966.
		AV VAR CST	\$/MWH	47.93	48.86	49.92	50.87	51.82	52.90	53.85
		GENERATION	GW	5552.5	5617.4	5602.7	6263.9	6286.4	5618.5	6295.5
		FUEL BURN 000	MBTU	53950.	54532.	54399.	60798.	61001.	54543.	61082.
BECKJORD INDEX #	6	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	4	CAPACITY	MW	53.00	53.00	53.00	53.00	53.00	53.00	53.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
BIG SAND INDEX #	1	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	5	CAPACITY	MW	278.00	278.00	278.00	278.00	278.00	278.00	278.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
BIG SAND INDEX #	2	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	6	CAPACITY	MW	800.00	800.00	800.00	800.00	800.00	800.00	800.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
CARD 1+2 INDEX #	1	CAPACITY FACTOR		0.6882	0.7847	0.6877	0.7680	0.6899	0.7866	0.6887
	7	CAPACITY	MW	595.00	595.00	595.00	595.00	595.00	595.00	595.00
		AVG HR	MBTU/MWH	9.28	9.28	9.28	9.28	9.28	9.28	9.28
		VAR O&M CST	\$000	16590.	19264.	17243.	19668.	18097.	21020.	18799.
		FIXED COST	\$000	104423.	104333.	107001.	101648.	99123.	97836.	102909.
		FUEL COST	\$000	117364.	136080.	121582.	138370.	126996.	147049.	131082.
		AV VAR CST	\$/MWH	37.24	37.98	38.73	39.48	40.24	40.99	41.75
		GENERATION	GW	3597.0	4089.8	3584.2	4002.7	3605.7	4100.0	3589.7
		FUEL BURN 000	MBTU	33376.	37946.	33257.	37137.	33454.	38038.	33307.
CARD 1+2 INDEX #	2	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	8	CAPACITY	MW	595.00	595.00	595.00	595.00	595.00	595.00	595.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
CARD 3 INDEX #	3	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	9	CAPACITY	MW	620.00	620.00	620.00	620.00	620.00	620.00	620.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
CLINCH R INDEX #	1	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	16	CAPACITY	MW	235.00	235.00	235.00	235.00	235.00	235.00	235.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.



SB Output Summary.REP

CLINCH R	2	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	17	CAPACITY	235.00	235.00	235.00	235.00	235.00	235.00	235.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.
CLINCH R	3	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	18	CAPACITY	235.00	235.00	235.00	235.00	235.00	235.00	235.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.
ROCKP_KP	1	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	19	CAPACITY	203.40	203.40	203.40	203.40	203.40	203.40	203.40
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.
ROCKP_KP	2	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	20	CAPACITY	200.40	200.40	200.40	200.40	200.40	200.40	200.40
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.
CSVL 1-4	3	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	21	CAPACITY	165.00	165.00	165.00	165.00	165.00	165.00	165.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.
CSVL 1-4	4	CAPACITY FACTOR	0.7553	0.8062	0.8112	0.7646	0.8182	0.8172	0.7707
INDEX #	22	CAPACITY	337.00	337.00	337.00	337.00	337.00	337.00	337.00
		AVG HR	9.79	9.79	9.79	9.78	9.78	9.78	9.78
		VAR O&M CST	\$000	11332.	12316.	12655.	12181.	13348.	13580.
		FIXED COST	\$000	54641.	54299.	53825.	51762.	53954.	51995.
		FUEL COST	\$000	96918.	105226.	107925.	113566.	115253.	110652.
		AV VAR CST	\$/MWH	48.41	49.39	50.35	51.42	52.40	54.38
		GENERATION	GWH	2235.9	2379.9	2394.8	2257.3	2422.1	2275.1
		FUEL BURN	000 MBTU	21900.	23303.	23435.	22082.	23683.	22242.

02/07/13 15:32:43 V04.0 R03.0

NewEnergy Associates  
Strategist Page 88

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

			2032	2033	2034	2035	2036	2037	2038
CSVL 5+6	5	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	23	CAPACITY	400.00	400.00	400.00	400.00	400.00	400.00	400.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.
CSVL 5+6	6	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	24	CAPACITY	400.00	400.00	400.00	400.00	400.00	400.00	400.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.
D C COOK	1	CAPACITY FACTOR	0.8510	0.9261	0.8477	0.8311	0.0000	0.0000	0.0000
INDEX #	25	CAPACITY	1084.00	1084.00	1084.00	1084.00	1084.00	1084.00	1084.00
		AVG HR	10.84	10.84	10.84	10.84	0.00	0.00	0.00
		VAR O&M CST	\$000	70721.	79056.	74534.	75270.	0.	0.
		FIXED COST	\$000	379412.	377499.	388787.	2434332.	0.	0.
		FUEL COST	\$000	91532.	102370.	96450.	97257.	0.	0.
		AV VAR CST	\$/MWH	20.02	20.63	21.24	21.86	0.00	0.00
		GENERATION	GWH	8103.1	8794.3	8049.8	7892.5	0.0	0.0
		FUEL BURN	000 MBTU	87870.	95365.	87292.	85586.	0.	0.



SB Output Summary.REP

D C COOK	2	CAPACITY FACTOR		0.9370	0.8589	0.8596	0.9370	0.8595	0.8594	0.0000
INDEX #	26	CAPACITY	MW	1107.00	1107.00	1107.00	1107.00	1107.00	1107.00	1107.00
		AVG HR	MBTU/MWH	10.97	10.97	10.97	10.97	10.97	10.97	0.00
		VAR O&M CST	\$000	79524.	74872.	77185.	86658.	82099.	84324.	0.
		FIXED COST	\$000	374030.	385881.	390063.	311112.	313744.	2549185.	0.
		FUEL COST	\$000	96290.	89882.	91705.	101846.	93762.	93460.	0.
		AV VAR CST	\$/MWH	19.30	19.78	20.26	20.75	21.04	21.33	0.00
		GENERATION	GWH	9111.8	8328.9	8336.1	9086.5	8357.7	8334.2	0.0
		FUEL BURN	000 MBTU	99956.	91368.	91447.	99679.	91684.	91427.	0.
GAVIN	1	CAPACITY FACTOR		0.8307	0.8833	0.8156	0.8842	0.8325	0.8856	0.8156
INDEX #	27	CAPACITY	MW	1320.00	1320.00	1320.00	1320.00	1320.00	1320.00	1320.00
		AVG HR	MBTU/MWH	9.81	9.81	9.81	9.81	9.81	9.81	9.81
		VAR O&M CST	\$000	24337.	26352.	24845.	27507.	26520.	28731.	27024.
		FIXED COST	\$000	23394.	17259.	21098.	7295.	5615.	-650.	6610.
		FUEL COST	\$000	346248.	375157.	353751.	390555.	376290.	406188.	381514.
		AV VAR CST	\$/MWH	38.48	39.31	40.15	40.89	41.73	42.47	43.32
		GENERATION	GWH	9631.4	10213.6	9430.5	10224.3	9652.3	10240.2	9430.6
		FUEL BURN	000 MBTU	94444.	100151.	92467.	100254.	94644.	100406.	92469.
GAVIN	2	CAPACITY FACTOR		0.9057	0.8527	0.9081	0.7117	0.9089	0.8544	0.9096
INDEX #	28	CAPACITY	MW	1320.00	1320.00	1320.00	1320.00	1320.00	1320.00	1320.00
		AVG HR	MBTU/MWH	9.82	9.82	9.82	9.82	9.82	9.82	9.82
		VAR O&M CST	\$000	26555.	25456.	27685.	22155.	28974.	27737.	30158.
		FIXED COST	\$000	117896.	119295.	117682.	119585.	110701.	111521.	113416.
		FUEL COST	\$000	378231.	362824.	394653.	314927.	411578.	392586.	426236.
		AV VAR CST	\$/MWH	38.54	39.38	40.22	40.96	41.81	42.55	43.39
		GENERATION	GWH	10501.8	9859.4	10500.5	8229.0	10538.2	9879.3	10517.3
		FUEL BURN	000 MBTU	103173.	96862.	103155.	80841.	103525.	97053.	103319.
GLEN LYN	5	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	29	CAPACITY	MW	95.00	95.00	95.00	95.00	95.00	95.00	95.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.	0.
GLEN LYN	6	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	30	CAPACITY	MW	240.00	240.00	240.00	240.00	240.00	240.00	240.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.	0.
KAMMER	1	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	33	CAPACITY	MW	210.00	210.00	210.00	210.00	210.00	210.00	210.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.	0.
KAMMER	2	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	34	CAPACITY	MW	210.00	210.00	210.00	210.00	210.00	210.00	210.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.	0.
KAMMER	3	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	35	CAPACITY	MW	210.00	210.00	210.00	210.00	210.00	210.00	210.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.	0.
KANAWHA	1	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	36	CAPACITY	MW	200.00	200.00	200.00	200.00	200.00	200.00	200.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	0.	0.	0.	0.	0.	0.	0.
KANAWHA	2	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	37	CAPACITY	MW	200.00	200.00	200.00	200.00	200.00	200.00	200.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00

SB Output Summary.REP

		GENERATION	GW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
MITCHELL	1	CAPACITY FACTOR		0.8253	0.7593	0.8239	0.7905	0.7294	0.8255	0.8277
INDEX #	43	CAPACITY	MW	614.00	614.00	614.00	614.00	614.00	614.00	614.00
		AVG HR	MBTU/MWH	10.09	10.08	10.09	10.08	10.08	10.08	10.08
		VAR O&M CST	\$000	10338.	9684.	10733.	10516.	9935.	11454.	11729.
		FIXED COST	\$000	99406.	100427.	96566.	91058.	91983.	94270.	97840.
		FUEL COST	\$000	198250.	186348.	207166.	203891.	192089.	220919.	225502.
		AV VAR CST	\$/MWH	46.86	48.00	49.17	50.43	51.36	52.34	53.29
		GENERATION	GW	4451.4	4083.7	4431.4	4251.6	3933.9	4439.9	4451.8
		FUEL BURN 000	MBTU	44900.	41180.	44695.	42876.	39647.	44766.	44878.
MITCHELL	2	CAPACITY FACTOR		0.7393	0.8419	0.8345	0.7352	0.8419	0.8395	0.7421
INDEX #	44	CAPACITY	MW	634.00	634.00	634.00	634.00	634.00	634.00	634.00
		AVG HR	MBTU/MWH	9.62	9.62	9.63	9.62	9.62	9.62	9.62
		VAR O&M CST	\$000	9419.	10924.	11059.	9950.	11668.	11850.	10699.
		FIXED COST	\$000	69981.	67790.	62449.	54976.	52359.	54131.	53289.
		FUEL COST	\$000	174877.	203548.	206767.	186838.	218525.	221355.	199184.
		AV VAR CST	\$/MWH	44.76	45.87	47.00	48.19	49.10	50.02	50.92
		GENERATION	GW	4117.3	4675.9	4634.5	4083.3	4688.5	4662.3	4121.4
		FUEL BURN 000	MBTU	39610.	44980.	44612.	39294.	45103.	44859.	39639.
MOUNT_ER	1	CAPACITY FACTOR		0.8465	0.8800	0.8108	0.8819	0.6751	0.8999	0.8487
INDEX #	45	CAPACITY	MW	1314.00	1314.00	1314.00	1314.00	1314.00	1314.00	1314.00
		AVG HR	MBTU/MWH	9.59	9.59	9.59	9.59	9.58	9.59	9.59
		VAR O&M CST	\$000	41690.	44158.	41567.	46196.	36237.	49213.	47426.
		FIXED COST	\$000	76195.	67427.	68826.	61144.	83593.	59045.	65166.
		FUEL COST	\$000	336779.	355970.	335084.	371308.	290223.	393733.	377893.
		AV VAR CST	\$/MWH	38.74	39.50	40.36	41.13	41.90	42.76	43.54
		GENERATION	GW	9769.9	10128.8	9332.6	10151.0	7791.9	10358.0	9769.0
		FUEL BURN 000	MBTU	93654.	97097.	89456.	97304.	74678.	99287.	93643.

02/07/13 15:32:43 V04.0 R03.0

NewEnergy Associates  
Strategist Page 89

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

		2032	2033	2034	2035	2036	2037	2038
MUSK RVR	1	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	46	CAPACITY	205.00	205.00	205.00	205.00	205.00	205.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00
		GENERATION	GW	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.
MUSK RVR	2	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	47	CAPACITY	205.00	205.00	205.00	205.00	205.00	205.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00
		GENERATION	GW	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.
MUSK RVR	3	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	48	CAPACITY	215.00	215.00	215.00	215.00	215.00	215.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00
		GENERATION	GW	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.
MUSK RVR	4	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	49	CAPACITY	215.00	215.00	215.00	215.00	215.00	215.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00
		GENERATION	GW	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.
MUSK RVR	5	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	50	CAPACITY	600.00	600.00	600.00	600.00	600.00	600.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00
		GENERATION	GW	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.
P SPORN	1	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	51	CAPACITY	150.00	150.00	150.00	150.00	150.00	150.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00

SB Output Summary.REP

		GENERATION	GW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
P SPORN	2	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	52	CAPACITY	MW	150.00	150.00	150.00	150.00	150.00	150.00	150.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
P SPORN	3	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	53	CAPACITY	MW	150.00	150.00	150.00	150.00	150.00	150.00	150.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
P SPORN	4	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	54	CAPACITY	MW	150.00	150.00	150.00	150.00	150.00	150.00	150.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
P SPORN	5	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	55	CAPACITY	MW	450.00	450.00	450.00	450.00	450.00	450.00	450.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
PICWAY	5	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	56	CAPACITY	MW	100.00	100.00	100.00	100.00	100.00	100.00	100.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
RPRUN_IM	1	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	58	CAPACITY	MW	1105.00	1105.00	1105.00	1105.00	1105.00	1105.00	1105.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
ROCKP_IM	2	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	59	CAPACITY	MW	1105.00	1105.00	1105.00	1105.00	1105.00	1105.00	1105.00
		AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.
STUART	1	CAPACITY FACTOR		0.8803	0.8256	0.7454	0.8838	0.8293	0.8303	0.8850
INDEX #	61	CAPACITY	MW	150.00	150.00	150.00	150.00	150.00	150.00	150.00
		AVG HR	MBTU/MWH	9.49	9.49	9.48	9.49	9.49	9.48	9.49
		VAR O&M CST	\$000	4671.	4462.	4115.	4983.	4790.	4884.	5318.
		FIXED COST	\$000	21114.	21438.	21708.	20734.	20868.	20664.	20856.
		FUEL COST	\$000	43536.	41541.	38232.	46326.	44420.	45271.	49251.
		AV VAR CST	\$/MWH	41.56	42.41	43.24	44.18	45.03	45.97	46.93
		GENERATION	GW	1159.9	1084.8	979.4	1161.3	1092.7	1091.0	1162.9
		FUEL BURN 000	MBTU	11006.	10293.	9289.	11016.	10365.	10347.	11031.
STUART	2	CAPACITY FACTOR		0.8316	0.8319	0.8884	0.8329	0.8328	0.8888	0.8326
INDEX #	62	CAPACITY	MW	150.00	150.00	150.00	150.00	150.00	150.00	150.00
		AVG HR	MBTU/MWH	9.61	9.61	9.61	9.61	9.61	9.61	9.61
		VAR O&M CST	\$000	4426.	4509.	4919.	4710.	4824.	5244.	5018.
		FIXED COST	\$000	21230.	21289.	20848.	20873.	20716.	20209.	21005.
		FUEL COST	\$000	41658.	42390.	46169.	44229.	45187.	49100.	46946.
		AV VAR CST	\$/MWH	42.06	42.91	43.76	44.72	45.57	46.53	47.50
		GENERATION	GW	1095.8	1093.1	1167.4	1094.4	1097.4	1167.9	1094.4
		FUEL BURN 000	MBTU	10531.	10505.	11219.	10517.	10545.	11223.	10514.
STUART	3	CAPACITY FACTOR		0.8197	0.8214	0.8761	0.8232	0.8253	0.8781	0.8239
INDEX #	63	CAPACITY	MW	150.00	150.00	150.00	150.00	150.00	150.00	150.00
		AVG HR	MBTU/MWH	9.52	9.52	9.52	9.52	9.52	9.52	9.52
		VAR O&M CST	\$000	4354.	4443.	4841.	4645.	4770.	5170.	4955.
		FIXED COST	\$000	21472.	21543.	21113.	21126.	21014.	20496.	21276.

		SB Output Summary.REP							
	FUEL COST	\$000	40690.	41474.	45119.	43313.	44361.	48070.	46028.
	AV VAR CST	\$/MWH	41.70	42.54	43.40	44.34	45.18	46.14	47.09
	GENERATION	GWH	1080.1	1079.3	1151.3	1081.7	1087.4	1153.9	1082.6
	FUEL BURN	000 MBTU	10286.	10277.	10963.	10299.	10352.	10987.	10308.

02/07/13 15:32:44 V04.0 R03.0

NewEnergy Associates  
Strategist Page 90

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

			2032	2033	2034	2035	2036	2037	2038
STUART	4	CAPACITY FACTOR	0.7397	0.8234	0.8792	0.8248	0.8257	0.8809	0.8262
INDEX #	64	CAPACITY	150.00	150.00	150.00	150.00	150.00	150.00	150.00
		AVG HR	9.66	9.66	9.66	9.66	9.66	9.66	9.66
		VAR O&M CST	3941.	4469.	4873.	4669.	4788.	5203.	4985.
		FIXED COST	21797.	21463.	21034.	21056.	20891.	20380.	21175.
		FUEL COST	37246.	42180.	45928.	44023.	45031.	48912.	46819.
		AV VAR CST	42.26	43.12	43.97	44.93	45.79	46.75	47.72
		GENERATION	974.7	1082.0	1155.3	1083.7	1087.9	1157.5	1085.7
		FUEL BURN	9416.	10452.	11160.	10468.	10508.	11179.	10485.
AMOS AP	3	CAPACITY FACTOR	0.6681	0.6749	0.6691	0.7398	0.7420	0.6547	0.7428
INDEX #	65	CAPACITY	429.00	429.00	429.00	429.00	429.00	429.00	429.00
		AVG HR	9.79	9.78	9.79	9.79	9.79	9.81	9.79
		VAR O&M CST	10256.	10552.	10685.	12067.	12395.	11144.	12908.
		FIXED COST	104881.	104972.	106254.	107510.	107533.	110065.	112670.
		FUEL COST	111271.	114288.	115824.	130576.	133730.	120270.	138695.
		AV VAR CST	48.27	49.22	50.31	51.31	52.26	53.41	54.31
		GENERATION	2517.5	2536.5	2514.5	2780.3	2796.3	2460.4	2791.3
		FUEL BURN	24646.	24815.	24617.	27232.	27376.	24131.	27331.
TANN 1-3	1	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	66	CAPACITY	145.00	145.00	145.00	145.00	145.00	145.00	145.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	0.	0.	0.	0.	0.	0.	0.
TANN 1-3	2	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	67	CAPACITY	145.00	145.00	145.00	145.00	145.00	145.00	145.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	0.	0.	0.	0.	0.	0.	0.
TANN 1-3	3	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	68	CAPACITY	205.00	205.00	205.00	205.00	205.00	205.00	205.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	0.	0.	0.	0.	0.	0.	0.
TANN 4	4	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX #	69	CAPACITY	500.00	500.00	500.00	500.00	500.00	500.00	500.00
		AVG HR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		VAR O&M CST	0.	0.	0.	0.	0.	0.	0.
		FIXED COST	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	0.	0.	0.	0.	0.	0.	0.
		AV VAR CST	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	0.	0.	0.	0.	0.	0.	0.
ZIMMER	1	CAPACITY FACTOR	0.8980	0.7586	0.8976	0.8976	0.8088	0.8999	0.8987
INDEX #	70	CAPACITY	330.00	330.00	330.00	330.00	330.00	330.00	330.00
		AVG HR	9.70	9.70	9.70	9.70	9.70	9.70	9.70
		VAR O&M CST	12312.	10591.	12799.	13071.	12060.	13668.	13941.
		FIXED COST	45162.	47642.	46540.	46293.	48925.	48311.	47564.
		FUEL COST	93833.	80735.	97820.	99831.	92011.	104100.	106237.
		AV VAR CST	40.78	41.64	42.63	43.51	44.39	45.27	46.26
		GENERATION	2603.0	2193.1	2594.9	2594.8	2344.4	2601.5	2598.0
		FUEL BURN	25252.	21269.	25174.	25174.	22742.	25234.	25202.
CEREDO	1	CAPACITY FACTOR	0.6139	0.6770	0.7177	0.4692	0.7091	0.6502	0.6824
INDEX #	75	CAPACITY	86.00	86.00	86.00	86.00	86.00	86.00	86.00
		AVG HR	11.73	11.73	11.73	11.73	11.73	11.73	11.73
		VAR O&M CST	3827.	4300.	4657.	3111.	4816.	4500.	4826.
		FIXED COST	1219.	1237.	1231.	554.	477.	448.	450.
		FUEL COST	50364.	56423.	60752.	40198.	62457.	58292.	62255.
		AV VAR CST	116.85	119.05	120.97	122.51	125.59	128.19	130.48
		GENERATION	463.8	510.1	540.7	353.5	535.7	489.9	514.1
		FUEL BURN	5441.	5985.	6345.	4148.	6285.	5748.	6033.
CEREDO	2	CAPACITY FACTOR	0.5599	0.6274	0.6784	0.5381	0.6977	0.6346	0.6798
INDEX #	76	CAPACITY	86.00	86.00	86.00	86.00	86.00	86.00	86.00
		AVG HR	11.74	11.74	11.74	11.74	11.74	11.74	11.75
		VAR O&M CST	3490.	3985.	4402.	3567.	4739.	4392.	4808.
		FIXED COST	513.	534.	532.	545.	545.	493.	496.

SB Output Summary.REP

INDEX #	UNIT	MBTU/MWH	2032	2033	2034	2035	2036	2037	2038
	FUEL COST	\$000	46020.	52354.	57467.	46814.	61486.	56949.	62083.
	AV VAR CST	\$/MWH	117.05	119.19	121.05	124.28	125.66	128.31	130.60
	GENERATION	GWH	423.0	472.7	511.1	405.4	527.0	478.1	512.2
	DUMP ENERGY	GWH	0.0	0.0	0.0	0.0	0.0	0.2	0.0
	FUEL BURN	000 MBTU	4967.	5551.	6003.	4761.	6190.	5615.	6015.
CEREDO	3	CAPACITY FACTOR	0.5469	0.5183	0.6213	0.4858	0.6465	0.5668	0.5269
INDEX #	77	CAPACITY	86.00	86.00	86.00	86.00	86.00	86.00	86.00
	AVG HR	MBTU/MWH	11.81	11.81	11.81	11.81	11.81	11.81	11.81
	VAR O&M CST	\$000	3409.	3291.	4031.	3220.	4391.	3923.	3726.
	FIXED COST	\$000	601.	625.	629.	686.	649.	588.	594.
	FUEL COST	\$000	45208.	43555.	52962.	42406.	57246.	51181.	48571.
	AV VAR CST	\$/MWH	117.68	119.98	121.77	124.68	126.21	129.05	131.76
	GENERATION	GWH	413.1	390.5	468.1	366.0	488.4	427.0	396.9
	FUEL BURN	000 MBTU	4877.	4610.	5526.	4320.	5766.	5042.	4686.
CEREDO	4	CAPACITY FACTOR	0.4506	0.7603	0.7123	0.7217	0.7489	0.6982	0.6843
INDEX #	78	CAPACITY	86.00	86.00	86.00	86.00	86.00	86.00	86.00
	AVG HR	MBTU/MWH	11.72	11.72	11.72	11.72	11.72	11.72	11.72
	VAR O&M CST	\$000	2809.	4828.	4622.	4784.	5087.	4832.	4840.
	FIXED COST	\$000	576.	448.	464.	426.	433.	417.	415.
	FUEL COST	\$000	37058.	63157.	60223.	62184.	65809.	62403.	62347.
	AV VAR CST	\$/MWH	117.11	118.70	120.84	123.17	125.32	127.83	130.93
	GENERATION	GWH	340.4	572.8	536.6	543.7	565.7	526.0	515.5
	DUMP ENERGY	GWH	0.0	0.0	0.0	0.6	0.0	0.4	0.0
	FUEL BURN	000 MBTU	3990.	6713.	6289.	6372.	6631.	6165.	6042.
CEREDO	5	CAPACITY FACTOR	0.5529	0.6144	0.4747	0.5748	0.6653	0.5943	0.5827
INDEX #	79	CAPACITY	86.00	86.00	86.00	86.00	86.00	86.00	86.00
	AVG HR	MBTU/MWH	11.81	11.81	11.81	11.81	11.81	11.81	11.81
	VAR O&M CST	\$000	3446.	3902.	3080.	3811.	4519.	4114.	4121.
	FIXED COST	\$000	569.	588.	639.	567.	611.	555.	560.
	FUEL COST	\$000	45698.	51503.	40410.	50090.	58921.	53687.	53656.
	AV VAR CST	\$/MWH	117.66	119.69	121.60	124.47	126.23	129.09	131.61
	GENERATION	GWH	417.7	462.9	357.6	433.1	502.6	447.7	439.0
	FUEL BURN	000 MBTU	4931.	5465.	4222.	5113.	5934.	5286.	5183.
CEREDO	6	CAPACITY FACTOR	0.4816	0.3900	0.5440	0.5246	0.6291	0.5314	0.4042
INDEX #	80	CAPACITY	86.00	86.00	86.00	86.00	86.00	86.00	86.00
	AVG HR	MBTU/MWH	11.94	11.94	11.94	11.94	11.94	11.94	11.94
	VAR O&M CST	\$000	3002.	2477.	3530.	3478.	4273.	3678.	2858.
	FIXED COST	\$000	643.	725.	676.	643.	687.	637.	685.
	FUEL COST	\$000	40298.	33272.	46975.	46253.	56408.	48601.	37670.
	AV VAR CST	\$/MWH	119.01	121.67	123.23	125.83	127.69	130.59	133.10
	GENERATION	GWH	363.8	293.8	409.8	395.2	475.2	400.3	304.5
	DUMP ENERGY	GWH	0.0	0.0	0.0	0.0	0.6	0.0	0.2
	FUEL BURN	000 MBTU	4344.	3507.	4893.	4719.	5674.	4779.	3635.
DARBY	1	CAPACITY FACTOR	0.1268	0.1320	0.1295	0.1142	0.1266	0.1274	0.1221
INDEX #	81	CAPACITY	85.00	85.00	85.00	85.00	85.00	85.00	85.00
	AVG HR	MBTU/MWH	11.76	11.76	11.76	11.77	11.76	11.77	11.77
	VAR O&M CST	\$000	806.	855.	856.	772.	877.	899.	880.
	FIXED COST	\$000	435.	437.	447.	516.	456.	488.	440.
	FUEL COST	\$000	10161.	10752.	10733.	9593.	10923.	11157.	10898.
	AV VAR CST	\$/MWH	115.85	118.10	120.23	121.91	124.85	127.10	129.57
	GENERATION	GWH	94.7	98.3	96.4	85.0	94.5	94.9	90.9
	FUEL BURN	000 MBTU	1114.	1156.	1134.	1001.	1112.	1116.	1069.
DARBY	2	CAPACITY FACTOR	0.1188	0.1231	0.1208	0.1074	0.1178	0.1184	0.1132
INDEX #	82	CAPACITY	85.00	85.00	85.00	85.00	85.00	85.00	85.00
	AVG HR	MBTU/MWH	11.76	11.76	11.76	11.76	11.77	11.77	11.77
	VAR O&M CST	\$000	755.	797.	799.	726.	816.	836.	816.
	FIXED COST	\$000	471.	478.	488.	522.	500.	526.	482.
	FUEL COST	\$000	9518.	10028.	10009.	9077.	10161.	10369.	10106.
	AV VAR CST	\$/MWH	115.82	118.07	120.20	122.62	124.82	127.06	129.54
	GENERATION	GWH	88.7	91.7	89.9	79.9	87.9	88.2	84.3
	FUEL BURN	000 MBTU	1043.	1079.	1058.	940.	1035.	1038.	992.
DARBY	3	CAPACITY FACTOR	0.1138	0.1149	0.1125	0.0960	0.1095	0.1098	0.1049
INDEX #	83	CAPACITY	85.00	85.00	85.00	85.00	85.00	85.00	85.00
	AVG HR	MBTU/MWH	11.77	11.76	11.76	11.76	11.77	11.77	11.77
	VAR O&M CST	\$000	723.	744.	744.	649.	758.	775.	756.
	FIXED COST	\$000	499.	516.	527.	604.	542.	565.	519.
	FUEL COST	\$000	9114.	9351.	9322.	8111.	9443.	9611.	9356.
	AV VAR CST	\$/MWH	115.74	118.04	120.18	122.55	124.79	127.03	129.51
	GENERATION	GWH	85.0	85.5	83.8	71.5	81.7	81.8	78.1
	FUEL BURN	000 MBTU	1000.	1006.	985.	841.	962.	962.	919.

02/07/13 15:32:44 V04.0 R03.0

NewEnergy Associates  
Strategist Page

91

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

INDEX #	UNIT	MBTU/MWH	2032	2033	2034	2035	2036	2037	2038
DARBY	4	CAPACITY FACTOR	0.1075	0.1070	0.0951	0.1064	0.1014	0.1018	0.0970
INDEX #	84	CAPACITY	85.00	85.00	85.00	85.00	85.00	85.00	85.00
	AVG HR	MBTU/MWH	11.77	11.77	11.77	11.77	11.77	11.77	11.77
	VAR O&M CST	\$000	683.	693.	629.	719.	702.	718.	699.
	FIXED COST	\$000	529.	551.	600.	564.	581.	597.	559.
	FUEL COST	\$000	8606.	8708.	7848.	8974.	8746.	8910.	8649.
	AV VAR CST	\$/MWH	115.69	118.00	119.73	122.36	124.77	127.00	129.47
	GENERATION	GWH	80.3	79.7	70.8	79.2	75.7	75.6	72.2
	FUEL BURN	000 MBTU	945.	937.	833.	932.	891.	892.	850.
DARBY	5	CAPACITY FACTOR	0.1003	0.0996	0.0890	0.0986	0.0939	0.0942	0.0895
INDEX #	85	CAPACITY	85.00	85.00	85.00	85.00	85.00	85.00	85.00

SB Output Summary.REP

		AVG HR	MBTU/MWH	11.77	11.77	11.76	11.77	11.77	11.77	11.77
		VAR O&M CST	\$000	638.	645.	588.	667.	650.	665.	645.
		FIXED COST	\$000	561.	584.	612.	600.	618.	631.	592.
		FUEL COST	\$000	8027.	8101.	7383.	8318.	8092.	8240.	7977.
		AV VAR CST	\$/MWH	115.66	117.97	120.35	122.33	124.74	126.97	129.44
		GENERATION	GWH	74.9	74.1	66.2	73.4	70.1	70.1	66.6
		FUEL BURN	000 MBTU	881.	872.	779.	864.	825.	825.	784.
DARBY	6	CAPACITY FACTOR		0.0825	0.0816	0.0800	0.0800	0.0760	0.0771	0.0734
INDEX #	86	CAPACITY	MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR	MBTU/MWH	11.76	11.76	11.76	11.76	11.77	11.77	11.77
		VAR O&M CST	\$000	524.	529.	529.	541.	526.	544.	529.
		FIXED COST	\$000	618.	640.	652.	660.	682.	682.	650.
		FUEL COST	\$000	6600.	6645.	6630.	6753.	6551.	6750.	6544.
		AV VAR CST	\$/MWH	115.68	118.01	120.21	122.37	124.76	127.01	129.47
		GENERATION	GWH	61.6	60.8	59.6	59.6	56.7	57.4	54.6
		FUEL BURN	000 MBTU	725.	715.	701.	701.	667.	676.	643.
LWBG WIN	1	CAPACITY FACTOR		0.2518	0.2504	0.2529	0.2529	0.2521	0.2511	0.2560
INDEX #	87	CAPACITY	MW	593.00	593.00	593.00	593.00	593.00	593.00	593.00
		AVG HR	MBTU/MWH	7.10	7.10	7.10	7.10	7.10	7.10	7.09
		VAR O&M CST	\$000	7990.	8094.	8352.	8533.	8715.	8848.	9216.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	85892.	86781.	89197.	90760.	92489.	93535.	97073.
		AV VAR CST	\$/MWH	71.57	72.94	74.25	75.58	77.08	78.48	79.92
		GENERATION	GWH	1311.7	1300.7	1313.7	1313.7	1313.0	1304.6	1329.9
		FUEL BURN	000 MBTU	9313.	9234.	9326.	9324.	9319.	9258.	9433.
LWBG WIN	2	CAPACITY FACTOR		0.3346	0.3327	0.3360	0.3392	0.3378	0.3376	0.3453
INDEX #	88	CAPACITY	MW	593.00	593.00	593.00	593.00	593.00	593.00	593.00
		AVG HR	MBTU/MWH	7.08	7.08	7.08	7.08	7.08	7.08	7.07
		VAR O&M CST	\$000	10249.	10382.	10711.	11049.	11276.	11482.	11999.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	113911.	115085.	118291.	121512.	123720.	125526.	130709.
		AV VAR CST	\$/MWH	71.23	72.60	73.91	75.23	76.71	78.12	79.56
		GENERATION	GWH	1743.0	1728.2	1745.3	1762.1	1759.8	1753.8	1793.7
		FUEL BURN	000 MBTU	12340.	12235.	12354.	12471.	12456.	12411.	12688.
LWBG SMR	1	CAPACITY FACTOR		0.1264	0.1271	0.1281	0.1289	0.1289	0.1306	0.1305
INDEX #	89	CAPACITY	MW	593.00	593.00	593.00	593.00	593.00	593.00	593.00
		AVG HR	MBTU/MWH	7.09	7.09	7.08	7.08	7.08	7.08	7.08
		VAR O&M CST	\$000	4012.	4110.	4231.	4349.	4456.	4600.	4698.
		FIXED COST	\$000	-1669.	-1702.	-1760.	-1818.	-1867.	-2177.	-2239.
		FUEL COST	\$000	41974.	42928.	44045.	45122.	46138.	47495.	48378.
		AV VAR CST	\$/MWH	69.82	71.22	72.55	73.89	75.36	76.81	78.29
		GENERATION	GWH	658.6	660.5	665.4	669.5	671.4	678.2	677.9
		FUEL BURN	000 MBTU	4667.	4680.	4714.	4743.	4756.	4804.	4801.
LWBG SMR	2	CAPACITY FACTOR		0.1431	0.1441	0.1453	0.1464	0.1466	0.1483	0.1489
INDEX #	90	CAPACITY	MW	593.00	593.00	593.00	593.00	593.00	593.00	593.00
		AVG HR	MBTU/MWH	7.08	7.08	7.08	7.07	7.07	7.07	7.07
		VAR O&M CST	\$000	4382.	4497.	4634.	4768.	4893.	5045.	5175.
		FIXED COST	\$000	-2046.	-2093.	-2162.	-2232.	-2294.	-2595.	-2595.
		FUEL COST	\$000	47427.	48585.	49901.	51170.	52403.	53880.	55121.
		AV VAR CST	\$/MWH	69.52	70.91	72.23	73.56	75.03	76.47	77.94
		GENERATION	GWH	745.2	748.6	755.0	760.4	763.7	770.5	773.6
		FUEL BURN	000 MBTU	5274.	5297.	5342.	5380.	5402.	5451.	5471.
WATR CC	1	CAPACITY FACTOR		0.1568	0.1562	0.1577	0.1561	0.1556	0.1547	0.1648
INDEX #	91	CAPACITY	MW	840.00	840.00	840.00	840.00	840.00	840.00	840.00
		AVG HR	MBTU/MWH	7.32	7.32	7.32	7.31	7.31	7.31	7.31
		VAR O&M CST	\$000	6728.	6830.	7044.	7121.	7275.	7369.	8022.
		FIXED COST	\$000	-1260.	-1324.	-1481.	-1916.	-2234.	-1621.	-2055.
		FUEL COST	\$000	78443.	79387.	81521.	82079.	83645.	84333.	91520.
		AV VAR CST	\$/MWH	73.61	74.99	76.32	77.68	79.19	80.57	82.09
		GENERATION	GWH	1157.0	1149.6	1160.5	1148.3	1148.2	1138.1	1212.6
		FUEL BURN	000 MBTU	8468.	8411.	8490.	8399.	8398.	8323.	8867.
WATR2	1	CAPACITY FACTOR		0.1057	0.1058	0.1060	0.1062	0.1056	0.1072	0.1058
INDEX #	92	CAPACITY	MW	840.00	840.00	840.00	840.00	840.00	840.00	840.00
		AVG HR	MBTU/MWH	7.29	7.29	7.29	7.29	7.29	7.29	7.29
		VAR O&M CST	\$000	4536.	4623.	4734.	4845.	4939.	5106.	5150.
		FIXED COST	\$000	-956.	-910.	-902.	-1277.	-1454.	-1235.	-1305.
		FUEL COST	\$000	51351.	52247.	53324.	54400.	55360.	57044.	57397.
		AV VAR CST	\$/MWH	71.64	73.07	74.44	75.84	77.35	78.82	80.35
		GENERATION	GWH	780.1	778.3	779.9	781.2	779.5	788.5	788.5
		FUEL BURN	000 MBTU	5685.	5671.	5683.	5693.	5680.	5746.	5672.
DRESDEN	1	CAPACITY FACTOR		0.4237	0.4225	0.4181	0.4077	0.4058	0.4057	0.6024
INDEX #	93	CAPACITY	MW	625.00	625.00	625.00	625.00	625.00	625.00	625.00
		AVG HR	MBTU/MWH	7.53	7.54	7.54	7.56	7.56	7.58	7.51
		VAR O&M CST	\$000	9634.	9789.	9896.	9859.	10055.	10243.	15542.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	168823.	171120.	172551.	171554.	174307.	177395.	263596.
		AV VAR CST	\$/MWH	76.72	78.20	79.71	81.28	82.76	84.48	84.63
		GENERATION	GWH	2326.0	2313.3	2288.9	2232.0	2227.8	2221.0	3298.2
		DUMP ENERGY	GWH	0.1	0.0	0.0	0.0	0.0	0.0	0.0
		FUEL BURN	000 MBTU	17517.	17434.	17259.	16870.	16839.	16834.	24772.
DRESD2	1	CAPACITY FACTOR		0.1427	0.1424	0.1415	0.1405	0.1508	0.1439	0.1394
INDEX #	94	CAPACITY	MW	625.00	625.00	625.00	625.00	625.00	625.00	625.00
		AVG HR	MBTU/MWH	7.35	7.35	7.36	7.37	7.41	7.41	7.36
		VAR O&M CST	\$000	3244.	3298.	3349.	3397.	3738.	3633.	3595.
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST	\$000	53962.	54785.	55513.	56162.	61938.	60042.	58873.
		AV VAR CST	\$/MWH	73.04	74.51	75.99	77.44	79.30	80.82	81.87
		GENERATION	GWH	783.2	779.5	774.6	769.1	828.2	787.8	763.0
		DUMP ENERGY	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.3



		SB Output Summary.REP								
		FUEL BURN 000	MBTU	5756.	5732.	5701.	5666.	6138.	5837.	5619.
CC_KPCO	953	CAPACITY FACTOR		0.2917	0.2956	0.2949	0.3014	0.2968	0.2938	0.3005
INDEX #	953	CAPACITY	MW	352.00	352.00	352.00	352.00	352.00	352.00	352.00
		AVG HR	MBTU/MWH	6.99	6.99	6.99	6.99	6.99	6.99	6.99
		VAR O&M CST	\$000	5359.	5531.	5639.	5888.	5941.	5991.	6262.
		FIXED COST	\$000	10823.	11134.	11456.	11786.	12126.	12480.	12844.
		FUEL COST	\$000	57768.	59501.	60419.	62914.	63295.	63597.	66293.
		AV VAR CST	\$/MWH	69.98	71.35	72.64	74.03	75.44	76.82	78.31
		GENERATION	GWH	902.1	911.5	909.4	929.4	917.8	905.8	926.5
		FUEL BURN 000	MBTU	6303.	6371.	6354.	6499.	6416.	6331.	6478.
CT_KPCO	954	CAPACITY FACTOR		0.1570	0.1573	0.1593	0.1567	0.1568	0.1584	0.1590
INDEX #	954	CAPACITY	MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR	MBTU/MWH	12.17	12.16	12.17	12.17	12.16	12.16	12.16
		VAR O&M CST	\$000	1652.	1686.	1745.	1754.	1798.	1851.	1899.
		FIXED COST	\$000	1323.	1361.	1400.	1440.	1482.	1525.	1570.
		FUEL COST	\$000	13045.	13286.	13694.	13715.	14029.	14393.	14721.
		AV VAR CST	\$/MWH	125.37	127.84	130.18	132.58	135.19	137.70	140.35
		GENERATION	GWH	117.2	117.1	118.6	116.7	117.1	118.0	118.4
		FUEL BURN 000	MBTU	1426.	1425.	1443.	1419.	1424.	1435.	1441.
CT_KPCO	955	CAPACITY FACTOR		0.1069	0.1063	0.1076	0.1049	0.1059	0.1071	0.1070
INDEX #	955	CAPACITY	MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR	MBTU/MWH	12.16	12.16	12.17	12.16	12.16	12.16	12.17
		VAR O&M CST	\$000	1125.	1139.	1179.	1174.	1215.	1251.	1277.
		FIXED COST	\$000	1323.	1361.	1400.	1440.	1482.	1525.	1570.
		FUEL COST	\$000	8883.	8979.	9258.	9185.	9480.	9728.	9906.
		AV VAR CST	\$/MWH	125.39	127.87	130.21	132.61	135.24	137.74	140.39
		GENERATION	GWH	79.8	79.1	80.2	78.1	79.1	79.7	79.7
		FUEL BURN 000	MBTU	971.	963.	975.	950.	962.	970.	969.
CT_KPCO	956	CAPACITY FACTOR		0.0674	0.0665	0.0669	0.0650	0.0664	0.0662	0.0659
INDEX #	956	CAPACITY	MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR	MBTU/MWH	12.17	12.16	12.16	12.17	12.17	12.16	12.17
		VAR O&M CST	\$000	709.	713.	733.	727.	762.	774.	787.
		FIXED COST	\$000	1323.	1361.	1400.	1440.	1482.	1525.	1570.
		FUEL COST	\$000	5602.	5621.	5758.	5692.	5948.	6025.	6104.
		AV VAR CST	\$/MWH	125.45	127.92	130.28	132.65	135.31	137.82	140.47
		GENERATION	GWH	50.3	49.5	49.8	48.4	49.6	49.3	49.1
		FUEL BURN 000	MBTU	612.	602.	606.	589.	603.	600.	597.
CT_KPCO	957	CAPACITY FACTOR		0.0392	0.0384	0.0380	0.0371	0.0385	0.0372	0.0366
INDEX #	957	CAPACITY	MW	85.00	85.00	85.00	85.00	85.00	85.00	85.00
		AVG HR	MBTU/MWH	12.17	12.17	12.17	12.17	12.16	12.16	12.16
		VAR O&M CST	\$000	413.	412.	417.	415.	442.	434.	437.
		FIXED COST	\$000	1323.	1361.	1400.	1440.	1482.	1525.	1570.
		FUEL COST	\$000	3263.	3247.	3277.	3252.	3452.	3385.	3397.
		AV VAR CST	\$/MWH	125.53	127.99	130.38	132.70	135.40	137.96	140.61
		GENERATION	GWH	29.3	28.6	28.3	27.6	28.8	27.7	27.3
		FUEL BURN 000	MBTU	356.	348.	345.	336.	350.	337.	332.

02/07/13 15:32:44 V04.0 R03.0

NewEnergy Associates  
Strategist Page 92

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

		2032	2033	2034	2035	2036	2037	2038	
BS_BF50	958	CAPACITY FACTOR	0.5750	0.5836	0.5879	0.5792	0.6009	0.6047	0.6038
INDEX #	958	CAPACITY	MW	381.00	381.00	381.00	381.00	381.00	381.00
		AVG HR	MBTU/MWH	6.80	6.80	6.80	6.81	6.80	6.80
		VAR O&M CST	\$000	8336.	8620.	8872.	8931.	9493.	9734.
		FIXED COST	\$000	31803.	31803.	31803.	31803.	31803.	31803.
		FUEL COST	\$000	110132.	113495.	116350.	116866.	123910.	126728.
		AV VAR CST	\$/MWH	61.56	62.69	63.82	65.07	66.33	67.62
		GENERATION	GWH	1924.4	1947.9	1962.1	1933.2	2011.1	2018.2
		FUEL BURN 000	MBTU	13090.	13249.	13340.	13159.	13670.	13716.
RP2D_KP	959	CAPACITY FACTOR	0.5565	0.4839	0.5425	0.4140	0.4936	0.5254	0.4734
INDEX #	959	CAPACITY	MW	200.40	200.40	200.40	200.40	200.40	200.40
		AVG HR	MBTU/MWH	9.69	9.69	9.69	9.69	9.69	9.69
		VAR O&M CST	\$000	10572.	9418.	10847.	8504.	10436.	11382.
		FIXED COST	\$000	11420.	11833.	12251.	12674.	13102.	13189.
		FUEL COST	\$000	42213.	37590.	43248.	33844.	41394.	44919.
		AV VAR CST	\$/MWH	53.88	55.34	56.80	58.27	59.65	61.04
		GENERATION	GWH	979.6	849.4	922.3	726.7	868.9	922.3
		FUEL BURN 000	MBTU	9492.	8230.	9228.	7041.	8419.	8937.
RP2D_IM	960	CAPACITY FACTOR	0.8212	0.7709	0.8102	0.7352	0.6106	0.8080	0.6872
INDEX #	960	CAPACITY	MW	1090.00	1090.00	1090.00	1090.00	1090.00	1090.00
		AVG HR	MBTU/MWH	9.71	9.72	9.72	9.73	9.72	9.71
		VAR O&M CST	\$000	13170.	12478.	13347.	12259.	10379.	13851.
		FIXED COST	\$000	58273.	58936.	58995.	61127.	65968.	62501.
		FUEL COST	\$000	248750.	237906.	255351.	236846.	200354.	269667.
		AV VAR CST	\$/MWH	33.31	34.01	34.73	35.48	36.05	36.75
		GENERATION	GWH	7862.4	7361.2	7735.8	7020.1	5846.1	7714.7
		FUEL BURN 000	MBTU	76381.	71516.	75179.	68330.	56815.	74986.
CSV6_SCR961	961	CAPACITY FACTOR	0.6500	0.7423	0.5800	0.7072	0.7042	0.7510	0.6415
INDEX #	961	CAPACITY	MW	391.00	391.00	391.00	391.00	391.00	391.00
		AVG HR	MBTU/MWH	10.36	10.34	10.33	10.33	10.33	10.32
		VAR O&M CST	\$000	10390.	12080.	9639.	12005.	12243.	13301.
		FIXED COST	\$000	98442.	104761.	115095.	120985.	129075.	136232.
		FUEL COST	\$000	99782.	115811.	92279.	114787.	116834.	126641.
		AV VAR CST	\$/MWH	49.35	50.30	51.30	52.34	53.37	54.40
		GENERATION	GWH	2232.5	2542.5	1986.5	2422.4	2418.7	2572.4

SB Output Summary.REP

		FUEL BURN 000	MBTU	23119.	26287.	20524.	25030.	24989.	26574.	22671.
CSV5_SCR962	CAPACITY FACTOR		0.6476	0.6929	0.7030	0.5614	0.7048	0.7074	0.6348	
INDEX # 962	CAPACITY	MW	391.00	391.00	391.00	391.00	391.00	391.00	391.00	391.00
	AVG HR	MBTU/MWH	10.66	10.67	10.67	10.65	10.66	10.66	10.66	10.64
	VAR O&M CST	\$000	10423.	11359.	11770.	9597.	12345.	12620.	11562.	
	FIXED COST	\$000	86406.	92438.	99091.	108481.	113141.	120196.	129040.	
	FUEL COST	\$000	102384.	111544.	115452.	93934.	120683.	123084.	112356.	
	AV VAR CST	\$/MWH	50.72	51.78	52.84	53.84	54.95	56.01	57.00	
	GENERATION	GWH	2224.3	2373.3	2407.8	1922.8	2420.8	2423.1	2174.1	
	FUEL BURN 000	MBTU	23720.	25316.	25680.	20482.	25811.	25828.	23139.	
DUMMY_OP963	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 963	CAPACITY	MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP1D_KP 964	CAPACITY FACTOR		0.7589	0.7625	0.7192	0.7599	0.7228	0.7679	0.6688	
INDEX # 964	CAPACITY	MW	203.40	203.40	203.40	203.40	203.40	203.40	203.40	203.40
	AVG HR	MBTU/MWH	9.65	9.65	9.65	9.65	9.65	9.65	9.65	9.65
	VAR O&M CST	\$000	15390.	15751.	15161.	16363.	15926.	17238.	15336.	
	FIXED COST	\$000	19771.	20181.	20595.	21014.	21439.	21808.	21990.	
	FUEL COST	\$000	44568.	45705.	44222.	47899.	46555.	50249.	44685.	
	AV VAR CST	\$/MWH	44.22	45.23	46.34	47.46	48.38	49.32	50.37	
	GENERATION	GWH	1355.9	1358.6	1281.5	1354.0	1291.3	1368.3	1191.7	
	FUEL BURN 000	MBTU	13082.	13108.	12364.	13064.	12458.	13201.	11497.	
RP1D_03 965	CAPACITY FACTOR		0.5845	0.6124	0.5535	0.4285	0.5734	0.5112	0.5638	
INDEX # 965	CAPACITY	MW	1090.00	1090.00	1090.00	1090.00	1090.00	1090.00	1090.00	1090.00
	AVG HR	MBTU/MWH	9.77	9.77	9.79	9.80	9.80	9.82	9.80	
	VAR O&M CST	\$000	67031.	71277.	65588.	51675.	70546.	63849.	71711.	
	FIXED COST	\$000	63106.	67693.	62989.	68040.	64257.	57962.	55995.	
	FUEL COST	\$000	178025.	190127.	175750.	139037.	189685.	172419.	193516.	
	AV VAR CST	\$/MWH	43.79	44.70	45.66	46.61	47.40	48.41	49.27	
	GENERATION	GWH	5596.1	5847.9	5285.3	4091.3	5490.0	4880.9	5363.6	
	DUMP ENERGY	GWH	3.4	2.0	2.3	1.3	0.0	0.4	0.5	
	FUEL BURN 000	MBTU	54660.	57149.	51737.	40104.	53787.	47937.	52780.	
CR2_NGCC966	CAPACITY FACTOR		0.3550	0.3687	0.3532	0.3465	0.3514	0.3486	0.3262	
INDEX # 966	CAPACITY	MW	212.00	212.00	212.00	212.00	212.00	212.00	212.00	212.00
	AVG HR	MBTU/MWH	10.93	11.00	11.02	11.03	11.15	11.13	11.13	11.13
	VAR O&M CST	\$000	4917.	5209.	5099.	5111.	5322.	5376.	5138.	
	FIXED COST	\$000	23080.	23080.	23080.	23080.	23080.	23080.	23080.	
	FUEL COST	\$000	66526.	70637.	68974.	69020.	72207.	72649.	69292.	
	AV VAR CST	\$/MWH	108.07	110.78	112.92	115.20	118.49	120.53	122.87	
	GENERATION	GWH	661.1	684.7	656.0	643.5	654.3	647.4	605.7	
	DUMP ENERGY	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.7	
	FUEL BURN 000	MBTU	7226.	7534.	7225.	7101.	7292.	7206.	6739.	
CRI_NGCC967	CAPACITY FACTOR		0.4029	0.4057	0.4027	0.3806	0.3949	0.3835	0.3699	
INDEX # 967	CAPACITY	MW	212.00	212.00	212.00	212.00	212.00	212.00	212.00	212.00
	AVG HR	MBTU/MWH	10.66	10.69	10.74	10.71	10.83	10.82	10.81	
	VAR O&M CST	\$000	5545.	5691.	5776.	5572.	5938.	5872.	5784.	
	FIXED COST	\$000	23080.	23080.	23080.	23080.	23080.	23080.	23080.	
	FUEL COST	\$000	73571.	75506.	76593.	73567.	78814.	77626.	76272.	
	AV VAR CST	\$/MWH	105.44	107.77	110.13	111.98	115.25	117.25	119.46	
	GENERATION	GWH	750.3	753.4	747.9	706.8	735.4	712.2	686.9	
	DUMP ENERGY	GWH	0.0	0.0	0.2	0.0	0.0	0.0	0.0	
	FUEL BURN 000	MBTU	7995.	8056.	8029.	7571.	7965.	7703.	7425.	
MR5_NGCC968	CAPACITY FACTOR		0.5170	0.5168	0.5161	0.5152	0.5150	0.5159	0.5131	
INDEX # 968	CAPACITY	MW	510.00	510.00	510.00	510.00	510.00	510.00	510.00	510.00
	AVG HR	MBTU/MWH	11.24	11.24	11.25	11.25	11.25	11.25	11.25	11.25
	VAR O&M CST	\$000	14733.	15000.	15305.	15605.	15981.	16309.	16574.	
	FIXED COST	\$000	55524.	55524.	55524.	55524.	55524.	55524.	55524.	
	FUEL COST	\$000	233336.	235439.	238054.	240518.	243969.	246480.	248468.	
	AV VAR CST	\$/MWH	107.10	108.48	109.87	111.28	112.68	114.02	115.61	
	GENERATION	GWH	2316.1	2308.6	2305.9	2301.6	2307.1	2304.7	2292.5	
	DUMP ENERGY	GWH	6.7	4.1	5.1	4.0	4.4	1.7	2.7	
	FUEL BURN 000	MBTU	26042.	25958.	25932.	25890.	25954.	25918.	25801.	
RP2TR_KP969	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 969	CAPACITY	MW	200.40	200.40	200.40	200.40	200.40	200.40	200.40	200.40
	AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
	FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.	0.
BS1_Gas 970	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 970	CAPACITY	MW	260.00	260.00	260.00	260.00	260.00	260.00	260.00	260.00
	AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
	FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION	GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FUEL BURN 000	MBTU	0.	0.	0.	0.	0.	0.	0.	0.
RP2TR_IM971	CAPACITY FACTOR		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 971	CAPACITY	MW	1105.00	1105.00	1105.00	1105.00	1105.00	1105.00	1105.00	1105.00
	AVG HR	MBTU/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.







SB Output Summary.REP

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

		2032	2033	2034	2035	2036	2037	2038
T4_TRONA998	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 998	CAPACITY	500.00	500.00	500.00	500.00	500.00	500.00	500.00
	AVG HR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	VAR O&M CST \$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST \$000	0.	0.	0.	0.	0.	0.	0.
	FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FUEL BURN 000 MBTU	0.	0.	0.	0.	0.	0.	0.
DUMMY_OP999	CAPACITY FACTOR	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INDEX # 999	CAPACITY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	AVG HR	0.	0.	0.	0.	0.	0.	0.
	VAR O&M CST \$000	0.	0.	0.	0.	0.	0.	0.
	FIXED COST \$000	0.	0.	0.	0.	0.	0.	0.
	AV VAR CST \$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GENERATION GWH	0.0	0.0	0.0	0.0	0.0	0.0	0.0

‡ 02/07/13 15:32:44 V04.0 R03.0

NewEnergy Associates  
Strategist Page 95

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

		2039	2040
AMOS	1 CAPACITY FACTOR	0.7668	0.7541
INDEX #	1 CAPACITY	790.00	790.00
	AVG HR	9.68	9.70
	VAR O&M CST \$000	24987.	25178.
	FIXED COST \$000	35473.	257313.
	FUEL COST \$000	265904.	267703.
	AV VAR CST \$/MWH	54.81	55.96
	GENERATION GWH	5306.9	5233.3
	FUEL BURN 000 MBTU	51389.	50756.
AMOS	2 CAPACITY FACTOR	0.8044	0.8007
INDEX #	2 CAPACITY	790.00	790.00
	AVG HR	9.50	9.51
	VAR O&M CST \$000	26075.	26586.
	FIXED COST \$000	53882.	366185.
	FUEL COST \$000	273751.	278630.
	AV VAR CST \$/MWH	53.86	54.93
	GENERATION GWH	5566.9	5556.2
	FUEL BURN 000 MBTU	52907.	52825.
AMOS_OP	3 CAPACITY FACTOR	0.7535	0.8397
INDEX #	3 CAPACITY	858.00	858.00
	AVG HR	9.70	9.70
	VAR O&M CST \$000	26679.	30448.
	FIXED COST \$000	8537.	254528.
	FUEL COST \$000	284309.	323736.
	AV VAR CST \$/MWH	54.91	55.97
	GENERATION GWH	5663.7	6328.5
	FUEL BURN 000 MBTU	54952.	61380.
BECKJORD	6 CAPACITY FACTOR	0.0000	0.0000
INDEX #	4 CAPACITY	53.00	53.00
	AVG HR	0.00	0.00
	VAR O&M CST \$000	0.	0.
	FIXED COST \$000	0.	0.
	FUEL COST \$000	0.	0.
	AV VAR CST \$/MWH	0.00	0.00
	GENERATION GWH	0.0	0.0
	FUEL BURN 000 MBTU	0.	0.
BIG SAND	1 CAPACITY FACTOR	0.0000	0.0000
INDEX #	5 CAPACITY	278.00	278.00
	AVG HR	0.00	0.00
	VAR O&M CST \$000	0.	0.
	FIXED COST \$000	0.	0.
	FUEL COST \$000	0.	0.
	AV VAR CST \$/MWH	0.00	0.00
	GENERATION GWH	0.0	0.0
	FUEL BURN 000 MBTU	0.	0.
BIG SAND	2 CAPACITY FACTOR	0.0000	0.0000
INDEX #	6 CAPACITY	800.00	800.00
	AVG HR	0.00	0.00
	VAR O&M CST \$000	0.	0.
	FIXED COST \$000	0.	0.
	FUEL COST \$000	0.	0.
	AV VAR CST \$/MWH	0.00	0.00
	GENERATION GWH	0.0	0.0
	FUEL BURN 000 MBTU	0.	0.
CARD 1+2	1 CAPACITY FACTOR	0.6884	0.7688
INDEX #	7 CAPACITY	595.00	595.00
	AVG HR	9.28	9.28
	VAR O&M CST \$000	19193.	21953.
	FIXED COST \$000	105569.	359747.
	FUEL COST \$000	133348.	152303.

SB Output Summary.REP

		AV VAR CST	\$/MWH	42.51	43.37
		GENERATION	GW	3588.1	4017.9
		FUEL BURN 000	MBTU	33292.	37278.
CARD 1+2	2	CAPACITY FACTOR		0.0000	0.0000
INDEX #	8	CAPACITY	MW	595.00	595.00
		AVG HR	MBTU/MWH	0.00	0.00
		VAR O&M CST	\$000	0.	0.
		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00
		GENERATION	GW	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.
CARD 3	3	CAPACITY FACTOR		0.0000	0.0000
INDEX #	9	CAPACITY	MW	620.00	620.00
		AVG HR	MBTU/MWH	0.00	0.00
		VAR O&M CST	\$000	0.	0.
		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00
		GENERATION	GW	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.
CLINCH R	1	CAPACITY FACTOR		0.0000	0.0000
INDEX #	16	CAPACITY	MW	235.00	235.00
		AVG HR	MBTU/MWH	0.00	0.00
		VAR O&M CST	\$000	0.	0.
		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00
		GENERATION	GW	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.
CLINCH R	2	CAPACITY FACTOR		0.0000	0.0000
INDEX #	17	CAPACITY	MW	235.00	235.00
		AVG HR	MBTU/MWH	0.00	0.00
		VAR O&M CST	\$000	0.	0.
		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00
		GENERATION	GW	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.
CLINCH R	3	CAPACITY FACTOR		0.0000	0.0000
INDEX #	18	CAPACITY	MW	235.00	235.00
		AVG HR	MBTU/MWH	0.00	0.00
		VAR O&M CST	\$000	0.	0.
		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00
		GENERATION	GW	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.
ROCKP_KP	1	CAPACITY FACTOR		0.0000	0.0000
INDEX #	19	CAPACITY	MW	203.40	203.40
		AVG HR	MBTU/MWH	0.00	0.00
		VAR O&M CST	\$000	0.	0.
		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00
		GENERATION	GW	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.
ROCKP_KP	2	CAPACITY FACTOR		0.0000	0.0000
INDEX #	20	CAPACITY	MW	200.40	200.40
		AVG HR	MBTU/MWH	0.00	0.00
		VAR O&M CST	\$000	0.	0.
		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00
		GENERATION	GW	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.
CSVL 1-4	3	CAPACITY FACTOR		0.0000	0.0000
INDEX #	21	CAPACITY	MW	165.00	165.00
		AVG HR	MBTU/MWH	0.00	0.00
		VAR O&M CST	\$000	0.	0.
		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00
		GENERATION	GW	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.
CSVL 1-4	4	CAPACITY FACTOR		0.8241	0.7757
INDEX #	22	CAPACITY	MW	337.00	337.00
		AVG HR	MBTU/MWH	9.77	9.77
		VAR O&M CST	\$000	14282.	13767.
		FIXED COST	\$000	52876.	359758.
		FUEL COST	\$000	120652.	116098.
		AV VAR CST	\$/MWH	55.46	56.56
		GENERATION	GW	2432.8	2296.2
		FUEL BURN 000	MBTU	23775.	22436.

‡ 02/07/13 15:32:44 V04.0 R03.0

NewEnergy Associates  
Strategist Page

96

AEP EAST  
GENERATION AND FUEL MODULE

SB Output Summary.REP  
UNIT REPORT

		2039	2040
CSVL 5+6	5 CAPACITY FACTOR	0.0000	0.0000
INDEX # 23	CAPACITY MW	400.00	400.00
	AVG HR MBTU/MWH	0.00	0.00
	VAR O&M CST \$000	0.	0.
	FIXED COST \$000	0.	0.
	FUEL COST \$000	0.	0.
	AV VAR CST \$/MWH	0.00	0.00
	GENERATION GWH	0.0	0.0
	FUEL BURN 000 MBTU	0.	0.
CSVL 5+6	6 CAPACITY FACTOR	0.0000	0.0000
INDEX # 24	CAPACITY MW	400.00	400.00
	AVG HR MBTU/MWH	0.00	0.00
	VAR O&M CST \$000	0.	0.
	FIXED COST \$000	0.	0.
	FUEL COST \$000	0.	0.
	AV VAR CST \$/MWH	0.00	0.00
	GENERATION GWH	0.0	0.0
	FUEL BURN 000 MBTU	0.	0.
D C COOK	1 CAPACITY FACTOR	0.0000	0.0000
INDEX # 25	CAPACITY MW	1084.00	1084.00
	AVG HR MBTU/MWH	0.00	0.00
	VAR O&M CST \$000	0.	0.
	FIXED COST \$000	0.	0.
	FUEL COST \$000	0.	0.
	AV VAR CST \$/MWH	0.00	0.00
	GENERATION GWH	0.0	0.0
	FUEL BURN 000 MBTU	0.	0.
D C COOK	2 CAPACITY FACTOR	0.0000	0.0000
INDEX # 26	CAPACITY MW	1107.00	1107.00
	AVG HR MBTU/MWH	0.00	0.00
	VAR O&M CST \$000	0.	0.
	FIXED COST \$000	0.	0.
	FUEL COST \$000	0.	0.
	AV VAR CST \$/MWH	0.00	0.00
	GENERATION GWH	0.0	0.0
	FUEL BURN 000 MBTU	0.	0.
GAVIN	1 CAPACITY FACTOR	0.8857	0.8336
INDEX # 27	CAPACITY MW	1320.00	1320.00
	AVG HR MBTU/MWH	9.81	9.81
	VAR O&M CST \$000	29970.	28885.
	FIXED COST \$000	-2273.	429776.
	FUEL COST \$000	422326.	405212.
	AV VAR CST \$/MWH	44.16	44.91
	GENERATION GWH	10242.0	9665.7
	FUEL BURN 000 MBTU	100425.	94774.
GAVIN	2 CAPACITY FACTOR	0.8369	0.9109
INDEX # 28	CAPACITY MW	1320.00	1320.00
	AVG HR MBTU/MWH	9.82	9.82
	VAR O&M CST \$000	28337.	31584.
	FIXED COST \$000	116537.	670078.
	FUEL COST \$000	399769.	443574.
	AV VAR CST \$/MWH	44.24	44.99
	GENERATION GWH	9677.6	10561.7
	FUEL BURN 000 MBTU	95071.	103752.
GLEN LYN	5 CAPACITY FACTOR	0.0000	0.0000
INDEX # 29	CAPACITY MW	95.00	95.00
	AVG HR MBTU/MWH	0.00	0.00
	VAR O&M CST \$000	0.	0.
	FIXED COST \$000	0.	0.
	FUEL COST \$000	0.	0.
	AV VAR CST \$/MWH	0.00	0.00
	GENERATION GWH	0.0	0.0
	FUEL BURN 000 MBTU	0.	0.
GLEN LYN	6 CAPACITY FACTOR	0.0000	0.0000
INDEX # 30	CAPACITY MW	240.00	240.00
	AVG HR MBTU/MWH	0.00	0.00
	VAR O&M CST \$000	0.	0.
	FIXED COST \$000	0.	0.
	FUEL COST \$000	0.	0.
	AV VAR CST \$/MWH	0.00	0.00
	GENERATION GWH	0.0	0.0
	FUEL BURN 000 MBTU	0.	0.
KAMMER	1 CAPACITY FACTOR	0.0000	0.0000
INDEX # 33	CAPACITY MW	210.00	210.00
	AVG HR MBTU/MWH	0.00	0.00
	VAR O&M CST \$000	0.	0.
	FIXED COST \$000	0.	0.
	FUEL COST \$000	0.	0.
	AV VAR CST \$/MWH	0.00	0.00
	GENERATION GWH	0.0	0.0
	FUEL BURN 000 MBTU	0.	0.
KAMMER	2 CAPACITY FACTOR	0.0000	0.0000
INDEX # 34	CAPACITY MW	210.00	210.00
	AVG HR MBTU/MWH	0.00	0.00
	VAR O&M CST \$000	0.	0.

SB Output Summary.REP

		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00
		GENERATION	GW	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.
KAMMER	3	CAPACITY FACTOR		0.0000	0.0000
INDEX #	35	CAPACITY	MW	210.00	210.00
		AVG HR	MBTU/MWH	0.00	0.00
		VAR O&M CST	\$000	0.	0.
		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00
		GENERATION	GW	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.
KANAWHA	1	CAPACITY FACTOR		0.0000	0.0000
INDEX #	36	CAPACITY	MW	200.00	200.00
		AVG HR	MBTU/MWH	0.00	0.00
		VAR O&M CST	\$000	0.	0.
		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00
		GENERATION	GW	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.
KANAWHA	2	CAPACITY FACTOR		0.0000	0.0000
INDEX #	37	CAPACITY	MW	200.00	200.00
		AVG HR	MBTU/MWH	0.00	0.00
		VAR O&M CST	\$000	0.	0.
		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00
		GENERATION	GW	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.
MITCHELL	1	CAPACITY FACTOR		0.7350	0.8321
INDEX #	43	CAPACITY	MW	614.00	614.00
		AVG HR	MBTU/MWH	10.07	10.08
		VAR O&M CST	\$000	10635.	12331.
		FIXED COST	\$000	97461.	498408.
		FUEL COST	\$000	203677.	235793.
		AV VAR CST	\$/MWH	54.21	55.29
		GENERATION	GW	3953.3	4488.0
		FUEL BURN 000	MBTU	39821.	45219.
MITCHELL	2	CAPACITY FACTOR		0.8448	0.8440
INDEX #	44	CAPACITY	MW	634.00	634.00
		AVG HR	MBTU/MWH	9.62	9.62
		VAR O&M CST	\$000	12438.	12727.
		FIXED COST	\$000	53713.	236058.
		FUEL COST	\$000	230781.	235724.
		AV VAR CST	\$/MWH	51.84	52.86
		GENERATION	GW	4691.7	4700.4
		FUEL BURN 000	MBTU	45121.	45209.
MOUNT_ER	1	CAPACITY FACTOR		0.9020	0.8487
INDEX #	45	CAPACITY	MW	1314.00	1314.00
		AVG HR	MBTU/MWH	9.59	9.58
		VAR O&M CST	\$000	51503.	49653.
		FIXED COST	\$000	61219.	511774.
		FUEL COST	\$000	408559.	392967.
		AV VAR CST	\$/MWH	44.31	45.18
		GENERATION	GW	10382.3	9795.8
		FUEL BURN 000	MBTU	99516.	93891.

‡ 02/07/13 15:32:44 V04.0 R03.0

NewEnergy Associates  
Strategist Page

97

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

				2039	2040
MUSK RVR	1	CAPACITY FACTOR		0.0000	0.0000
INDEX #	46	CAPACITY	MW	205.00	205.00
		AVG HR	MBTU/MWH	0.00	0.00
		VAR O&M CST	\$000	0.	0.
		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00
		GENERATION	GW	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.
MUSK RVR	2	CAPACITY FACTOR		0.0000	0.0000
INDEX #	47	CAPACITY	MW	205.00	205.00
		AVG HR	MBTU/MWH	0.00	0.00
		VAR O&M CST	\$000	0.	0.
		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00
		GENERATION	GW	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.
MUSK RVR	3	CAPACITY FACTOR		0.0000	0.0000
INDEX #	48	CAPACITY	MW	215.00	215.00
		AVG HR	MBTU/MWH	0.00	0.00
		VAR O&M CST	\$000	0.	0.

SB Output Summary.REP

		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00
		GENERATION	GWH	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.
MUSK RVR	4	CAPACITY FACTOR		0.0000	0.0000
INDEX #	49	CAPACITY	MW	215.00	215.00
		AVG HR	MBTU/MWH	0.00	0.00
		VAR O&M CST	\$000	0.	0.
		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00
		GENERATION	GWH	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.
MUSK RVR	5	CAPACITY FACTOR		0.0000	0.0000
INDEX #	50	CAPACITY	MW	600.00	600.00
		AVG HR	MBTU/MWH	0.00	0.00
		VAR O&M CST	\$000	0.	0.
		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00
		GENERATION	GWH	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.
P SPORN	1	CAPACITY FACTOR		0.0000	0.0000
INDEX #	51	CAPACITY	MW	150.00	150.00
		AVG HR	MBTU/MWH	0.00	0.00
		VAR O&M CST	\$000	0.	0.
		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00
		GENERATION	GWH	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.
P SPORN	2	CAPACITY FACTOR		0.0000	0.0000
INDEX #	52	CAPACITY	MW	150.00	150.00
		AVG HR	MBTU/MWH	0.00	0.00
		VAR O&M CST	\$000	0.	0.
		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00
		GENERATION	GWH	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.
P SPORN	3	CAPACITY FACTOR		0.0000	0.0000
INDEX #	53	CAPACITY	MW	150.00	150.00
		AVG HR	MBTU/MWH	0.00	0.00
		VAR O&M CST	\$000	0.	0.
		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00
		GENERATION	GWH	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.
P SPORN	4	CAPACITY FACTOR		0.0000	0.0000
INDEX #	54	CAPACITY	MW	150.00	150.00
		AVG HR	MBTU/MWH	0.00	0.00
		VAR O&M CST	\$000	0.	0.
		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00
		GENERATION	GWH	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.
P SPORN	5	CAPACITY FACTOR		0.0000	0.0000
INDEX #	55	CAPACITY	MW	450.00	450.00
		AVG HR	MBTU/MWH	0.00	0.00
		VAR O&M CST	\$000	0.	0.
		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00
		GENERATION	GWH	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.
PICWAY	5	CAPACITY FACTOR		0.0000	0.0000
INDEX #	56	CAPACITY	MW	100.00	100.00
		AVG HR	MBTU/MWH	0.00	0.00
		VAR O&M CST	\$000	0.	0.
		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00
		GENERATION	GWH	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.
RPRUN IM	1	CAPACITY FACTOR		0.0000	0.0000
INDEX #	58	CAPACITY	MW	1105.00	1105.00
		AVG HR	MBTU/MWH	0.00	0.00
		VAR O&M CST	\$000	0.	0.
		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00
		GENERATION	GWH	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.
ROCKP IM	2	CAPACITY FACTOR		0.0000	0.0000
INDEX #	59	CAPACITY	MW	1105.00	1105.00

SB Output Summary.REP

		AVG HR	MBTU/MWH	0.00	0.00
		VAR O&M CST	\$000	0.	0.
		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00
		GENERATION	GW	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.
STUART	1	CAPACITY FACTOR		0.8301	0.8315
INDEX #	61	CAPACITY	MW	150.00	150.00
		AVG HR	MBTU/MWH	9.48	9.48
		VAR O&M CST	\$000	5095.	5228.
		FIXED COST	\$000	21722.	113179.
		FUEL COST	\$000	47021.	48158.
		AV VAR CST	\$/MWH	47.78	48.73
		GENERATION	GW	1090.7	1095.6
		FUEL BURN 000	MBTU	10345.	10390.
STUART	2	CAPACITY FACTOR		0.8334	0.8892
INDEX #	62	CAPACITY	MW	150.00	150.00
		AVG HR	MBTU/MWH	9.61	9.61
		VAR O&M CST	\$000	5130.	5607.
		FIXED COST	\$000	21565.	112714.
		FUEL COST	\$000	47818.	52181.
		AV VAR CST	\$/MWH	48.35	49.32
		GENERATION	GW	1095.0	1171.7
		FUEL BURN 000	MBTU	10521.	11259.
STUART	3	CAPACITY FACTOR		0.8252	0.8801
INDEX #	63	CAPACITY	MW	150.00	150.00
		AVG HR	MBTU/MWH	9.52	9.52
		VAR O&M CST	\$000	5070.	5538.
		FIXED COST	\$000	21859.	113037.
		FUEL COST	\$000	46919.	51170.
		AV VAR CST	\$/MWH	47.94	48.90
		GENERATION	GW	1084.4	1159.6
		FUEL BURN 000	MBTU	10323.	11040.

‡ 02/07/13 15:32:45 V04.0 R03.0

NewEnergy Associates  
Strategist Page

98

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

				2039	2040
STUART	4	CAPACITY FACTOR		0.8269	0.8819
INDEX #	64	CAPACITY	MW	150.00	150.00
		AVG HR	MBTU/MWH	9.66	9.66
		VAR O&M CST	\$000	5096.	5567.
		FIXED COST	\$000	21738.	112912.
		FUEL COST	\$000	47693.	52012.
		AV VAR CST	\$/MWH	48.58	49.55
		GENERATION	GW	1086.6	1162.0
		FUEL BURN 000	MBTU	10493.	11222.
AMOS AP	3	CAPACITY FACTOR		0.6641	0.7131
INDEX #	65	CAPACITY	MW	429.00	429.00
		AVG HR	MBTU/MWH	9.80	9.82
		VAR O&M CST	\$000	11789.	12975.
		FIXED COST	\$000	114701.	330344.
		FUEL COST	\$000	126503.	139216.
		AV VAR CST	\$/MWH	55.41	56.64
		GENERATION	GW	2495.8	2687.2
		FUEL BURN 000	MBTU	24450.	26395.
TANN 1-3	1	CAPACITY FACTOR		0.0000	0.0000
INDEX #	66	CAPACITY	MW	145.00	145.00
		AVG HR	MBTU/MWH	0.00	0.00
		VAR O&M CST	\$000	0.	0.
		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00
		GENERATION	GW	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.
TANN 1-3	2	CAPACITY FACTOR		0.0000	0.0000
INDEX #	67	CAPACITY	MW	145.00	145.00
		AVG HR	MBTU/MWH	0.00	0.00
		VAR O&M CST	\$000	0.	0.
		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00
		GENERATION	GW	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.
TANN 1-3	3	CAPACITY FACTOR		0.0000	0.0000
INDEX #	68	CAPACITY	MW	205.00	205.00
		AVG HR	MBTU/MWH	0.00	0.00
		VAR O&M CST	\$000	0.	0.
		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00
		GENERATION	GW	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.
TANN 4	4	CAPACITY FACTOR		0.0000	0.0000
INDEX #	69	CAPACITY	MW	500.00	500.00



SB Output Summary.REP

		AVG HR	MBTU/MWH	0.00	0.00
		VAR O&M CST	\$000	0.	0.
		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	0.	0.
		AV VAR CST	\$/MWH	0.00	0.00
		GENERATION	GWH	0.0	0.0
		FUEL BURN 000	MBTU	0.	0.
ZIMMER	1	CAPACITY FACTOR		0.7599	0.8992
INDEX #	70	CAPACITY	MW	330.00	330.00
		AVG HR	MBTU/MWH	9.70	9.70
		VAR O&M CST	\$000	12037.	14587.
		FIXED COST	\$000	50890.	268942.
		FUEL COST	\$000	91502.	110867.
		AV VAR CST	\$/MWH	47.13	48.13
		GENERATION	GWH	2196.8	2606.4
		FUEL BURN 000	MBTU	21303.	25282.
CEREDO	1	CAPACITY FACTOR		0.6159	0.5564
INDEX #	75	CAPACITY	MW	86.00	86.00
		AVG HR	MBTU/MWH	11.73	11.73
		VAR O&M CST	\$000	4451.	4120.
		FIXED COST	\$000	441.	3916.
		FUEL COST	\$000	57351.	52680.
		AV VAR CST	\$/MWH	133.20	135.13
		GENERATION	GWH	464.0	420.3
		FUEL BURN 000	MBTU	5444.	4932.
CEREDO	2	CAPACITY FACTOR		0.5813	0.5567
INDEX #	76	CAPACITY	MW	86.00	86.00
		AVG HR	MBTU/MWH	11.74	11.75
		VAR O&M CST	\$000	4201.	4122.
		FIXED COST	\$000	489.	3960.
		FUEL COST	\$000	54255.	52758.
		AV VAR CST	\$/MWH	133.48	135.25
		GENERATION	GWH	437.9	420.6
		DUMP ENERGY	GWH	0.0	0.8
		FUEL BURN 000	MBTU	5143.	4940.
CEREDO	3	CAPACITY FACTOR		0.5217	0.4984
INDEX #	77	CAPACITY	MW	86.00	86.00
		AVG HR	MBTU/MWH	11.81	11.81
		VAR O&M CST	\$000	3770.	3690.
		FIXED COST	\$000	590.	4153.
		FUEL COST	\$000	49085.	47702.
		AV VAR CST	\$/MWH	134.48	136.51
		GENERATION	GWH	393.0	376.5
		FUEL BURN 000	MBTU	4640.	4445.
CEREDO	4	CAPACITY FACTOR		0.6933	0.6123
INDEX #	78	CAPACITY	MW	86.00	86.00
		AVG HR	MBTU/MWH	11.72	11.72
		VAR O&M CST	\$000	5010.	4533.
		FIXED COST	\$000	406.	3902.
		FUEL COST	\$000	64347.	57506.
		AV VAR CST	\$/MWH	132.80	134.13
		GENERATION	GWH	522.3	462.5
		FUEL BURN 000	MBTU	6122.	5422.
CEREDO	5	CAPACITY FACTOR		0.5506	0.7374
INDEX #	79	CAPACITY	MW	86.00	86.00
		AVG HR	MBTU/MWH	11.81	11.81
		VAR O&M CST	\$000	3979.	5460.
		FIXED COST	\$000	556.	3942.
		FUEL COST	\$000	51716.	70316.
		AV VAR CST	\$/MWH	134.26	136.04
		GENERATION	GWH	414.8	557.0
		DUMP ENERGY	GWH	0.0	0.3
		FUEL BURN 000	MBTU	4898.	6577.
CEREDO	6	CAPACITY FACTOR		0.4498	0.6476
INDEX #	80	CAPACITY	MW	86.00	86.00
		AVG HR	MBTU/MWH	11.94	11.94
		VAR O&M CST	\$000	3251.	4795.
		FIXED COST	\$000	639.	4032.
		FUEL COST	\$000	42879.	62591.
		AV VAR CST	\$/MWH	136.12	137.75
		GENERATION	GWH	338.9	489.2
		DUMP ENERGY	GWH	0.0	0.1
		FUEL BURN 000	MBTU	4046.	5841.
DARBY	1	CAPACITY FACTOR		0.1218	0.1131
INDEX #	81	CAPACITY	MW	85.00	85.00
		AVG HR	MBTU/MWH	11.77	11.77
		VAR O&M CST	\$000	897.	854.
		FIXED COST	\$000	490.	2579.
		FUEL COST	\$000	11073.	10502.
		AV VAR CST	\$/MWH	131.97	134.47
		GENERATION	GWH	90.7	84.4
		FUEL BURN 000	MBTU	1067.	994.
DARBY	2	CAPACITY FACTOR		0.1132	0.1050
INDEX #	82	CAPACITY	MW	85.00	85.00
		AVG HR	MBTU/MWH	11.77	11.77
		VAR O&M CST	\$000	834.	792.
		FIXED COST	\$000	532.	2614.
		FUEL COST	\$000	10283.	9749.
		AV VAR CST	\$/MWH	131.94	134.49

SB Output Summary.REP

		GENERATION	GWH	84.3	
		FUEL BURN 000	MBTU	991.	
DARBY	3	CAPACITY FACTOR		0.1049	0.0974
INDEX #	83	CAPACITY	MW	85.00	85.00
		AVG HR	MBTU/MWH	11.77	11.77
		VAR O&M CST	\$000	773.	735.
		FIXED COST	\$000	571.	2652.
		FUEL COST	\$000	9532.	9040.
		AV VAR CST	\$/MWH	131.90	134.48
		GENERATION	GWH	78.1	72.7
		FUEL BURN 000	MBTU	919.	855.

02/07/13 15:32:45 V04.0 R03.0

NewEnergy Associates  
Strategist Page

99

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

				2039	2040
DARBY	4	CAPACITY FACTOR		0.0971	0.0907
INDEX #	84	CAPACITY	MW	85.00	85.00
		AVG HR	MBTU/MWH	11.77	11.77
		VAR O&M CST	\$000	715.	685.
		FIXED COST	\$000	608.	2690.
		FUEL COST	\$000	8819.	8424.
		AV VAR CST	\$/MWH	131.88	134.44
		GENERATION	GWH	72.3	67.8
		FUEL BURN 000	MBTU	851.	797.
DARBY	5	CAPACITY FACTOR		0.0897	0.0743
INDEX #	85	CAPACITY	MW	85.00	85.00
		AVG HR	MBTU/MWH	11.77	11.77
		VAR O&M CST	\$000	661.	561.
		FIXED COST	\$000	643.	2761.
		FUEL COST	\$000	8143.	6892.
		AV VAR CST	\$/MWH	131.85	134.42
		GENERATION	GWH	66.8	55.4
		FUEL BURN 000	MBTU	786.	652.
DARBY	6	CAPACITY FACTOR		0.0742	0.0687
INDEX #	86	CAPACITY	MW	85.00	85.00
		AVG HR	MBTU/MWH	11.77	11.77
		VAR O&M CST	\$000	547.	518.
		FIXED COST	\$000	697.	2791.
		FUEL COST	\$000	6738.	6371.
		AV VAR CST	\$/MWH	131.87	134.39
		GENERATION	GWH	55.2	51.3
		FUEL BURN 000	MBTU	650.	603.
LWBG WIN	1	CAPACITY FACTOR		0.2559	0.2546
INDEX #	87	CAPACITY	MW	593.00	593.00
		AVG HR	MBTU/MWH	7.09	7.09
		VAR O&M CST	\$000	9414.	9596.
		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	98754.	100396.
		AV VAR CST	\$/MWH	81.36	82.94
		GENERATION	GWH	1329.4	1326.2
		FUEL BURN 000	MBTU	9428.	9404.
LWBG WIN	2	CAPACITY FACTOR		0.3445	0.3430
INDEX #	88	CAPACITY	MW	593.00	593.00
		AVG HR	MBTU/MWH	7.07	7.07
		VAR O&M CST	\$000	12234.	12480.
		FIXED COST	\$000	0.	0.
		FUEL COST	\$000	132755.	135075.
		AV VAR CST	\$/MWH	81.01	82.58
		GENERATION	GWH	1789.8	1786.8
		FUEL BURN 000	MBTU	12659.	12636.
LWBG SMR	1	CAPACITY FACTOR		0.1319	0.1309
INDEX #	89	CAPACITY	MW	593.00	593.00
		AVG HR	MBTU/MWH	7.08	7.08
		VAR O&M CST	\$000	4850.	4933.
		FIXED COST	\$000	-2299.	-2073.
		FUEL COST	\$000	49810.	50535.
		AV VAR CST	\$/MWH	79.80	81.36
		GENERATION	GWH	685.0	681.8
		FUEL BURN 000	MBTU	4851.	4828.
LWBG SMR	2	CAPACITY FACTOR		0.1502	0.1498
INDEX #	90	CAPACITY	MW	593.00	593.00
		AVG HR	MBTU/MWH	7.07	7.07
		VAR O&M CST	\$000	5332.	5451.
		FIXED COST	\$000	-2668.	-2450.
		FUEL COST	\$000	56633.	57749.
		AV VAR CST	\$/MWH	79.44	80.98
		GENERATION	GWH	780.0	780.4
		FUEL BURN 000	MBTU	5517.	5518.
WATR CC	1	CAPACITY FACTOR		0.1650	0.1638
INDEX #	91	CAPACITY	MW	840.00	840.00
		AVG HR	MBTU/MWH	7.31	7.31
		VAR O&M CST	\$000	8207.	8350.
		FIXED COST	\$000	-2225.	11769.
		FUEL COST	\$000	93255.	94620.
		AV VAR CST	\$/MWH	83.57	85.18

SB Output Summary.REP

INDEX #	GENERATION	GWH	1214.1	1208.8
	FUEL BURN 000	MBTU	8877.	8838.
WATR2	1 CAPACITY FACTOR		0.1073	0.1050
INDEX # 92	CAPACITY	MW	840.00	840.00
	AVG HR	MBTU/MWH	7.29	7.29
	VAR O&M CST	\$000	5339.	5353.
	FIXED COST	\$000	-1349.	12855.
	FUEL COST	\$000	59334.	59357.
	AV VAR CST	\$/MWH	81.88	83.49
	GENERATION	GWH	789.8	775.0
	FUEL BURN 000	MBTU	5755.	5647.
DRESDEN	1 CAPACITY FACTOR		0.6040	0.3922
INDEX # 93	CAPACITY	MW	625.00	625.00
	AVG HR	MBTU/MWH	7.52	7.62
	VAR O&M CST	\$000	15924.	10595.
	FIXED COST	\$000	0.	0.
	FUEL COST	\$000	269496.	182501.
	AV VAR CST	\$/MWH	86.30	89.67
	GENERATION	GWH	3307.1	2153.4
	FUEL BURN 000	MBTU	24877.	16402.
DRESD2	1 CAPACITY FACTOR		0.1393	0.1515
INDEX # 94	CAPACITY	MW	625.00	625.00
	AVG HR	MBTU/MWH	7.37	7.48
	VAR O&M CST	\$000	3671.	4091.
	FIXED COST	\$000	0.	0.
	FUEL COST	\$000	59962.	67604.
	AV VAR CST	\$/MWH	83.46	86.23
	GENERATION	GWH	762.4	831.5
	DUMP ENERGY	GWH	0.2	0.0
	FUEL BURN 000	MBTU	5619.	6216.
CC_KPCO	953 CAPACITY FACTOR		0.2936	0.3018
INDEX # 953	CAPACITY	MW	352.00	352.00
	AVG HR	MBTU/MWH	6.99	6.99
	VAR O&M CST	\$000	6252.	6586.
	FIXED COST	\$000	13219.	13605.
	FUEL COST	\$000	65957.	69352.
	AV VAR CST	\$/MWH	79.76	81.37
	GENERATION	GWH	905.3	933.3
	FUEL BURN 000	MBTU	6327.	6528.
CT_KPCO	954 CAPACITY FACTOR		0.1592	0.1583
INDEX # 954	CAPACITY	MW	85.00	85.00
	AVG HR	MBTU/MWH	12.16	12.17
	VAR O&M CST	\$000	1942.	1978.
	FIXED COST	\$000	1615.	1663.
	FUEL COST	\$000	15006.	15242.
	AV VAR CST	\$/MWH	143.00	145.74
	GENERATION	GWH	118.5	118.2
	FUEL BURN 000	MBTU	1442.	1437.
CT_KPCO	955 CAPACITY FACTOR		0.1075	0.1058
INDEX # 955	CAPACITY	MW	85.00	85.00
	AVG HR	MBTU/MWH	12.16	12.16
	VAR O&M CST	\$000	1312.	1322.
	FIXED COST	\$000	1615.	1663.
	FUEL COST	\$000	10139.	10188.
	AV VAR CST	\$/MWH	143.03	145.77
	GENERATION	GWH	80.1	79.0
	FUEL BURN 000	MBTU	974.	961.
CT_KPCO	956 CAPACITY FACTOR		0.0663	0.0644
INDEX # 956	CAPACITY	MW	85.00	85.00
	AVG HR	MBTU/MWH	12.16	12.17
	VAR O&M CST	\$000	808.	804.
	FIXED COST	\$000	1615.	1663.
	FUEL COST	\$000	6252.	6204.
	AV VAR CST	\$/MWH	143.11	145.85
	GENERATION	GWH	49.3	48.1
	FUEL BURN 000	MBTU	600.	585.
CT_KPCO	957 CAPACITY FACTOR		0.0367	0.0352
INDEX # 957	CAPACITY	MW	85.00	85.00
	AVG HR	MBTU/MWH	12.16	12.16
	VAR O&M CST	\$000	448.	440.
	FIXED COST	\$000	1615.	1663.
	FUEL COST	\$000	3471.	3396.
	AV VAR CST	\$/MWH	143.26	145.98
	GENERATION	GWH	27.4	26.3
	FUEL BURN 000	MBTU	333.	320.

02/07/13 15:32:45 V04.0 R03.0

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

INDEX #	GENERATION	GWH	2039	2040
BS_BF50	958 CAPACITY FACTOR		0.6090	0.6023
INDEX # 958	CAPACITY	MW	381.00	381.00
	AVG HR	MBTU/MWH	6.80	6.80
	VAR O&M CST	\$000	10236.	10372.
	FIXED COST	\$000	31803.	98883.
	FUEL COST	\$000	132566.	134127.

SB Output Summary.REP

	AV VAR CST	\$/MWH	70.25	71.69
	GENERATION	GW	2032.7	2015.7
	FUEL BURN 000	MBTU	13814.	13716.
RP2D_KP 959	CAPACITY FACTOR		0.5287	0.4002
INDEX # 959	CAPACITY	MW	200.40	200.40
	AVG HR	MBTU/MWH	9.69	9.69
	VAR O&M CST	\$000	12089.	9428.
	FIXED COST	\$000	13097.	69044.
	FUEL COST	\$000	47270.	36629.
	AV VAR CST	\$/MWH	63.95	65.37
	GENERATION	GW	928.1	704.5
	FUEL BURN 000	MBTU	8993.	6827.
RP2D_IM 960	CAPACITY FACTOR		0.8269	0.6714
INDEX # 960	CAPACITY	MW	1090.00	1090.00
	AVG HR	MBTU/MWH	9.71	9.71
	VAR O&M CST	\$000	14647.	12054.
	FIXED COST	\$000	64536.	301772.
	FUEL COST	\$000	286556.	237695.
	AV VAR CST	\$/MWH	38.15	38.85
	GENERATION	GW	7895.4	6428.6
	FUEL BURN 000	MBTU	76698.	62450.
CSV6_SCR961	CAPACITY FACTOR		0.7571	0.7868
INDEX # 961	CAPACITY	MW	391.00	391.00
	AVG HR	MBTU/MWH	10.32	10.32
	VAR O&M CST	\$000	13987.	14889.
	FIXED COST	\$000	153039.	991762.
	FUEL COST	\$000	132385.	140765.
	AV VAR CST	\$/MWH	56.44	57.60
	GENERATION	GW	2593.3	2702.4
	FUEL BURN 000	MBTU	26770.	27902.
CSV5_SCR962	CAPACITY FACTOR		0.7180	0.6885
INDEX # 962	CAPACITY	MW	391.00	391.00
	AVG HR	MBTU/MWH	10.65	10.65
	VAR O&M CST	\$000	13360.	13122.
	FIXED COST	\$000	134992.	874614.
	FUEL COST	\$000	129473.	127016.
	AV VAR CST	\$/MWH	58.08	59.26
	GENERATION	GW	2459.2	2364.8
	FUEL BURN 000	MBTU	26181.	25175.
DUMMY_OP963	CAPACITY FACTOR		0.0000	0.0000
INDEX # 963	CAPACITY	MW	0.00	0.00
	VAR O&M CST	\$000	0.	0.
	FIXED COST	\$000	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00
	GENERATION	GW	0.0	0.0
RP1D_KP 964	CAPACITY FACTOR		0.7730	0.7743
INDEX # 964	CAPACITY	MW	203.40	203.40
	AVG HR	MBTU/MWH	9.65	9.65
	VAR O&M CST	\$000	18094.	18564.
	FIXED COST	\$000	21923.	80091.
	FUEL COST	\$000	52574.	53870.
	AV VAR CST	\$/MWH	51.31	52.36
	GENERATION	GW	1377.4	1383.4
	FUEL BURN 000	MBTU	13289.	13347.
RP1D_03 965	CAPACITY FACTOR		0.5013	0.5350
INDEX # 965	CAPACITY	MW	1090.00	1090.00
	AVG HR	MBTU/MWH	9.83	9.83
	VAR O&M CST	\$000	64862.	70653.
	FIXED COST	\$000	48940.	77846.
	FUEL COST	\$000	175773.	191601.
	AV VAR CST	\$/MWH	50.28	51.19
	GENERATION	GW	4786.2	5122.8
	DUMP ENERGY	GW	0.2	0.5
	FUEL BURN 000	MBTU	47041.	50336.
CR2_NGCC966	CAPACITY FACTOR		0.3200	0.3418
INDEX # 966	CAPACITY	MW	212.00	212.00
	AVG HR	MBTU/MWH	11.13	11.28
	VAR O&M CST	\$000	5149.	5652.
	FIXED COST	\$000	23080.	23080.
	FUEL COST	\$000	69260.	76492.
	AV VAR CST	\$/MWH	125.22	129.05
	GENERATION	GW	594.2	636.5
	DUMP ENERGY	GW	0.6	0.0
	FUEL BURN 000	MBTU	6614.	7180.
CR1_NGCC967	CAPACITY FACTOR		0.3639	0.3683
INDEX # 967	CAPACITY	MW	212.00	212.00
	AVG HR	MBTU/MWH	10.82	10.94
	VAR O&M CST	\$000	5813.	6044.
	FIXED COST	\$000	23080.	23080.
	FUEL COST	\$000	76484.	79963.
	AV VAR CST	\$/MWH	121.79	125.40
	GENERATION	GW	675.8	685.9
	FUEL BURN 000	MBTU	7310.	7506.
MR5_NGCC968	CAPACITY FACTOR		0.5144	0.5126
INDEX # 968	CAPACITY	MW	510.00	510.00
	AVG HR	MBTU/MWH	11.25	11.26
	VAR O&M CST	\$000	16974.	17329.
	FIXED COST	\$000	55524.	55524.

SB Output Summary.REP

	FUEL COST	\$000	251827.	254881.
	AV VAR CST	\$/MWH	116.96	118.53
	GENERATION	GWH	2298.3	2296.5
	DUMP ENERGY	GWH	1.6	4.5
	FUEL BURN 000	MBTU	25855.	25850.
RP2TR_KP969	CAPACITY FACTOR		0.0000	0.0000
INDEX # 969	CAPACITY	MW	200.40	200.40
	AVG HR	MBTU/MWH	0.00	0.00
	VAR O&M CST	\$000	0.	0.
	FIXED COST	\$000	0.	0.
	FUEL COST	\$000	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00
	GENERATION	GWH	0.0	0.0
	FUEL BURN 000	MBTU	0.	0.
BS1_Gas 970	CAPACITY FACTOR		0.0000	0.0000
INDEX # 970	CAPACITY	MW	260.00	260.00
	AVG HR	MBTU/MWH	0.00	0.00
	VAR O&M CST	\$000	0.	0.
	FIXED COST	\$000	0.	0.
	FUEL COST	\$000	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00
	GENERATION	GWH	0.0	0.0
	FUEL BURN 000	MBTU	0.	0.
RP2TR_IM971	CAPACITY FACTOR		0.0000	0.0000
INDEX # 971	CAPACITY	MW	1105.00	1105.00
	AVG HR	MBTU/MWH	0.00	0.00
	VAR O&M CST	\$000	0.	0.
	FIXED COST	\$000	0.	0.
	FUEL COST	\$000	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00
	GENERATION	GWH	0.0	0.0
	FUEL BURN 000	MBTU	0.	0.
DUMMY_OP972	CAPACITY FACTOR		0.0000	0.0000
INDEX # 972	CAPACITY	MW	0.00	0.00
	VAR O&M CST	\$000	0.	0.
	FIXED COST	\$000	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00
	GENERATION	GWH	0.0	0.0
DUMMY_OP973	CAPACITY FACTOR		0.0000	0.0000
INDEX # 973	CAPACITY	MW	0.00	0.00
	VAR O&M CST	\$000	0.	0.
	FIXED COST	\$000	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00
	GENERATION	GWH	0.0	0.0
DUMMY_OP974	CAPACITY FACTOR		0.0000	0.0000
INDEX # 974	CAPACITY	MW	0.00	0.00
	VAR O&M CST	\$000	0.	0.
	FIXED COST	\$000	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00
	GENERATION	GWH	0.0	0.0

02/07/13 15:32:45 V04.0 R03.0

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

			2039	2040
DUMMY_OP975	CAPACITY FACTOR		0.0000	0.0000
INDEX # 975	CAPACITY	MW	0.00	0.00
	VAR O&M CST	\$000	0.	0.
	FIXED COST	\$000	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00
	GENERATION	GWH	0.0	0.0
DUMMY_OP976	CAPACITY FACTOR		0.0000	0.0000
INDEX # 976	CAPACITY	MW	0.00	0.00
	VAR O&M CST	\$000	0.	0.
	FIXED COST	\$000	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00
	GENERATION	GWH	0.0	0.0
DUMMY_OP977	CAPACITY FACTOR		0.0000	0.0000
INDEX # 977	CAPACITY	MW	0.00	0.00
	VAR O&M CST	\$000	0.	0.
	FIXED COST	\$000	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00
	GENERATION	GWH	0.0	0.0
DUMMY_OP978	CAPACITY FACTOR		0.0000	0.0000
INDEX # 978	CAPACITY	MW	0.00	0.00
	VAR O&M CST	\$000	0.	0.
	FIXED COST	\$000	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00
	GENERATION	GWH	0.0	0.0
DUMMY_OP979	CAPACITY FACTOR		0.0000	0.0000
INDEX # 979	CAPACITY	MW	0.00	0.00
	VAR O&M CST	\$000	0.	0.
	FIXED COST	\$000	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00

GENERATION		GWH	0.0	0.0
DUMMY_OP980	CAPACITY FACTOR		0.0000	0.0000
INDEX # 980	CAPACITY	MW	0.00	0.00
	VAR O&M CST	\$000	0.	0.
	FIXED COST	\$000	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00
	GENERATION	GWH	0.0	0.0
DUMMY_OP981	CAPACITY FACTOR		0.0000	0.0000
INDEX # 981	CAPACITY	MW	0.00	0.00
	VAR O&M CST	\$000	0.	0.
	FIXED COST	\$000	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00
	GENERATION	GWH	0.0	0.0
DUMMY_OP982	CAPACITY FACTOR		0.0000	0.0000
INDEX # 982	CAPACITY	MW	0.00	0.00
	VAR O&M CST	\$000	0.	0.
	FIXED COST	\$000	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00
	GENERATION	GWH	0.0	0.0
DUMMY_OP983	CAPACITY FACTOR		0.0000	0.0000
INDEX # 983	CAPACITY	MW	0.00	0.00
	VAR O&M CST	\$000	0.	0.
	FIXED COST	\$000	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00
	GENERATION	GWH	0.0	0.0
DUMMY_OP984	CAPACITY FACTOR		0.0000	0.0000
INDEX # 984	CAPACITY	MW	0.00	0.00
	VAR O&M CST	\$000	0.	0.
	FIXED COST	\$000	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00
	GENERATION	GWH	0.0	0.0
DUMMY_OP985	CAPACITY FACTOR		0.0000	0.0000
INDEX # 985	CAPACITY	MW	0.00	0.00
	VAR O&M CST	\$000	0.	0.
	FIXED COST	\$000	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00
	GENERATION	GWH	0.0	0.0
DUMMY_OP986	CAPACITY FACTOR		0.0000	0.0000
INDEX # 986	CAPACITY	MW	0.00	0.00
	VAR O&M CST	\$000	0.	0.
	FIXED COST	\$000	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00
	GENERATION	GWH	0.0	0.0
DUMMY_OP987	CAPACITY FACTOR		0.0000	0.0000
INDEX # 987	CAPACITY	MW	0.00	0.00
	VAR O&M CST	\$000	0.	0.
	FIXED COST	\$000	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00
	GENERATION	GWH	0.0	0.0
DUMMY_OP988	CAPACITY FACTOR		0.0000	0.0000
INDEX # 988	CAPACITY	MW	0.00	0.00
	VAR O&M CST	\$000	0.	0.
	FIXED COST	\$000	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00
	GENERATION	GWH	0.0	0.0
DUMMY_OP989	CAPACITY FACTOR		0.0000	0.0000
INDEX # 989	CAPACITY	MW	0.00	0.00
	VAR O&M CST	\$000	0.	0.
	FIXED COST	\$000	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00
	GENERATION	GWH	0.0	0.0
DUMMY_OP990	CAPACITY FACTOR		0.0000	0.0000
INDEX # 990	CAPACITY	MW	0.00	0.00
	VAR O&M CST	\$000	0.	0.
	FIXED COST	\$000	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00
	GENERATION	GWH	0.0	0.0
DUMMY_OP991	CAPACITY FACTOR		0.0000	0.0000
INDEX # 991	CAPACITY	MW	0.00	0.00
	VAR O&M CST	\$000	0.	0.
	FIXED COST	\$000	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00
	GENERATION	GWH	0.0	0.0
DUMMY_OP992	CAPACITY FACTOR		0.0000	0.0000
INDEX # 992	CAPACITY	MW	0.00	0.00
	VAR O&M CST	\$000	0.	0.
	FIXED COST	\$000	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00
	GENERATION	GWH	0.0	0.0
DUMMY_OP993	CAPACITY FACTOR		0.0000	0.0000
INDEX # 993	CAPACITY	MW	0.00	0.00
	VAR O&M CST	\$000	0.	0.
	FIXED COST	\$000	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00

GENERATION		GWH	0.0	SB Output Summary.REP
DUMMY_OP994	CAPACITY FACTOR		0.0000	0.0000
INDEX # 994	CAPACITY	MW	0.00	0.00
	VAR O&M CST	\$000	0.	0.
	FIXED COST	\$000	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00
	GENERATION	GWH	0.0	0.0
DUMMY_KP995	CAPACITY FACTOR		0.0000	0.0000
INDEX # 995	CAPACITY	MW	0.00	0.00
	VAR O&M CST	\$000	0.	0.
	FIXED COST	\$000	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00
	GENERATION	GWH	0.0	0.0
DUMMY_OP996	CAPACITY FACTOR		0.0000	0.0000
INDEX # 996	CAPACITY	MW	0.00	0.00
	VAR O&M CST	\$000	0.	0.
	FIXED COST	\$000	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00
	GENERATION	GWH	0.0	0.0
DUMMY_OP997	CAPACITY FACTOR		0.0000	0.0000
INDEX # 997	CAPACITY	MW	0.00	0.00
	VAR O&M CST	\$000	0.	0.
	FIXED COST	\$000	0.	0.
	AV VAR CST	\$/MWH	0.00	0.00
	GENERATION	GWH	0.0	0.0

‡ 02/07/13 15:32:45 V04.0 R03.0

NewEnergy Associates  
Strategist Page 102

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

		2039	2040
T4_TROMA998	CAPACITY FACTOR	0.0000	0.0000
INDEX # 998	CAPACITY	MW	500.00
	AVG HR	MBTU/MWH	0.00
	VAR O&M CST	\$000	0.
	FIXED COST	\$000	0.
	FUEL COST	\$000	0.
	AV VAR CST	\$/MWH	0.00
	GENERATION	GWH	0.0
	FUEL BURN 000	MBTU	0.
DUMMY_OP999	CAPACITY FACTOR	0.0000	0.0000
INDEX # 999	CAPACITY	MW	0.00
	VAR O&M CST	\$000	0.
	FIXED COST	\$000	0.
	AV VAR CST	\$/MWH	0.00
	GENERATION	GWH	0.0

‡ 02/07/13 15:32:45 V04.0 R03.0

NewEnergy Associates  
Strategist Page 103

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

\*\*\*\*\*  
\* PURCHASED POWER \*  
\*\*\*\*\*

		2011	2012	2013	2014	2015	2016	2017
ROBTMONE 1	CAPACITY FACTOR	0.0654	0.1261	0.1170	0.1133	0.1174	0.1379	0.1212
INDEX # 71	CAPACITY	MW	175.00	175.00	175.00	175.00	175.00	175.00
	AVG HR	MBTU/MWH	10.86	10.86	10.81	10.79	10.78	10.78
	VAR O&M CST	\$000	1189.	2344.	2211.	2184.	2312.	2784.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.
	FUEL COST	\$000	4891.	10057.	10159.	10632.	11229.	14303.
	AV VAR CST	\$/MWH	60.66	63.99	68.98	73.79	75.27	80.63
	GENERATION	GWH	100.2	193.8	179.3	173.7	179.9	211.9
	FUEL BURN 000	MBTU	1088.	2105.	1938.	1875.	1941.	2284.
ROBTMONE 2	CAPACITY FACTOR	0.0912	0.1177	0.0834	0.0982	0.1006	0.1187	0.1032
INDEX # 72	CAPACITY	MW	175.00	175.00	175.00	175.00	175.00	175.00
	AVG HR	MBTU/MWH	10.83	10.85	10.84	10.80	10.80	10.79
	VAR O&M CST	\$000	1658.	2188.	1577.	1893.	1982.	2398.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.
	FUEL COST	\$000	6814.	9422.	7225.	9215.	9624.	12321.
	AV VAR CST	\$/MWH	60.60	64.17	68.81	73.79	75.27	80.63
	GENERATION	GWH	139.8	180.9	127.9	150.5	154.2	182.5
	FUEL BURN 000	MBTU	1514.	1964.	1387.	1626.	1665.	1969.
ROBTMONE 3	CAPACITY FACTOR	0.1065	0.0873	0.1017	0.1299	0.0858	0.1022	0.0878
INDEX # 73	CAPACITY	MW	175.00	175.00	175.00	175.00	175.00	175.00
	AVG HR	MBTU/MWH	10.82	10.93	10.81	10.79	10.80	10.79
	VAR O&M CST	\$000	1936.	1623.	1922.	2505.	1691.	2064.
	FIXED COST	\$000	0.	0.	0.	0.	0.	0.
	FUEL COST	\$000	7955.	6953.	8832.	12192.	8211.	10605.
	AV VAR CST	\$/MWH	60.60	63.90	68.98	73.79	75.27	80.63
	GENERATION	GWH	163.2	134.2	155.9	199.2	131.6	157.1
	FUEL BURN 000	MBTU	1767.	1467.	1686.	2149.	1421.	1696.

‡ 02/07/13 15:32:45 V04.0 R03.0

NewEnergy Associates  
Strategist Page 104

SB Output Summary.REP  
AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

\*\*\*\*\*  
\* PURCHASED POWER \*  
\*\*\*\*\*

			2018	2019	2020	2021	2022	2023	2024
ROBTMONE	1	CAPACITY FACTOR	0.1073	0.1137	0.1176	0.1133	0.1183	0.1160	0.1188
INDEX #	71	CAPACITY	175.00	175.00	175.00	175.00	175.00	175.00	175.00
		AVG HR	10.81	10.79	10.79	10.78	10.79	10.79	10.80
		VAR O&M CST \$000	2257.	2452.	2607.	2565.	2743.	2754.	2894.
		FIXED COST \$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST \$000	11713.	12653.	13228.	13159.	14354.	14446.	15316.
		AV VAR CST \$/MWH	84.93	86.65	87.58	90.54	94.25	96.70	99.73
		GENERATION GWH	164.5	174.3	180.8	173.7	181.4	177.9	182.6
		FUEL BURN 000 MBTU	1779.	1881.	1951.	1872.	1958.	1920.	1972.
ROBTMONE	2	CAPACITY FACTOR	0.0991	0.0965	0.0996	0.0962	0.0249	0.0000	0.0010
INDEX #	72	CAPACITY	175.00	175.00	175.00	175.00	175.00	175.00	175.00
		AVG HR	10.78	10.80	10.80	10.79	10.45	0.00	11.04
		VAR O&M CST \$000	2084.	2081.	2207.	2178.	578.	0.	24.
		FIXED COST \$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST \$000	10793.	10739.	11202.	11175.	3047.	0.	126.
		AV VAR CST \$/MWH	84.79	86.66	87.59	90.54	94.81	0.00	99.84
		GENERATION GWH	151.9	147.9	153.1	147.5	38.2	0.0	1.5
		FUEL BURN 000 MBTU	1637.	1598.	1653.	1591.	400.	0.	17.
ROBTMONE	3	CAPACITY FACTOR	0.0825	0.0819	0.0840	0.0813	0.0787	0.0996	0.1018
INDEX #	73	CAPACITY	175.00	175.00	175.00	175.00	175.00	175.00	175.00
		AVG HR	10.81	10.81	10.81	10.80	10.89	10.80	10.81
		VAR O&M CST \$000	1735.	1766.	1862.	1841.	1825.	2364.	2481.
		FIXED COST \$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST \$000	8993.	9115.	9450.	9445.	9539.	12403.	13129.
		AV VAR CST \$/MWH	84.84	86.66	87.59	90.55	94.19	96.71	99.74
		GENERATION GWH	126.4	125.6	129.1	124.6	120.6	152.7	156.5
		FUEL BURN 000 MBTU	1367.	1357.	1396.	1345.	1314.	1649.	1691.

02/07/13 15:32:45 W04.0 R03.0

NewEnergy Associates  
Strategist Page

105

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

\*\*\*\*\*  
\* PURCHASED POWER \*  
\*\*\*\*\*

			2025	2026	2027	2028	2029	2030	2031
ROBTMONE	1	CAPACITY FACTOR	0.1164	0.1160	0.1080	0.1072	0.1080	0.1056	0.1128
INDEX #	71	CAPACITY	175.00	175.00	175.00	175.00	175.00	175.00	175.00
		AVG HR	10.80	10.79	10.80	10.80	10.80	10.83	10.80
		VAR O&M CST \$000	2893.	2949.	2807.	2857.	2933.	2930.	3197.
		FIXED COST \$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST \$000	15426.	15590.	14863.	15131.	15534.	15430.	16754.
		AV VAR CST \$/MWH	102.66	104.22	106.71	109.12	111.53	113.43	115.41
		GENERATION GWH	178.4	177.9	165.6	164.9	165.6	161.9	172.9
		FUEL BURN 000 MBTU	1927.	1920.	1788.	1780.	1788.	1753.	1867.
ROBTMONE	2	CAPACITY FACTOR	0.0000	0.0013	0.0553	0.0000	0.0565	0.0147	0.0966
INDEX #	72	CAPACITY	175.00	175.00	175.00	175.00	175.00	175.00	175.00
		AVG HR	0.00	10.44	11.03	0.00	11.02	10.48	10.80
		VAR O&M CST \$000	0.	33.	1438.	0.	1535.	407.	2738.
		FIXED COST \$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST \$000	0.	169.	7623.	0.	8146.	2119.	14349.
		AV VAR CST \$/MWH	0.00	102.36	106.81	0.00	111.72	112.37	115.43
		GENERATION GWH	0.0	2.0	84.8	0.0	86.7	22.5	148.0
		FUEL BURN 000 MBTU	0.	21.	935.	0.	955.	236.	1599.
ROBTMONE	3	CAPACITY FACTOR	0.0995	0.0990	0.0846	0.0867	0.0835	0.0964	0.0818
INDEX #	73	CAPACITY	175.00	175.00	175.00	175.00	175.00	175.00	175.00
		AVG HR	10.81	10.80	10.79	10.82	10.79	10.81	10.81
		VAR O&M CST \$000	2472.	2516.	2197.	2310.	2268.	2676.	2319.
		FIXED COST \$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST \$000	13185.	13308.	11637.	12247.	12013.	14068.	12157.
		AV VAR CST \$/MWH	102.67	104.25	106.72	109.22	111.56	113.26	115.45
		GENERATION GWH	152.5	151.8	129.6	133.3	128.0	147.8	125.4
		FUEL BURN 000 MBTU	1648.	1640.	1398.	1442.	1381.	1598.	1356.

02/07/13 15:32:45 W04.0 R03.0

NewEnergy Associates  
Strategist Page

106

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

\*\*\*\*\*  
\* PURCHASED POWER \*  
\*\*\*\*\*

			2032	2033	2034	2035	2036	2037	2038
ROBTMONE	1	CAPACITY FACTOR	0.1140	0.1119	0.1074	0.1079	0.1048	0.1044	0.0985
INDEX #	71	CAPACITY	175.00	175.00	175.00	175.00	175.00	175.00	175.00
		AVG HR	10.80	10.80	10.80	10.81	10.80	10.81	10.81
		VAR O&M CST \$000	3311.	3310.	3245.	3331.	3318.	3365.	3246.
		FIXED COST \$000	0.	0.	0.	0.	0.	0.	0.
		FUEL COST \$000	17324.	17285.	16889.	17274.	17162.	17353.	16695.
		AV VAR CST \$/MWH	117.74	120.07	122.32	124.60	127.07	129.51	132.03



SB Output Summary.REP

		GENERATION	GW	175.3	171.5	164.6	165.4	161.2	160.0	151.0	
		FUEL BURN	000	MBTU	1893.	1853.	1777.	1787.	1741.	1730.	1632.
ROBTMONE	2	CAPACITY FACTOR		0.0232	0.0000	0.0008	0.0000	0.0010	0.0544	0.0000	
INDEX #	72	CAPACITY	MW	175.00	175.00	175.00	175.00	175.00	175.00	175.00	
		AVG HR	MBTU/MWH	10.45	0.00	11.04	0.00	10.44	11.03	0.00	
		VAR O&M CST	\$000	674.	0.	24.	0.	31.	1754.	0.	
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.	
		FUEL COST	\$000	3525.	0.	127.	0.	159.	9089.	0.	
		AV VAR CST	\$/MWH	117.66	0.00	122.71	0.00	124.66	130.01	0.00	
		GENERATION	GW	35.7	0.0	1.2	0.0	1.5	83.4	0.0	
		FUEL BURN	000	MBTU	373.	0.	14.	0.	16.	920.	0.
ROBTMONE	3	CAPACITY FACTOR		0.0742	0.0950	0.0930	0.0908	0.0875	0.0786	0.0787	
INDEX #	73	CAPACITY	MW	175.00	175.00	175.00	175.00	175.00	175.00	175.00	
		AVG HR	MBTU/MWH	10.90	10.81	10.81	10.82	10.81	10.80	10.83	
		VAR O&M CST	\$000	2156.	2811.	2810.	2804.	2770.	2534.	2593.	
		FIXED COST	\$000	0.	0.	0.	0.	0.	0.	0.	
		FUEL COST	\$000	11292.	14681.	14629.	14543.	14335.	13071.	13351.	
		AV VAR CST	\$/MWH	117.85	120.10	122.35	124.63	127.12	129.51	132.17	
		GENERATION	GW	114.1	145.6	142.5	139.2	134.6	120.5	120.6	
		FUEL BURN	000	MBTU	1244.	1574.	1541.	1506.	1455.	1301.	1307.

NewEnergy Associates  
Strategist Page 107

AEP EAST  
GENERATION AND FUEL MODULE  
UNIT REPORT

\*\*\*\*\*  
\* PURCHASED POWER \*  
\*\*\*\*\*

				2039	2040				
ROBTMONE	1	CAPACITY FACTOR		0.0991	0.0958				
INDEX #	71	CAPACITY	MW	175.00	175.00				
		AVG HR	MBTU/MWH	10.82	10.61				
		VAR O&M CST	\$000	3338.	3304.				
		FIXED COST	\$000	0.	0.				
		FUEL COST	\$000	17112.	16891.				
		AV VAR CST	\$/MWH	134.54	137.16				
		GENERATION	GW	152.0	147.2				
		FUEL BURN	000	MBTU	1644.	1591.			
ROBTMONE	2	CAPACITY FACTOR		0.0535	0.0114				
INDEX #	72	CAPACITY	MW	175.00	175.00				
		AVG HR	MBTU/MWH	11.02	10.48				
		VAR O&M CST	\$000	1800.	395.				
		FIXED COST	\$000	0.	0.				
		FUEL COST	\$000	9273.	1989.				
		AV VAR CST	\$/MWH	135.07	135.54				
		GENERATION	GW	82.0	17.6				
		FUEL BURN	000	MBTU	904.	184.			
ROBTMONE	3	CAPACITY FACTOR		0.0734	0.0769				
INDEX #	73	CAPACITY	MW	175.00	175.00				
		AVG HR	MBTU/MWH	10.80	10.82				
		VAR O&M CST	\$000	2472.	2653.				
		FIXED COST	\$000	0.	0.				
		FUEL COST	\$000	12671.	13570.				
		AV VAR CST	\$/MWH	134.54	137.23				
		GENERATION	GW	112.6	118.2				
		FUEL BURN	000	MBTU	1216.	1280.			

NewEnergy Associates  
Strategist Page 108

AEP EAST  
GENERATION AND FUEL MODULE  
STORAGE UNIT REPORT

				2011	2012	2013	2014	2015	2016	2017
SMITH MT	0	CAPACITY FACTOR		0.0700	0.0675	0.0678	0.0728	0.0651	0.0670	0.0720
INDEX #	1	GEN. CAPACITY	MW	586.00	586.00	586.00	586.00	586.00	586.00	586.00
		VAR O&M CST	\$000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FIXED COST	\$000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GW	359.3	346.6	348.3	374.8	334.2	343.7	369.5
		PUMP ENERGY	GW	-367.0	-348.9	-351.2	-389.2	-331.2	-344.7	-381.6

NewEnergy Associates  
Strategist Page 109

AEP EAST  
GENERATION AND FUEL MODULE  
STORAGE UNIT REPORT

				2018	2019	2020	2021	2022	2023	2024
SMITH MT	0	CAPACITY FACTOR		0.0694	0.0684	0.0671	0.0688	0.0679	0.0648	0.0565
INDEX #	1	GEN. CAPACITY	MW	586.00	586.00	586.00	586.00	586.00	586.00	586.00
		VAR O&M CST	\$000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FIXED COST	\$000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		AV VAR CST	\$/MWH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GW	357.3	351.0	344.2	353.1	349.5	332.9	290.2
		PUMP ENERGY	GW	-364.1	-355.1	-345.5	-358.1	-353.0	-329.2	-268.3

NewEnergy Associates  
Strategist Page 110

SB Output Summary.REP  
AEP EAST  
GENERATION AND FUEL MODULE  
STORAGE UNIT REPORT

			2025	2026	2027	2028	2029	2030	2031
SMITH MT	0	CAPACITY FACTOR	0.0655	0.0583	0.0616	0.0609	0.0618	0.0614	0.0625
INDEX #	1	GEN. CAPACITY	586.00	586.00	586.00	586.00	586.00	586.00	586.00
		VAR O&M CST	\$000 0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FIXED COST	\$000 0.0	0.0	0.0	0.0	0.0	0.0	0.0
		AV VAR CST	\$/MWH 0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH 336.4	299.9	316.2	312.5	317.4	315.8	320.8
		PUMP ENERGY	GWH -334.3	-282.2	-305.4	-300.2	-307.2	-304.9	-311.9
# 02/07/13 15:32:45 V04.0 R03.0			NewEnergy Associates Strategist Page 111						

AEP EAST  
GENERATION AND FUEL MODULE  
STORAGE UNIT REPORT

			2032	2033	2034	2035	2036	2037	2038
SMITH MT	0	CAPACITY FACTOR	0.0602	0.0632	0.0559	0.0628	0.0504	0.0618	0.0601
INDEX #	1	GEN. CAPACITY	586.00	586.00	586.00	586.00	586.00	586.00	586.00
		VAR O&M CST	\$000 0.0	0.0	0.0	0.0	0.0	0.0	0.0
		FIXED COST	\$000 0.0	0.0	0.0	0.0	0.0	0.0	0.0
		AV VAR CST	\$/MWH 0.00	0.00	0.00	0.00	0.00	0.00	0.00
		GENERATION	GWH 308.8	324.6	287.8	322.6	258.6	317.2	309.2
		PUMP ENERGY	GWH -294.8	-317.4	-264.8	-314.6	-223.2	-306.8	-295.4
# 02/07/13 15:32:45 V04.0 R03.0			NewEnergy Associates Strategist Page 112						

AEP EAST  
GENERATION AND FUEL MODULE  
STORAGE UNIT REPORT

			2039	2040
SMITH MT	0	CAPACITY FACTOR	0.0623	0.0570
INDEX #	1	GEN. CAPACITY	586.00	586.00
		VAR O&M CST	\$000 0.0	0.0
		FIXED COST	\$000 0.0	0.0
		AV VAR CST	\$/MWH 0.00	0.00
		GENERATION	GWH 319.8	292.6
		PUMP ENERGY	GWH -310.6	-271.8
# 02/07/13 15:32:45 V04.0 R03.0			NewEnergy Associates Strategist Page 113	

AEP EAST  
GENERATION AND FUEL MODULE  
FUEL DATA REPORT

			2011	2012	2013	2014	2015	2016	2017	2018
AEP	# 1	AMOS_1								
		CONSUMPTION (TONS)	000 2135.	2172.	1606.	2076.	1648.	2077.	1948.	2108.
		CONSUMPTION	000 MBTU 52212.	53253.	39598.	51520.	41194.	51925.	48706.	52691.
		FIXED FUEL COST	\$000 0.	0.	0.	0.	0.	0.	0.	0.
		TOTAL FUEL COST	\$000 123798.	141953.	116289.	166769.	137425.	176883.	167380.	187912.
	# 2	AMOS_2								
		CONSUMPTION (TONS)	000 2337.	1711.	2044.	2082.	1904.	2106.	2147.	1974.
		CONSUMPTION	000 MBTU 57149.	41950.	50372.	51669.	47594.	52641.	53680.	49359.
		FIXED FUEL COST	\$000 0.	0.	0.	0.	0.	0.	0.	0.
		TOTAL FUEL COST	\$000 138336.	110799.	147958.	167251.	158824.	179334.	184481.	176041.
	# 3	AMOS_3								
		CONSUMPTION (TONS)	000 3116.	3797.	2990.	3454.	3131.	3451.	3165.	3485.
		CONSUMPTION	000 MBTU 76193.	93101.	73712.	85727.	78274.	86273.	79114.	87132.
		FIXED FUEL COST	\$000 0.	0.	0.	0.	0.	0.	0.	0.
		TOTAL FUEL COST	\$000 184276.	247339.	216532.	277495.	261183.	293909.	271886.	310759.
	# 4	BECK_6								
		CONSUMPTION (TONS)	000 133.	142.	119.	141.	0.	0.	0.	0.
		CONSUMPTION	000 MBTU 3278.	3507.	2946.	3488.	0.	0.	0.	0.
		FIXED FUEL COST	\$000 0.	0.	0.	0.	0.	0.	0.	0.
		TOTAL FUEL COST	\$000 9037.	9570.	8329.	10106.	0.	0.	0.	0.
	# 5	BIGS_1								
		CONSUMPTION (TONS)	000 267.	160.	134.	85.	73.	0.	0.	0.
		CONSUMPTION	000 MBTU 6503.	3864.	3228.	2068.	1836.	0.	0.	0.
		FIXED FUEL COST	\$000 0.	0.	0.	0.	0.	0.	0.	0.
		TOTAL FUEL COST	\$000 18071.	4969.	10501.	6717.	6150.	0.	0.	0.
	# 6	BIGS_2								
		CONSUMPTION (TONS)	000 1502.	902.	828.	528.	183.	0.	0.	0.
		CONSUMPTION	000 MBTU 36523.	21801.	19914.	12882.	4570.	0.	0.	0.
		FIXED FUEL COST	\$000 0.	0.	0.	0.	0.	0.	0.	0.
		TOTAL FUEL COST	\$000 101474.	26948.	64787.	41858.	15222.	0.	0.	0.
	# 7	CARD_1								
		CONSUMPTION (TONS)	000 1063.	730.	1594.	1349.	1499.	1550.	1361.	1491.
		CONSUMPTION	000 MBTU 25971.	17786.	38990.	33129.	36867.	38160.	33526.	37268.
		FIXED FUEL COST	\$000 0.	0.	0.	0.	0.	0.	0.	0.
		TOTAL FUEL COST	\$000 41169.	31985.	72443.	68184.	78073.	84243.	75682.	101260.
	# 8	CARD_2								
		CONSUMPTION (TONS)	000 1817.	1723.	1538.	1802.	1682.	1531.	1829.	1657.
		CONSUMPTION	000 MBTU 44765.	42295.	37739.	44226.	41428.	37713.	45075.	41422.

SB Output Summary.REP

FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	78193.	75892.	74268.	92330.	89792.	85145.	104907.	117499.
-----									
# 9 CARD_3									
CONSUMPTION (TONS)	000	1288.	1755.	1585.	1826.	1899.	1700.	1861.	1882.
CONSUMPTION	000 MBTU	29859.	42108.	38030.	43823.	45580.	40807.	44671.	47049.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	60928.	81283.	90031.	104199.	114746.	110063.	121827.	133482.
-----									
# 10 CLIF_1									
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 11 CLIF_2									
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 12 CLIF_3									
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 13 CLIF_4									
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 14 CLIF_5									
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 15 CLIF_6									
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 16 CLIN_1									
CONSUMPTION (TONS)	000	135.	301.	238.	379.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	3342.	7417.	5815.	9476.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	11264.	31063.	23712.	31535.	0.	0.	0.	0.
-----									
# 17 CLIN_2									
CONSUMPTION (TONS)	000	232.	235.	208.	298.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	5745.	5803.	5090.	7457.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	19370.	24100.	20755.	24822.	0.	0.	0.	0.
-----									
# 18 CLIN_3									
CONSUMPTION (TONS)	000	32.	34.	29.	48.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	795.	828.	707.	1210.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	2683.	3384.	2884.	4029.	0.	0.	0.	0.
-----									
# 19 CSVL_1									
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 20 CSVL_2									
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 21 CSVL_3									
CONSUMPTION (TONS)	000	250.	285.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	5737.	6677.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	16520.	21652.	0.	0.	0.	0.	0.	0.
-----									
# 22 CSVL_4									
CONSUMPTION (TONS)	000	752.	560.	680.	887.	755.	917.	933.	940.
CONSUMPTION	000 MBTU	17220.	13104.	15914.	20755.	17675.	21449.	21832.	21989.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	49614.	41893.	55321.	74653.	65876.	81426.	84631.	88532.
-----									
# 23 CSVL_5									
CONSUMPTION (TONS)	000	1087.	1057.	1109.	1221.	927.	1254.	1348.	1190.
CONSUMPTION	000 MBTU	24979.	24431.	25641.	28093.	21310.	28837.	31048.	27575.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	46439.	50678.	64818.	68487.	54300.	74911.	79407.	74107.
-----									
# 24 CSVL_6									
CONSUMPTION (TONS)	000	1058.	1095.	958.	1216.	1162.	995.	1352.	1349.
CONSUMPTION	000 MBTU	24294.	25322.	22149.	27959.	26736.	22881.	31143.	31257.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	45175.	52520.	55990.	68158.	68118.	59442.	79644.	83995.

SB Output Summary.REP

-----									
# 25 COOK 1									
CONSUMPTION (GWH )	000	8554.	9563.	8734.	8763.	9536.	8761.	8764.	9537.
CONSUMPTION	000	MBTU	85539.	95634.	87342.	87630.	95365.	87606.	95365.
FIXED FUEL COST	\$000	5797.	5857.	3388.	2608.	2674.	2742.	2812.	2884.
TOTAL FUEL COST	\$000	80533.	88107.	72887.	69688.	72963.	67549.	67028.	71553.
-----									
# 26 COOK 2									
CONSUMPTION (GWH )	000	9968.	9163.	9054.	9968.	9138.	9169.	9968.	9135.
CONSUMPTION	000	MBTU	99680.	91630.	90536.	99680.	91377.	91685.	91353.
FIXED FUEL COST	\$000	5797.	5857.	3388.	2608.	2674.	2742.	2812.	2884.
TOTAL FUEL COST	\$000	86885.	79293.	74820.	78984.	70767.	70223.	74606.	70139.
-----									
# 27 GAVI 1									
CONSUMPTION (TONS)	000	4185.	4102.	4197.	3849.	4115.	3997.	4304.	3957.
CONSUMPTION	000	MBTU	101102.	95202.	97382.	89868.	96132.	93256.	100402.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	189542.	206697.	231526.	228919.	258322.	255264.	279810.	266390.
-----									

02/07/13 15:32:45 V04.0 R03.0

NewEnergy Associates  
Strategist Page

114

AEP EAST  
GENERATION AND FUEL MODULE  
FUEL DATA REPORT

AEP		2011	2012	2013	2014	2015	2016	2017	2018
# 28 GAVI 2									
CONSUMPTION (TONS)	000	3782.	4452.	4080.	4303.	3328.	4376.	4151.	4426.
CONSUMPTION	000	MBTU	91362.	103338.	94655.	100481.	77747.	102097.	102851.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	171205.	224687.	225033.	255960.	208916.	279451.	269859.	297944.
-----									
# 29 GLEN 5									
CONSUMPTION (TONS)	000	6.	6.	4.	4.	0.	0.	0.	0.
CONSUMPTION	000	MBTU	140.	148.	107.	95.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	551.	582.	457.	415.	0.	0.	0.	0.
-----									
# 30 GLEN 6									
CONSUMPTION (TONS)	000	28.	33.	18.	21.	0.	0.	0.	0.
CONSUMPTION	000	MBTU	690.	831.	461.	521.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	2718.	3260.	1963.	2281.	0.	0.	0.	0.
-----									
# 33 KAMM 1									
CONSUMPTION (TONS)	000	447.	614.	551.	502.	0.	0.	0.	0.
CONSUMPTION	000	MBTU	10135.	13860.	12490.	11364.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	28933.	40533.	41056.	38268.	0.	0.	0.	0.
-----									
# 34 KAMM 2									
CONSUMPTION (TONS)	000	446.	574.	552.	534.	0.	0.	0.	0.
CONSUMPTION	000	MBTU	10100.	12960.	12517.	12105.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	28817.	38003.	41145.	40755.	0.	0.	0.	0.
-----									
# 35 KAMM 3									
CONSUMPTION (TONS)	000	312.	378.	312.	321.	0.	0.	0.	0.
CONSUMPTION	000	MBTU	7077.	8536.	7078.	7274.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	20906.	25473.	23273.	24499.	0.	0.	0.	0.
-----									
# 36 KANA 1									
CONSUMPTION (TONS)	000	175.	407.	346.	346.	0.	0.	0.	0.
CONSUMPTION	000	MBTU	4259.	9759.	8312.	8294.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	9599.	23160.	28658.	27600.	0.	0.	0.	0.
-----									
# 37 KANA 2									
CONSUMPTION (TONS)	000	205.	442.	336.	362.	0.	0.	0.	0.
CONSUMPTION	000	MBTU	5004.	10620.	8065.	8679.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	11313.	25169.	27801.	28881.	0.	0.	0.	0.
-----									
# 38 KYGE 1									
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000	MBTU	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 39 KYGE 2									
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000	MBTU	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 40 KYGE 3									
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000	MBTU	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 41 KYGE 4									
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000	MBTU	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.

SB Output Summary.REP

-----									
# 42 KYGE 5									
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 43 MITC 1									
CONSUMPTION (TONS) 000	1566.	1845.	1628.	1839.	1776.	1654.	1852.	1849.	
CONSUMPTION 000 MBTU	38929.	45945.	40339.	45560.	43969.	40946.	45861.	45775.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	90145.	121466.	108807.	122430.	120359.	117803.	141113.	144502.	
-----									
# 44 MITC 2									
CONSUMPTION (TONS) 000	1744.	1559.	1748.	1822.	1615.	1874.	1844.	1626.	
CONSUMPTION 000 MBTU	43357.	38809.	43309.	45140.	39984.	46390.	45655.	40254.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	100452.	102661.	116820.	121291.	109439.	133465.	140460.	127074.	
-----									
# 45 MTRN 6.0									
CONSUMPTION (TONS) 000	3534.	3813.	3735.	3530.	3751.	2974.	4008.	3775.	
CONSUMPTION 000 MBTU	86584.	94328.	93334.	88258.	93777.	74353.	100211.	94383.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	182217.	228290.	220048.	217765.	240763.	198337.	271272.	262094.	
-----									
# 46 MUSK 1									
CONSUMPTION (TONS) 000	370.	310.	240.	291.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	9270.	8061.	6243.	7578.	0.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	20385.	24413.	20220.	24768.	0.	0.	0.	0.	
-----									
# 47 MUSK 2									
CONSUMPTION (TONS) 000	370.	352.	292.	322.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	9271.	9160.	7604.	8375.	0.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	20394.	27791.	24624.	27373.	0.	0.	0.	0.	
-----									
# 48 MUSK 3									
CONSUMPTION (TONS) 000	377.	331.	280.	307.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	9439.	8616.	7280.	7984.	0.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	20751.	26115.	23575.	26093.	0.	0.	0.	0.	
-----									
# 49 MUSK 4									
CONSUMPTION (TONS) 000	54.	47.	40.	43.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	1345.	1217.	1032.	1125.	0.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	2985.	3718.	3342.	3676.	0.	0.	0.	0.	
-----									
# 50 MUSK 5									
CONSUMPTION (TONS) 000	1445.	1271.	1480.	1439.	580.	0.	0.	0.	
CONSUMPTION 000 MBTU	34720.	30677.	37008.	35968.	14498.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	97538.	106036.	148984.	148761.	60564.	0.	0.	0.	
-----									
# 51 PSPN 1									
CONSUMPTION (TONS) 000	190.	192.	175.	122.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	4591.	4611.	4207.	2929.	0.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	13033.	15265.	14966.	10570.	0.	0.	0.	0.	
-----									
# 52 PSPN 2									
CONSUMPTION (TONS) 000	174.	230.	115.	163.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	4196.	5519.	2764.	3909.	0.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	11933.	18246.	9838.	14106.	0.	0.	0.	0.	
-----									
# 53 PSPN 3									
CONSUMPTION (TONS) 000	28.	31.	24.	22.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	665.	752.	583.	517.	0.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	1889.	2516.	2075.	1867.	0.	0.	0.	0.	
-----									
# 54 PSPN 4									
CONSUMPTION (TONS) 000	25.	31.	18.	22.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	610.	748.	443.	522.	0.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	1734.	2501.	1576.	1885.	0.	0.	0.	0.	
-----									
# 55 PSPN 5									
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
-----									
# 56 PICW 5									
CONSUMPTION (TONS) 000	6.	10.	6.	9.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	141.	229.	129.	196.	0.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	423.	686.	415.	625.	0.	0.	0.	0.	
-----									

02/07/13 15:32:46 V04.0 R03.0

NewEnergy Associates  
Strategist Page

115

AEP EAST  
GENERATION AND FUEL MODULE  
FUEL DATA REPORT

AEP		2011	2012	SB Output Summary.REP		2015	2016	2017	2018
				2013	2014				
# 58	ROCK LIM								
	CONSUMPTION (TONS) 000	3015.	4249.	3092.	3564.	3766.	675.	644.	699.
	CONSUMPTION 000 MBTU	54640.	77754.	56211.	65184.	69222.	14279.	13621.	14801.
	FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
	TOTAL FUEL COST \$000	113528.	151011.	141580.	160247.	191573.	32383.	32116.	35930.
# 59	ROCK 2IM								
	CONSUMPTION (TONS) 000	4653.	3858.	4227.	3984.	3494.	2889.	3651.	2982.
	CONSUMPTION 000 MBTU	84315.	70649.	76933.	72714.	64282.	52754.	67280.	54957.
	FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
	TOTAL FUEL COST \$000	175295.	136106.	193701.	177999.	177973.	153948.	203046.	170815.
# 61	STUA 1								
	CONSUMPTION (TONS) 000	451.	429.	414.	448.	418.	389.	473.	448.
	CONSUMPTION 000 MBTU	10391.	9894.	9547.	10321.	9634.	8954.	10888.	10330.
	FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
	TOTAL FUEL COST \$000	27857.	27394.	28040.	30416.	28393.	26568.	32411.	31268.
# 62	STUA 2								
	CONSUMPTION (TONS) 000	389.	437.	453.	429.	432.	478.	455.	456.
	CONSUMPTION 000 MBTU	8962.	10063.	10431.	9873.	9944.	11003.	10484.	10507.
	FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
	TOTAL FUEL COST \$000	24060.	27885.	30635.	29096.	29304.	32642.	31211.	31802.
# 63	STUA 3								
	CONSUMPTION (TONS) 000	380.	428.	439.	421.	416.	457.	438.	442.
	CONSUMPTION 000 MBTU	8750.	9852.	10123.	9700.	9585.	10538.	10096.	10172.
	FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
	TOTAL FUEL COST \$000	23489.	27299.	29730.	28587.	28246.	31266.	30055.	30789.
# 64	STUA 4								
	CONSUMPTION (TONS) 000	429.	435.	448.	383.	424.	466.	449.	453.
	CONSUMPTION 000 MBTU	9890.	10026.	10326.	8828.	9777.	10741.	10345.	10429.
	FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
	TOTAL FUEL COST \$000	26546.	27780.	30327.	26015.	28814.	31866.	30798.	31567.
# 65	BS1_CC								
	CONSUMPTION (MCF) 000	0.	0.	0.	0.	3722.	7266.	8020.	7097.
	CONSUMPTION 000 MBTU	0.	0.	0.	0.	3834.	7484.	8261.	7309.
	FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
	TOTAL FUEL COST \$000	0.	0.	0.	0.	18707.	39695.	44684.	40801.
# 66	TANN 1								
	CONSUMPTION (TONS) 000	21.	24.	16.	19.	0.	0.	0.	0.
	CONSUMPTION 000 MBTU	518.	568.	383.	460.	0.	0.	0.	0.
	FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
	TOTAL FUEL COST \$000	1191.	1652.	1236.	1786.	0.	0.	0.	0.
# 67	TANN 2								
	CONSUMPTION (TONS) 000	23.	25.	17.	20.	0.	0.	0.	0.
	CONSUMPTION 000 MBTU	550.	600.	402.	485.	0.	0.	0.	0.
	FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
	TOTAL FUEL COST \$000	1264.	1746.	1298.	1883.	0.	0.	0.	0.
# 68	TANN 3								
	CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.
	CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
	FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
	TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
# 69	TANN 4								
	CONSUMPTION (TONS) 000	718.	978.	575.	846.	661.	769.	704.	0.
	CONSUMPTION 000 MBTU	13841.	18280.	10750.	15813.	12350.	14365.	13166.	0.
	FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
	TOTAL FUEL COST \$000	22799.	39326.	32451.	49154.	38642.	46091.	40666.	0.
# 70	ZIMM 1								
	CONSUMPTION (TONS) 000	965.	787.	953.	974.	857.	1054.	1073.	970.
	CONSUMPTION 000 MBTU	22862.	18641.	22596.	23084.	20316.	24983.	25430.	22981.
	FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
	TOTAL FUEL COST \$000	53759.	47404.	59594.	61343.	52362.	65885.	68331.	62905.
# 71	TCO POOL								
	CONSUMPTION (MCF) 000	30218.	35867.	30635.	32110.	32893.	38727.	38475.	37160.
	CONSUMPTION 000 MBTU	31124.	36943.	31554.	33073.	33880.	39888.	39629.	38275.
	FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
	TOTAL FUEL COST \$000	140192.	177847.	165193.	187424.	195935.	249527.	253601.	252309.
# 72	DOMINON								
	CONSUMPTION (MCF) 000	36175.	44572.	37329.	27573.	49610.	61092.	50828.	53657.
	CONSUMPTION 000 MBTU	37260.	45909.	38449.	28400.	51098.	62925.	52353.	55266.
	FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
	TOTAL FUEL COST \$000	170315.	222166.	204415.	160208.	300153.	395281.	338250.	367319.
# 73	TCO DELV								
	CONSUMPTION (MCF) 000	0.	0.	14883.	15869.	21739.	21777.	22592.	22384.
	CONSUMPTION 000 MBTU	0.	0.	15330.	16345.	22391.	22430.	23269.	23055.
	FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
	TOTAL FUEL COST \$000	0.	0.	83503.	98705.	137523.	148487.	157277.	160448.
# 74	CEREDO								
	CONSUMPTION (MCF) 000	0.	0.	0.	0.	0.	0.	0.	0.
	CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
	FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
	TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
# 75	DAREY								

SB Output Summary.REP

CONSUMPTION (MCF) 000	0.	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 76 DRESDEN									
CONSUMPTION (MCF) 000	0.	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 77 LAWNG									
CONSUMPTION (MCF) 000	0.	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 78 ROBNOME									
CONSUMPTION (MCF) 000	0.	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 79 WATERFOR									
CONSUMPTION (MCF) 000	0.	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 80 ROCK 5.1									
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	3530.	2654.	3350.	
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	74544.	56061.	70742.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	181713.	138894.	178097.	
-----									
# 81 MRS_NGCC									
CONSUMPTION (MCF) 000	0.	0.	0.	0.	25353.	26023.	25586.	25323.	
CONSUMPTION 000 MBTU	0.	0.	0.	0.	26113.	26804.	26353.	26082.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	0.	0.	0.	0.	145973.	155463.	157066.	169796.	
-----									
# 82 BS RPWR									
CONSUMPTION (MCF) 000	0.	0.	0.	0.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
-----									
# 83 BS_NGCC									
CONSUMPTION (MCF) 000	0.	0.	0.	0.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	

02/07/13 15:32:46 W04.0 R03.0

NewEnergy Associates  
Strategist Page

116

AEP EAST  
GENERATION AND FUEL MODULE  
FUEL DATA REPORT

AEP	2019	2020	2021	2022	2023	2024	2025	2026
# 1 AMOS_1								
CONSUMPTION (TONS) 000	2103.	1869.	2123.	2028.	2032.	1793.	2058.	1910.
CONSUMPTION 000 MBTU	52585.	46736.	53063.	50702.	50797.	44822.	51460.	47753.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	191210.	173673.	201428.	186895.	190798.	171911.	201510.	190790.
-----								
# 2 AMOS_2								
CONSUMPTION (TONS) 000	2144.	2155.	2068.	2087.	1925.	2105.	2117.	2125.
CONSUMPTION 000 MBTU	53596.	53873.	51705.	52163.	48123.	52625.	52936.	53133.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	194899.	200210.	196289.	192274.	180755.	201872.	207302.	212317.
-----								
# 3 AMOS_3								
CONSUMPTION (TONS) 000	3188.	3502.	3303.	3096.	3110.	3136.	3484.	3479.
CONSUMPTION 000 MBTU	79710.	87560.	82586.	77410.	77759.	78397.	87091.	86978.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	289852.	325406.	313534.	285315.	292098.	300735.	341040.	347563.
-----								
# 4 BECK_6								
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
-----								
# 5 BIGS_1								
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
-----								
# 6 BIGS_2								
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
-----								
# 7 CARD_1								

SB Output Summary.REP

CONSUMPTION (TONS) 000	1589.	1343.	1529.	1320.	1473.	1332.	1513.	1323.
CONSUMPTION 000 MBTU	39722.	33579.	38225.	33006.	36837.	33297.	37827.	33064.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	109905.	94932.	110350.	94952.	108184.	99789.	115625.	103043.
-----								
# 8 CARD 2								
CONSUMPTION (TONS) 000	1490.	1785.	1668.	1469.	1745.	1639.	1476.	1753.
CONSUMPTION 000 MBTU	37259.	44626.	41694.	36729.	43620.	40967.	36893.	43814.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	107573.	131502.	125351.	110447.	133768.	128077.	117941.	143114.
-----								
# 9 CARD 3								
CONSUMPTION (TONS) 000	1629.	1817.	1823.	1782.	1803.	1527.	1708.	1815.
CONSUMPTION 000 MBTU	40726.	45437.	45576.	44555.	45078.	38169.	42712.	45366.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	117593.	133905.	137035.	133975.	138249.	119334.	136548.	148195.
-----								
# 10 CLIF 1								
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
-----								
# 11 CLIF 2								
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
-----								
# 12 CLIF 3								
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
-----								
# 13 CLIF 4								
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
-----								
# 14 CLIF 5								
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
-----								
# 15 CLIF 6								
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
-----								
# 16 CLIN 1								
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
-----								
# 17 CLIN 2								
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
-----								
# 18 CLIN 3								
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
-----								
# 19 CSVL 1								
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
-----								
# 20 CSVL 2								
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
-----								
# 21 CSVL 3								
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
-----								
# 22 CSVL 4								
CONSUMPTION (TONS) 000	926.	1002.	1072.	1024.	925.	996.	994.	933.
CONSUMPTION 000 MBTU	21657.	23449.	24646.	23555.	21277.	22907.	22871.	21462.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	89579.	82931.	88637.	84951.	78223.	86050.	87737.	84045.
-----								
# 23 CSVL 5								
CONSUMPTION (TONS) 000	1102.	1034.	1079.	918.	976.	1000.	793.	990.
CONSUMPTION 000 MBTU	27561.	25856.	26984.	22949.	24393.	25005.	19829.	24740.



SB Output Summary.REP

	FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.		
	TOTAL FUEL COST	\$000	92796.	88868.	94630.	80717.	87496.	91687.	74102.	94422.	
-----											
# 24 CSVL 6	CONSUMPTION (TONS)	000	1058.	920.	1049.	1053.	911.	1012.	801.	1052.	
	CONSUMPTION	000	MTU	26454.	23001.	26233.	26324.	22779.	25292.	20013.	26304.
	FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.	
	TOTAL FUEL COST	\$000	89063.	79061.	91992.	92573.	81704.	92738.	74786.	100387.	
-----											
# 25 COOK 1	CONSUMPTION (GWH )	000	8734.	8791.	9537.	8734.	8557.	9563.	8737.	8763.	
	CONSUMPTION	000	MTU	87335.	87908.	95366.	87337.	85570.	95633.	87369.	87628.
	FIXED FUEL COST	\$000	2958.	3035.	3113.	3194.	3276.	3362.	3449.	3539.	
	TOTAL FUEL COST	\$000	67063.	68565.	77149.	72840.	72734.	84015.	78999.	81417.	
-----											
# 26 COOK 2	CONSUMPTION (GWH )	000	9141.	9996.	9137.	9141.	9968.	9168.	9141.	9968.	
	CONSUMPTION	000	MTU	91410.	99957.	91374.	91408.	99679.	91680.	91413.	99679.
	FIXED FUEL COST	\$000	2958.	3035.	3113.	3194.	3276.	3362.	3449.	3539.	
	TOTAL FUEL COST	\$000	70859.	77927.	73422.	74390.	82814.	78367.	79987.	87927.	
-----											
# 27 GAVI 1	CONSUMPTION (TONS)	000	4089.	3845.	4073.	3742.	3974.	3692.	3998.	3755.	
	CONSUMPTION	000	MTU	100793.	95198.	101005.	93541.	99354.	92303.	99939.	93863.
	FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.	
	TOTAL FUEL COST	\$000	286949.	276745.	300666.	279398.	302703.	287665.	317456.	304738.	

02/07/13 15:32:46 V04.0 R03.0

NewEnergy Associates  
Strategist Page

117

AEP EAST  
GENERATION AND FUEL MODULE  
FUEL DATA REPORT

AEP	2019	2020	2021	2022	2023	2024	2025	2026			
# 28 GAVI 2	CONSUMPTION (TONS)	000	3873.	4211.	3706.	4087.	3846.	4114.	3214.	4107.	
	CONSUMPTION	000	MTU	95466.	104271.	91913.	102170.	96148.	102843.	80341.	102682.
	FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.	
	TOTAL FUEL COST	\$000	271752.	303100.	273629.	305157.	292924.	320525.	255200.	333352.	
-----											
# 29 GLEN 5	CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.	
	CONSUMPTION	000	MTU	0.	0.	0.	0.	0.	0.	0.	
	FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.	
	TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.	
-----											
# 30 GLEN 6	CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.	
	CONSUMPTION	000	MTU	0.	0.	0.	0.	0.	0.	0.	
	FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.	
	TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.	
-----											
# 33 KAMM 1	CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.	
	CONSUMPTION	000	MTU	0.	0.	0.	0.	0.	0.	0.	
	FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.	
	TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.	
-----											
# 34 KAMM 2	CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.	
	CONSUMPTION	000	MTU	0.	0.	0.	0.	0.	0.	0.	
	FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.	
	TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.	
-----											
# 35 KAMM 3	CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.	
	CONSUMPTION	000	MTU	0.	0.	0.	0.	0.	0.	0.	
	FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.	
	TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.	
-----											
# 36 KANA 1	CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.	
	CONSUMPTION	000	MTU	0.	0.	0.	0.	0.	0.	0.	
	FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.	
	TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.	
-----											
# 37 KANA 2	CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.	
	CONSUMPTION	000	MTU	0.	0.	0.	0.	0.	0.	0.	
	FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.	
	TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.	
-----											
# 38 KYGE 1	CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.	
	CONSUMPTION	000	MTU	0.	0.	0.	0.	0.	0.	0.	
	FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.	
	TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.	
-----											
# 39 KYGE 2	CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.	
	CONSUMPTION	000	MTU	0.	0.	0.	0.	0.	0.	0.	
	FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.	
	TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.	
-----											
# 40 KYGE 3	CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.	
	CONSUMPTION	000	MTU	0.	0.	0.	0.	0.	0.	0.	

SB Output Summary.REP

FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 41 KYGE_4									
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 42 KYGE_5									
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 43 MITC_1									
CONSUMPTION (TONS)	000	1651.	1887.	1651.	1821.	1667.	1826.	1742.	1596.
CONSUMPTION	000 MBTU	40886.	46717.	40868.	45319.	41269.	45184.	43106.	39501.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	132340.	154936.	139229.	153921.	145117.	162944.	159771.	150344.
-----									
# 44 MITC_2									
CONSUMPTION (TONS)	000	1852.	1859.	1860.	1597.	1812.	1819.	1594.	1812.
CONSUMPTION	000 MBTU	45847.	46029.	46044.	39738.	44848.	45012.	39446.	44855.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	148393.	152644.	156830.	134957.	157702.	162309.	146188.	170722.
-----									
# 45 MTRN_6.0									
CONSUMPTION (TONS)	000	4015.	3792.	3942.	3698.	3844.	3571.	3871.	2952.
CONSUMPTION	000 MBTU	100364.	94809.	98548.	92454.	96094.	89272.	96778.	73810.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	283717.	272746.	289418.	271515.	287982.	272872.	301629.	235231.
-----									
# 46 MUSK_1									
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 47 MUSK_2									
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 48 MUSK_3									
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 49 MUSK_4									
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 50 MUSK_5									
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 51 PSPN_1									
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 52 PSPN_2									
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 53 PSPN_3									
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 54 PSPN_4									
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 55 PSPN_5									
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 56 PICW_5									
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.

SB Output Summary.REP

02/07/13 15:32:46 V04.0 R03.0

NewEnergy Associates  
Strategist Page

118

AEP EAST  
GENERATION AND FUEL MODULE  
FUEL DATA REPORT

AEP	2019	2020	2021	2022	2023	2024	2025	2026
# 58 ROCK 1IM								
CONSUMPTION (TONS) 000	702.	667.	695.	586.	621.	541.	625.	615.
CONSUMPTION 000 MBTU	14853.	14096.	14674.	12385.	13112.	11429.	13199.	12992.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	36945.	35908.	38407.	32546.	35372.	31746.	37583.	38032.
# 59 ROCK 2IM								
CONSUMPTION (TONS) 000	2402.	471.	672.	521.	453.	540.	399.	465.
CONSUMPTION 000 MBTU	44274.	8680.	12384.	9608.	8354.	9956.	7354.	8576.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	141583.	28619.	41949.	32934.	29389.	36015.	27335.	32653.
# 61 STUA 1								
CONSUMPTION (TONS) 000	447.	481.	450.	446.	476.	449.	402.	477.
CONSUMPTION 000 MBTU	10306.	11073.	10372.	10279.	10976.	10354.	9253.	10984.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	31707.	34619.	33155.	32958.	35960.	34648.	31613.	38400.
# 62 STUA 2								
CONSUMPTION (TONS) 000	485.	457.	457.	485.	455.	457.	486.	455.
CONSUMPTION 000 MBTU	11184.	10538.	10521.	11171.	10478.	10521.	11189.	10481.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	34409.	32949.	33628.	35819.	34330.	35205.	38222.	36645.
# 63 STUA 3								
CONSUMPTION (TONS) 000	475.	449.	449.	470.	441.	444.	473.	443.
CONSUMPTION 000 MBTU	10949.	10344.	10353.	10837.	10165.	10232.	10891.	10201.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	33686.	32345.	33094.	34750.	33306.	34238.	37206.	35665.
# 64 STUA 4								
CONSUMPTION (TONS) 000	484.	458.	457.	481.	405.	454.	483.	453.
CONSUMPTION 000 MBTU	11144.	10542.	10528.	11073.	9329.	10465.	11138.	10437.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	34284.	32962.	33652.	35507.	30565.	35019.	38049.	36491.
# 65 BSL CC								
CONSUMPTION (MCF) 000	7994.	7447.	6925.	6893.	5515.	6908.	6831.	5302.
CONSUMPTION 000 MBTU	8234.	7670.	7133.	7100.	5681.	7115.	7036.	5461.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	46679.	43974.	42122.	43661.	35898.	46266.	47120.	37072.
# 66 TANN 1								
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
# 67 TANN 2								
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
# 68 TANN 3								
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
# 69 TANN 4								
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
# 70 ZIMM 1								
CONSUMPTION (TONS) 000	1076.	1084.	912.	1042.	1042.	945.	1048.	1049.
CONSUMPTION 000 MBTU	25509.	25689.	21607.	25006.	25010.	22671.	25153.	25175.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	71091.	72875.	62375.	74936.	76697.	70889.	80403.	82231.
# 71 TCO POOL								
CONSUMPTION (MCF) 000	36645.	37034.	36435.	33219.	32725.	33430.	33519.	32898.
CONSUMPTION 000 MBTU	37744.	38145.	37528.	34215.	33706.	34433.	34525.	33885.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	253792.	258831.	263657.	250871.	253650.	267517.	276483.	275190.
# 72 DOMINON								
CONSUMPTION (MCF) 000	48537.	53590.	50160.	52664.	55127.	55101.	54716.	66306.
CONSUMPTION 000 MBTU	49993.	55198.	51665.	54244.	56781.	56754.	56358.	68296.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	340066.	378072.	366542.	401944.	431559.	444803.	455858.	557911.
# 73 TCO DELV								
CONSUMPTION (MCF) 000	22328.	22523.	22278.	21689.	22145.	22374.	22057.	22413.
CONSUMPTION 000 MBTU	22997.	23199.	22946.	22340.	22810.	23045.	22719.	23085.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	163199.	165970.	169830.	172471.	180541.	188180.	191016.	196755.

SB Output Summary.REP

# 74 CEREDO									
CONSUMPTION (MCF) 000	0.	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
# 75 DARBY									
CONSUMPTION (MCF) 000	0.	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
# 76 DRESDEN									
CONSUMPTION (MCF) 000	0.	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
# 77 LANRNG									
CONSUMPTION (MCF) 000	0.	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
# 78 ROEMOME									
CONSUMPTION (MCF) 000	0.	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
# 79 WATERFOR									
CONSUMPTION (MCF) 000	0.	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
# 80 ROCK 5.1									
CONSUMPTION (TONS) 000	3407.	6421.	6442.	6021.	5204.	5383.	6082.	5644.	
CONSUMPTION 000 MBTU	71960.	135619.	136045.	127159.	109901.	113684.	128451.	119210.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	184035.	353629.	361528.	339202.	298635.	315737.	364452.	344195.	
# 81 MR5 NGCC									
CONSUMPTION (MCF) 000	25241.	25357.	25220.	25322.	25241.	25360.	25213.	25240.	
CONSUMPTION 000 MBTU	25998.	26118.	25977.	26081.	25999.	26121.	25970.	25997.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	175488.	180472.	185733.	190132.	194729.	202178.	206717.	210314.	
# 82 BS RPWR									
CONSUMPTION (MCF) 000	0.	0.	0.	0.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
# 83 BS NGCC									
CONSUMPTION (MCF) 000	0.	0.	11564.	12338.	11898.	12041.	11869.	11666.	
CONSUMPTION 000 MBTU	0.	0.	11911.	12708.	12255.	12402.	12225.	12016.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	0.	0.	76589.	85294.	84457.	88241.	89805.	89506.	

02/07/13 15:32:46 V04.0 R03.0

NewEnergy Associates  
Strategist Page

119

AEP EAST  
GENERATION AND FUEL MODULE  
FUEL DATA REPORT

AEP	2027	2028	2029	2030	2031	2032	2033	2034
# 1 AMOS 1								
CONSUMPTION (TONS) 000	2035.	2061.	1787.	2066.	1902.	2070.	2066.	1806.
CONSUMPTION 000 MBTU	50865.	51515.	44668.	51659.	47543.	51741.	51661.	45141.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	207819.	214591.	190055.	223965.	210373.	233622.	237903.	212355.
# 2 AMOS 2								
CONSUMPTION (TONS) 000	2097.	1943.	2101.	2127.	2122.	2124.	1955.	2112.
CONSUMPTION 000 MBTU	52423.	48582.	52518.	53173.	53051.	53111.	48873.	52799.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	214175.	202378.	223493.	230540.	234780.	239801.	225065.	248419.
# 3 AMOS 3								
CONSUMPTION (TONS) 000	3114.	3146.	3134.	3497.	3504.	3144.	3174.	3161.
CONSUMPTION 000 MBTU	77860.	78640.	78341.	87431.	87597.	78596.	79347.	79016.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	318075.	327615.	333383.	379053.	387661.	354837.	365434.	371769.
# 4 BECK 6								
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
# 5 BIGS 1								
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.

SB Output Summary.REP

-----									
#	6	BIGS_2							
		CONSUMPTION	(TONS)	000	0.	0.	0.	0.	0.
		CONSUMPTION	000	MBTU	0.	0.	0.	0.	0.
		FIXED FUEL COST		\$000	0.	0.	0.	0.	0.
		TOTAL FUEL COST		\$000	0.	0.	0.	0.	0.
-----									
#	7	CARD_1			1477.	1330.	1512.	1326.	1482.
		CONSUMPTION	(TONS)	000					
		CONSUMPTION	000	MBTU	36917.	33254.	37803.	33147.	37045.
		FIXED FUEL COST		\$000	0.	0.	0.	0.	0.
		TOTAL FUEL COST		\$000	117268.	107968.	124995.	111912.	127666.
-----									
#	8	CARD_2			0.	0.	0.	0.	0.
		CONSUMPTION	(TONS)	000					
		CONSUMPTION	000	MBTU	0.	0.	0.	0.	0.
		FIXED FUEL COST		\$000	0.	0.	0.	0.	0.
		TOTAL FUEL COST		\$000	0.	0.	0.	0.	0.
-----									
#	9	CARD_3			0.	0.	0.	0.	0.
		CONSUMPTION	(TONS)	000					
		CONSUMPTION	000	MBTU	0.	0.	0.	0.	0.
		FIXED FUEL COST		\$000	0.	0.	0.	0.	0.
		TOTAL FUEL COST		\$000	0.	0.	0.	0.	0.
-----									
#	10	CLIF_1			0.	0.	0.	0.	0.
		CONSUMPTION	(TONS)	000					
		CONSUMPTION	000	MBTU	0.	0.	0.	0.	0.
		FIXED FUEL COST		\$000	0.	0.	0.	0.	0.
		TOTAL FUEL COST		\$000	0.	0.	0.	0.	0.
-----									
#	11	CLIF_2			0.	0.	0.	0.	0.
		CONSUMPTION	(TONS)	000					
		CONSUMPTION	000	MBTU	0.	0.	0.	0.	0.
		FIXED FUEL COST		\$000	0.	0.	0.	0.	0.
		TOTAL FUEL COST		\$000	0.	0.	0.	0.	0.
-----									
#	12	CLIF_3			0.	0.	0.	0.	0.
		CONSUMPTION	(TONS)	000					
		CONSUMPTION	000	MBTU	0.	0.	0.	0.	0.
		FIXED FUEL COST		\$000	0.	0.	0.	0.	0.
		TOTAL FUEL COST		\$000	0.	0.	0.	0.	0.
-----									
#	13	CLIF_4			0.	0.	0.	0.	0.
		CONSUMPTION	(TONS)	000					
		CONSUMPTION	000	MBTU	0.	0.	0.	0.	0.
		FIXED FUEL COST		\$000	0.	0.	0.	0.	0.
		TOTAL FUEL COST		\$000	0.	0.	0.	0.	0.
-----									
#	14	CLIF_5			0.	0.	0.	0.	0.
		CONSUMPTION	(TONS)	000					
		CONSUMPTION	000	MBTU	0.	0.	0.	0.	0.
		FIXED FUEL COST		\$000	0.	0.	0.	0.	0.
		TOTAL FUEL COST		\$000	0.	0.	0.	0.	0.
-----									
#	15	CLIF_6			0.	0.	0.	0.	0.
		CONSUMPTION	(TONS)	000					
		CONSUMPTION	000	MBTU	0.	0.	0.	0.	0.
		FIXED FUEL COST		\$000	0.	0.	0.	0.	0.
		TOTAL FUEL COST		\$000	0.	0.	0.	0.	0.
-----									
#	16	CLIN_1			0.	0.	0.	0.	0.
		CONSUMPTION	(TONS)	000					
		CONSUMPTION	000	MBTU	0.	0.	0.	0.	0.
		FIXED FUEL COST		\$000	0.	0.	0.	0.	0.
		TOTAL FUEL COST		\$000	0.	0.	0.	0.	0.
-----									
#	17	CLIN_2			0.	0.	0.	0.	0.
		CONSUMPTION	(TONS)	000					
		CONSUMPTION	000	MBTU	0.	0.	0.	0.	0.
		FIXED FUEL COST		\$000	0.	0.	0.	0.	0.
		TOTAL FUEL COST		\$000	0.	0.	0.	0.	0.
-----									
#	18	CLIN_3			0.	0.	0.	0.	0.
		CONSUMPTION	(TONS)	000					
		CONSUMPTION	000	MBTU	0.	0.	0.	0.	0.
		FIXED FUEL COST		\$000	0.	0.	0.	0.	0.
		TOTAL FUEL COST		\$000	0.	0.	0.	0.	0.
-----									
#	19	CSVL_1			0.	0.	0.	0.	0.
		CONSUMPTION	(TONS)	000					
		CONSUMPTION	000	MBTU	0.	0.	0.	0.	0.
		FIXED FUEL COST		\$000	0.	0.	0.	0.	0.
		TOTAL FUEL COST		\$000	0.	0.	0.	0.	0.
-----									
#	20	CSVL_2			0.	0.	0.	0.	0.
		CONSUMPTION	(TONS)	000					
		CONSUMPTION	000	MBTU	0.	0.	0.	0.	0.
		FIXED FUEL COST		\$000	0.	0.	0.	0.	0.
		TOTAL FUEL COST		\$000	0.	0.	0.	0.	0.
-----									
#	21	CSVL_3			0.	0.	0.	0.	0.
		CONSUMPTION	(TONS)	000					
		CONSUMPTION	000	MBTU	0.	0.	0.	0.	0.
		FIXED FUEL COST		\$000	0.	0.	0.	0.	0.
		TOTAL FUEL COST		\$000	0.	0.	0.	0.	0.
-----									
#	22	CSVL_4							

			SB Output Summary.REP							
CONSUMPTION	(TONS)	000	998.	999.	941.	1007.	1010.	952.	1013.	1019.
CONSUMPTION	000	MBTU	22964.	22988.	21640.	23155.	23224.	21900.	23303.	23435.
FIXED FUEL COST		\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST		\$000	91768.	93696.	90147.	98314.	100691.	96918.	105226.	107925.
-----										
# 23	CSVL_5									
CONSUMPTION	(TONS)	000	1005.	892.	1011.	969.	1016.	949.	1013.	1027.
CONSUMPTION	000	MBTU	25124.	22290.	25265.	24219.	25389.	23720.	25316.	25680.
FIXED FUEL COST		\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST		\$000	97895.	88641.	102478.	100417.	107296.	102384.	111544.	115452.
-----										
# 24	CSVL_6									
CONSUMPTION	(TONS)	000	973.	792.	1026.	1070.	1032.	925.	1051.	821.
CONSUMPTION	000	MBTU	24335.	19799.	25653.	26741.	25799.	23119.	26287.	20524.
FIXED FUEL COST		\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST		\$000	94821.	78738.	104052.	110868.	109027.	99782.	115811.	92279.
-----										
# 25	COOK_1									
CONSUMPTION	(GWH )	000	9537.	8756.	8768.	9537.	8736.	8787.	9537.	8729.
CONSUMPTION	000	MBTU	95365.	87589.	87683.	95366.	87357.	87870.	95365.	87292.
FIXED FUEL COST		\$000	3632.	3727.	3825.	3926.	4029.	4135.	4244.	4357.
TOTAL FUEL COST		\$000	90464.	86164.	88500.	98070.	92993.	95668.	106615.	100807.
-----										
# 26	COOK_2									
CONSUMPTION	(GWH )	000	9137.	9172.	9968.	9140.	9141.	9996.	9137.	9145.
CONSUMPTION	000	MBTU	91372.	91723.	99679.	91404.	91411.	99956.	91368.	91447.
FIXED FUEL COST		\$000	3632.	3727.	3825.	3926.	4029.	4135.	4244.	4357.
TOTAL FUEL COST		\$000	82839.	84990.	94032.	88501.	90354.	100426.	94126.	96061.
-----										
# 27	GAVI_1									
CONSUMPTION	(TONS)	000	3987.	3682.	3991.	3760.	3996.	3778.	4006.	3699.
CONSUMPTION	000	MBTU	99678.	92056.	99785.	93994.	99901.	94444.	100151.	92467.
FIXED FUEL COST		\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST		\$000	330562.	311760.	344884.	331458.	359251.	346248.	375157.	353751.

02/07/13 15:32:46 V04.0 R03.0

NewEnergy Associates  
Strategist Page

120

AEP EAST  
GENERATION AND FUEL MODULE  
FUEL DATA REPORT

AEP		2027	2028	2029	2030	2031	2032	2033	2034	
# 28	GAVI_2									
CONSUMPTION	(TONS)	000	3854.	4111.	3778.	4116.	3636.	4127.	4126.	
CONSUMPTION	000	MBTU	96342.	102778.	94460.	102899.	90905.	103173.	103155.	
FIXED FUEL COST		\$000	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST		\$000	319469.	348038.	326440.	362836.	326937.	378231.	362824.	
-----										
# 29	GLEN_5									
CONSUMPTION	(TONS)	000	0.	0.	0.	0.	0.	0.	0.	
CONSUMPTION	000	MBTU	0.	0.	0.	0.	0.	0.	0.	
FIXED FUEL COST		\$000	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST		\$000	0.	0.	0.	0.	0.	0.	0.	
-----										
# 30	GLEN_6									
CONSUMPTION	(TONS)	000	0.	0.	0.	0.	0.	0.	0.	
CONSUMPTION	000	MBTU	0.	0.	0.	0.	0.	0.	0.	
FIXED FUEL COST		\$000	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST		\$000	0.	0.	0.	0.	0.	0.	0.	
-----										
# 33	KAMM_1									
CONSUMPTION	(TONS)	000	0.	0.	0.	0.	0.	0.	0.	
CONSUMPTION	000	MBTU	0.	0.	0.	0.	0.	0.	0.	
FIXED FUEL COST		\$000	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST		\$000	0.	0.	0.	0.	0.	0.	0.	
-----										
# 34	KAMM_2									
CONSUMPTION	(TONS)	000	0.	0.	0.	0.	0.	0.	0.	
CONSUMPTION	000	MBTU	0.	0.	0.	0.	0.	0.	0.	
FIXED FUEL COST		\$000	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST		\$000	0.	0.	0.	0.	0.	0.	0.	
-----										
# 35	KAMM_3									
CONSUMPTION	(TONS)	000	0.	0.	0.	0.	0.	0.	0.	
CONSUMPTION	000	MBTU	0.	0.	0.	0.	0.	0.	0.	
FIXED FUEL COST		\$000	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST		\$000	0.	0.	0.	0.	0.	0.	0.	
-----										
# 36	KANA_1									
CONSUMPTION	(TONS)	000	0.	0.	0.	0.	0.	0.	0.	
CONSUMPTION	000	MBTU	0.	0.	0.	0.	0.	0.	0.	
FIXED FUEL COST		\$000	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST		\$000	0.	0.	0.	0.	0.	0.	0.	
-----										
# 37	KANA_2									
CONSUMPTION	(TONS)	000	0.	0.	0.	0.	0.	0.	0.	
CONSUMPTION	000	MBTU	0.	0.	0.	0.	0.	0.	0.	
FIXED FUEL COST		\$000	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST		\$000	0.	0.	0.	0.	0.	0.	0.	
-----										
# 38	KYCE_1									
CONSUMPTION	(TONS)	000	0.	0.	0.	0.	0.	0.	0.	
CONSUMPTION	000	MBTU	0.	0.	0.	0.	0.	0.	0.	
FIXED FUEL COST		\$000	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST		\$000	0.	0.	0.	0.	0.	0.	0.	
-----										
# 39	KYCE_2									

SB Output Summary.REP

CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 40 KYGE_3									
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 41 KYGE_4									
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 42 KYGE_5									
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 43 MITC_1									
CONSUMPTION (TONS) 000	1809.	1808.	1597.	1816.	1584.	1814.	1664.	1806.	
CONSUMPTION 000 MBTU	44763.	44736.	39537.	44957.	39207.	44900.	41180.	44695.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	174399.	178764.	162337.	189068.	168824.	198250.	186348.	207166.	
-----									
# 44 MITC_2									
CONSUMPTION (TONS) 000	1805.	1596.	1808.	1811.	1812.	1600.	1817.	1802.	
CONSUMPTION 000 MBTU	44674.	39508.	44751.	44810.	44858.	39610.	44980.	44612.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	174034.	157875.	183737.	188440.	193120.	174877.	203548.	206767.	
-----									
# 45 MTNR_6.0									
CONSUMPTION (TONS) 000	3943.	3725.	3947.	3727.	3880.	3746.	3884.	3578.	
CONSUMPTION 000 MBTU	98582.	93123.	98674.	93185.	97007.	93654.	97097.	89456.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	320039.	308829.	334139.	322065.	342067.	336779.	355970.	335084.	
-----									
# 46 MUSK_1									
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
-----									
# 47 MUSK_2									
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
-----									
# 48 MUSK_3									
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
-----									
# 49 MUSK_4									
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
-----									
# 50 MUSK_5									
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
-----									
# 51 PSPN_1									
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
-----									
# 52 PSPN_2									
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
-----									
# 53 PSPN_3									
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
-----									
# 54 PSPN_4									
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.	0.	
-----									
# 55 PSPN_5									
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.	0.	

SB Output Summary.REP

FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 56 PICW_5									
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.

02/07/13 15:32:46 W04.0 R03.0

NewEnergy Associates  
Strategist Page

121

AEP EAST  
GENERATION AND FUEL MODULE  
FUEL DATA REPORT

AEP		2027	2028	2029	2030	2031	2032	2033	2034
# 58 ROCK_LIM									
CONSUMPTION (TONS)	000	583.	617.	582.	618.	536.	619.	621.	585.
CONSUMPTION	000	12306.	13027.	12292.	13044.	11324.	13082.	13108.	12364.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	36885.	40088.	38810.	42224.	37565.	44568.	45705.	44222.
-----									
# 59 ROCK_2IM									
CONSUMPTION (TONS)	000	500.	450.	473.	363.	486.	515.	447.	501.
CONSUMPTION	000	9214.	8297.	8708.	6692.	8958.	9492.	8230.	9228.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	36096.	33334.	35855.	28285.	38852.	42213.	37590.	43248.
-----									
# 61 STUA_1									
CONSUMPTION (TONS)	000	447.	449.	477.	448.	447.	478.	447.	403.
CONSUMPTION	000	10290.	10342.	10982.	10313.	10291.	11006.	10293.	9289.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	36698.	37603.	40809.	39149.	39884.	43536.	41541.	38232.
-----									
# 62 STUA_2									
CONSUMPTION (TONS)	000	455.	487.	455.	456.	486.	457.	456.	487.
CONSUMPTION	000	10490.	11231.	10486.	10506.	11208.	10531.	10505.	11219.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	37408.	40835.	38967.	39879.	43440.	41658.	42390.	46169.
-----									
# 63 STUA_3									
CONSUMPTION (TONS)	000	441.	472.	443.	445.	474.	446.	446.	476.
CONSUMPTION	000	10162.	10866.	10200.	10244.	10920.	10286.	10277.	10963.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	36239.	39509.	37903.	38884.	42321.	40690.	41474.	45119.
-----									
# 64 STUA_4									
CONSUMPTION (TONS)	000	452.	483.	453.	454.	484.	409.	454.	484.
CONSUMPTION	000	10413.	11134.	10427.	10449.	11144.	9416.	10452.	11160.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	37135.	40483.	38749.	39662.	43193.	37246.	42180.	45928.
-----									
# 65 BSI_CC									
CONSUMPTION (MCF)	000	6427.	6426.	5354.	6515.	0.	0.	0.	0.
CONSUMPTION	000	6620.	6618.	5514.	6711.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	45952.	46906.	39955.	49173.	0.	0.	0.	0.
-----									
# 66 TANN_1									
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 67 TANN_2									
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 68 TANN_3									
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 69 TANN_4									
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION	000	0.	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
-----									
# 70 ZIMM_1									
CONSUMPTION (TONS)	000	884.	1048.	1046.	942.	1049.	1052.	886.	1049.
CONSUMPTION	000	21211.	25141.	25105.	22614.	25175.	25252.	21269.	25174.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	70770.	85889.	87521.	80651.	91537.	93833.	80735.	97820.
-----									
# 71 TCO_POOL									
CONSUMPTION (MCF)	000	33730.	33074.	33680.	33557.	35095.	34082.	33858.	34047.
CONSUMPTION	000	34741.	34066.	34690.	34563.	36148.	35104.	34874.	35068.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	288761.	289675.	301258.	304675.	324380.	321345.	325345.	333079.
-----									
# 72 DOMINON									
CONSUMPTION (MCF)	000	55236.	62361.	57901.	60571.	71532.	71164.	74735.	75650.
CONSUMPTION	000	56893.	64232.	59638.	62388.	73678.	73299.	76977.	77919.



SB Output Summary.REP

	FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.	0.	
	TOTAL FUEL COST	\$000	477696.	549697.	522290.	553507.	665980.	675124.	722261.	743532.
-----										
# 73 TCO DELV	CONSUMPTION (MCF) 000		21684.	22451.	22259.	22211.	22251.	22595.	22491.	22291.
	CONSUMPTION 000 MBTU		22334.	23125.	22926.	22878.	22919.	23272.	23165.	22960.
	FIXED FUEL COST \$000		0.	0.	0.	0.	0.	0.	0.	0.
	TOTAL FUEL COST \$000		194904.	206126.	208698.	211258.	215331.	222785.	225904.	228064.
-----										
# 74 CEREDO	CONSUMPTION (MCF) 000		0.	0.	0.	0.	0.	0.	0.	0.
	CONSUMPTION 000 MBTU		0.	0.	0.	0.	0.	0.	0.	0.
	FIXED FUEL COST \$000		0.	0.	0.	0.	0.	0.	0.	0.
	TOTAL FUEL COST \$000		0.	0.	0.	0.	0.	0.	0.	0.
-----										
# 75 DARBY	CONSUMPTION (MCF) 000		0.	0.	0.	0.	0.	0.	0.	0.
	CONSUMPTION 000 MBTU		0.	0.	0.	0.	0.	0.	0.	0.
	FIXED FUEL COST \$000		0.	0.	0.	0.	0.	0.	0.	0.
	TOTAL FUEL COST \$000		0.	0.	0.	0.	0.	0.	0.	0.
-----										
# 76 DRESDEN	CONSUMPTION (MCF) 000		0.	0.	0.	0.	0.	0.	0.	0.
	CONSUMPTION 000 MBTU		0.	0.	0.	0.	0.	0.	0.	0.
	FIXED FUEL COST \$000		0.	0.	0.	0.	0.	0.	0.	0.
	TOTAL FUEL COST \$000		0.	0.	0.	0.	0.	0.	0.	0.
-----										
# 77 LANRNG	CONSUMPTION (MCF) 000		0.	0.	0.	0.	0.	0.	0.	0.
	CONSUMPTION 000 MBTU		0.	0.	0.	0.	0.	0.	0.	0.
	FIXED FUEL COST \$000		0.	0.	0.	0.	0.	0.	0.	0.
	TOTAL FUEL COST \$000		0.	0.	0.	0.	0.	0.	0.	0.
-----										
# 78 ROEMONE	CONSUMPTION (MCF) 000		0.	0.	0.	0.	0.	0.	0.	0.
	CONSUMPTION 000 MBTU		0.	0.	0.	0.	0.	0.	0.	0.
	FIXED FUEL COST \$000		0.	0.	0.	0.	0.	0.	0.	0.
	TOTAL FUEL COST \$000		0.	0.	0.	0.	0.	0.	0.	0.
-----										
# 79 WATERFOR	CONSUMPTION (MCF) 000		0.	0.	0.	0.	0.	0.	0.	0.
	CONSUMPTION 000 MBTU		0.	0.	0.	0.	0.	0.	0.	0.
	FIXED FUEL COST \$000		0.	0.	0.	0.	0.	0.	0.	0.
	TOTAL FUEL COST \$000		0.	0.	0.	0.	0.	0.	0.	0.
-----										
# 80 ROCK 5.1	CONSUMPTION (TONS) 000		6113.	5663.	5407.	5964.	5338.	6205.	6092.	6009.
	CONSUMPTION 000 MBTU		129108.	119603.	114195.	125955.	112735.	131040.	128665.	126916.
	FIXED FUEL COST \$000		0.	0.	0.	0.	0.	0.	0.	0.
	TOTAL FUEL COST \$000		380507.	359663.	350232.	395116.	360385.	426775.	428033.	431101.
-----										
# 81 MRS NGCC	CONSUMPTION (MCF) 000		25109.	25154.	25080.	25179.	25209.	25283.	25202.	25177.
	CONSUMPTION 000 MBTU		25862.	25909.	25833.	25935.	25965.	26042.	25958.	25932.
	FIXED FUEL COST \$000		0.	0.	0.	0.	0.	0.	0.	0.
	TOTAL FUEL COST \$000		213877.	218670.	223196.	226928.	230050.	233336.	235439.	238054.
-----										
# 82 BS RPWR	CONSUMPTION (MCF) 000		0.	0.	0.	0.	0.	0.	0.	0.
	CONSUMPTION 000 MBTU		0.	0.	0.	0.	0.	0.	0.	0.
	FIXED FUEL COST \$000		0.	0.	0.	0.	0.	0.	0.	0.
	TOTAL FUEL COST \$000		0.	0.	0.	0.	0.	0.	0.	0.
-----										
# 83 BS NGCC	CONSUMPTION (MCF) 000		11991.	11855.	11825.	12025.	12556.	12709.	12864.	12951.
	CONSUMPTION 000 MBTU		12351.	12211.	12180.	12386.	12933.	13090.	13249.	13340.
	FIXED FUEL COST \$000		0.	0.	0.	0.	0.	0.	0.	0.
	TOTAL FUEL COST \$000		94120.	95129.	97016.	100190.	106856.	110132.	113495.	116350.

02/07/13 15:32:46 V04.0 R03.0

NewEnergy Associates  
Strategist Page 122

AEP EAST  
GENERATION AND FUEL MODULE  
FUEL DATA REPORT

AEP		2035	2036	2037	2038	2039	2040
# 1 AMOS_1	CONSUMPTION (TONS) 000	2066.	1922.	2038.	2078.	2056.	2030.
	CONSUMPTION 000 MBTU	51654.	48057.	50939.	51938.	51389.	50756.
	FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
	TOTAL FUEL COST \$000	247674.	234720.	253910.	263561.	265904.	267703.
-----							
# 2 AMOS_2	CONSUMPTION (TONS) 000	2129.	2149.	2104.	2137.	2116.	2113.
	CONSUMPTION 000 MBTU	53224.	53715.	52600.	53422.	52907.	52825.
	FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
	TOTAL FUEL COST \$000	255214.	262398.	262184.	271105.	273751.	278630.
-----							
# 3 AMOS_3	CONSUMPTION (TONS) 000	3521.	3535.	3147.	3537.	3176.	3511.
	CONSUMPTION 000 MBTU	88030.	88376.	78674.	88414.	79402.	87775.
	FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
	TOTAL FUEL COST \$000	422096.	431719.	392115.	448661.	410812.	462952.
-----							
# 4 BECK_6	CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.
	CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.

SB Output Summary.REP

FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.
-----							
# 5 BIGS_1							
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.
-----							
# 6 BIGS_2							
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.
-----							
# 7 CARD_1							
CONSUMPTION (TONS)	000	1485.	1338.	1522.	1332.	1332.	1491.
CONSUMPTION	000 MBTU	37137.	33454.	38038.	33307.	33292.	37278.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	138370.	126996.	147049.	131082.	133348.	152303.
-----							
# 8 CARD_2							
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.
-----							
# 9 CARD_3							
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.
-----							
# 10 CLIF_1							
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.
-----							
# 11 CLIF_2							
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.
-----							
# 12 CLIF_3							
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.
-----							
# 13 CLIF_4							
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.
-----							
# 14 CLIF_5							
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.
-----							
# 15 CLIF_6							
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.
-----							
# 16 CLIN_1							
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.
-----							
# 17 CLIN_2							
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.
-----							
# 18 CLIN_3							
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.
-----							
# 19 CSVL_1							
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.
-----							
# 20 CSVL_2							
CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.	0.
CONSUMPTION	000 MBTU	0.	0.	0.	0.	0.	0.
FIXED FUEL COST	\$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.	0.

SB Output Summary.REP

-----						
# 21	CSVL 3					
	CONSUMPTION (TONS)	000	0.	0.	0.	0.
	CONSUMPTION	000	0.	0.	0.	0.
	FIXED FUEL COST	\$000	0.	0.	0.	0.
	TOTAL FUEL COST	\$000	0.	0.	0.	0.
-----						
# 22	CSVL 4		960.	1030.	1026.	967.
	CONSUMPTION (TONS)	000	22082.	23683.	23594.	22242.
	CONSUMPTION	000	22082.	23683.	23594.	22242.
	FIXED FUEL COST	\$000	0.	0.	0.	0.
	TOTAL FUEL COST	\$000	103900.	113566.	115253.	110652.
-----						
# 23	CSVL 5		819.	1032.	1033.	926.
	CONSUMPTION (TONS)	000	20482.	25811.	25828.	23139.
	CONSUMPTION	000	20482.	25811.	25828.	23139.
	FIXED FUEL COST	\$000	0.	0.	0.	0.
	TOTAL FUEL COST	\$000	93934.	120683.	123084.	112356.
-----						
# 24	CSVL 6		1001.	1000.	1063.	907.
	CONSUMPTION (TONS)	000	25030.	24989.	26574.	22671.
	CONSUMPTION	000	25030.	24989.	26574.	22671.
	FIXED FUEL COST	\$000	0.	0.	0.	0.
	TOTAL FUEL COST	\$000	114787.	116834.	126641.	110090.
-----						
# 25	COOK 1		8559.	0.	0.	0.
	CONSUMPTION (GWH)	000	85586.	0.	0.	0.
	CONSUMPTION	000	85586.	0.	0.	0.
	FIXED FUEL COST	\$000	4472.	0.	0.	0.
	TOTAL FUEL COST	\$000	101729.	0.	0.	0.
-----						
# 26	COOK 2		9968.	9168.	9143.	0.
	CONSUMPTION (GWH)	000	99679.	91684.	91427.	0.
	CONSUMPTION	000	99679.	91684.	91427.	0.
	FIXED FUEL COST	\$000	4472.	4591.	4713.	0.
	TOTAL FUEL COST	\$000	106319.	98353.	98173.	0.
-----						
# 27	GAVI 1		4010.	3786.	4016.	3699.
	CONSUMPTION (TONS)	000	100254.	94644.	100406.	92469.
	CONSUMPTION	000	100254.	94644.	100406.	92469.
	FIXED FUEL COST	\$000	0.	0.	0.	0.
	TOTAL FUEL COST	\$000	390555.	376290.	406188.	381514.

02/07/13 15:32:46 V04.0 R03.0

NewEnergy Associates  
Strategist Page 123

AEP EAST  
GENERATION AND FUEL MODULE  
FUEL DATA REPORT

AEP		2035	2036	2037	2038	2039	2040
# 28	GAVI 2						
	CONSUMPTION (TONS)	000	3234.	4141.	3882.	4133.	3803.
	CONSUMPTION	000	80841.	103525.	97053.	103319.	95071.
	FIXED FUEL COST	\$000	0.	0.	0.	0.	0.
	TOTAL FUEL COST	\$000	314927.	411578.	392586.	426236.	399769.
-----							
# 29	GLEN 5		0.	0.	0.	0.	0.
	CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.
	CONSUMPTION	000	0.	0.	0.	0.	0.
	FIXED FUEL COST	\$000	0.	0.	0.	0.	0.
	TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.
-----							
# 30	GLEN 6		0.	0.	0.	0.	0.
	CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.
	CONSUMPTION	000	0.	0.	0.	0.	0.
	FIXED FUEL COST	\$000	0.	0.	0.	0.	0.
	TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.
-----							
# 33	KAMM 1		0.	0.	0.	0.	0.
	CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.
	CONSUMPTION	000	0.	0.	0.	0.	0.
	FIXED FUEL COST	\$000	0.	0.	0.	0.	0.
	TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.
-----							
# 34	KAMM 2		0.	0.	0.	0.	0.
	CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.
	CONSUMPTION	000	0.	0.	0.	0.	0.
	FIXED FUEL COST	\$000	0.	0.	0.	0.	0.
	TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.
-----							
# 35	KAMM 3		0.	0.	0.	0.	0.
	CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.
	CONSUMPTION	000	0.	0.	0.	0.	0.
	FIXED FUEL COST	\$000	0.	0.	0.	0.	0.
	TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.
-----							
# 36	KANA 1		0.	0.	0.	0.	0.
	CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.
	CONSUMPTION	000	0.	0.	0.	0.	0.
	FIXED FUEL COST	\$000	0.	0.	0.	0.	0.
	TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.
-----							
# 37	KANA 2		0.	0.	0.	0.	0.
	CONSUMPTION (TONS)	000	0.	0.	0.	0.	0.
	CONSUMPTION	000	0.	0.	0.	0.	0.
	FIXED FUEL COST	\$000	0.	0.	0.	0.	0.
	TOTAL FUEL COST	\$000	0.	0.	0.	0.	0.

SB Output Summary.REP

-----							
# 38 KYGE_1							
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.
-----							
# 39 KYGE_2							
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.
-----							
# 40 KYGE_3							
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.
-----							
# 41 KYGE_4							
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.
-----							
# 42 KYGE_5							
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	0.
-----							
# 43 MITC_1							
CONSUMPTION (TONS) 000	1732.	1602.	1809.	1813.	1609.	1827.	
CONSUMPTION 000 MBTU	42876.	39647.	44766.	44878.	39821.	45219.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	203891.	192089.	220919.	225502.	203677.	235793.	
-----							
# 44 MITC_2							
CONSUMPTION (TONS) 000	1588.	1822.	1812.	1602.	1823.	1827.	
CONSUMPTION 000 MBTU	39294.	45103.	44859.	39639.	45121.	45209.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	186838.	218525.	221355.	199184.	230781.	235724.	
-----							
# 45 MTRN_6.0							
CONSUMPTION (TONS) 000	3892.	2987.	3971.	3746.	3981.	3756.	
CONSUMPTION 000 MBTU	97304.	74678.	99287.	93643.	99516.	93891.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	371308.	290223.	393733.	377893.	408559.	392967.	
-----							
# 46 MUSK_1							
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	
-----							
# 47 MUSK_2							
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	
-----							
# 48 MUSK_3							
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	
-----							
# 49 MUSK_4							
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	
-----							
# 50 MUSK_5							
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	
-----							
# 51 PSPN_1							
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	
-----							
# 52 PSPN_2							
CONSPNION (TONS) 000	0.	0.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	
-----							
# 53 PSPN_3							
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.	
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.	
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.	
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.	
-----							
# 54 PSPN_4							

SB Output Summary.REP

CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.
-----						
# 55 PSPN_5						
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.
-----						
# 56 PICW_5						
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.

02/07/13 15:32:47 V04.0 R03.0

NewEnergy Associates  
Strategist Page 124

AEP EAST  
GENERATION AND FUEL MODULE  
FUEL DATA REPORT

AEP	2035	2036	2037	2038	2039	2040
# 58 ROCK_1IM						
CONSUMPTION (TONS) 000	619.	590.	625.	544.	629.	632.
CONSUMPTION 000 MBTU	13064.	12458.	13201.	11497.	13289.	13347.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	47899.	46555.	50249.	44685.	52574.	53870.
-----						
# 59 ROCK_2IM						
CONSUMPTION (TONS) 000	382.	457.	485.	437.	488.	370.
CONSUMPTION 000 MBTU	7041.	8419.	8937.	8052.	8993.	6827.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	33844.	41394.	44919.	41358.	47270.	36629.
-----						
# 61 STUA_1						
CONSUMPTION (TONS) 000	478.	450.	449.	479.	449.	451.
CONSUMPTION 000 MBTU	11016.	10365.	10347.	11031.	10345.	10390.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	46326.	44420.	45271.	49251.	47021.	48158.
-----						
# 62 STUA_2						
CONSUMPTION (TONS) 000	456.	458.	487.	456.	457.	489.
CONSUMPTION 000 MBTU	10517.	10545.	11223.	10514.	10521.	11259.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	44229.	45187.	49100.	46946.	47818.	52181.
-----						
# 63 STUA_3						
CONSUMPTION (TONS) 000	447.	449.	477.	447.	448.	479.
CONSUMPTION 000 MBTU	10299.	10352.	10987.	10308.	10323.	11040.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	43313.	44361.	48070.	46028.	46919.	51170.
-----						
# 64 STUA_4						
CONSUMPTION (TONS) 000	454.	456.	485.	455.	455.	487.
CONSUMPTION 000 MBTU	10468.	10508.	11179.	10485.	10493.	11222.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	44023.	45031.	48912.	46819.	47693.	52012.
-----						
# 65 BSL_CC						
CONSUMPTION (MCF) 000	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.
-----						
# 66 TANN_1						
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.
-----						
# 67 TANN_2						
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.
-----						
# 68 TANN_3						
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.
-----						
# 69 TANN_4						
CONSUMPTION (TONS) 000	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.
-----						
# 70 ZIMM_1						
CONSUMPTION (TONS) 000	1049.	948.	1051.	1050.	888.	1053.
CONSUMPTION 000 MBTU	25174.	22742.	25234.	25202.	21303.	25282.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	99831.	92011.	104100.	106237.	91502.	110867.
-----						
# 71 TCO_POOL						

SB Output Summary.REP

CONSUMPTION (MCF) 000	34186.	34121.	34831.	34304.	35164.	34408.
CONSUMPTION 000 MBTU	35212.	35144.	35876.	35333.	36219.	35441.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	340381.	346406.	359950.	361327.	377008.	376205.
-----						
# 72 DOMINGO						
CONSUMPTION (MCF) 000	71135.	78701.	74556.	73177.	71640.	73768.
CONSUMPTION 000 MBTU	73269.	81062.	76793.	75372.	73789.	75981.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	712597.	802473.	774931.	775014.	773380.	809348.
-----						
# 73 TCO DELV						
CONSUMPTION (MCF) 000	21879.	22308.	22010.	29506.	29607.	21959.
CONSUMPTION 000 MBTU	22536.	22977.	22670.	30392.	30495.	22618.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	227715.	236245.	237436.	322469.	329458.	250105.
-----						
# 74 CEREDO						
CONSUMPTION (MCF) 000	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.
-----						
# 75 DAREY						
CONSUMPTION (MCF) 000	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.
-----						
# 76 DRESDEN						
CONSUMPTION (MCF) 000	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.
-----						
# 77 LAWING						
CONSUMPTION (MCF) 000	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.
-----						
# 78 ROEMOME						
CONSUMPTION (MCF) 000	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.
-----						
# 79 WATERFOR						
CONSUMPTION (MCF) 000	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.
-----						
# 80 ROCK 5.1						
CONSUMPTION (TONS) 000	5134.	5237.	5820.	5516.	5859.	5340.
CONSUMPTION 000 MBTU	108434.	110603.	122923.	116501.	123739.	112787.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	375882.	390040.	442086.	427149.	462329.	429297.
-----						
# 81 MRS NGCC						
CONSUMPTION (MCF) 000	25136.	25198.	25163.	25050.	25102.	25097.
CONSUMPTION 000 MBTU	25890.	25954.	25918.	25801.	25855.	25850.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	240518.	243969.	246480.	248468.	251827.	254881.
-----						
# 82 BS RPWR						
CONSUMPTION (MCF) 000	0.	0.	0.	0.	0.	0.
CONSUMPTION 000 MBTU	0.	0.	0.	0.	0.	0.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	0.	0.	0.	0.	0.	0.
-----						
# 83 BS NGCC						
CONSUMPTION (MCF) 000	12775.	13272.	13317.	13296.	13412.	13316.
CONSUMPTION 000 MBTU	13159.	13670.	13716.	13695.	13814.	13716.
FIXED FUEL COST \$000	0.	0.	0.	0.	0.	0.
TOTAL FUEL COST \$000	116866.	123910.	126728.	128964.	132566.	134127.

02/07/13 15:32:47 V04.0 R03.0

NewEnergy Associates  
Strategist Page 125

AEP EAST  
GENERATION AND FUEL MODULE  
EMISSIONS RELEASED REPORT

EFFLUENT: CO2 (S) (INDEX # 2)  
AMOUNT RELEASED (M\_KTONS)

	2011	2012	2013	2014	2015	2016	2017	2018
---- AIR BASIN: AEP SYS ----								
NAME NUMBER INDEX								
THERMAL UNITS								
AMOS 1 1	4935.6	5034.0	3743.1	4870.2	3894.0	4908.5	4604.1	4980.9
AMOS 2 2	5402.3	3965.5	4761.7	4884.2	4499.1	4976.2	5074.4	4665.8
AMOS_OP 3 3	4799.7	5919.8	4672.4	5458.6	5001.3	5514.1	5070.7	5579.4
BECKJORD 6 4	305.3	326.6	274.3	324.8	0.0	0.0	0.0	0.0

SB Output Summary.REP

BIG SAND	1	5	605.5	359.8	300.6	192.6	170.9	0.0	0.0	0.0
BIG SAND	2	6	3401.2	2030.2	1854.5	1199.6	425.6	0.0	0.0	0.0
CARD 1+2	1	7	2473.0	1693.6	3712.8	3154.7	3510.6	3633.7	3192.4	3548.8
CARD 1+2	2	8	4262.7	4027.4	3593.6	4211.3	3944.9	3591.1	4292.2	3944.3
CARD 3	3	9	2782.6	4009.7	3621.3	4173.0	4340.3	3885.8	4253.8	4480.2
CLINCH R	1	16	311.2	690.7	541.5	882.4	0.0	0.0	0.0	0.0
CLINCH R	2	17	535.0	540.4	474.0	694.5	0.0	0.0	0.0	0.0
CLINCH R	3	18	74.0	77.1	65.8	112.7	0.0	0.0	0.0	0.0
ROCKP_KP	1	19	1286.6	1166.3	959.2	733.5	706.9	0.0	0.0	0.0
ROCKP_KP	2	20	1364.6	959.7	622.4	935.8	197.4	0.0	0.0	0.0
CSVL 1-4	3	21	534.2	621.8	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 1-4	4	22	1627.8	1238.7	1504.4	1961.9	1670.8	2027.5	2063.8	2078.6
CSVL 5+6	5	23	2386.8	2334.5	2450.1	2684.4	2036.3	2755.5	2966.8	2634.9
CSVL 5+6	6	24	2321.4	2419.6	2116.4	2671.7	2554.7	2186.4	2975.9	2986.8
GAVIN	1	27	9438.9	8900.5	9068.5	8368.9	8952.1	8684.3	9349.8	8562.6
GAVIN	2	28	8529.5	9661.2	8814.6	9357.2	7240.0	9507.6	9018.2	9577.8
GLEN LYN	5	29	13.0	13.8	10.0	8.8	0.0	0.0	0.0	0.0
GLEN LYN	6	30	64.3	77.3	42.9	48.5	0.0	0.0	0.0	0.0
KAMMER	1	33	957.4	1309.3	1179.9	1073.5	0.0	0.0	0.0	0.0
KAMMER	2	34	954.1	1224.3	1182.4	1143.5	0.0	0.0	0.0	0.0
KAMMER	3	35	668.6	806.4	668.6	687.1	0.0	0.0	0.0	0.0
KANAWHA	1	36	396.6	908.8	774.1	772.3	0.0	0.0	0.0	0.0
KANAWHA	2	37	466.0	988.9	751.0	808.2	0.0	0.0	0.0	0.0
MITCHELL	1	43	3686.5	4350.9	3820.0	4314.4	4163.8	3877.5	4342.9	4334.8
MITCHELL	2	44	4105.8	3675.2	4101.2	4274.6	3786.4	4393.0	4323.4	3811.9
MOUNT_ER	1	45	8183.9	8980.2	8822.0	8342.2	8863.8	7027.9	9472.0	8921.2
MUSK RVR	1	46	863.3	750.7	581.4	705.7	0.0	0.0	0.0	0.0
MUSK RVR	2	47	863.4	853.0	708.1	779.9	0.0	0.0	0.0	0.0
MUSK RVR	3	48	878.9	802.4	677.9	743.5	0.0	0.0	0.0	0.0
MUSK RVR	4	49	125.2	113.3	96.1	104.7	0.0	0.0	0.0	0.0
MUSK RVR	5	50	3233.2	2856.8	3446.3	3349.4	1350.1	0.0	0.0	0.0
P SPORN	1	51	427.6	429.4	391.7	272.8	0.0	0.0	0.0	0.0
P SPORN	2	52	390.7	514.0	257.4	364.1	0.0	0.0	0.0	0.0
P SPORN	3	53	62.0	70.0	54.3	48.2	0.0	0.0	0.0	0.0
P SPORN	4	54	56.8	69.7	41.2	48.6	0.0	0.0	0.0	0.0
PICWAY	5	56	13.1	21.4	12.0	18.2	0.0	0.0	0.0	0.0
RPRUN_IM	1	58	3961.3	6301.6	4439.6	5527.1	5941.5	0.0	0.0	0.0
ROCKP_IM	2	59	6733.4	5825.7	6766.7	6048.1	1859.3	0.0	0.0	0.0
STUART	1	61	989.4	942.1	909.1	982.8	917.4	852.6	1036.8	983.7
STUART	2	62	853.4	958.2	993.3	940.1	946.9	1047.7	998.4	1000.6
STUART	3	63	833.2	938.2	963.9	923.7	912.7	1003.5	961.4	968.7
STUART	4	64	941.8	954.7	983.3	840.6	931.0	1022.8	985.1	993.1
AMOS AP	3	65	2402.9	2880.9	2295.6	2645.1	2398.0	2641.2	2408.0	2657.1
TANN 1-3	1	66	48.2	52.9	35.6	42.9	0.0	0.0	0.0	0.0
TANN 1-3	2	67	51.2	55.9	37.4	45.2	0.0	0.0	0.0	0.0
TANN 4	4	69	1326.1	1751.4	1029.9	0.0	0.0	0.0	0.0	0.0
ZIMMER	1	70	2163.2	1763.8	2138.0	2184.2	1922.3	2363.9	2406.2	2174.5
RP2D_KP	959	959	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP2D_IM	960	960	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSV6_SCR	961	961	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSV5_SCR	962	962	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP1D_KP	964	964	0.0	0.0	0.0	0.0	0.0	1376.8	1313.4	1427.2
RP1D_03	965	965	0.0	0.0	0.0	0.0	0.0	7188.0	5405.7	6821.3
RP2TR_KP	969	969	0.0	0.0	0.0	0.0	580.7	931.9	1077.9	993.3
RP2TR_IM	971	971	0.0	0.0	0.0	0.0	3536.5	4134.8	5384.0	4285.0
T4_TRONA	998	998	0.0	0.0	0.0	1515.0	1183.2	1376.3	1261.4	0.0
-----			-----	-----	-----	-----	-----	-----	-----	-----
TOTAL AIR BASIN EMISSIONS			104092.4	107218.3	101362.4	106475.2	88438.6	90908.8	94238.6	92412.5
-----			-----	-----	-----	-----	-----	-----	-----	-----
TOTAL SYSTEM EMISSIONS			104092.3	107218.3	101362.4	106475.1	88438.6	90908.8	94238.6	92412.6

EFFLUENT: CO2 (S) (INDEX # 2)  
AMOUNT RELEASED (M\_KTONS)

2019 2020 2021 2022 2023 2024 2025 2026

---- AIR BASIN: AEPSPYS ----  
NAME NUMBER INDEX

THERMAL UNITS

AMOS	1	1	4970.9	4418.0	5016.1	4792.8	4801.8	4237.0	4864.5	4514.1
AMOS	2	2	5066.4	5092.6	4887.7	4930.9	4549.0	4974.6	5004.0	5022.7
AMOS OP	3	3	5146.8	5609.4	5285.9	5004.7	5027.9	5072.0	5643.6	5625.1
BECKFORD	6	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIG SAND	1	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIG SAND	2	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CARD 1+2	1	7	3782.4	3197.5	3639.9	3143.0	3507.7	3170.6	3602.0	3148.5
CARD 1+2	2	8	3547.9	4249.5	3970.3	3497.5	4153.7	3901.0	3513.1	4172.1
CARD 3	3	9	3878.1	4326.7	4339.9	4242.7	4292.5	3634.6	4067.2	4319.9
CLINCH R	1	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CLINCH R	2	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CLINCH R	3	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ROCKP_KP	1	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ROCKP_KP	2	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 1-4	3	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 1-4	4	22	2047.2	2216.7	2329.8	2226.7	2011.3	2165.4	2162.0	2028.7
CSVL 5+6	5	23	2633.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 5+6	6	24	2527.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GAVIN	1	27	9386.2	8865.2	9405.9	8710.9	9252.2	8595.6	9306.7	8740.9
GAVIN	2	28	8890.2	9710.1	8559.3	9514.4	8953.7	9577.1	7481.6	9562.1
GLEN LYN	5	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GLEN LYN	6	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KAMMER	1	33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KAMMER	2	34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KAMMER	3	35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KANAWHA	1	36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KANAWHA	2	37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

SB Output Summary.REP

MITCHELL	1	43	3871.8	4424.0	3870.1	4291.6	3908.1	4278.8	4082.1	3740.6
MITCHELL	2	44	4341.6	4358.9	4360.2	3763.1	4247.0	4262.5	3735.4	4247.7
MOUNT_ER	1	45	9486.4	8961.4	9314.8	8738.8	9082.9	8438.1	9147.5	6976.5
MUSK RVR	1	46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	2	47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	3	48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	4	49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	5	50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	1	51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	2	52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	3	53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	4	54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PICWAY	5	56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RPRUN_IM	1	58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ROCKP_IM	2	59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STUART	1	61	981.4	1054.4	987.7	978.8	1045.1	985.9	881.1	1045.9
STUART	2	62	1065.0	1003.5	1001.8	1063.8	997.7	1001.8	1065.4	998.1
STUART	3	63	1042.6	985.0	985.9	1032.0	967.9	974.3	1037.1	971.3
STUART	4	64	1061.1	1003.8	1002.5	1054.5	886.3	996.5	1060.6	993.8
AMOS AP	3	65	2388.2	2667.6	2520.9	2312.9	2322.6	2338.9	2589.1	2596.9
TANN 1-3	1	66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANN 1-3	2	67	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANN 4	4	69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ZIMMER	1	70	2413.7	2430.7	2044.4	2366.1	2366.4	2145.1	2380.0	2382.1
RP2D_KP	959	959	0.0	837.0	1194.2	926.5	805.6	960.0	709.1	827.0
RP2D_IM	960	960	0.0	7499.4	7117.1	7159.5	6604.4	5384.8	7229.7	5942.2
CSV6_SCR	961	961	0.0	2197.9	2506.7	2515.3	2176.7	2416.8	1912.3	2513.5
CSV5_SCR	962	962	0.0	2470.7	2578.5	2192.9	2330.9	2389.4	1894.8	2364.0
RP1D_KP	964	964	1432.2	1359.2	1415.0	1194.2	1264.4	1102.0	1272.7	1252.7
RP1D_O3	965	965	6938.8	5577.8	6001.1	5101.9	3992.9	5577.3	5156.3	5552.7
RP2TR_KP	969	969	1095.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP2TR_IM	971	971	3157.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
T4_TRONA	998	998	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-----			-----	-----	-----	-----	-----	-----	-----	-----
TOTAL AIR BASIN EMISSIONS			91152.6	94516.8	94335.6	90755.3	89550.8	88580.1	89797.9	89539.0
-----			-----	-----	-----	-----	-----	-----	-----	-----
TOTAL SYSTEM EMISSIONS			91152.6	94516.8	94335.6	90755.3	89550.8	88580.1	89797.9	89539.0

EFFLUENT: CO2 (S) (INDEX # 2)  
AMOUNT RELEASED (M\_KTONS)

2027 2028 2029 2030 2031 2032 2033 2034

---- AIR BASIN: AEPSPYS ----  
NAME NUMBER INDEX

THERMAL UNITS

AMOS	1	1	4808.3	4869.7	4222.5	4883.3	4494.2	4891.1	4883.5	4267.2
AMOS	2	2	4955.5	4592.5	4964.5	5026.4	5014.9	5020.6	4619.9	4991.0
AMOS_OP	3	3	5049.9	5086.7	5086.5	5670.7	5685.8	5099.9	5154.9	5142.3
BECKJORD	6	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIG SAND	1	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIG SAND	2	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

02/07/13 15:32:47 V04.0 R03.0

NewEnergy Associates  
Strategist Page 126

AEP EAST  
GENERATION AND FUEL MODULE  
EMISSIONS RELEASED REPORT

EFFLUENT: CO2 (S) (INDEX # 2)  
AMOUNT RELEASED (M\_KTONS)

2027 2028 2029 2030 2031 2032 2033 2034

---- AIR BASIN: AEPSPYS ----  
NAME NUMBER INDEX

CARD 1+2	1	7	3515.4	3166.6	3599.8	3156.4	3527.6	3178.1	3613.4	3166.8
CARD 1+2	2	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CARD 3	3	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CLINCH R	1	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CLINCH R	2	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CLINCH R	3	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ROCKP_KP	1	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ROCKP_KP	2	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 1-4	3	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 1-4	4	22	2170.8	2173.0	2045.6	2188.8	2195.4	2070.2	2202.8	2215.3
CSVL 5+6	5	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 5+6	6	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GAVIN	1	27	9282.3	8572.6	9292.4	8753.1	9303.1	8795.0	9326.4	8610.9
GAVIN	2	28	8971.7	9571.0	8796.4	9582.3	8465.4	9607.8	9020.2	9606.2
GLEN LYN	5	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GLEN LYN	6	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KAMMER	1	33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KAMMER	2	34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KAMMER	3	35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KANAWHA	1	36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KANAWHA	2	37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MITCHELL	1	43	4238.9	4236.4	3744.0	4257.3	3712.8	4251.9	3899.6	4232.5
MITCHELL	2	44	4230.5	3741.3	4237.8	4243.4	4247.9	3751.0	4259.5	4224.6
MOUNT_ER	1	45	9318.0	8802.0	9326.7	8807.9	9169.1	8852.2	9177.7	8455.4
MUSK RVR	1	46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	2	47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	3	48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	4	49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



SB Output Summary.REP

MUSK RVR	5	50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	1	51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	2	52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	3	53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	4	54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PICWAY	5	56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RPRUN_IM	1	58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ROCKP_IM	2	59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STUART	1	61	979.9	984.8	1045.8	982.1	979.9	1048.0	980.2	884.5	884.5
STUART	2	62	998.9	1069.4	998.5	1000.5	1067.3	1002.8	1000.3	1068.3	1068.3
STUART	3	63	967.7	1034.7	971.2	975.5	1039.8	979.5	978.6	1044.0	1044.0
STUART	4	64	991.6	1060.2	992.9	995.0	1061.2	896.6	995.3	1062.7	1062.7
AMOS AP	3	65	2310.2	2347.1	2319.0	2594.2	2594.7	2329.8	2345.8	2327.0	2327.0
TANN 1-3	1	66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANN 1-3	2	67	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANN 4	4	69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ZIMMER	1	70	2007.0	2378.9	2375.5	2139.8	2382.1	2389.3	2012.5	2382.0	2382.0
RP2D_KP	959	959	888.5	800.1	839.7	645.3	863.7	915.3	793.6	889.8	889.8
RP2D_IM	960	960	7250.3	5939.6	7070.8	6881.0	5289.9	7365.1	6896.0	7249.2	7249.2
CSV6_SCR	961	961	2325.3	1891.9	2451.3	2555.2	2465.2	2209.1	2511.8	1961.2	1961.2
CSV5_SCR	962	962	2400.7	2129.9	2414.2	2314.2	2426.0	2266.6	2419.1	2453.8	2453.8
RP1D_KP	964	964	1186.6	1256.2	1185.3	1257.8	1091.9	1261.4	1263.9	1192.2	1192.2
RP1D_03	965	965	5199.0	5593.2	3940.5	5264.3	5580.7	5270.6	5510.6	4988.8	4988.8
RP2TR_KP	969	969	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP2TR_IM	971	971	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
T4_TRONA	998	998	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL AIR BASIN EMISSIONS	84047.1	81297.8	81920.9	84174.3	82658.7	83451.8	83865.5	82415.7
TOTAL SYSTEM EMISSIONS	84047.1	81297.8	81920.9	84174.3	82658.6	83451.8	83865.5	82415.7

EFFLUENT: CO2 (S) (INDEX # 2)  
AMOUNT RELEASED (M\_KTONS)

2035 2036 2037 2038 2039 2040

---- AIR BASIN: AEPSTYS ----  
NAME NUMBER INDEX

THERMAL UNITS

AMOS	1	1	4882.8	4542.8	4815.2	4909.7	4857.8	4797.9
AMOS	2	2	5031.2	5077.7	4972.3	5049.9	5001.3	4993.5
AMOS OP	3	3	5747.2	5766.4	5155.9	5774.1	5194.6	5802.2
BECKJORD	6	4	0.0	0.0	0.0	0.0	0.0	0.0
BIG SAND	1	5	0.0	0.0	0.0	0.0	0.0	0.0
BIG SAND	2	6	0.0	0.0	0.0	0.0	0.0	0.0
CARD 1+2	1	7	3536.3	3185.6	3622.1	3171.6	3170.1	3549.7
CARD 1+2	2	8	0.0	0.0	0.0	0.0	0.0	0.0
CARD 3	3	9	0.0	0.0	0.0	0.0	0.0	0.0
CLINCH R	1	16	0.0	0.0	0.0	0.0	0.0	0.0
CLINCH R	2	17	0.0	0.0	0.0	0.0	0.0	0.0
CLINCH R	3	18	0.0	0.0	0.0	0.0	0.0	0.0
ROCKP_KP	1	19	0.0	0.0	0.0	0.0	0.0	0.0
ROCKP_KP	2	20	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 1-4	3	21	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 1-4	4	22	2087.4	2238.7	2230.3	2102.5	2247.5	2120.9
CSVL 5+6	5	23	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 5+6	6	24	0.0	0.0	0.0	0.0	0.0	0.0
GAVIN	1	27	9336.0	8813.6	9350.1	8611.0	9351.9	8825.7
GAVIN	2	28	7528.2	9640.6	9037.9	9621.4	8853.3	9661.8
GLEN LYN	5	29	0.0	0.0	0.0	0.0	0.0	0.0
GLEN LYN	6	30	0.0	0.0	0.0	0.0	0.0	0.0
KAMMER	1	33	0.0	0.0	0.0	0.0	0.0	0.0
KAMMER	2	34	0.0	0.0	0.0	0.0	0.0	0.0
KAMMER	3	35	0.0	0.0	0.0	0.0	0.0	0.0
KANAWHA	1	36	0.0	0.0	0.0	0.0	0.0	0.0
KANAWHA	2	37	0.0	0.0	0.0	0.0	0.0	0.0
MITCHELL	1	43	4060.3	3754.4	4239.2	4249.8	3770.9	4282.1
MITCHELL	2	44	3721.0	4271.2	4248.0	3753.7	4272.9	4281.1
MOUNT_ER	1	45	9197.3	7058.6	9384.7	8851.1	9406.3	8874.6
MUSK RVR	1	46	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	2	47	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	3	48	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	4	49	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	5	50	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	1	51	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	2	52	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	3	53	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	4	54	0.0	0.0	0.0	0.0	0.0	0.0
PICWAY	5	56	0.0	0.0	0.0	0.0	0.0	0.0
RPRUN_IM	1	58	0.0	0.0	0.0	0.0	0.0	0.0
ROCKP_IM	2	59	0.0	0.0	0.0	0.0	0.0	0.0
STUART	1	61	1049.0	987.0	985.3	1050.4	985.1	989.4
STUART	2	62	1001.5	1004.1	1068.7	1001.1	1001.9	1072.1
STUART	3	63	980.7	985.7	1046.2	981.5	983.0	1051.3
STUART	4	64	996.8	1000.6	1064.6	998.4	999.2	1068.6
AMOS AP	3	65	2574.2	2587.8	2281.1	2583.6	2311.3	2495.1
TANN 1-3	1	66	0.0	0.0	0.0	0.0	0.0	0.0
TANN 1-3	2	67	0.0	0.0	0.0	0.0	0.0	0.0
TANN 4	4	69	0.0	0.0	0.0	0.0	0.0	0.0
ZIMMER	1	70	2382.0	2151.8	2387.6	2384.7	2015.7	2392.2
RP2D_KP	959	959	679.0	811.8	861.7	776.4	867.2	658.3
RP2D_IM	960	960	6588.8	5478.4	7230.6	6144.3	7395.7	6021.8
CSV6_SCR	961	961	2391.8	2387.8	2539.3	2166.3	2558.0	2666.2
CSV5_SCR	962	962	1957.2	2466.3	2467.9	2211.1	2501.8	2405.6
RP1D_KP	964	964	1259.7	1201.3	1272.9	1108.6	1281.4	1287.0
RP1D_03	965	965	3867.1	5186.5	4622.3	5089.3	4535.9	4853.7

RP2TR\_KP 969 969  
 RP2TR\_IM 971 971  
 T4\_TRONA 998 998

SB Output Summary.REP

0.0 0.0 0.0 0.0 0.0 0.0  
 0.0 0.0 0.0 0.0 0.0 0.0  
 0.0 0.0 0.0 0.0 0.0 0.0

TOTAL AIR BASIN EMISSIONS	80855.3	80598.9	84884.1	82590.9	83562.8	84150.8
TOTAL SYSTEM EMISSIONS	80855.3	80598.9	84884.1	82590.9	83562.7	84150.8

‡ 02/07/13 15:32:47 W04.0 R03.0

NewEnergy Associates  
 Strategist Page 127

AEP EAST  
 GENERATION AND FUEL MODULE  
 EMISSIONS RELEASED REPORT

EFFLUENT: CO2 (G) (INDEX # 3)  
 AMOUNT RELEASED (M\_KTONS)

2011 2012 2013 2014 2015 2016 2017 2018

---- AIR BASIN: AEPSPYS ----  
 NAME NUMBER INDEX

THERMAL UNITS			2011	2012	2013	2014	2015	2016	2017	2018
ROBTMONE	1	71	58.7	113.5	104.5	101.1	104.6	123.1	108.0	95.9
ROBTMONE	2	72	81.6	105.9	74.8	87.6	89.7	106.2	92.0	88.3
ROBTMONE	3	73	95.3	79.1	90.9	115.8	76.6	91.4	78.4	73.7
CEREDO	1	75	190.3	230.2	198.1	97.5	197.4	258.8	178.0	219.4
CEREDO	2	76	162.5	194.6	181.0	72.5	179.1	242.9	152.5	208.8
CEREDO	3	77	149.7	161.5	155.4	56.1	152.5	204.1	114.7	146.6
CEREDO	4	78	200.8	243.8	209.4	121.7	151.9	254.6	209.9	214.2
CEREDO	5	79	155.2	186.1	172.3	74.5	167.4	220.9	135.4	179.7
CEREDO	6	80	145.1	133.7	134.5	48.4	133.7	187.5	99.0	117.3
DARBY	1	81	65.0	85.7	63.1	66.9	55.5	72.0	63.8	61.8
DARBY	2	82	60.6	80.6	59.4	63.0	50.4	67.4	59.5	57.8
DARBY	3	83	56.8	76.9	56.0	59.3	47.3	63.3	55.7	53.9
DARBY	4	84	52.9	72.4	52.5	50.2	52.4	59.3	51.9	50.4
DARBY	5	85	49.3	68.3	49.3	45.5	48.8	55.5	48.4	46.9
DARBY	6	86	46.0	65.3	46.3	42.5	45.4	51.9	45.2	43.7
LWEG WIN	1	87	439.0	531.9	440.2	468.0	477.4	577.0	571.5	556.1
LWEG WIN	2	88	558.1	641.0	541.7	576.3	596.5	713.7	736.5	723.2
LWEG SMR	1	89	206.7	241.9	209.2	201.5	222.8	249.1	252.6	240.6
LWEG SMR	2	90	227.8	266.0	229.0	222.3	247.2	276.9	284.3	273.0
WATR CC	1	91	410.8	557.5	437.9	478.4	502.9	581.4	540.0	528.9
WATR2	1	92	257.4	310.8	251.4	248.3	278.3	314.5	313.0	293.7
DRESDEN	1	93	0.0	0.0	565.4	685.5	886.3	861.1	915.2	911.0
DRESD2	1	94	0.0	0.0	241.2	174.5	291.9	319.1	309.1	302.0
CC_KPCO	953	953	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CT_KPCO	954	954	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CT_KPCO	955	955	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CT_KPCO	956	956	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CT_KPCO	957	957	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BS_BF50	958	958	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CR2_NGCC	966	966	0.0	0.0	0.0	0.0	309.0	341.1	337.8	344.5
CRI_NGCC	967	967	0.0	0.0	0.0	0.0	359.7	391.5	391.9	386.5
MR5_NGCC	968	968	0.0	0.0	0.0	0.0	1374.0	1410.4	1386.6	1372.4
BS1_Gas	970	970	0.0	0.0	0.0	0.0	201.7	393.8	434.7	384.6
TOTAL AIR BASIN EMISSIONS			3669.6	4446.5	4563.5	4157.5	7300.3	8488.4	7965.6	7975.1
TOTAL SYSTEM EMISSIONS			3669.6	4446.5	4563.5	4157.5	7300.3	8488.4	7965.6	7975.1

EFFLUENT: CO2 (G) (INDEX # 3)  
 AMOUNT RELEASED (M\_KTONS)

2019 2020 2021 2022 2023 2024 2025 2026

---- AIR BASIN: AEPSPYS ----  
 NAME NUMBER INDEX

THERMAL UNITS			2019	2020	2021	2022	2023	2024	2025	2026
ROBTMONE	1	71	101.4	105.2	100.9	105.5	103.5	106.3	103.9	103.5
ROBTMONE	2	72	86.1	89.1	85.8	21.5	0.0	0.9	0.0	1.1
ROBTMONE	3	73	73.2	75.3	72.5	70.8	88.9	91.2	88.8	88.4
CEREDO	1	75	174.1	234.6	150.2	214.8	223.7	165.2	252.6	288.3
CEREDO	2	76	162.0	199.5	140.0	210.1	222.5	217.7	203.3	279.5
CEREDO	3	77	120.9	171.8	138.9	183.8	160.3	166.3	175.5	268.8
CEREDO	4	78	169.7	235.3	195.6	233.8	271.2	274.8	253.4	304.5
CEREDO	5	79	138.9	194.3	199.4	133.3	199.0	210.8	186.7	279.5
CEREDO	6	80	89.5	102.0	159.5	149.2	145.8	164.0	151.4	261.2
DARBY	1	81	59.5	58.6	59.0	62.9	63.7	64.5	55.9	63.5
DARBY	2	82	55.7	54.7	55.0	59.0	59.6	60.5	52.5	59.6
DARBY	3	83	52.0	51.2	51.3	56.2	55.8	56.7	48.3	55.7
DARBY	4	84	48.6	48.7	47.8	53.0	52.1	47.9	53.3	52.1
DARBY	5	85	45.4	38.8	44.5	49.6	48.7	45.2	49.8	48.7
DARBY	6	86	42.3	36.4	36.1	40.5	39.2	40.6	39.9	39.1
LWEG WIN	1	87	544.9	544.0	529.3	497.6	490.0	502.8	504.9	494.6
LWEG WIN	2	88	706.0	716.6	706.8	637.4	631.3	649.4	659.7	640.2
LWEG SMR	1	89	239.3	241.1	241.5	235.9	232.4	232.6	231.6	229.7
LWEG SMR	2	90	271.3	272.5	273.7	263.5	259.0	260.9	260.2	257.3
WATR CC	1	91	518.8	487.9	469.0	466.3	456.1	472.2	464.7	459.8
WATR2	1	92	290.7	295.9	295.5	293.6	290.1	287.1	285.3	284.2
DRESDEN	1	93	906.9	917.2	902.9	874.3	901.1	913.2	896.5	904.0
DRESD2	1	94	303.1	303.5	304.5	301.2	299.1	299.4	298.9	310.7
CC_KPCO	953	953	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CT_KPCO	954	954	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.9

SB Output Summary.REP

CT_KPC0	955	955	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5
CT_KPC0	956	956	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0
CT_KPC0	957	957	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.7
BS_BF50	958	958	0.0	0.0	626.7	668.7	644.8	652.6	643.2	632.2
CR2_NGCC	966	966	316.4	348.4	337.2	325.5	362.4	365.4	343.2	359.7
CRI_NGCC	967	967	386.2	392.1	381.5	368.4	385.4	394.9	397.2	400.1
MRS_NGCC	968	968	1368.0	1374.2	1366.8	1372.3	1368.0	1374.4	1366.4	1367.9
BS1_Gas	970	970	433.2	403.6	375.3	373.6	298.9	374.4	370.2	287.3

TOTAL AIR BASIN EMISSIONS	7704.2	7992.5	8347.0	8322.4	8352.5	8492.0	8437.5	8969.4
TOTAL SYSTEM EMISSIONS	7704.2	7992.5	8347.0	8322.4	8352.5	8492.0	8437.5	8969.4

EFFLUENT: CO2 (G) (INDEX # 3)  
 AMOUNT RELEASED (M\_KTONS)

	2027	2028	2029	2030	2031	2032	2033	2034
--	------	------	------	------	------	------	------	------

---- AIR BASIN: AEPSPYS ----  
 NAME NUMBER INDEX

THERMAL UNITS

ROBTMONE	1	71	96.4	95.9	96.4	94.5	100.6	102.1	99.9	95.8
ROBTMONE	2	72	50.4	0.0	51.5	12.7	86.2	20.1	0.0	0.7
ROBTMONE	3	73	75.4	77.8	74.4	86.2	73.1	67.1	84.9	83.1
CEREDO	1	75	217.6	292.2	258.3	215.3	294.0	293.3	322.6	342.0
CEREDO	2	76	200.5	252.5	241.7	205.2	283.5	267.8	299.3	323.6
CEREDO	3	77	169.2	212.9	196.6	188.4	227.2	262.9	248.5	297.9
CEREDO	4	78	236.9	301.1	187.1	302.7	308.3	215.1	361.9	339.1
CEREDO	5	79	172.5	231.2	221.0	223.9	264.3	265.8	294.6	227.6
CEREDO	6	80	167.1	203.6	151.6	223.6	216.1	234.2	189.1	263.8
DARBY	1	81	60.2	60.0	59.0	59.4	59.8	60.0	62.3	61.1
DARBY	2	82	56.2	56.0	55.2	56.0	56.0	56.3	58.1	57.0
DARBY	3	83	52.3	52.1	51.5	52.7	52.2	53.9	54.2	53.1
DARBY	4	84	48.7	48.5	48.1	50.0	48.8	50.9	50.5	44.9
DARBY	5	85	45.3	45.1	44.8	39.7	45.4	47.5	47.0	42.0
DARBY	6	86	36.5	36.3	36.5	37.2	37.3	39.1	38.6	37.8
LWBG WIN	1	87	491.8	493.3	489.8	494.5	499.3	502.1	497.8	502.7
LWBG WIN	2	88	648.3	652.7	647.7	651.4	657.7	665.2	659.6	666.0
LWBG SMR	1	89	234.0	237.0	233.4	240.1	243.7	245.6	246.2	248.1
LWBG SMR	2	90	264.3	267.4	264.7	271.4	275.3	277.5	278.7	281.1
WATR CC	1	91	444.0	442.3	444.2	453.5	456.9	456.5	453.5	457.7
WATR2	1	92	287.1	290.9	283.9	292.8	297.6	299.1	298.4	299.0
DRESDEN	1	93	876.1	916.7	907.7	903.0	903.8	921.7	917.3	908.1
DRES2	1	94	299.1	300.0	298.6	300.7	302.1	302.8	301.6	300.0
CT_KPC0	953	953	0.0	0.0	0.0	0.0	335.0	331.7	335.2	334.3
CT_KPC0	954	954	57.8	58.1	62.7	59.4	74.5	75.0	75.0	75.9
CT_KPC0	955	955	37.3	38.1	40.3	39.2	50.4	51.1	50.7	51.3
CT_KPC0	956	956	22.8	23.7	24.5	24.3	31.8	32.2	31.7	31.9
CT_KPC0	957	957	13.2	13.8	14.0	14.0	18.6	18.7	18.3	18.1
BS_BF50	958	958	649.9	642.5	640.9	651.7	680.5	688.8	697.1	701.9
CR2_NGCC	966	966	330.9	366.7	354.1	375.1	369.7	380.2	396.4	380.2
CRI_NGCC	967	967	383.0	408.2	410.8	420.8	405.6	420.7	423.9	422.5
MRS_NGCC	968	968	1360.8	1363.2	1359.3	1364.6	1366.2	1370.3	1365.8	1364.5
BS1_Gas	970	970	348.3	348.2	290.1	353.1	0.0	0.0	0.0	0.0

TOTAL AIR BASIN EMISSIONS	8434.1	8828.1	8540.4	8757.2	9121.7	9075.2	9258.8	9313.0
TOTAL SYSTEM EMISSIONS	8434.1	8828.1	8540.4	8757.2	9121.7	9075.2	9258.8	9313.0

EFFLUENT: CO2 (G) (INDEX # 3)  
 AMOUNT RELEASED (M\_KTONS)

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

---- AIR BASIN: AEPSPYS ----  
 NAME NUMBER INDEX

THERMAL UNITS

ROBTMONE	1	71	96.4	93.8	93.3	88.0	88.6	85.8
ROBTMONE	2	72	0.0	0.9	49.6	0.0	48.7	9.9
ROBTMONE	3	73	81.2	78.4	70.2	70.4	65.5	69.0
CEREDO	1	75	223.6	338.9	309.9	325.2	293.5	265.9
CEREDO	2	76	256.6	333.7	302.7	324.3	277.3	266.3
CEREDO	3	77	232.9	310.9	271.8	252.6	250.2	239.7
CEREDO	4	78	343.5	357.5	332.3	325.7	330.0	292.3
CEREDO	5	79	275.6	319.9	285.0	279.4	264.0	354.6
CEREDO	6	80	254.4	305.9	257.7	196.0	218.1	314.9
DARBY	1	81	53.9	59.9	60.2	57.7	57.5	53.6
DARBY	2	82	50.7	55.8	55.9	53.5	53.4	49.7
DARBY	3	83	45.3	51.8	51.9	49.5	49.6	46.1

02/07/13 15:32:47 V04.0 R03.0

NewEnergy Associates  
 Strategist Page 128

AEP EAST  
 GENERATION AND FUEL MODULE  
 EMISSIONS RELEASED REPORT

EFFLUENT: CO2 (G) (INDEX # 3)  
 AMOUNT RELEASED (M\_KTONS)

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

---- AIR BASIN: AEPSPYS ----  
 NAME NUMBER INDEX

SB Output Summary.REP

DARBY	4	84	50.2	48.0	48.1	45.8	45.9	43.0
DARBY	5	85	46.6	44.5	44.5	42.2	42.4	35.2
DARBY	6	86	37.8	36.0	36.4	34.7	35.0	32.5
LWBG WIN	1	87	502.7	502.4	499.1	508.5	508.3	506.9
LWBG WIN	2	88	672.3	671.5	669.1	684.0	682.4	681.2
LWBG SHR	1	89	249.6	250.2	252.8	252.6	255.3	254.0
LWBG SHR	2	90	283.1	284.2	286.8	287.9	290.3	290.3
WATR CC	1	91	452.8	452.8	448.7	478.0	476.5	476.5
WATR2	1	92	299.5	298.9	302.3	298.5	302.8	297.1
DRESDEN	1	93	887.6	886.0	885.7	1303.5	1308.9	863.0
DRESD2	1	94	298.1	323.0	307.1	295.7	295.6	327.1
CC_KPCO	953	953	342.0	337.6	333.1	340.9	332.9	343.5
CT_KPCO	954	954	74.7	74.9	75.5	75.8	75.9	75.6
CT_KPCO	955	955	50.0	50.6	51.0	51.0	51.2	50.5
CT_KPCO	956	956	31.0	31.7	31.6	31.4	31.6	30.8
CT_KPCO	957	957	17.7	18.4	17.7	17.5	17.5	16.8
BS_BF50	958	958	692.4	719.3	721.7	720.6	726.9	721.7
CR2_NGCC	966	966	373.6	383.7	379.2	354.6	348.0	377.8
CR1_NGCC	967	967	398.3	419.1	405.3	390.7	384.6	394.9
MRS_NGCC	968	968	1362.3	1365.6	1363.7	1357.6	1360.4	1360.2
BS1_Gas	970	970	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL AIR BASIN EMISSIONS			9036.5	9505.8	9299.8	9593.8	9571.0	9226.3
TOTAL SYSTEM EMISSIONS			9036.5	9505.8	9299.8	9593.8	9571.0	9226.3

02/07/13 15:32:47 V04.0 R03.0

NewEnergy Associates  
Strategist Page 129

AEP EAST  
GENERATION AND FUEL MODULE  
EMISSIONS RELEASED REPORT

EFFLUENT: NOX (B) (INDEX # 4)  
AMOUNT RELEASED (TONS )

	2011	2012	2013	2014	2015	2016	2017	2018		
---- AIR BASIN: AEP SYS ----										
NAME NUMBER INDEX										
THERMAL UNITS										
AMOS	1	1	1237.2	1261.6	935.1	1217.6	971.3	1227.7	1152.8	1246.9
AMOS	2	2	1334.5	979.2	1171.8	1203.5	1106.4	1227.2	1252.7	1151.8
AMOS OP	3	3	1730.8	2135.9	1678.5	1961.9	1794.9	1982.4	1824.9	2007.4
BECKFORD	6	4	543.8	604.9	495.9	573.6	0.0	0.0	0.0	0.0
BIG SAND	1	5	2071.6	1216.1	1019.4	664.1	569.5	0.0	0.0	0.0
BIG SAND	2	6	789.7	471.2	430.4	277.6	98.6	0.0	0.0	0.0
CARD 1+2	1	7	649.1	444.5	974.5	828.0	921.4	953.7	837.9	931.5
CARD 1+2	2	8	1118.9	1057.1	943.3	1105.4	1035.5	942.6	1126.6	1035.3
CARD 3	3	9	746.3	1010.4	912.5	1051.5	1093.7	979.2	1071.9	1128.9
CLINCH R	1	16	455.6	1001.9	772.0	1338.0	0.0	0.0	0.0	0.0
CLINCH R	2	17	755.9	794.4	676.1	1060.2	0.0	0.0	0.0	0.0
CLINCH R	3	18	104.8	112.4	92.6	168.3	0.0	0.0	0.0	0.0
ROCKP_KP	1	19	1261.6	1143.7	940.6	719.2	693.2	0.0	0.0	0.0
ROCKP_KP	2	20	1335.2	939.1	609.0	915.7	193.2	0.0	0.0	0.0
CSVL I-4	3	21	1600.2	1812.1	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 1-4	4	22	516.6	393.1	477.4	622.6	530.2	643.4	654.9	659.6
CSVL 5+6	5	23	4459.1	4397.6	4604.5	5089.4	3844.3	5237.8	5685.0	5054.0
CSVL 5+6	6	24	4350.1	4567.1	3990.7	5081.2	4834.0	4171.0	5719.0	5739.9
GAVIN	1	27	3591.2	3381.6	3459.0	3192.2	3414.6	3312.5	3566.4	3266.1
GAVIN	2	28	2865.0	3257.2	2983.5	3167.1	2450.5	3218.1	3052.4	3241.9
GLEN LYN	5	29	34.6	36.7	26.6	23.4	0.0	0.0	0.0	0.0
GLEN LYN	6	30	153.3	187.2	102.4	116.7	0.0	0.0	0.0	0.0
KAMMER	1	33	1723.1	2279.7	2127.3	1921.6	0.0	0.0	0.0	0.0
KAMMER	2	34	1721.9	2138.8	2135.5	2052.0	0.0	0.0	0.0	0.0
KAMMER	3	35	1202.5	1396.6	1201.1	1228.1	0.0	0.0	0.0	0.0
KANAWHA	1	36	777.7	1804.5	1473.6	1503.6	0.0	0.0	0.0	0.0
KANAWHA	2	37	830.2	1801.7	1306.9	1435.1	0.0	0.0	0.0	0.0
MITCHELL	1	43	952.1	1125.4	985.8	1116.2	1077.7	1004.4	1124.1	1121.8
MITCHELL	2	44	1035.1	928.1	1033.6	1080.4	957.6	1112.1	1093.6	964.4
MOUNT_ER	1	45	3023.2	3299.9	3265.2	2988.7	3200.0	2533.7	3414.0	3215.5
MUSK RVR	1	46	3184.3	2746.9	2141.0	2600.2	0.0	0.0	0.0	0.0
MUSK RVR	2	47	2414.2	2381.3	1968.5	2180.7	0.0	0.0	0.0	0.0
MUSK RVR	3	48	2472.3	2251.7	1893.9	2088.7	0.0	0.0	0.0	0.0
MUSK RVR	4	49	293.5	265.6	223.8	245.1	0.0	0.0	0.0	0.0
MUSK RVR	5	50	1024.0	904.8	1091.5	1060.8	427.6	0.0	0.0	0.0
P SPORN	1	51	694.1	705.7	630.2	448.6	0.0	0.0	0.0	0.0
P SPORN	2	52	668.8	880.1	439.6	622.6	0.0	0.0	0.0	0.0
P SPORN	3	53	103.4	87.1	66.7	59.7	0.0	0.0	0.0	0.0
P SPORN	4	54	97.2	87.8	52.0	61.3	0.0	0.0	0.0	0.0
PICWAY	5	56	41.1	67.3	37.9	57.5	0.0	0.0	0.0	0.0
RPRUN_IM	1	58	4865.6	7807.1	5439.8	6829.2	7378.7	0.0	0.0	0.0
ROCKP_IM	2	59	8017.7	7007.8	8013.7	7225.6	2219.0	0.0	0.0	0.0
STUART	1	61	625.8	597.0	574.9	622.1	580.5	541.1	659.4	626.2
STUART	2	62	540.3	607.9	628.6	595.8	600.8	668.0	638.2	639.9
STUART	3	63	527.7	594.8	610.2	585.4	578.1	636.6	610.8	615.7
STUART	4	64	646.2	656.4	674.3	577.4	639.1	704.1	680.1	686.2
AMOS AP	3	65	866.2	1037.5	823.9	948.5	858.3	946.9	863.9	953.0
TANN 1-3	1	66	61.7	59.9	40.4	48.6	0.0	0.0	0.0	0.0
TANN 1-3	2	67	65.2	63.3	42.4	51.2	0.0	0.0	0.0	0.0
TANN 4	4	69	1633.9	2158.4	1268.5	0.0	0.0	0.0	0.0	0.0
ZIMMER	1	70	2419.6	1975.0	2388.9	2445.4	2160.6	2663.6	2715.7	2455.0
ROBTMONE	1	71	13.9	26.7	25.5	24.7	25.6	30.0	26.3	23.3
ROBTMONE	2	72	19.3	24.9	18.2	21.4	21.9	25.8	22.4	21.6
ROBTMONE	3	73	22.5	18.9	22.2	28.4	18.7	22.3	19.1	18.0

SB Output Summary.REP

CEREDO	1	75	46.1	55.8	48.0	23.6	47.8	62.7	43.1	53.2
CEREDO	2	76	39.3	47.1	43.8	17.6	43.3	58.7	36.9	50.5
CEREDO	3	77	36.3	39.2	37.7	13.6	37.0	49.5	27.9	35.6
CEREDO	4	78	48.8	59.3	50.9	29.6	36.9	61.9	51.0	52.1
CEREDO	5	79	37.7	45.2	41.9	18.1	40.7	53.7	32.9	43.7
CEREDO	6	80	35.2	32.4	32.6	11.7	32.4	45.4	24.0	28.4
DARBY	1	81	19.7	26.0	19.2	20.3	16.8	21.9	19.4	18.8
DARBY	2	82	18.4	24.5	18.0	19.1	15.3	20.5	18.1	17.6
DARBY	3	83	17.3	23.4	17.0	18.0	14.4	19.2	16.9	16.4
DARBY	4	84	16.1	22.0	16.0	15.3	15.9	18.0	15.8	15.3
DARBY	5	85	15.0	20.7	15.0	13.8	14.8	16.9	14.7	14.3
DARBY	6	86	14.0	19.8	14.1	12.9	13.8	15.8	13.7	13.3
LWBG WIN	1	87	49.2	59.9	49.0	49.1	49.9	59.6	59.9	58.9
LWBG WIN	2	88	62.0	71.6	60.3	60.5	62.3	73.8	77.2	76.5
LWBG SMR	1	89	23.8	27.9	23.9	21.7	23.9	26.4	27.1	26.1
LWBG SMR	2	90	25.9	30.4	26.1	23.9	26.4	29.3	30.5	29.6
WATR CC	1	91	46.5	63.9	51.4	52.0	54.4	61.8	58.6	57.4
WATR2	1	92	30.0	36.6	30.4	27.8	31.0	34.4	34.9	32.8
DRESDEN	1	93	0.0	0.0	93.0	109.5	140.8	137.7	146.1	145.4
DRESD2	1	94	0.0	0.0	27.6	18.3	29.7	32.3	31.7	31.1
CC_KPCO	953	953	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CT_KPCO	954	954	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CT_KPCO	955	955	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CT_KPCO	956	956	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CT_KPCO	957	957	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BS_BF50	958	958	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP2D_KP	959	959	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP2D_IM	960	960	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSV6_SCR	961	961	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSV5_SCR	962	962	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP1D_KP	964	964	0.0	0.0	0.0	0.0	0.0	278.7	265.8	288.9
RP1D_03	965	965	0.0	0.0	0.0	0.0	0.0	1408.0	1058.0	1335.8
CR2_NGCC	966	966	0.0	0.0	0.0	0.0	22.0	24.3	24.1	24.5
CR1_NGCC	967	967	0.0	0.0	0.0	0.0	26.1	28.3	28.4	28.0
MRS_NGCC	968	968	0.0	0.0	0.0	0.0	93.0	95.9	94.0	92.9
RP2TR_KP	969	969	0.0	0.0	0.0	0.0	541.0	868.3	1004.3	925.5
B51_Gas	970	970	0.0	0.0	0.0	0.0	764.5	1475.1	1552.8	1396.0
RP2TR_IM	971	971	0.0	0.0	0.0	0.0	4074.2	4764.7	6176.5	4854.4
T4_TRONA	998	998	0.0	0.0	0.0	1867.4	1459.0	1695.7	1555.1	0.0

TOTAL AIR BASIN EMISSIONS	74871.2	79699.5	70657.0	75575.7	52022.8	46322.8	50351.7	46566.3
TOTAL SYSTEM EMISSIONS	74871.2	79699.5	70656.9	75575.7	52022.8	46322.8	50351.7	46566.3

EFFLUENT: NOX (B) (INDEX # 4)  
AMOUNT RELEASED (TONS )

	2019	2020	2021	2022	2023	2024	2025	2026
--	------	------	------	------	------	------	------	------

---- AIR BASIN: AEPSPYS ----  
NAME NUMBER INDEX

THERMAL UNITS

AMOS	1	1	1244.3	1106.3	1256.2	1197.6	1200.0	1059.0	1216.4	1129.1
AMOS	2	2	1250.7	1257.2	1206.8	1215.9	1121.9	1227.0	1234.7	1239.5
AMOS_OP	3	3	1853.3	2017.6	1901.6	1799.8	1808.7	1825.0	2030.9	2024.1
BECKJORD	6	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIG SAND	1	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIG SAND	2	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CARD 1+2	1	7	992.8	839.3	955.4	824.9	920.7	832.2	945.4	826.4
CARD 1+2	2	8	931.3	1115.4	1042.1	918.0	1090.3	1024.0	922.1	1095.1
CARD 3	3	9	977.2	1090.3	1093.6	1069.1	1081.6	915.9	1024.9	1088.6
CLINCH R	1	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CLINCH R	2	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CLINCH R	3	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ROCKP_KP	1	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ROCKP_KP	2	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 1-4	3	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 1-4	4	22	649.7	703.4	739.3	706.6	638.3	687.2	686.1	643.8
CSVL 5+6	5	23	4980.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 5+6	6	24	4804.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GAVIN	1	27	3580.3	3381.5	3587.8	3322.6	3529.1	3278.7	3549.9	3334.1
GAVIN	2	28	3009.1	3286.6	2897.1	3220.4	3030.6	3241.6	2532.3	3236.5
GLEN LYN	5	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GLEN LYN	6	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KAMMER	1	33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KAMMER	2	34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KAMMER	3	35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KANAWHA	1	36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KANAWHA	2	37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MITCHELL	1	43	1002.9	1146.2	1003.2	1109.9	1010.1	1106.2	1055.2	966.9
MITCHELL	2	44	1098.5	1102.9	1103.5	1107.2	1073.0	1077.2	943.9	1073.2
MOUNT_ER	1	45	3419.0	3229.8	3357.2	3152.5	3277.0	3043.8	3299.4	2516.0
MUSK RVR	1	46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	2	47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	3	48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	4	49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	5	50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	1	51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	2	52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	3	53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	4	54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PICWAY	5	56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RPRUN_IM	1	58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ROCKP_IM	2	59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STUART	1	61	624.7	671.3	629.0	622.9	665.1	627.6	560.9	665.6
STUART	2	62	680.8	641.8	640.8	679.9	637.8	640.5	681.1	638.0

		SB Output Summary.REP								
STUART	3	63	663.0	626.6	627.2	655.9	615.2	619.4	659.3	617.5
STUART	4	64	733.3	694.1	693.3	728.3	613.6	688.6	732.9	686.8
AMOS AP	3	65	856.3	956.8	904.5	828.0	831.6	837.7	927.1	930.3
TANN 1-3	1	66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
♀ 02/07/13 15:32:47 V04.0 R03.0										
										NewEnergy Associates
										Strategist Page 130

AEP EAST  
GENERATION AND FUEL MODULE  
EMISSIONS RELEASED REPORT

EFFLUENT: NOX (B) (INDEX # 4)  
AMOUNT RELEASED (TONS )

			2019	2020	2021	2022	2023	2024	2025	2026
---- AIR BASIN: AEPSPYS ----										
NAME	NUMBER	INDEX								
TANN 1-3	2	67	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANN 4	4	69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ZIMMER	1	70	2724.7	2744.7	2309.0	2667.0	2667.4	2418.9	2683.8	2686.3
ROBTMONE	1	71	24.7	25.5	24.5	25.6	25.1	25.8	25.2	25.1
ROBTMONE	2	72	20.9	21.6	20.8	5.4	0.0	0.2	0.0	0.3
ROBTMONE	3	73	17.8	18.3	17.6	17.1	21.6	22.1	21.6	21.5
CEREDO	1	75	42.2	56.9	36.4	52.1	54.2	40.0	61.2	69.9
CEREDO	2	76	39.2	48.2	33.9	50.8	53.8	52.6	49.2	67.6
CEREDO	3	77	29.4	41.7	33.7	44.6	38.9	40.4	42.6	65.2
CEREDO	4	78	41.3	57.2	47.5	56.8	65.9	66.8	61.6	74.0
CEREDO	5	79	33.8	47.2	48.5	32.4	48.4	51.2	45.4	67.9
CEREDO	6	80	21.7	24.7	38.6	36.1	35.3	39.7	36.7	63.2
DARBY	1	81	18.1	17.8	17.9	19.1	19.3	19.6	17.0	19.3
DARBY	2	82	16.9	16.6	16.7	17.9	18.1	18.4	16.0	18.1
DARBY	3	83	15.8	15.5	15.6	17.1	16.9	17.2	14.7	16.9
DARBY	4	84	14.8	14.8	14.5	16.1	15.8	14.5	16.2	15.8
DARBY	5	85	13.8	11.8	13.5	15.1	14.8	13.7	15.1	14.8
DARBY	6	86	12.8	11.1	11.0	12.3	11.9	12.3	12.1	11.9
LWBG WIN	1	87	57.4	57.1	55.5	52.2	51.4	52.7	53.0	51.9
LWBG WIN	2	88	74.3	75.3	74.2	66.9	66.3	68.2	69.3	67.2
LWBG SMR	1	89	25.9	26.0	26.0	25.4	25.0	25.0	24.9	24.7
LWBG SMR	2	90	29.3	29.3	29.4	28.3	27.9	28.1	28.0	27.7
WATR CC	1	91	55.7	52.1	50.0	49.8	48.7	50.4	49.6	49.1
WATR2	1	92	32.1	32.5	32.4	32.2	31.9	31.5	31.3	31.2
DRESDEN	1	93	144.6	146.3	144.0	139.0	142.9	145.0	142.3	143.5
DRESD2	1	94	31.2	31.3	31.4	31.0	30.7	30.8	30.7	31.8
CC_KPCO	953	953	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CT_KPCO	954	954	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.4
CT_KPCO	955	955	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.6
CT_KPCO	956	956	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0
CT_KPCO	957	957	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4
BS_BF50	958	958	0.0	0.0	69.6	74.6	71.8	72.8	71.6	70.4
RP2D_KP	959	959	0.0	675.4	963.7	747.7	650.1	774.7	572.3	667.4
RP2D_IM	960	960	0.0	7100.1	6789.1	6609.1	5943.0	4962.6	6708.7	5512.9
CSV6_SCR	961	961	0.0	417.7	476.9	473.6	409.9	455.6	361.1	473.5
CSV5_SCR	962	962	0.0	467.4	487.9	410.9	436.1	447.7	355.5	442.4
RP1D_KP	964	964	289.9	275.1	286.4	241.7	255.9	223.1	257.6	253.6
RP1D_03	965	965	1360.1	1098.1	1181.0	1007.0	788.6	1099.9	1017.4	1095.2
CR2_NGCC	966	966	22.6	24.6	23.9	23.1	25.3	25.5	24.2	25.0
CR1_NGCC	967	967	27.9	28.3	27.6	26.6	27.7	28.3	28.5	28.5
MR5_NGCC	968	968	92.5	93.0	92.4	92.9	92.5	93.0	92.4	92.5
RP2TR_KP	969	969	1020.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B51 Gas	970	970	1578.3	1478.7	1486.8	1498.0	1210.0	1505.2	1480.3	1179.5
RP2TR_IM	971	971	3573.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
T4_TRONA	998	998	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-----										
TOTAL AIR BASIN EMISSIONS			44855.8	39149.0	38666.7	37718.8	36587.7	35705.2	37519.4	36264.8
=====										
TOTAL SYSTEM EMISSIONS			44855.8	39149.0	38666.7	37718.9	36587.7	35705.2	37519.4	36264.8

EFFLUENT: NOX (B) (INDEX # 4)  
AMOUNT RELEASED (TONS )

			2027	2028	2029	2030	2031	2032	2033	2034
---- AIR BASIN: AEPSPYS ----										
NAME	NUMBER	INDEX								
THERMAL UNITS										
AMOS	1	1	1201.7	1217.6	1055.2	1221.4	1123.9	1223.3	1221.4	1066.9
AMOS	2	2	1222.2	1132.9	1224.6	1240.5	1237.5	1238.8	1140.2	1231.4
AMOS_OP	3	3	1816.6	1830.3	1830.6	2041.0	2047.1	1835.6	1856.4	1851.8
BECKJORD	6	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIG SAND	1	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIG SAND	2	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CARD 1+2	1	7	922.7	831.1	944.8	828.5	925.9	834.2	948.4	831.2
CARD 1+2	2	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CARD 3	3	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CLINCH R	1	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CLINCH R	2	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CLINCH R	3	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ROCKP_KP	1	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ROCKP_KP	2	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 1-4	3	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 1-4	4	22	688.9	689.6	649.2	694.6	696.7	657.0	699.0	703.0
CSVL 5+6	5	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 5+6	6	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

SB Output Summary.REP

GAVIN	1	27	3540.6	3269.9	3544.5	3338.8	3548.6	3354.7	3557.5	3284.5
GAVIN	2	28	3036.7	3239.5	2977.3	3243.3	2865.3	3252.0	3053.1	3251.4
GLEN LYN	5	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GLEN LYN	6	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KAMMER	1	33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KAMMER	2	34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KAMMER	3	35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KANAWHA	1	36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KANAWHA	2	37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MITCHELL	1	43	1095.5	1094.5	967.8	1100.5	959.9	1098.9	1007.8	1093.7
MITCHELL	2	44	1068.5	945.1	1070.4	1072.0	1073.2	947.7	1076.3	1066.9
MOUNT_ER	1	45	3361.0	3174.8	3364.2	3176.5	3307.0	3192.2	3309.9	3049.3
MUSK RVR	1	46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	2	47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	3	48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	4	49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	5	50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	1	51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	2	52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	3	53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	4	54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PICWAY	5	56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RFRUN_IM	1	58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ROCKF_IM	2	59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STUART	1	61	623.6	626.8	665.5	625.1	623.7	667.0	623.8	563.2
STUART	2	62	638.7	683.8	638.4	639.8	682.5	641.3	639.7	683.2
STUART	3	63	615.1	657.6	617.4	620.3	661.1	622.8	622.4	663.9
STUART	4	64	685.0	732.4	686.1	687.6	733.4	619.7	687.9	734.5
AMOS AP	3	65	826.9	840.7	830.3	929.1	929.4	834.3	840.3	833.3
TANN 1-3	1	66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANN 1-3	2	67	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANN 4	4	69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ZIMMER	1	70	2263.8	2681.9	2678.4	2413.0	2686.4	2694.6	2270.3	2686.2
ROBTMONE	1	71	23.4	23.3	23.4	22.9	24.4	24.8	24.2	23.3
ROBTMONE	2	72	12.0	0.0	12.2	3.2	20.9	5.0	0.0	0.2
ROBTMONE	3	73	18.3	18.8	18.1	20.9	17.7	16.1	20.6	20.1
CEREDO	1	75	52.7	70.8	62.6	52.2	71.3	71.1	78.2	82.9
CEREDO	2	76	48.5	61.1	58.5	49.6	68.6	64.8	72.4	78.3
CEREDO	3	77	41.1	51.7	47.7	45.7	55.1	63.8	60.3	72.3
CEREDO	4	78	57.6	73.2	45.5	73.6	75.0	52.3	88.0	82.4
CEREDO	5	79	41.9	56.2	53.7	54.4	64.2	64.6	71.6	55.3
CEREDO	6	80	40.5	49.3	36.7	54.1	52.3	56.7	45.8	63.9
DARBY	1	81	18.3	18.2	17.9	18.0	18.2	18.2	18.9	18.6
DARBY	2	82	17.1	17.0	16.8	17.0	17.1	17.1	17.7	17.3
DARBY	3	83	15.9	15.8	15.6	16.0	15.9	16.4	16.5	16.1
DARBY	4	84	14.8	14.7	14.6	15.2	14.8	15.5	15.3	13.6
DARBY	5	85	13.8	13.7	13.6	12.1	13.8	14.4	14.3	12.8
DARBY	6	86	11.1	11.0	11.1	11.3	11.3	11.9	11.7	11.5
LWBG WIN	1	87	51.6	51.8	51.4	51.9	52.4	52.7	52.2	52.7
LWBG WIN	2	88	68.1	68.5	68.0	68.4	69.1	69.8	69.3	69.9
LWBG SHR	1	89	25.2	25.5	25.1	25.9	26.2	26.4	26.5	26.7
LWBG SHR	2	90	28.4	28.8	28.5	29.2	29.6	29.9	30.0	30.3
WATR CC	1	91	47.4	47.2	47.4	48.4	48.8	48.7	48.4	48.9
WATR2	1	92	31.5	31.9	31.2	32.1	32.7	32.8	32.8	32.8
DRESDEN	1	93	139.1	145.4	144.0	143.3	143.4	146.2	145.5	143.9
DRES2	1	94	30.7	30.8	30.7	30.9	31.1	31.2	31.0	30.8
CC_KPCO	953	953	0.0	0.0	0.0	0.0	27.3	27.1	27.3	27.3
CT_KPCO	954	954	18.5	18.6	20.1	19.0	23.9	24.0	24.0	24.3
CT_KPCO	955	955	12.0	12.2	12.9	12.6	16.2	16.4	16.2	16.4
CT_KPCO	956	956	7.3	7.6	7.8	7.8	10.2	10.3	10.2	10.2
CT_KPCO	957	957	4.2	4.4	4.5	4.5	6.0	6.0	5.9	5.8
BS_BF50	958	958	72.5	71.6	71.4	72.6	76.1	77.0	77.9	78.5
RP2D_KP	959	959	717.0	645.7	677.7	520.8	697.0	738.6	640.5	718.1
RP2D_IM	960	960	6742.5	5545.1	6466.0	6428.3	4938.5	6897.5	6452.0	6731.9
CSV6_SCR	961	961	438.4	357.0	462.5	482.1	465.7	417.5	475.3	371.5
CSV5_SCR	962	962	450.3	399.8	453.1	434.5	455.7	426.5	454.9	461.6
RP1D_KP	964	964	240.2	254.3	239.9	254.6	221.0	255.3	255.8	241.3
RP1D_O3	965	965	1025.5	1102.9	777.7	1038.0	1100.4	1039.3	1087.1	985.3
CR2_NGCC	966	966	23.3	25.5	24.8	26.1	25.8	26.4	27.4	26.2
CR1_NGCC	967	967	27.5	29.1	29.3	29.9	29.0	30.0	30.1	29.9
MR5_NGCC	968	968	91.9	92.1	91.8	92.2	92.4	92.6	92.3	92.2
RP2TR_KP	969	969	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BS1_Gas	970	970	1397.1	1393.9	1199.1	1414.0	0.0	0.0	0.0	0.0
RP2TR_IM	971	971	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
T4_TRONA	998	998	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

-----  
TOTAL AIR BASIN EMISSIONS 35724.7 34533.5 35157.6 35605.1 33260.4 34749.0 34222.5 34419.9  
† 02/07/13 15:32:47 V04.0 R03.0  
NewEnergy Associates  
Strategist Page 131

AEP EAST  
GENERATION AND FUEL MODULE  
EMISSIONS RELEASED REPORT

EFFLUENT: NOX (B) (INDEX # 4)  
AMOUNT RELEASED (TONS)

	2027	2028	2029	2030	2031	2032	2033	2034
--	------	------	------	------	------	------	------	------

-----  
--- AIR BASIN: AEP SYS ---  
NAME NUMBER INDEX

TOTAL SYSTEM EMISSIONS	35724.7	34533.5	35157.6	35605.1	33260.4	34749.0	34222.6	34419.9
------------------------	---------	---------	---------	---------	---------	---------	---------	---------



SB Output Summary.REP

EFFLUENT: NOX (B) (INDEX # 4)  
 AMOUNT RELEASED (TONS )

		2035	2036	2037	2038	2039	2040
---- AIR BASIN: AEPSPYS ----							
NAME	NUMBER INDEX						
THERMAL UNITS							
AMOS	1 1	1221.3	1136.8	1203.6	1228.4	1214.8	1199.0
AMOS	2 2	1241.7	1253.6	1226.6	1246.6	1234.1	1232.0
AMOS_OP	3 3	2070.1	2077.4	1857.0	2080.4	1871.5	2090.9
BECKJORD	6 4	0.0	0.0	0.0	0.0	0.0	0.0
BIG SAND	1 5	0.0	0.0	0.0	0.0	0.0	0.0
BIG SAND	2 6	0.0	0.0	0.0	0.0	0.0	0.0
CARD 1+2	1 7	928.2	836.1	950.7	832.5	832.1	931.7
CARD 1+2	2 8	0.0	0.0	0.0	0.0	0.0	0.0
CARD 3	3 9	0.0	0.0	0.0	0.0	0.0	0.0
CLINCH R	1 16	0.0	0.0	0.0	0.0	0.0	0.0
CLINCH R	2 17	0.0	0.0	0.0	0.0	0.0	0.0
CLINCH R	3 18	0.0	0.0	0.0	0.0	0.0	0.0
ROCKP_KP	1 19	0.0	0.0	0.0	0.0	0.0	0.0
ROCKP_KP	2 20	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 1-4	3 21	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 1-4	4 22	662.4	710.4	707.8	667.2	713.2	673.0
CSVL 5+6	5 23	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 5+6	6 24	0.0	0.0	0.0	0.0	0.0	0.0
GAVIN	1 27	3561.1	3361.8	3566.5	3284.6	3567.2	3366.5
GAVIN	2 28	2548.1	3263.1	3059.1	3256.6	2996.6	3270.3
GLEN LYN	5 29	0.0	0.0	0.0	0.0	0.0	0.0
GLEN LYN	6 30	0.0	0.0	0.0	0.0	0.0	0.0
KAMMER	1 33	0.0	0.0	0.0	0.0	0.0	0.0
KAMMER	2 34	0.0	0.0	0.0	0.0	0.0	0.0
KAMMER	3 35	0.0	0.0	0.0	0.0	0.0	0.0
KANAWHA	1 36	0.0	0.0	0.0	0.0	0.0	0.0
KANAWHA	2 37	0.0	0.0	0.0	0.0	0.0	0.0
MITCHELL	1 43	1049.2	970.6	1095.6	1098.5	975.2	1107.2
MITCHELL	2 44	940.0	1079.2	1073.2	948.6	1079.9	1081.9
MOUNT_ER	1 45	3316.7	2544.9	3384.3	3191.4	3391.8	3200.2
MUSK RVR	1 46	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	2 47	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	3 48	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	4 49	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	5 50	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	1 51	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	2 52	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	3 53	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	4 54	0.0	0.0	0.0	0.0	0.0	0.0
PICWAY	5 56	0.0	0.0	0.0	0.0	0.0	0.0
RPRUN_IM	1 58	0.0	0.0	0.0	0.0	0.0	0.0
ROCKP_IM	2 59	0.0	0.0	0.0	0.0	0.0	0.0
STUART	1 61	667.8	628.4	627.4	668.7	627.2	630.0
STUART	2 62	640.5	642.2	683.5	640.3	640.9	685.7
STUART	3 63	623.7	627.0	665.4	624.3	625.3	668.7
STUART	4 64	689.0	691.7	735.9	690.2	690.8	738.8
AMOS_AP	3 65	921.5	926.5	815.9	925.0	827.3	891.5
TANN 1-3	1 66	0.0	0.0	0.0	0.0	0.0	0.0
TANN 1-3	2 67	0.0	0.0	0.0	0.0	0.0	0.0
TANN 4	4 69	0.0	0.0	0.0	0.0	0.0	0.0
ZIMMER	1 70	2686.2	2426.9	2693.0	2689.5	2274.1	2698.1
ROBTMONE	1 71	23.4	22.8	22.6	21.3	21.5	20.8
ROBTMONE	2 72	0.0	0.2	11.8	0.0	11.6	2.5
ROBTMONE	3 73	19.7	19.0	17.0	17.1	15.9	16.7
CEREDO	1 75	54.2	82.1	75.1	78.8	71.1	64.4
CEREDO	2 76	62.1	80.7	73.2	78.4	67.1	64.4
CEREDO	3 77	56.5	75.4	66.0	61.3	60.7	58.2
CEREDO	4 78	83.5	86.9	80.8	79.2	80.2	71.0
CEREDO	5 79	67.0	77.7	69.3	67.9	64.2	86.2
CEREDO	6 80	61.6	74.1	62.4	47.4	52.8	76.2
DARBY	1 81	16.4	18.2	18.3	17.5	17.5	16.3
DARBY	2 82	15.4	16.9	17.0	16.2	16.2	15.1
DARBY	3 83	13.8	15.7	15.8	15.0	15.1	14.0
DARBY	4 84	15.3	14.6	14.6	13.9	13.9	13.1
DARBY	5 85	14.1	13.5	13.5	12.8	12.9	10.7
DARBY	6 86	11.5	10.9	11.1	10.5	10.6	9.9
LWBG WIN	1 87	52.7	52.7	52.4	53.4	53.4	53.2
LWBG WIN	2 88	70.6	70.5	70.3	71.9	71.7	71.6
LWBG SMR	1 89	26.9	27.0	27.2	27.2	27.5	27.4
LWBG SMR	2 90	30.5	30.6	30.9	31.0	31.3	31.3
WATR CC	1 91	48.3	48.3	47.9	51.0	51.1	50.9
WATR2	1 92	32.9	32.8	33.2	32.8	33.3	32.6
DRESDEN	1 93	140.3	140.1	139.6	207.4	207.9	135.4
DRESD2	1 94	30.6	33.0	31.4	30.4	30.4	33.1
CC_KPCO	953 953	27.9	27.5	27.2	27.8	27.2	28.0
CT_KPCO	954 954	23.9	24.0	24.2	24.3	24.3	24.2
CT_KPCO	955 955	16.0	16.2	16.3	16.3	16.4	16.2
CT_KPCO	956 956	9.9	10.2	10.1	10.1	10.1	9.9
CT_KPCO	957 957	5.7	5.9	5.7	5.6	5.6	5.4
BS_BF50	958 958	77.3	80.4	80.7	80.6	81.3	80.6
RP2D_KP	959 959	547.9	655.1	695.4	626.6	699.8	531.2
RP2D_IM	960 960	5908.6	5082.0	6691.0	5795.9	6934.7	5642.2
CSV6_SCR	961 961	453.2	452.3	481.2	411.4	485.4	505.7
CSV5_SCR	962 962	368.9	464.2	464.7	417.3	471.9	453.9
RP1D_KP	964 964	255.0	243.2	257.6	224.4	259.4	260.5
RP1D_03	965 965	764.6	1025.0	915.2	1006.3	898.7	961.4
CR2_NGCC	966 966	25.7	26.2	25.9	24.2	23.8	25.5
CR1_NGCC	967 967	28.3	29.4	28.5	27.5	27.0	27.4
MR5_NGCC	968 968	92.1	92.3	92.2	91.7	91.9	91.9
RP2TR_KP	969 969	0.0	0.0	0.0	0.0	0.0	0.0



SB Output Summary.REP

BS1_Gas	970	970	0.0	0.0	0.0	0.0	0.0	0.0
RP2TR_IM	971	971	0.0	0.0	0.0	0.0	0.0	0.0
T4_TRONA	998	998	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL AIR BASIN EMISSIONS	33319.7	32454.5	35162.5	33905.4	34657.4	34104.4		
TOTAL SYSTEM EMISSIONS	33319.8	32454.5	35162.5	33905.4	34657.4	34104.4		

‡ 02/07/13 15:32:48 W04.0 R03.0

NewEnergy Associates  
Strategist Page 132

AEP EAST  
GENERATION AND FUEL MODULE  
EMISSIONS RELEASED REPORT

EFFLUENT: NSR S02 (INDEX # 5)  
AMOUNT RELEASED (TONS )

2011 2012 2013 2014 2015 2016 2017 2018

---- AIR BASIN: AEP SYS ----  
NAME NUMBER INDEX

THERMAL UNITS

BIG SAND	1	5	5169.6	3206.8	2582.1	1633.8	1450.1	0.0	0.0	0.0
BIG SAND	2	6	29036.0	18094.8	15931.1	10177.0	3610.3	0.0	0.0	0.0
ROCKP_KP	1	19	5023.3	4553.8	4094.6	3131.1	2907.3	0.0	0.0	0.0
ROCKP_KP	2	20	5509.0	3497.3	2462.3	1851.2	345.3	0.0	0.0	0.0
RP2D_KP	959	959	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP1D_KP	964	964	0.0	0.0	0.0	0.0	0.0	856.7	817.3	888.1
RP2TR_KP	969	969	0.0	0.0	0.0	0.0	1422.0	2282.2	2639.7	2432.6

TOTAL AIR BASIN EMISSIONS	44737.9	29352.7	25070.2	16793.1	9735.0	3138.9	3457.0	3320.6
TOTAL SYSTEM EMISSIONS	44737.9	29352.7	25070.2	16793.1	9735.0	3138.9	3457.0	3320.6

EFFLUENT: NSR S02 (INDEX # 5)  
AMOUNT RELEASED (TONS )

2019 2020 2021 2022 2023 2024 2025 2026

---- AIR BASIN: AEP SYS ----  
NAME NUMBER INDEX

THERMAL UNITS

BIG SAND	1	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
BIG SAND	2	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
ROCKP_KP	1	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
ROCKP_KP	2	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
RP2D_KP	959	959	0.0	2041.5	2912.8	2266.5	1970.8	2348.6	1734.8	2023.2
RP1D_KP	964	964	891.2	845.8	880.4	743.1	786.7	685.7	791.9	779.5
RP2TR_KP	969	969	2681.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL AIR BASIN EMISSIONS	3572.9	2887.3	3793.3	3009.6	2757.5	3034.3	2526.8	2802.7
TOTAL SYSTEM EMISSIONS	3572.9	2887.3	3793.3	3009.6	2757.5	3034.3	2526.8	2802.7

EFFLUENT: NSR S02 (INDEX # 5)  
AMOUNT RELEASED (TONS )

2027 2028 2029 2030 2031 2032 2033 2034

---- AIR BASIN: AEP SYS ----  
NAME NUMBER INDEX

THERMAL UNITS

BIG SAND	1	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
BIG SAND	2	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
ROCKP_KP	1	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
ROCKP_KP	2	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
RP2D_KP	959	959	2173.7	1957.3	2054.3	1578.7	2113.1	2239.2	1941.6	2176.8
RP1D_KP	964	964	738.4	781.6	737.5	782.6	679.4	784.9	786.5	741.8
RP2TR_KP	969	969	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL AIR BASIN EMISSIONS	2912.1	2739.0	2791.8	2361.3	2792.5	3024.1	2728.0	2918.6
TOTAL SYSTEM EMISSIONS	2912.1	2739.0	2791.8	2361.3	2792.5	3024.1	2728.0	2918.6

EFFLUENT: NSR S02 (INDEX # 5)  
AMOUNT RELEASED (TONS )

2035 2036 2037 2038 2039 2040

---- AIR BASIN: AEP SYS ----  
NAME NUMBER INDEX

THERMAL UNITS

BIG SAND	1	5	0.0	0.0	0.0	0.0	0.0	0.0
BIG SAND	2	6	0.0	0.0	0.0	0.0	0.0	0.0
ROCKP_KP	1	19	0.0	0.0	0.0	0.0	0.0	0.0
ROCKP_KP	2	20	0.0	0.0	0.0	0.0	0.0	0.0
RP2D_KP	959	959	1661.1	1986.1	2108.2	1899.4	2121.5	1610.4
RP1D_KP	964	964	783.8	747.5	792.1	689.8	797.3	800.8
RP2TR_KP	969	969	0.0	0.0	0.0	0.0	0.0	0.0

SB Output Summary.REP

TOTAL AIR BASIN EMISSIONS	2444.9	2733.6	2900.3	2589.3	2918.8	2411.2
TOTAL SYSTEM EMISSIONS	2444.9	2733.6	2900.3	2589.3	2918.8	2411.2

02/07/13 15:32:48 V04.0 R03.0

NewEnergy Associates  
Strategist Page 133

AEP EAST  
GENERATION AND FUEL MODULE  
EMISSIONS RELEASED REPORT

EFFLUENT: HG (E) (INDEX # 6)  
AMOUNT RELEASED (TONS)

NAME	NUMBER	INDEX	2011	2012	2013	2014	2015	2016	2017	2018
---- AIR BASIN: AEPSPYS ----										
THERMAL UNITS										
AMOS	1	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AMOS	2	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AMOS_OP	3	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BECKJORD	6	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIG SAND	1	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIG SAND	2	6	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0
CARD 1+2	1	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CARD 1+2	2	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CARD 3	3	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CLINCH R	1	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CLINCH R	2	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CLINCH R	3	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ROCKP_KP	1	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ROCKP_KP	2	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 1-4	3	21	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 1-4	4	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 5+6	5	23	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2
CSVL 5+6	6	24	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.2
GAVIN	1	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GAVIN	2	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GLEN LYN	6	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KAMMER	1	33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KAMMER	2	34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KAMMER	3	35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KANAWHA	1	36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KANAWHA	2	37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MITCHELL	1	43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MITCHELL	2	44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MOUNT_ER	1	45	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
MUSK RVR	1	46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	2	47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	3	48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	4	49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	5	50	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
P SPORN	1	51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	2	52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	3	53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	4	54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PICWAY	5	56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RPRUN_IM	1	58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ROCKP_IM	2	59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STUART	1	61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STUART	2	62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STUART	3	63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STUART	4	64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AMOS_AP	3	65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANN 4	4	69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ZIMMER	1	70	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
RP2D_KP	959	959	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP2D_IM	960	960	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSV6_SCR	961	961	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSV5_SCR	962	962	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP1D_KP	964	964	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP1D_03	965	965	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP2TR_KP	969	969	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP2TR_IM	971	971	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
T4_TRONA	998	998	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL AIR BASIN EMISSIONS			1.5	1.5	1.4	1.5	1.0	0.9	1.0	0.9
TOTAL SYSTEM EMISSIONS			1.5	1.5	1.4	1.5	1.0	0.9	1.0	0.9

EFFLUENT: HG (E) (INDEX # 6)  
AMOUNT RELEASED (TONS)

NAME	NUMBER	INDEX	2019	2020	2021	2022	2023	2024	2025	2026
---- AIR BASIN: AEPSPYS ----										
THERMAL UNITS										
AMOS	1	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AMOS	2	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AMOS_OP	3	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BECKJORD	6	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

SB Output Summary.REP

BIG SAND	1	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIG SAND	2	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CARD 1+2	1	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CARD 1+2	2	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CARD 3	3	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CLINCH R	1	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CLINCH R	2	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CLINCH R	3	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ROCKP_KP	1	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ROCKP_KP	2	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 1-4	3	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 1-4	4	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 5+6	5	23	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 5+6	6	24	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GAVIN	1	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GAVIN	2	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GLEN LYN	6	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KAMMER	1	33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KAMMER	2	34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KAMMER	3	35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KANAWHA	1	36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KANAWHA	2	37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MITCHELL	1	43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MITCHELL	2	44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MOUNT_ER	1	45	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
MUSK RVR	1	46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	2	47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	3	48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	4	49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	5	50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	1	51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	2	52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	3	53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	4	54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PICWAY	5	56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RPRUM_IM	1	58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ROCKP_IM	2	59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STUART	1	61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STUART	2	62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STUART	3	63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STUART	4	64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AMOS_AP	3	65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANN	4	69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ZIMMER	1	70	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP2D_KP	959	959	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP2D_IM	960	960	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSV6_SCR	961	961	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSV5_SCR	962	962	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP1D_KP	964	964	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP1D_03	965	965	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP2TR_KP	969	969	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP2TR_IM	971	971	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
T4_TRONA	998	998	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL AIR BASIN EMISSIONS	0.9	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
TOTAL SYSTEM EMISSIONS	0.9	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

EFFLUENT: HG (E) (INDEX # 6)  
 AMOUNT RELEASED (TONS )

NAME	NUMBER	INDEX	2027	2028	2029	2030	2031	2032	2033	2034
---- AIR BASIN: AEP SYS ----										
THERMAL UNITS										
AMOS	1	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AMOS	2	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AMOS_OP	3	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BECKJORD	6	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIG SAND	1	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIG SAND	2	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CARD 1+2	1	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CARD 1+2	2	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CARD 3	3	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CLINCH R	1	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CLINCH R	2	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CLINCH R	3	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

‡ 02/07/13 15:32:48 V04.0 R03.0

NewEnergy Associates  
 Strategist Page 134

AEP EAST  
 GENERATION AND FUEL MODULE  
 EMISSIONS RELEASED REPORT

EFFLUENT: HG (E) (INDEX # 6)  
 AMOUNT RELEASED (TONS )

NAME	NUMBER	INDEX	2027	2028	2029	2030	2031	2032	2033	2034
---- AIR BASIN: AEP SYS ----										
ROCKP_KP	1	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ROCKP_KP	2	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

SB Output Summary.REP

CSVL 1-4	3	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 1-4	4	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 5+6	5	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 5+6	6	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GAVIN	1	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GAVIN	2	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GLEN LYN	6	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KAMMER	1	33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KAMMER	2	34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KAMMER	3	35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KANAWHA	1	36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KANAWHA	2	37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MITCHELL	1	43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MITCHELL	2	44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MOUNT_ER	1	45	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
MUSK RVR	1	46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	2	47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	3	48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	4	49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	5	50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	1	51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	2	52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	3	53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	4	54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PICWAY	5	56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RPRUM_IM	1	58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ROCKP_IM	2	59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STUART	1	61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STUART	2	62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STUART	3	63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STUART	4	64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AMOS AP	3	65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANN	4	69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ZIMMER	1	70	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.1
RP2D_KP	959	959	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP2D_IM	960	960	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSV6_SCR	961	961	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSV5_SCR	962	962	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP1D_KP	964	964	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP1D_03	965	965	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP2TR_KP	969	969	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP2TR_IM	971	971	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
T4_TRONA	998	998	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL AIR BASIN EMISSIONS	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
TOTAL SYSTEM EMISSIONS	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

EFFLUENT: HG (E) (INDEX # 6)  
 AMOUNT RELEASED (TONS )

2035 2036 2037 2038 2039 2040

---- AIR BASIN: AEPSSYS ----  
 NAME NUMBER INDEX

THERMAL UNITS		2035	2036	2037	2038	2039	2040
AMOS	1	0.0	0.0	0.0	0.0	0.0	0.0
AMOS	2	0.0	0.0	0.0	0.0	0.0	0.0
AMOS OP	3	0.0	0.0	0.0	0.0	0.0	0.0
BECKTORD	6	0.0	0.0	0.0	0.0	0.0	0.0
BIG SAND	1	0.0	0.0	0.0	0.0	0.0	0.0
BIG SAND	2	0.0	0.0	0.0	0.0	0.0	0.0
CARD 1+2	1	0.0	0.0	0.0	0.0	0.0	0.0
CARD 1+2	2	0.0	0.0	0.0	0.0	0.0	0.0
CARD 3	3	0.0	0.0	0.0	0.0	0.0	0.0
CLINCH R	1	0.0	0.0	0.0	0.0	0.0	0.0
CLINCH R	2	0.0	0.0	0.0	0.0	0.0	0.0
CLINCH R	3	0.0	0.0	0.0	0.0	0.0	0.0
ROCKP_KP	1	0.0	0.0	0.0	0.0	0.0	0.0
ROCKP_KP	2	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 1-4	3	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 1-4	4	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 5+6	5	0.0	0.0	0.0	0.0	0.0	0.0
CSVL 5+6	6	0.0	0.0	0.0	0.0	0.0	0.0
GAVIN	1	0.0	0.0	0.0	0.0	0.0	0.0
GAVIN	2	0.0	0.0	0.0	0.0	0.0	0.0
GLEN LYN	6	0.0	0.0	0.0	0.0	0.0	0.0
KAMMER	1	0.0	0.0	0.0	0.0	0.0	0.0
KAMMER	2	0.0	0.0	0.0	0.0	0.0	0.0
KAMMER	3	0.0	0.0	0.0	0.0	0.0	0.0
KANAWHA	1	0.0	0.0	0.0	0.0	0.0	0.0
KANAWHA	2	0.0	0.0	0.0	0.0	0.0	0.0
MITCHELL	1	0.0	0.0	0.0	0.0	0.0	0.0
MITCHELL	2	0.0	0.0	0.0	0.0	0.0	0.0
MOUNT_ER	1	0.1	0.1	0.1	0.1	0.1	0.1
MUSK RVR	1	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	2	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	3	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	4	0.0	0.0	0.0	0.0	0.0	0.0
MUSK RVR	5	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	1	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	2	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	3	0.0	0.0	0.0	0.0	0.0	0.0
P SPORN	4	0.0	0.0	0.0	0.0	0.0	0.0
PICWAY	5	0.0	0.0	0.0	0.0	0.0	0.0
RPRUM_IM	1	0.0	0.0	0.0	0.0	0.0	0.0











































[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

02/07/13 15:32:49 v04.0 R03.0

NewEnergy Associates  
Strategist Page

150

AEP EAST  
PROVIEW LEAST COST OPTIMIZATION SYSTEM  
STUDY PERIOD PLAN COMPARISON

PLAN RANK	1	2	3	4	5	6	7	8
2011								
2012								
2013	CV3R( 1)	CV3R( 1)	CV3R( 1)	CV3R( 1)	CV3R( 1)	CV3R( 1)	CV3R( 1)	CV3R( 1)
2014	TC4T( 1)	TC4T( 1)	TC4T( 1)	TC4T( 1)	TC4T( 1)	TC4T( 1)	TC4T( 1)	TC4T( 1)
2015	BK6R( 1)	BK6R( 1)	BK6R( 1)	BK6R( 1)	BK6R( 1)	BK6R( 1)	BK6R( 1)	BK6R( 1)
	BS1R( 1)	BS1R( 1)	BS1R( 1)	BS1R( 1)	BS1R( 1)	BS1R( 1)	BS1R( 1)	BS1R( 1)
	BS2R( 1)	BS2R( 1)	BS2R( 1)	BS2R( 1)	BS2R( 1)	BS2R( 1)	BS2R( 1)	BS2R( 1)
	CR1R( 1)	CR1R( 1)	CR1R( 1)	CR1R( 1)	CR1R( 1)	CR1R( 1)	CR1R( 1)	CR1R( 1)
	CR2R( 1)	CR2R( 1)	CR2R( 1)	CR2R( 1)	CR2R( 1)	CR2R( 1)	CR2R( 1)	CR2R( 1)
	CR3R( 1)	CR3R( 1)	CR3R( 1)	CR3R( 1)	CR3R( 1)	CR3R( 1)	CR3R( 1)	CR3R( 1)
	GL5R( 1)	GL5R( 1)	GL5R( 1)	GL5R( 1)	GL5R( 1)	GL5R( 1)	GL5R( 1)	GL5R( 1)
	GL6R( 1)	GL6R( 1)	GL6R( 1)	GL6R( 1)	GL6R( 1)	GL6R( 1)	GL6R( 1)	GL6R( 1)
	KM1R( 1)	KM1R( 1)	KM1R( 1)	KM1R( 1)	KM1R( 1)	KM1R( 1)	KM1R( 1)	KM1R( 1)
	KM2R( 1)	KM2R( 1)	KM2R( 1)	KM2R( 1)	KM2R( 1)	KM2R( 1)	KM2R( 1)	KM2R( 1)
	KM3R( 1)	KM3R( 1)	KM3R( 1)	KM3R( 1)	KM3R( 1)	KM3R( 1)	KM3R( 1)	KM3R( 1)
	KN1R( 1)	KN1R( 1)	KN1R( 1)	KN1R( 1)	KN1R( 1)	KN1R( 1)	KN1R( 1)	KN1R( 1)
	KN2R( 1)	KN2R( 1)	KN2R( 1)	KN2R( 1)	KN2R( 1)	KN2R( 1)	KN2R( 1)	KN2R( 1)
	MR1R( 1)	MR1R( 1)	MR1R( 1)	MR1R( 1)	MR1R( 1)	MR1R( 1)	MR1R( 1)	MR1R( 1)
	MR2R( 1)	MR2R( 1)	MR2R( 1)	MR2R( 1)	MR2R( 1)	MR2R( 1)	MR2R( 1)	MR2R( 1)
	MR3R( 1)	MR3R( 1)	MR3R( 1)	MR3R( 1)	MR3R( 1)	MR3R( 1)	MR3R( 1)	MR3R( 1)
	MR4R( 1)	MR4R( 1)	MR4R( 1)	MR4R( 1)	MR4R( 1)	MR4R( 1)	MR4R( 1)	MR4R( 1)
	MR5R( 1)	MR5R( 1)	MR5R( 1)	MR5R( 1)	MR5R( 1)	MR5R( 1)	MR5R( 1)	MR5R( 1)



SB Output Summary.REP

	PW5R( 1)	PW5R( 1)	PW5R( 1)	PW5R( 1)	PW5R( 1)	PW5R( 1)	PW5R( 1)	PW5R( 1)
	SP1R( 1)	SP1R( 1)	SP1R( 1)	SP1R( 1)	SP1R( 1)	SP1R( 1)	SP1R( 1)	SP1R( 1)
	SP2R( 1)	SP2R( 1)	SP2R( 1)	SP2R( 1)	SP2R( 1)	SP2R( 1)	SP2R( 1)	SP2R( 1)
	SP3R( 1)	SP3R( 1)	SP3R( 1)	SP3R( 1)	SP3R( 1)	SP3R( 1)	SP3R( 1)	SP3R( 1)
	SP4R( 1)	SP4R( 1)	SP4R( 1)	SP4R( 1)	SP4R( 1)	SP4R( 1)	SP4R( 1)	SP4R( 1)
	TN1R( 1)	TN1R( 1)	TN1R( 1)	TN1R( 1)	TN1R( 1)	TN1R( 1)	TN1R( 1)	TN1R( 1)
	TN2R( 1)	TN2R( 1)	TN2R( 1)	TN2R( 1)	TN2R( 1)	TN2R( 1)	TN2R( 1)	TN2R( 1)
	TN3R( 1)	TN3R( 1)	TN3R( 1)	TN3R( 1)	TN3R( 1)	TN3R( 1)	TN3R( 1)	TN3R( 1)
	RP2T( 1)	RP2T( 1)	RP2T( 1)	RP2T( 1)	RP2T( 1)	RP2T( 1)	RP2T( 1)	RP2T( 1)
	B1GC( 1)	B1GC( 1)	B1GC( 1)	B1GC( 1)	B1GC( 1)	B1GC( 1)	B1GC( 1)	B1GC( 1)
	RP2T( 1)	RP2T( 1)	RP2T( 1)	RP2T( 1)	RP2T( 1)	RP2T( 1)	RP2T( 1)	RP2T( 1)
	M5CC( 1)	M5CC( 1)	M5CC( 1)	M5CC( 1)	M5CC( 1)	M5CC( 1)	M5CC( 1)	M5CC( 1)
	CR1G( 1)	CR1G( 1)	CR1G( 1)	CR1G( 1)	CR1G( 1)	CR1G( 1)	CR1G( 1)	CR1G( 1)
	CR2G( 1)	CR2G( 1)	CR2G( 1)	CR2G( 1)	CR2G( 1)	CR2G( 1)	CR2G( 1)	CR2G( 1)
2016	RP3D( 1)	RP3D( 1)	RP3D( 1)	RP3D( 1)	RP3D( 1)	RP3D( 1)	RP3D( 1)	RP3D( 1)
	RP1P( 1)	RP1P( 1)	RP1P( 1)	RP1P( 1)	RP1P( 1)	RP1P( 1)	RP1P( 1)	RP1P( 1)
2017								
2018								
2019								
2020	TN4R( 1)	TN4R( 1)	TN4R( 1)	TN4R( 1)	TN4R( 1)	TN4R( 1)	TN4R( 1)	TN4R( 1)
	CV5D( 1)	CV5D( 1)	CV5D( 1)	CV5D( 1)	CV5D( 1)	CV5D( 1)	CV5D( 1)	CV5D( 1)
	CV6D( 1)	CV6D( 1)	CV6D( 1)	CV6D( 1)	CV6D( 1)	CV6D( 1)	CV6D( 1)	CV6D( 1)
	RP2Q( 1)	RP2Q( 1)	RP2Q( 1)	RP2Q( 1)	RP2Q( 1)	RP2Q( 1)	RP2Q( 1)	RP2Q( 1)
	RP2P( 1)	RP2P( 1)	RP2P( 1)	RP2P( 1)	RP2P( 1)	RP2P( 1)	RP2P( 1)	RP2P( 1)
2021	B FCC( 1)	B FCC( 1)	B FCC( 1)	B FCC( 1)	B FCC( 1)	B FCC( 1)	B FCC( 1)	B FCC( 1)
2022								
2023								
2024								
2025								
2026	CTKP( 4)	CCKP( 1)		CTKP( 4)	CCK2( 1)			
2027								
2028								
2029								
2030								CTKP( 4)
2031	CCKP( 1)	CCKP( 1)	CTKP( 4)	CCK2( 1)		B FCC( 1)	CCKP( 1)	
2032								
2033								
2034								
2035								
2036								
2037								CCKP( 1)
2038								
2039								
2040								

---

P.V. UTILITY COST:								
PLANNING PERIOD	83453232.0	83548144.0	83561096.0	83569264.0	83574416.0	83578584.0	83612200.0	83649040.0
% DIFFERENCE	0.00%	0.11%	0.13%	0.14%	0.15%	0.15%	0.19%	0.23%
END EFFECTS PERIOD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% DIFFERENCE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
STUDY PERIOD	83453232.0	83548144.0	83561096.0	83569264.0	83574416.0	83578584.0	83612200.0	83649040.0
% DIFFERENCE	0.00%	0.11%	0.13%	0.14%	0.15%	0.15%	0.19%	0.23%
PLANNING PERIOD RANK	1	2	3	4	5	6	7	8

SB Output Summary.REP

STUDY PERIOD = PLANNING PERIOD + END EFFECTS PERIOD  
 † 02/07/13 15:32:50 V04.0 R03.0

NewEnergy Associates  
 Strategist Page 151

AEP EAST  
 PROVIDE LEAST COST OPTIMIZATION SYSTEM  
 STUDY PERIOD PLAN COMPARISON

PLAN RANK	9	10	11	12	13	14	15	16
2011								
2012								
2013	CV3R( 1)	CV3R( 1)	CV3R( 1)	CV3R( 1)	CV3R( 1)	CV3R( 1)	CV3R( 1)	CV3R( 1)
2014	TC4T( 1)	TC4T( 1)	TC4T( 1)	TC4T( 1)	TC4T( 1)	TC4T( 1)	TC4T( 1)	TC4T( 1)
2015	BK6R( 1)	BK6R( 1)	BK6R( 1)	BK6R( 1)	BK6R( 1)	BK6R( 1)	BK6R( 1)	BK6R( 1)
	BS1R( 1)	BS1R( 1)	BS1R( 1)	BS1R( 1)	BS1R( 1)	BS1R( 1)	BS1R( 1)	BS1R( 1)
	BS2R( 1)	BS2R( 1)	BS2R( 1)	BS2R( 1)	BS2R( 1)	BS2R( 1)	BS2R( 1)	BS2R( 1)
	CR1R( 1)	CR1R( 1)	CR1R( 1)	CR1R( 1)	CR1R( 1)	CR1R( 1)	CR1R( 1)	CR1R( 1)
	CR2R( 1)	CR2R( 1)	CR2R( 1)	CR2R( 1)	CR2R( 1)	CR2R( 1)	CR2R( 1)	CR2R( 1)
	CR3R( 1)	CR3R( 1)	CR3R( 1)	CR3R( 1)	CR3R( 1)	CR3R( 1)	CR3R( 1)	CR3R( 1)
	GL5R( 1)	GL5R( 1)	GL5R( 1)	GL5R( 1)	GL5R( 1)	GL5R( 1)	GL5R( 1)	GL5R( 1)
	GL6R( 1)	GL6R( 1)	GL6R( 1)	GL6R( 1)	GL6R( 1)	GL6R( 1)	GL6R( 1)	GL6R( 1)
	KM1R( 1)	KM1R( 1)	KM1R( 1)	KM1R( 1)	KM1R( 1)	KM1R( 1)	KM1R( 1)	KM1R( 1)
	KM2R( 1)	KM2R( 1)	KM2R( 1)	KM2R( 1)	KM2R( 1)	KM2R( 1)	KM2R( 1)	KM2R( 1)
	KM3R( 1)	KM3R( 1)	KM3R( 1)	KM3R( 1)	KM3R( 1)	KM3R( 1)	KM3R( 1)	KM3R( 1)
	KN1R( 1)	KN1R( 1)	KN1R( 1)	KN1R( 1)	KN1R( 1)	KN1R( 1)	KN1R( 1)	KN1R( 1)
	KN2R( 1)	KN2R( 1)	KN2R( 1)	KN2R( 1)	KN2R( 1)	KN2R( 1)	KN2R( 1)	KN2R( 1)
	MR1R( 1)	MR1R( 1)	MR1R( 1)	MR1R( 1)	MR1R( 1)	MR1R( 1)	MR1R( 1)	MR1R( 1)
	MR2R( 1)	MR2R( 1)	MR2R( 1)	MR2R( 1)	MR2R( 1)	MR2R( 1)	MR2R( 1)	MR2R( 1)
	MR3R( 1)	MR3R( 1)	MR3R( 1)	MR3R( 1)	MR3R( 1)	MR3R( 1)	MR3R( 1)	MR3R( 1)
	MR4R( 1)	MR4R( 1)	MR4R( 1)	MR4R( 1)	MR4R( 1)	MR4R( 1)	MR4R( 1)	MR4R( 1)
	MR5R( 1)	MR5R( 1)	MR5R( 1)	MR5R( 1)	MR5R( 1)	MR5R( 1)	MR5R( 1)	MR5R( 1)
	PW5R( 1)	PW5R( 1)	PW5R( 1)	PW5R( 1)	PW5R( 1)	PW5R( 1)	PW5R( 1)	PW5R( 1)
	SP1R( 1)	SP1R( 1)	SP1R( 1)	SP1R( 1)	SP1R( 1)	SP1R( 1)	SP1R( 1)	SP1R( 1)
	SP2R( 1)	SP2R( 1)	SP2R( 1)	SP2R( 1)	SP2R( 1)	SP2R( 1)	SP2R( 1)	SP2R( 1)
	SP3R( 1)	SP3R( 1)	SP3R( 1)	SP3R( 1)	SP3R( 1)	SP3R( 1)	SP3R( 1)	SP3R( 1)
	SP4R( 1)	SP4R( 1)	SP4R( 1)	SP4R( 1)	SP4R( 1)	SP4R( 1)	SP4R( 1)	SP4R( 1)
	TN1R( 1)	TN1R( 1)	TN1R( 1)	TN1R( 1)	TN1R( 1)	TN1R( 1)	TN1R( 1)	TN1R( 1)
	TN2R( 1)	TN2R( 1)	TN2R( 1)	TN2R( 1)	TN2R( 1)	TN2R( 1)	TN2R( 1)	TN2R( 1)
	TN3R( 1)	TN3R( 1)	TN3R( 1)	TN3R( 1)	TN3R( 1)	TN3R( 1)	TN3R( 1)	TN3R( 1)
	RP2T( 1)	RP2T( 1)	RP2T( 1)	RP2T( 1)	RP2T( 1)	RP2T( 1)	RP2T( 1)	RP2T( 1)
	B1GC( 1)	B1GC( 1)	B1GC( 1)	B1GC( 1)	B1GC( 1)	B1GC( 1)	B1GC( 1)	B1GC( 1)
	M5CC( 1)	M5CC( 1)	M5CC( 1)	M5CC( 1)	M5CC( 1)	M5CC( 1)	M5CC( 1)	M5CC( 1)
	CR1G( 1)	CR1G( 1)	CR1G( 1)	CR1G( 1)	CR1G( 1)	CR1G( 1)	CR1G( 1)	CR1G( 1)
	CR2G( 1)	CR2G( 1)	CR2G( 1)	CR2G( 1)	CR2G( 1)	CR2G( 1)	CR2G( 1)	CR2G( 1)
2016	RP3D( 1)	RP3D( 1)	RP3D( 1)	RP3D( 1)	RP3D( 1)	RP3D( 1)	RP3D( 1)	RP3D( 1)
	RP1P( 1)	RP1P( 1)	RP1P( 1)	RP1P( 1)	RP1P( 1)	RP1P( 1)	RP1P( 1)	RP1P( 1)
2017								
2018	TN4R( 1)	TN4R( 1)	TN4R( 1)	TN4R( 1)	TN4R( 1)	TN4R( 1)	TN4R( 1)	TN4R( 1)
2019								
2020	CV5D( 1)	CV5D( 1)	CV5D( 1)	CV5D( 1)	CV5D( 1)	CV5D( 1)	CV5D( 1)	CV5D( 1)
	CV6D( 1)	CV6D( 1)	CV6D( 1)	CV6D( 1)	CV6D( 1)	CV6D( 1)	CV6D( 1)	CV6D( 1)
	RP2Q( 1)	RP2Q( 1)	RP2Q( 1)	RP2Q( 1)	RP2Q( 1)	RP2Q( 1)	RP2Q( 1)	RP2Q( 1)
	RP2P( 1)	RP2P( 1)	RP2P( 1)	RP2P( 1)	RP2P( 1)	RP2P( 1)	RP2P( 1)	RP2P( 1)

SB Output Summary.REP

2021	BFCC( 1)	CCK2( 1)	CCK2( 1)	BFC2( 1)	CCK2( 1)	CCK2( 1)	CCKP( 1)	CCKP( 1)
2022							CTKP( 4)	CTKP( 4)
2023								
2024								
2025								
2026	CCKP( 1)						CCKP( 1)	CCKP( 1)
2027								
2028								
2029		CTKP( 4)	CCKP( 1)		CCKP( 1)	CCK2( 1)		
2030								
2031	CCK2( 1)			CCK2( 1)				
2032							BFCC( 1)	CCKP( 1)
2033								
2034								
2035								
2036								
2037		CCK2( 1)						
2038			CCKP( 1)		CCK2( 1)			
2039								
2040								

---

P.V. UTILITY COST:									
PLANNING PERIOD	83656552.0	83690296.0	83694840.0	83719384.0	83724688.0	83775704.0	83826968.0	83860896.0	
% DIFFERENCE	0.24%	0.28%	0.29%	0.32%	0.33%	0.39%	0.45%	0.49%	
END EFFECTS PERIOD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
% DIFFERENCE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
STUDY PERIOD	83656552.0	83690296.0	83694840.0	83719384.0	83724688.0	83775704.0	83826968.0	83860896.0	
% DIFFERENCE	0.24%	0.28%	0.29%	0.32%	0.33%	0.39%	0.45%	0.49%	
PLANNING PERIOD RANK	9	10	11	12	13	14	15	16	

SB Output Summary.REP

STUDY PERIOD = PLANNING PERIOD + END EFFECTS PERIOD  
 ‡ 02/07/13 15:32:50 V04.0 R03.0

NewEnergy Associates  
 Strategist Page 152

AEP EAST  
 PROVIDE LEAST COST OPTIMIZATION SYSTEM  
 STUDY PERIOD PLAN COMPARISON

PLAN RANK	17	18	19	20
2011				
2012				
2013	CV3R( 1)	CV3R( 1)	CV3R( 1)	CV3R( 1)
2014	TC4T( 1)	TC4T( 1)	TC4T( 1)	TC4T( 1)
2015	BK6R( 1)	BK6R( 1)	BK6R( 1)	BK6R( 1)
	BS1R( 1)	BS1R( 1)	BS1R( 1)	BS1R( 1)
	BS2R( 1)	BS2R( 1)	BS2R( 1)	BS2R( 1)
	CR1R( 1)	CR1R( 1)	CR1R( 1)	CR1R( 1)
	CR2R( 1)	CR2R( 1)	CR2R( 1)	CR2R( 1)
	CR3R( 1)	CR3R( 1)	CR3R( 1)	CR3R( 1)
	GL5R( 1)	GL5R( 1)	GL5R( 1)	GL5R( 1)
	GL6R( 1)	GL6R( 1)	GL6R( 1)	GL6R( 1)
	KM1R( 1)	KM1R( 1)	KM1R( 1)	KM1R( 1)
	KM2R( 1)	KM2R( 1)	KM2R( 1)	KM2R( 1)
	KM3R( 1)	KM3R( 1)	KM3R( 1)	KM3R( 1)
	KN1R( 1)	KN1R( 1)	KN1R( 1)	KN1R( 1)
	KN2R( 1)	KN2R( 1)	KN2R( 1)	KN2R( 1)
	MR1R( 1)	MR1R( 1)	MR1R( 1)	MR1R( 1)
	MR2R( 1)	MR2R( 1)	MR2R( 1)	MR2R( 1)
	MR3R( 1)	MR3R( 1)	MR3R( 1)	MR3R( 1)
	MR4R( 1)	MR4R( 1)	MR4R( 1)	MR4R( 1)
	MR5R( 1)	MR5R( 1)	MR5R( 1)	MR5R( 1)
	PW5R( 1)	PW5R( 1)	PW5R( 1)	PW5R( 1)
	SP1R( 1)	SP1R( 1)	SP1R( 1)	SP1R( 1)
	SP2R( 1)	SP2R( 1)	SP2R( 1)	SP2R( 1)
	SP3R( 1)	SP3R( 1)	SP3R( 1)	SP3R( 1)
	SP4R( 1)	SP4R( 1)	SP4R( 1)	SP4R( 1)
	TN1R( 1)	TN1R( 1)	TN1R( 1)	TN1R( 1)
	TN2R( 1)	TN2R( 1)	TN2R( 1)	TN2R( 1)
	TN3R( 1)	TN3R( 1)	TN3R( 1)	TN3R( 1)
	RP2T( 1)	RP2T( 1)	RP2T( 1)	RP2T( 1)
	B1GC( 1)	B1GC( 1)	B1GC( 1)	B1GC( 1)
	RP2T( 1)	RP2T( 1)	RP2T( 1)	RP2T( 1)
	M5CC( 1)	M5CC( 1)	M5CC( 1)	M5CC( 1)
	CR1G( 1)	CR1G( 1)	CR1G( 1)	CR1G( 1)
	CR2G( 1)	CR2G( 1)	CR2G( 1)	CR2G( 1)
2016	RP3D( 1)	RP3D( 1)	RP3D( 1)	RP3D( 1)
	RP1P( 1)	RP1P( 1)	RP1P( 1)	RP1P( 1)
2017				
2018	TN4R( 1)	TN4R( 1)	TN4R( 1)	TN4R( 1)
2019				
2020	CV5D( 1)	CV5D( 1)	CV5D( 1)	CV5D( 1)
	CV6D( 1)	CV6D( 1)	CV6D( 1)	CV6D( 1)
	RP2Q( 1)	RP2Q( 1)	RP2Q( 1)	RP2Q( 1)
	RP2P( 1)	RP2P( 1)	RP2P( 1)	RP2P( 1)
2021	CCKP( 2)	CCKP( 1)	CCKP( 2)	CCKP( 2)
		CTKP( 4)		
2022				
2023				
2024				
2025				
2026	CCKP( 1)	CCKP( 1)	CCKP( 1)	CCKP( 1)
2027				
2028				
2029				
2030				
2031				
2032		CCK2( 1)		
2033	BFCC( 1)		CCKP( 1)	CCK2( 1)
2034				
2035				
2036				
2037				
2038				
2039				
2040				

P.V. UTILITY COST:

SB Output Summary.REP

PLANNING PERIOD	83947552.0	83961416.0	83976448.0	84061584.0
% DIFFERENCE	0.59%	0.61%	0.63%	0.73%
END EFFECTS PERIOD	0.0	0.0	0.0	0.0
% DIFFERENCE	0.00%	0.00%	0.00%	0.00%
STUDY PERIOD	83947552.0	83961416.0	83976448.0	84061584.0
% DIFFERENCE	0.59%	0.61%	0.63%	0.73%
PLANNING PERIOD RANK	17	18	19	20

STUDY PERIOD = PLANNING PERIOD + END EFFECTS PERIOD