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FILE

PUCO EXHIBIT FILING

Date of Hearing: 4-27-12

Case No.

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PUCO

BEFORE

THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Commission Review of the Capacity Charges of Ohio Power Company and Columbus Southern Power Company	))))	Case No. 10-2929-EL-UNC

List of exhibits being filed:

STAFF EXHIBITS

102 - Errata to prefiled testimony of R. Harter

104 - Errata to prefiled testimony of R. Smith

FES EXHIBITS

121 - Workpaper compilation

AEP EXHIBITS

112 - Filing Instructions

117 - Resume of R. Harter

118 - Workpaper of R. Harter

119 - Workpapers of R. Harter

120 - NYMEX Henry Hub Natural Gas Futures

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Reporter's Signature: _____
Date Submitted: 5-10-12

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BEFORE

THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Commission Review of the Capacity Charges of Ohio Power Company and Columbus Southern Power Company	))))	**Case No. 10-2929-EL-UNC**

AEP EXHIBITS

121 - Consulting Companies that use AURORAxmp

122 - FERC Form 1 composite

122A - Additional pages from 2011 Ohio Power FERC Form 1

123 - Comparison of Plant Heat Rates

124 - Comparison of Fuel Costs

125 - Energy Cost Detail

126 - Credits Provided by Year and as a Fixed Rate, RTH-1 and RTH-1 Revised

127 - Staff Reduction in Energy Credit Due to Limited Application of MLR

128 - Workpapers of R. Harter

129A - Staff report, Case Nos. 11-0352-EL-AIR, et al.

129B - Staff report, Case No. 11-0351-EL-AIR, et al.

Reporter's Signature:

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In the Matter of the Commission Review of the Capacity Charges of Ohio Power Company and Columbus Southern Power Company	))))	Case No. 10-2929-EL-UNC

AEP EXHIBITS

130 - Workpapers of R. Harter

131 - Generation workpaper of R. Harter

5-10-12

1 BEFORE THE PUBLIC UTILITIES COMMISSION OF OHIO

2 - - -

3 In the Matter of the :
Commission Review of the :
4 Capacity Charges of Ohio : Case No. 10-2929-EL-UNC
Power Company and Columbus:
5 Southern Power Company. :

6 - - -

7 PROCEEDINGS

8 before Ms. Greta See and Ms. Sarah Parrot, Attorney
9 Examiners, and Commissioner Andre Porter, at the
10 Public Utilities Commission of Ohio, 180 East Broad
11 Street, Room 11-A, Columbus, Ohio, called at 8:06
12 a.m. on Friday, April 27, 2012.

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14 VOLUME IX

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21 ARMSTRONG & OKEY, INC.
222 East Town Street, Second Floor
22 Columbus, Ohio 43215-5201
(614) 224-9481 - (800) 223-9481
23 Fax - (614) 224-5724

24 - - -

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Errata To The Prefiled Testimony of Ryan T. Harter
Filed April 16, 2012

I hereby make the following changes to my prefiled testimony, filed on April 16, 2012:

Page	Line	Change
5	12	Replace $46.75 with $46.55
5	14	Replace $231.02 with $185.33
5	16	Replace $154.24 with $127.38
RTH-1	-	Replace RTH-1 with the attached RTH-1 Revised

Credits Provided by Year and as a Fixed Rate for the 5/1/2012-6/1/2015 Period

Energy Credits

	CSP	Year	Total Generation (MWh)	*Off System* Sales (MWh)	*Gross Margin* (2012 $)	MLR	Retained Margin (2012 $)	Energy Credit ($/MWd) (Note 1)
(1)	May-Dec	2012	7,056,020	16,738	33,531,150	19%	33,400,970	$33.04
(2)		2013	12,305,245	89,633	72,590,447	19%	71,974,748	$47.79
(3)		2014	11,111,823	36,769	73,758,714	19%	73,571,241	$48.85
(4)	Jan-June	2015	4,982,905	911	43,102,350	19%	43,097,901	$57.71
(5)		Total						$46.55

	OPCo	Year	Total Generation (MWh)	Off System Sales (MWh)	Gross Margin (2012 $)	MLR	Retained Margin (2012 $)	Energy Credit ($/MWd) (Note 1)
(6)	May-Dec	2012	21,598,762	7,178,556	236,230,746	22%	175,879,577	$145.47
(7)		2013	20,970,730	813,392	351,493,069	22%	344,998,500	$191.53
(8)		2014	20,983,207	854,019	357,650,517	22%	351,190,264	$194.97
(9)	Jan-June	2015	10,703,901	524,336	189,262,142	22%	185,212,235	$207.35
(10)		Total						$185.33

	Merged	Year	Total Generation (MWh)	Off System Sales (MWh)	Gross Margin (2012 $)	MLR	Retained Margin (2012 $)	Energy Credit ($/MWd) (Note 1)
(11)	May-Dec	2012	28,654,781	3,456,628	269,761,896	40%	247,715,050	$111.59
(12)		2013	33,275,975	84,255	424,083,517	40%	423,430,448	$128.03
(13)		2014	32,095,030	63,361	431,409,231	40%	430,878,429	$130.28
(14)	Jan-June	2015	15,686,806	14,587	232,364,493	40%	232,254,036	$141.61
(15)		*Total*						$127.38

AS Payments

		CSP	OPCO	Merged
(16)	**2011 AS Credits**	$10,037,014	$12,004,155	$22,041,169
(17)	*CP-5 (MW)*	*4126*	*4935*	*9061*
(18)	**AS Credit $/MWDay**	$6.66	$6.66	$6.66

Note 1: This calculation uses the 5 CP Demand numbers presented in KDP-5 and reprinted below.

		CSP	OPCO	Merged
(19)	**CP-5 (MW)**	4126	4935	9061

Errata To The Prefiled Testimony of Ralph C. Smith
Filed April 16, 2012

I hereby make the following changes to my prefiled testimony, filed on April 16, 2012:

Page	Line	Change
9	10	Replace $236.18 with $236.38
9	16	Replace $81.08 with $126.77
10	1	Replace $144.58 with $171.44
Ex. RCS-1		Replace RCS-1 Schedule A, page 1 with the attached RCS-1, Schedule A, page 1, Revised
Ex. RCS-2		Replace RCS-2 Schedule A, page 1 with the attached RCS-2, Schedule A, page 1, Revised
Ex. RCS-3		Replace RCS-3, page 1, with the attached RCS-3, page 1, Revised

COLUMBUS SOUTHERN POWER COMPANY
CAPACITY (FIXED) CHARGE CALCULATION
12 Months Ending 12/31/2010 (actuals with Staff Adjustments)

Exhibit RCS-1
Schedule A
Page 1
Revised

		RATE $/MW/Day (1)	Loss Factor (2)	Final FRR Rate (1) x (2) (Note A) (3)
	Capacity Daily Charge:			
	Per AEP Ohio:			
1	Amount	$316.78211	1.034126	$327.59
	Per Staff:			
2	Amount	$280.03688	1.034126	$289.59
3	Less Energy Sales Margin			($46.55)
4	Less Ancillary Service Revenue for CSP's Generation			($6.66)
5	Capacity Daily Charge			$236.38

Notes and Source

Line 1: Exhibit KDP-3, page 1
Line 2: Exhibit RCS-2, Schedule A, page 2
Line 3&4: Amounts are sponsored by PUCO Staff witness Ryan Harter
Line 5: Sum of Lines 2 through 4

Note A: Final Rate that will be applied to CRES providers demand that will be metered at or adjusted to transmission level.

OHIO POWER COMPANY
CAPACITY (FIXED) CHARGE CALCULATION
12 Months Ending 12/31/2010 (actuals with Staff Adjustments)

Exhibit RCS-2
Schedule A
Page 1
Revised

		RATE $/MW/Day (1)	Loss Factor (2)	Final FRR Rate (1) x (2) (Note A) (3)
	Capacity Daily Charge:			
	Per AEP Ohio:			
1	Amount	$366.71683	1.034126	$379.23
	Per Staff:			
2	Amount	$308.24394	1.034126	$318.76
3	Less Energy Sales Margin			($185.33)
4	Less Ancillary Service Revenue for OPCo's Generation			($6.66)
5	Capacity Daily Charge			$126.77

Notes and Source

Line 1: Exhibit KDP-4, page 1
Line 2: Exhibit RCS-2, Schedule A, page 2
Lines 3&4: Amounts are sponsored by PUCO Staff witness Ryan Harter
Line 5: Sum of Lines 2 through 4

Note A: Final Rate that will be applied to CRES providers demand that will be metered at or adjusted to transmission level.

Merged CSP and OPCo Capacity Charge
Energy Credit Applicable to Capacity Rate Effective 6/2/2012

I. Merged CSP and OPCo Capacity Daily Rate

$$\$/\text{MW-day} = \frac{\text{(Annual Production Fixed Cost of CSP + OPCo)}}{\text{(CSP+OPCo 5 CP Demandx365) (Note A)}}$$

$$\$/\text{MW-day} = \frac{\text{Exhibit RCS-1, Sch A, page 3}\ \$421{,}753{,}189}{4{,}126.2} + \frac{\text{Exhibit RCS-2, Sch A, page 3}\ \$555{,}187{,}093}{4{,}934.6} \Big/ 365$$

$$\$/\text{MW-day} = \frac{\$976{,}940{,}282}{9{,}060.8} \Big/ 365 = \$295.40$$

Note A: Average of demand at time of PJM five highest daily peaks.

Final FRR Rate =	RATE $/MW/Day	x	LOSS FACTOR		
Final FRR Rate =	$295.40	x	1.034126	=	**$305.48**

II. Merged CSP and OPCo Capacity Daily Rate WITH Energy Credit and Ancillary Services Receipts

AEP-Ohio Resulting Merged Capacity Rate

Final Rate =	Capacity Rate	-	Energy Credit and Ancillary Service Receipts (a)		
$/MW-Day =	$305.48	-	$134.04	=	**$171.44**

Note a: Merged Energy Credit and Ancillary Service Revenue provided from PUCO Staff witness Ryan Harter

Energy Credit	$127.38	Revised
Ancillary Services	$6.66	
Combined	$134.04	

FES 121

Item	Staff - Adjusted		
	CSP	OPC	Total
Revised Daily Capacity Cost ($/MW day)	**$ 280.04**	**$ 308.24**	**$ 295.40**
Loss Factor	1.034126	1.034126	1.034126
Daily Capacity Cost ($/MW day) - Adjusted for Loss Factor	**$ 289.59**	**$ 318.76**	**$ 305.48**
Less : Energy Sales Margin	$ (46.55)	$ (185.33)	$ (127.38)
Less: Ancillary Service Revenue for CSP's Generation	$ (6.66)	$ (6.66)	$ (6.66)
Less: Total Adjustments	$ (53.21)	$ (191.99)	$ (134.04)
Adjusted Capacity Rate	$ 236.38	$ 126.77	$ 171.44

	If loss adjustment after Energy Sales Margin Credits		
Revised Daily Capacity Cost ($/MW day)	$ 280.04	$ 308.24	$ 295.40
Less : Energy Sales Margin	$ (46.55)	$ (185.33)	$ (127.38)
Less: Ancillary Service Revenue for CSP's Generation	$ (6.66)	$ (6.66)	$ (6.66)
Daily Capacity Cost ($/MW day) - Adjusted for Reductions	$ 226.83	$ 116.25	$ 161.36
Loss Factor	1.0341	1.0341	1.0341
Daily Capacity Cost ($/MW day) - Adjusted for Loss Factor	**$ 234.57**	**$ 120.22**	**$ 166.87**

Arlington, VA 22203 **Ryan T. Harter** ryan@ryantharter.com

Senior Analyst – Subject Matter Expert – Team Lead

- Demonstrates strong mathematical and economic modeling skills as the primary quantitative analyst for Pace Global's power team
- A diverse background yields innovative solutions to difficult problems, such as the Plant Screening tool developed for Pace Global

Core Competencies

Expert in Excel	Python	Java
VBA Scripting	C/C++	Access
Algorithm Design	MATLAB	Linux and Windows OS
Stochastic Simulation	Data Analysis	Monte-Carlo Simulation

Professional Experience

Pace Global - Analyst 2010-2011

- *Plant Screening Tool*
  Developed an Excel VBA tool to fulfill a key client's need for an early stage energy market model to quickly evaluate the implications of changing economic drivers. Delivered the tool on time despite budgetary concerns and tight project deadlines. The resulting tool is highly valued due to its versatility and is currently being marketed to a wide selection of the company's customer base.
- *Risk Integrated Product Development*
  In response to consistent client interest, Pace global developed a complex power market Monte-Carlo simulator. Worked with senior management to map market views to stochastic processes. Developed tools to aggregate and clean massive hourly historical datasets used as inputs to the simulator. Developed automated tools to validate resulting stochastic simulations. Maintained and developed Access scripts and SQL queries for the Access backend to the simulation output.
- *Energy Demand Sales Deliverable*
  Supported the sales team by preparing a client deliverable that would accurately explain how Pace accounts for energy demand uncertainty. The resulting product communicated Pace's demand forecasting methodology in a language that was both accessible to the client's executive staff and clarifying to their analytical team. As a result, the prospective client accepted Pace's bid and has since engaged Pace in several additional projects. The deliverable has become a common tool for the sales team and is used as a reference document by the fulfillment team.
- *Certificate of Appreciation – Outstanding Billability*
  Maintained an average of 50 billable hours per week during the first quarter of 2011, while working on as many as a dozen separate projects within a single week.

Education

James Madison University 2006-2010

Program	*Program GPA*	*Degree Earned*
Quantitative Finance	3.6	B.S.
Mathematics	3.6	B.S.
Economics	3.5	B.S.
Computer Science	4.0	Minor

Professional Affiliations

Tau Kappa Epsilon Fraternity - Elected to perform the duties of chapter Treasurer, Recruitment Chair, Historian, Alumni Chair and Secretary

Consortium of Mathematics and its Applications (COMAP) - Participated in the annual international mathematic modeling competition

AEP 117

	Time Period	AEP Zone Price (2012 $/MWh)	AEP-DAYTON HUB ATC $/MWh *	Variance
	2012_05	$30.47	$ 27.55	
	2012_06	$33.33	$ 29.26	
	2012_07	$35.81	$ 32.72	
	2012_08	$35.75	$ 32.72	
	2012_09	$32.11	$ 28.00	
	2012_10	$30.93	$ 29.31	
	2012_11	$32.24	$ 29.31	
	2012_12	$32.09	$ 29.31	
2012 Average Price		$32.84	$ 29.77	$3.07
	2013_01	$40.56	$ 33.56	
	2013_02	$40.81	$ 33.56	
	2013_03	$37.94	$ 32.56	
	2013_04	$35.07	$ 32.56	
	2013_05	$35.77	$ 32.73	
	2013_06	$38.20	$ 34.55	
	2013_07	$40.97	$ 37.56	
	2013_08	$41.61	$ 37.56	
	2013_09	$37.56	$ 33.30	
	2013_10	$36.20	$ 32.76	
	2013_11	$37.23	$ 32.76	
	2013_12	$38.91	$ 32.76	
2013 Average Price		$38.40	$ 33.85	$4.55
	2014_01	$42.57	$ 36.37	
	2014_02	$42.18	$ 36.37	
	2014_03	$37.95	$ 36.37	
	2014_04	$35.55	$ 36.37	
	2014_05	$36.79	$ 36.37	
	2014_06	$39.03	$ 36.37	
	2014_07	$42.18	$ 36.37	
	2014_08	$42.23	$ 36.37	
	2014_09	$38.27	$ 36.37	
	2014_10	$37.21	$ 36.37	
	2014_11	$37.94	$ 36.37	
	2014_12	$40.56	$ 36.37	
2014 Average Price		$39.37	$ 36.37	$3.00
	2015_01	$43.26	$ 38.53	
	2015_02	$43.99	$ 38.53	
	2015_03	$38.35	$ 38.53	
	2015_04	$35.77	$ 38.53	
	2015_05	$36.62	$ 38.53	
	2015_06	$41.12	$ 38.53	
	2015_07	$44.94	$ 38.53	
	2015_08	$44.97	$ 38.53	
	2015_09	$40.02	$ 38.53	
	2015_10	$37.83	$ 38.53	
	2015_11	$38.47	$ 38.53	
	2015_12	$41.53	$ 38.53	
2015 Average Price		$40.57	$ 38.53	$2.04
Total Period Average		$38.21	$35.04	$3.17

***AEP Dayton Hub ATC Price Source: SNL Energy (www.SNL.com) as of 4-25-2012**
AEP Zone Price Source: Ryan Harter Workpapers

AEP 118

Fuel Cost ($/MWh)						
Utility	Name	ID	2012	2013	2014	2015
Columbus Southern Power Co	AEP Waterford Facility	55503-CTG1	30.50	32.97	34.97	38.94
Columbus Southern Power Co	AEP Waterford Facility	55503-CTG2	30.50	32.96	34.93	38.88
Columbus Southern Power Co	AEP Waterford Facility	55503-CTG3	30.51	32.93	34.95	38.89
Columbus Southern Power Co	AEP Waterford Facility	55503-ST1	30.72	32.89	34.77	38.97
Columbus Southern Power Co	Conesville	2840-3	26.22	0.00	0.00	0.00
Columbus Southern Power Co	Conesville	2840-4	23.93	24.57	25.59	25.95
Columbus Southern Power Co	Conesville	2840-5	25.78	26.64	27.55	27.82
Columbus Southern Power Co	Conesville	2840-6	26.67	27.44	28.35	28.61
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT1	39.06	40.90	43.88	49.31
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT2	39.05	40.90	43.92	49.33
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT3	38.99	40.94	43.71	49.18
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT4	38.90	40.80	43.80	49.21
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT5	39.07	40.87	43.97	49.03
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT6	39.00	40.67	43.50	49.51
Columbus Southern Power Co	Picway	2843-5	35.66	0.00	0.00	0.00
Ohio Power Co	General James M Gavin	8102-1	13.26	13.64	14.47	14.82
Ohio Power Co	General James M Gavin	8102-2	13.02	13.39	14.20	14.55
Ohio Power Co	Kammer	3947-1	26.51	26.46	28.24	0.00
Ohio Power Co	Kammer	3947-2	26.63	26.64	28.48	0.00
Ohio Power Co	Kammer	3947-3	26.69	26.65	28.44	0.00
Ohio Power Co	Mitchell	3948-1	23.72	24.71	26.10	26.80
Ohio Power Co	Mitchell	3948-2	23.68	24.67	26.07	26.62
Ohio Power Co	Muskingum River	2872-1	24.07	0.00	0.00	0.00
Ohio Power Co	Muskingum River	2872-2	24.02	0.00	0.00	0.00
Ohio Power Co	Muskingum River	2872-3	24.81	31.14	0.00	0.00
Ohio Power Co	Muskingum River	2872-4	23.31	0.00	0.00	0.00
Ohio Power Co	Muskingum River	2872-5	25.82	28.42	0.00	30.39
Ohio Power Co	Racine	6006-1	0.00	0.00	0.00	0.00
Ohio Power Co	Racine	6006-2	0.00	0.00	0.00	0.00

AEP
119

VOM ($/MWh)						
Utility	Name	ID	2012	2013	2014	2015
Columbus Southern Power Co	AEP Waterford Facility	55503-CTG1	6.35	6.35	6.35	6.35
Columbus Southern Power Co	AEP Waterford Facility	55503-CTG2	6.35	6.35	6.35	6.35
Columbus Southern Power Co	AEP Waterford Facility	55503-CTG3	6.35	6.35	6.35	6.35
Columbus Southern Power Co	AEP Waterford Facility	55503-ST1	6.35	6.35	6.35	6.35
Columbus Southern Power Co	Conesville	2840-3	5.28	0.00	0.00	0.00
Columbus Southern Power Co	Conesville	2840-4	5.28	5.28	5.28	5.28
Columbus Southern Power Co	Conesville	2840-5	5.28	5.28	5.28	5.28
Columbus Southern Power Co	Conesville	2840-6	5.28	5.28	5.28	5.28
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT1	6.35	6.35	6.35	6.35
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT2	6.35	6.35	6.35	6.35
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT3	6.35	6.35	6.35	6.35
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT4	6.35	6.35	6.35	6.35
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT5	6.35	6.35	6.35	6.35
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT6	6.35	6.35	6.35	6.35
Columbus Southern Power Co	Picway	2843-5	5.28	0.00	0.00	0.00
Ohio Power Co	General James M Gavin	8102-1	5.28	5.28	5.28	5.28
Ohio Power Co	General James M Gavin	8102-2	5.28	5.28	5.28	5.28
Ohio Power Co	Kammer	3947-1	5.28	5.28	5.28	0.00
Ohio Power Co	Kammer	3947-2	5.28	5.28	5.28	0.00
Ohio Power Co	Kammer	3947-3	5.28	5.28	5.28	0.00
Ohio Power Co	Mitchell	3948-1	5.28	5.28	5.28	5.28
Ohio Power Co	Mitchell	3948-2	5.28	5.28	5.28	5.28
Ohio Power Co	Muskingum River	2872-1	5.28	0.00	0.00	0.00
Ohio Power Co	Muskingum River	2872-2	5.28	0.00	0.00	0.00
Ohio Power Co	Muskingum River	2872-3	5.28	5.28	0.00	0.00
Ohio Power Co	Muskingum River	2872-4	5.28	0.00	0.00	0.00
Ohio Power Co	Muskingum River	2872-5	5.28	5.28	0.00	5.28
Ohio Power Co	Racine	6006-1	3.88	3.88	3.88	3.88
Ohio Power Co	Racine	6006-2	3.88	3.88	3.88	3.88

Emission Cost ($/MWh)						
Utility	Name	ID	2012	2013	2014	2015
Columbus Southern Power Co	AEP Waterford Facility	55503-CTG1	0.02	0.18	0.18	0.09
Columbus Southern Power Co	AEP Waterford Facility	55503-CTG2	0.02	0.18	0.18	0.09
Columbus Southern Power Co	AEP Waterford Facility	55503-CTG3	0.02	0.18	0.18	0.09
Columbus Southern Power Co	AEP Waterford Facility	55503-ST1	0.02	0.18	0.18	0.09
Columbus Southern Power Co	Conesville	2840-3	0.28	0.00	0.00	0.00
Columbus Southern Power Co	Conesville	2840-4	0.03	1.44	1.38	0.84
Columbus Southern Power Co	Conesville	2840-5	0.17	3.48	3.41	1.92
Columbus Southern Power Co	Conesville	2840-6	0.18	3.40	3.33	1.87
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT1	0.02	0.27	0.28	0.14
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT2	0.02	0.27	0.28	0.14
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT3	0.06	0.68	0.69	0.35
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT4	0.06	0.68	0.69	0.35
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT5	0.06	0.68	0.69	0.35
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT6	0.06	0.68	0.69	0.35
Columbus Southern Power Co	Picway	2843-5	0.30	0.00	0.00	0.00
Ohio Power Co	General James M Gavin	8102-1	0.04	2.78	2.65	1.61
Ohio Power Co	General James M Gavin	8102-2	0.04	2.77	2.63	1.60
Ohio Power Co	Kammer	3947-1	0.24	17.92	16.99	0.00
Ohio Power Co	Kammer	3947-2	0.25	18.14	17.23	0.00
Ohio Power Co	Kammer	3947-3	0.24	18.11	17.16	0.00
Ohio Power Co	Mitchell	3948-1	0.03	1.10	1.06	0.64
Ohio Power Co	Mitchell	3948-2	0.03	0.97	0.94	0.56
Ohio Power Co	Muskingum River	2872-1	0.33	0.00	0.00	0.00
Ohio Power Co	Muskingum River	2872-2	0.32	0.00	0.00	0.00
Ohio Power Co	Muskingum River	2872-3	0.33	46.68	0.00	0.00
Ohio Power Co	Muskingum River	2872-4	0.31	0.00	0.00	0.00
Ohio Power Co	Muskingum River	2872-5	0.05	14.67	0.00	8.46
Ohio Power Co	Racine	6006-1	0.00	0.00	0.00	0.00
Ohio Power Co	Racine	6006-2	0.00	0.00	0.00	0.00

Heatrate			
Utility	Name	ID	All Years
Columbus Southern Power Co	AEP Waterford Facility	55503-CTG1	7,000
Columbus Southern Power Co	AEP Waterford Facility	55503-CTG2	7,000
Columbus Southern Power Co	AEP Waterford Facility	55503-CTG3	7,000
Columbus Southern Power Co	AEP Waterford Facility	55503-ST1	7,000
Columbus Southern Power Co	Conesville	2840-3	10,319
Columbus Southern Power Co	Conesville	2840-4	9,429
Columbus Southern Power Co	Conesville	2840-5	10,073
Columbus Southern Power Co	Conesville	2840-6	10,339
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT1	9,000
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT2	9,000
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT3	9,000
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT4	9,000
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT5	9,000
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT6	9,000
Columbus Southern Power Co	Picway	2843-5	11,079
Ohio Power Co	General James M Gavin	8102-1	9,635
Ohio Power Co	General James M Gavin	8102-2	9,461
Ohio Power Co	Kammer	3947-1	9,128
Ohio Power Co	Kammer	3947-2	9,186
Ohio Power Co	Kammer	3947-3	9,189
Ohio Power Co	Mitchell	3948-1	9,319
Ohio Power Co	Mitchell	3948-2	9,319
Ohio Power Co	Muskingum River	2872-1	9,448
Ohio Power Co	Muskingum River	2872-2	9,403
Ohio Power Co	Muskingum River	2872-3	9,634
Ohio Power Co	Muskingum River	2872-4	9,140
Ohio Power Co	Muskingum River	2872-5	9,073
Ohio Power Co	Racine	6006-1	0
Ohio Power Co	Racine	6006-2	0

NYMEX Henry Hub Natural Gas Futures

As of 4-25-2012

Month	Last Quote ($/mmbtu)
May-12	2.007 b
Jun-12	2.135 a
Jul-12	2.252 a
Aug-12	2.325
Sep-12	2.369
Oct-12	2.477 a
Nov-12	2.725
Dec-12	3.059
Jan-13	3.219
Feb-13	3.239
Mar-13	3.217 a
Apr-13	3.195 b
May-13	3.238 b
Jun-13	3.288 a
Jul-13	3.344 a
Aug-13	3.366 b
Sep-13	3.369 b
Oct-13	3.406 b
Nov-13	3.529 a
Dec-13	3.746
Jan-14	3.854
Feb-14	3.834
Mar-14	3.777
Apr-14	3.627
May-14	3.69
Period Average	$ 3.29

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Consulting Companies that use AURORAxmp

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55 Cambridge Parkway
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La Capra Associates
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One Washington Mall, 9th Floor
Boston, MA 02108
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NERA Economic Consulting
Jim Heidell, Vice President
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Phone: (303) 465-6859
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Economic Insight
Sam VanVactor, President
3004 Southwest First Avenue
Portland, OR 97201
Phone: (202) 270-5347
Email: sam econ.com

Pace Global Energy Services
Art Holland, Director – Energy
Forecasting and Power Strategies
4401 Fair Lakes Court
Fairfax, VA 22033
Phone: (703) 227-1076
Mobile: (703) 626-6802
Email: 'ack.nirenber --- lobal.com

PwrCast, Inc.
Dave LeVee, President
7260 NE Earlwood Road
Newberg, OR 97132
Phone: (503) 925-9688
Email: dave wrcast.com

Wood Mackenzie Limited
Hind Farag, Manager- North American
Power Research
5847 San Felipe, 10th Floor, Suite 1000
Houston, TX 77057
Phone (713) 470-1648
Email: hind.fara woodmac.com

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Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
Ohio Power Company	(1) [X] An Original (2) [ ] A Resubmission	/ /	End of 2011/Q4

STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants) *(Continued)*

9. Items under Cost of Plant are based on U. S. of A. Accounts. Production expenses do not include Purchased Power, System Control and Load Dispatching, and Other Expenses Classified as Other Power Supply Expenses. 10. For IC and GT plants, report Operating Expenses, Account Nos. 547 and 549 on Line 25 "Electric Expenses," and Maintenance Account Nos. 553 and 554 on Line 32, "Maintenance of Electric Plant." Indicate plants designed for peak load service. Designate automatically operated plants. 11. For a plant equipped with combinations of fossil fuel steam, nuclear steam, hydro, internal combustion or gas-turbine equipment, report each as a separate plant. However, if a gas-turbine unit functions in a combined cycle operation with a conventional steam unit, include the gas-turbine with the steam plant. 12. If a nuclear power generating plant, briefly explain by footnote (a) accounting method for cost of power generated including any excess costs attributed to research and development; (b) types of cost units used for the various components of fuel cost; and (c) any other informative data concerning plant type fuel used, fuel enrichment type and quantity for the report period and other physical and operating characteristics of plant.

Plant Name: *SPORN-OPCO SHARE* (d)			Plant Name: *SPORN-TOTAL* (e)			Plant Name: *GAVIN* (f)			Line No.
STEAM			*STEAM*			*STEAM*			1
CONVENTIONAL			CONVENTIONAL			CONVENTIONAL			2
1950			1950			1974			3
1960			1960			1975			4
305.00			610.00			2600.00			5
298			604			2659			6
2599			5642			7395			7
0			0			0			8
300			600			2640			9
290			580			2630			10
76			123			272			11
416901000			1492071000			18184347000			12
101828			172464			2934019			13
10980020			23885004			110630628			14
140825704			265084422			1804520449			15
16482322			27569595			23536298			16
168389874			316711485			1941621394			17
552.0979			519.1992			746.7775			18
1458483			2521147			3504039			19
17451763			56647668			366567061			20
0			0			0			21
1659690			2575812			68138059			22
0			0			0			23
0			0			0			24
720701			1206915			99064			25
49415651			51348738			15939501			26
48937			78820			2093			27
253516			359759			2118607			28
234869			426226			1071722			29
1323276			2315258			1930409			30
3697177			7767685			37372652			31
2330912			4357061			4999880			32
621055			960245			1648132			33
79216030			130566334			503391219			34
0.1900			0.0875			0.0277			35
Coal	Oil		Coal	Oil		Coal	Oil		36
Tons	Barrels		Tons	Barrels		Tons	Barrels		37
206717	6826	0	714989	13883	0	7354672	45581	0	38
11810	137168	0	11842	137089	0	11985	136841	0	39
72.866	138.082	0.000	71.002	133.530	0.000	46.520	134.778	0.000	40
70.659	121.600	0.000	70.188	121.370	0.000	45.444	113.921	0.000	41
2.991	21.107	0.000	2.964	21.079	0.000	1.896	19.821	0.000	42
0.035	0.000	0.000	0.034	0.000	0.000	0.018	0.000	0.000	43
11807.000	0.000	0.000	11401.000	0.000	0.000	9709.000	0.000	0.000	44

AEP 122A

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
Ohio Power Company	(1) [X] An Original (2) [ ] A Resubmission	/ /	End of 2011/Q4

STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants) *(Continued)*

1. Report data for plant in Service only. 2. Large plants are steam plants with installed capacity (name plate rating) of 25,000 Kw or more. Report in this page gas-turbine and internal combustion plants of 10,000 Kw or more, and nuclear plants. 3. Indicate by a footnote any plant leased or operated as a joint facility. 4. If net peak demand for 60 minutes is not available, give data which is available, specifying period. 5. If any employees attend more than one plant, report on line 11 the approximate average number of employees assignable to each plant. 6. If gas is used and purchased on a therm basis report the Btu content or the gas and the quantity of fuel burned converted to Mct. 7. Quantities of fuel burned (Line 38) and average cost per unit of fuel burned (Line 41) must be consistent with charges to expense accounts 501 and 547 (Line 42) as show on Line 20. 8. If more than one fuel is burned in a plant furnish only the composite heat rate for all fuels burned.

Line No.	Item (a)	Plant Name: CARDINAL-OPCO SHARE (b)			Plant Name: CARDINAL-TOTAL (c)		
1	Kind of Plant (Internal Comb, Gas Turb, Nuclear	STEAM			STEAM		
2	Type of Constr (Conventional, Outdoor, Boiler, etc)	PARTIAL OUTDOOR			PARTIAL OUTDOOR		
3	Year Originally Constructed	1967			1967		
4	Year Last Unit was Installed	1967			1977		
5	Total Installed Cap (Max Gen Name Plate Ratings-MW)	615.00			1881.00		
6	Net Peak Demand on Plant - MW (60 minutes)	613			1852		
7	Plant Hours Connected to Load	4812			5641		
8	Net Continuous Plant Capability (Megawatts)	0			0		
9	When Not Limited by Condenser Water	595			1810		
10	When Limited by Condenser Water	585			1790		
11	Average Number of Employees	312			312		
12	Net Generation, Exclusive of Plant Use - KWh	3359374000			13425701000		
13	Cost of Plant: Land and Land Rights	417438			605833		
14	Structures and Improvements	42524182			99638671		
15	Equipment Costs	666230711			1307574286		
16	Asset Retirement Costs	9246337			9246337		
17	Total Cost	718418668			1417065127		
18	Cost per KW of Installed Capacity (line 17/6) Including	1168.1604			753.3573		
19	Production Expenses: Oper, Supv, & Engr	1277000			4659496		
20	Fuel	67798409			180916016		
21	Coolants and Water (Nuclear Plants Only)	0			0		
22	Steam Expenses	9700472			20419514		
23	Steam From Other Sources	0			0		
24	Steam Transferred (Cr)	0			0		
25	Electric Expenses	402146			1232851		
26	Misc Steam (or Nuclear) Power Expenses	7923154			7163742		
27	Rents	333			0		
28	Allowances	249639			0		
29	Maintenance Supervision and Engineering	1945789			4351304		
30	Maintenance of Structures	1876245			3996204		
31	Maintenance of Boiler (or reactor) Plant	14700586			32364419		
32	Maintenance of Electric Plant	3011231			6735585		
33	Maintenance of Misc Steam (or Nuclear) Plant	1021755			2194294		
34	Total Production Expenses	109906759			264033425		
35	Expenses per Net KWh	0.0327			0.0197		
36	Fuel: Kind (Coal, Gas, Oil, or Nuclear)	Coal	Oil		Coal	Oil	
37	Unit (Coal-tons/Oil-barrel/Gas-mcf/Nuclear-indicate)	Tons	Barrels		Tons	Barrels	
38	Quantity (Units) of Fuel Burned	1327034	20394	0	3381115	43588	0
39	Avg Heat Cont - Fuel Burned (btu/indicate if nuclear)	12073	136578	0	11810	136661	0
40	Avg Cost of Fuel/unit, as Delvd f.o.b. during year	45.211	123.403	0.000	51.872	129.195	0.000
41	Average Cost of Fuel per Unit Burned	44.939	118.429	0.000	52.278	120.204	0.000
42	Average Cost of Fuel Burned per Million BTU	1.861	20.646	0.000	2.213	20.942	0.000
43	Average Cost of Fuel Burned per KWh Net Gen	0.018	0.000	0.000	0.013	0.000	0.000
44	Average BTU per KWh Net Generation	9459.000	0.000	0.000	5967.000	0.000	0.000

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Ohio Power Company	(1) [X] An Original (2) [ ] A Resubmission	/ /	End of 2011/Q4

STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants) *(Continued)*

9. Items under Cost of Plant are based on U. S. of A. Accounts. Production expenses do not include Purchased Power, System Control and Load Dispatching, and Other Expenses Classified as Other Power Supply Expenses. 10. For IC and GT plants, report Operating Expenses, Account Nos. 547 and 549 on Line 25 "Electric Expenses," and Maintenance Account Nos. 553 and 554 on Line 32, "Maintenance of Electric Plant." Indicate plants designed for peak load service. Designate automatically operated plants. 11. For a plant equipped with combinations of fossil fuel steam, nuclear steam, hydro, internal combustion or gas-turbine equipment, report each as a separate plant. However, if a gas-turbine unit functions in a combined cycle operation with a conventional steam unit, include the gas-turbine with the steam plant. 12. If a nuclear power generating plant, briefly explain by footnote (a) accounting method for cost of power generated including any excess costs attributed to research and development; (b) types of cost units used for the various components of fuel cost; and (c) any other informative data concerning plant type fuel used, fuel enrichment type and quantity for the report period and other physical and operating characteristics of plant.

Plant Name: *MUSKINGUM* (d)			Plant Name: *MITCHELL* (e)			Plant Name: *KAMMER* (f)			Line No.
STEAM			STEAM			STEAM			1
CONVENTIONAL			OUTDOOR BOILER			CONVENTIONAL			2
1953			1971			1958			3
1968			1971			1959			4
1530.00			1633.00			713.00			5
1316			1565			542			6
5930			7255			4240			7
0			0			0			8
1440			1560			630			9
1350			1560			600			10
160			235			62			11
5831062000			9124435000			1778385000			12
668886			1122477			165993			13
57273489			82063198			35227115			14
613586620			1651277285			306701085			15
12579435			2735918			4922286			16
684108430			1737198878			347016479			17
447.1297			1063.8083			486.6991			18
1664984			2647103			1109013			19
155658970			235538606			63293213			20
0			0			0			21
8421408			16131379			573260			22
0			0			0			23
0			0			0			24
205261			3967			18084			25
54087699			7608296			4067938			26
0			1012			0			27
22785320			911795			3032117			28
217362			3769410			4086620			29
1685036			1507983			923723			30
29175943			18595993			19367975			31
2564235			5682311			2863723			32
2009477			1217061			714329			33
278475695			293614916			100049995			34
0.0478			0.0322			0.0563			35
Coal	Oil		Coal	Oil		Coal	Oil		36
Tons	Barrels		Tons	Barrels		Tons	Barrels		37
2398604	37945	0	3646915	31314	0	848184	10224	0	38
12332	136620	0	12363	137203	0	11201	136510	0	39
63.316	128.363	0.000	62.201	143.078	0.000	67.646	136.561	0.000	40
61.869	121.799	0.000	61.819	108.899	0.000	68.682	135.962	0.000	41
2.508	21.227	0.000	2.500	18.898	0.000	3.066	23.714	0.000	42
0.025	0.000	0.000	0.025	0.000	0.000	0.033	0.000	0.000	43
10169.000	0.000	0.000	9902.000	0.000	0.000	10711.000	0.000	0.000	44

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STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants) *(Continued)*

1. Report data for plant in Service only. 2. Large plants are steam plants with installed capacity (name plate rating) of 25,000 Kw or more. Report in this page gas-turbine and internal combustion plants of 10,000 Kw or more, and nuclear plants. 3. Indicate by a footnote any plant leased or operated as a joint facility. 4 If net peak demand for 60 minutes is not available, give data which is available, specifying period. 5. If any employees attend more than one plant, report on line 11 the approximate average number of employees assignable to each plant. 6. If gas is used and purchased on a therm basis report the Btu content or the gas and the quantity of fuel burned converted to Mct. 7. Quantities of fuel burned (Line 38) and average cost per unit of fuel burned (Line 41) must be consistent with charges to expense accounts 501 and 547 (Line 42) as show on Line 20. 8. If more than one fuel is burned in a plant furnish only the composite heat rate for all fuels burned.

Line No.	Item (a)	Plant Name: *CONESVILLE 3, 5 & 6* (b)			Plant Name: *PICWAY* (c)		
1	Kind of Plant (Internal Comb, Gas Turb, Nuclear	STEAM			STEAM		
2	Type of Constr (Conventional, Outdoor, Boiler, etc)	FULL OUTDOOR			OUTDOOR BOILER		
3	Year Originally Constructed	1957			1926		
4	Year Last Unit was Installed	1978			1955		
5	Total Installed Cap (Max Gen Name Plate Ratings-MW)	1070.00			106.25		
6	Net Peak Demand on Plant - MW (60 minutes)	844			105		
7	Plant Hours Connected to Load	7240			1474		
8	Net Continuous Plant Capability (Megawatts)	0			0		
9	When Not Limited by Condenser Water	965			100		
10	When Limited by Condenser Water	965			95		
11	Average Number of Employees	304			4		
12	Net Generation, Exclusive of Plant Use - KWh	4442353000			69373000		
13	Cost of Plant: Land and Land Rights	236497			125244		
14	Structures and Improvements	62340279			6667669		
15	Equipment Costs	661593338			37178204		
16	Asset Retirement Costs	39293342			5820663		
17	Total Cost	763463456			49791780		
18	Cost per KW of Installed Capacity (line 17/5) Including	713.5172			468.6285		
19	Production Expenses: Oper, Supv, & Engr	2780335			524089		
20	Fuel	125465079			4306891		
21	Coolants and Water (Nuclear Plants Only)	0			0		
22	Steam Expenses	17267855			617511		
23	Steam From Other Sources	0			0		
24	Steam Transferred (Cr)	0			0		
25	Electric Expenses	980423			219554		
26	Misc Steam (or Nuclear) Power Expenses	7823304			335151		
27	Rents	0			0		
28	Allowances	8277136			345315		
29	Maintenance Supervision and Engineering	430146			83961		
30	Maintenance of Structures	551691			112671		
31	Maintenance of Boiler (or reactor) Plant	22242211			544223		
32	Maintenance of Electric Plant	4956366			58778		
33	Maintenance of Misc Steam (or Nuclear) Plant	708562			39772		
34	Total Production Expenses	191483108			7187916		
35	Expenses per Net KWh	0.0431			0.1036		
36	Fuel: Kind (Coal, Gas, Oil, or Nuclear)	Coal	Oil		Coal	Oil	
37	Unit (Coal-tons/Oil-barrel/Gas-mcf/Nuclear-indicate)	Tons	Barrels		Tons	Barrels	
38	Quantity (Units) of Fuel Burned	2148363	8542	0	49912	402	0
39	Avg Heat Cont - Fuel Burned (btu/indicate if nuclear)	11343	136614	0	11200	136925	0
40	Avg Cost of Fuel/unit, as Delvd f.o.b. during year	53.865	120.257	0.000	0.000	128.169	0.000
41	Average Cost of Fuel per Unit Burned	53.735	115.927	0.000	79.964	119.673	0.000
42	Average Cost of Fuel Burned per Million BTU	2.369	20.204	0.000	3.570	20.310	0.000
43	Average Cost of Fuel Burned per KWh Net Gen	0.026	0.000	0.000	0.058	0.000	0.000
44	Average BTU per KWh Net Generation	10982.000	0.000	0.000	16149.000	0.000	0.000

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STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants) *(Continued)*

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Plant Name: *BECKJORD-OPCO SHARE* (d)	Plant Name: *STUART-OPCO SHARE* (e)	Plant Name: (f)	Line No.
STEAM	STEAM		1
CONVENTIONAL	SEMI-OUTDOOR		2
1969	1970		3
-	1974		4
57.60	634.61	0.00	5
55	600	0	6
6592	7656	0	7
0	0	0	8
53	600	0	9
52	600	0	10
0	0	0	11
274273000	3643435000	0	12
175499	729059	0	13
1332302	25334785	0	14
17398146	501535452	0	15
225419	1050643	0	16
19131366	528649939	0	17
332.1418	833.0312	0	18
151739	1654655	0	19
6645010	106050738	0	20
0	0	0	21
82800	4559909	0	22
0	0	0	23
0	0	0	24
1579	413061	0	25
302502	5948021	0	26
0	-20879	0	27
1334974	1448621	0	28
131055	474254	0	29
117324	571309	0	30
757142	15268874	0	31
115447	4342925	0	32
285612	30587	0	33
9925184	140742075	0	34
0.0362	0.0386	0.0000	35

Coal	Oil		Coal	Oil					36
Tons	Barrels		Tons	Barrels					37
114481	888	0	1636447	21660	0	0	0	0	38
12336	137303	0	10892	137400	0	0	0	0	39
61.317	130.501	0.000	59.821	132.517	0.000	0.000	0.000	0.000	40
59.805	102.026	0.000	59.301	131.156	0.000	0.000	0.000	0.000	41
2.424	17.992	0.000	2.722	22.728	0.000	0.000	0.000	0.000	42
0.025	0.000	0.000	0.027	0.000	0.000	0.000	0.000	0.000	43
9217.000	0.000	0.000	9818.000	0.000	0.000	0.000	0.000	0.000	44

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STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants) *(Continued)*

1. Report data for plant in Service only. 2. Large plants are steam plants with installed capacity (name plate rating) of 25,000 Kw or more. Report in this page gas-turbine and internal combustion plants of 10,000 Kw or more, and nuclear plants. 3. Indicate by a footnote any plant leased or operated as a joint facility. 4. If net peak demand for 60 minutes is not available, give data which is available, specifying period. 5. If any employees attend more than one plant, report on line 11 the approximate average number of employees assignable to each plant. 6. If gas is used and purchased on a therm basis report the Btu content or the gas and the quantity of fuel burned converted to Mct. 7. Quantities of fuel burned (Line 38) and average cost per unit of fuel burned (Line 41) must be consistent with charges to expense accounts 501 and 547 (Line 42) as show on Line 20. 8. If more than one fuel is burned in a plant furnish only the composite heat rate for all fuels burned.

Line No.	Item (a)	Plant Name: *CONESVILLE 4- TOTAL* (b)			Plant Name: *CONES 4 OPCO SHARE* (c)		
1	Kind of Plant (Internal Comb, Gas Turb, Nuclear	STEAM			STEAM		
2	Type of Constr (Conventional, Outdoor, Boiler, etc)	CONVENTIONAL			CONVENTIONAL		
3	Year Originally Constructed	1973			1973		
4	Year Last Unit was Installed	-			-		
5	Total Installed Cap (Max Gen Name Plate Ratings-MW)	841.50			366.05		
6	Net Peak Demand on Plant - MW (60 minutes)	781			458		
7	Plant Hours Connected to Load	5247			5247		
8	Net Continuous Plant Capability (Megawatts)	0			0		
9	When Not Limited by Condenser Water	780			339		
10	When Limited by Condenser Water	780			339		
11	Average Number of Employees	0			0		
12	Net Generation, Exclusive of Plant Use - KWh	2550660000			1053487000		
13	Cost of Plant: Land and Land Rights	74828			32550		
14	Structures and Improvements	40561274			17644154		
15	Equipment Costs	667202933			290233276		
16	Asset Retirement Costs	4278340			1861078		
17	Total Cost	712117375			309771058		
18	Cost per KW of Installed Capacity (line 17/5) Including	846.2476			846.2534		
19	Production Expenses: Oper, Supv, & Engr	0			1013600		
20	Fuel	0			41701042		
21	Coolants and Water (Nuclear Plants Only)	0			0		
22	Steam Expenses	0			3078769		
23	Steam From Other Sources	0			0		
24	Steam Transferred (Cr)	0			0		
25	Electric Expenses	0			61088		
26	Misc Steam (or Nuclear) Power Expenses	0			2565170		
27	Rents	0			0		
28	Allowances	0			3329128		
29	Maintenance Supervision and Engineering	0			121492		
30	Maintenance of Structures	0			208336		
31	Maintenance of Boiler (or reactor) Plant	0			4617995		
32	Maintenance of Electric Plant	0			684853		
33	Maintenance of Misc Steam (or Nuclear) Plant	0			531785		
34	Total Production Expenses	0			57913258		
35	Expenses per Net KWh	0.0000			0.0550		
36	Fuel: Kind (Coal, Gas, Oil, or Nuclear)	Coal	Oil		Coal	Oil	
37	Unit (Coal-tons/Oil-barrel/Gas-mcf/Nuclear-indicate)	Tons	Barrels		Tons	Barrels	
38	Quantity (Units) of Fuel Burned	1159459	3324	0	481992	1446	0
39	Avg Heat Cont - Fuel Burned (btu/indicate if nuclear)	11516	136383	0	11516	136383	0
40	Avg Cost of Fuel/unit, as Delvd f.o.b. during year	88 115	160 360	0.000	88.731	160.359	0.000
41	Average Cost of Fuel per Unit Burned	81.165	127.022	0.000	81.429	127.022	0.000
42	Average Cost of Fuel Burned per Million BTU	3.524	22.175	0.000	3.535	22.175	0.000
43	Average Cost of Fuel Burned per KWh Net Gen	0.037	0.000	0.000	0.037	0.000	0.000
44	Average BTU per KWh Net Generation	10483.000	0 000	0 000	10551 000	0 000	0.000

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
Ohio Power Company	(1) [X] An Original (2) [ ] A Resubmission	/ /	End of 2011/Q4

STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants) *(Continued)*

9. Items under Cost of Plant are based on U. S. of A. Accounts. Production expenses do not include Purchased Power, System Control and Load Dispatching, and Other Expenses Classified as Other Power Supply Expenses. 10. For IC and GT plants, report Operating Expenses, Account Nos. 547 and 549 on Line 25 "Electric Expenses," and Maintenance Account Nos. 553 and 554 on Line 32, "Maintenance of Electric Plant." Indicate plants designed for peak load service. Designate automatically operated plants. 11. For a plant equipped with combinations of fossil fuel steam, nuclear steam, hydro, internal combustion or gas-turbine equipment, report each as a separate plant. However, if a gas-turbine unit functions in a combined cycle operation with a conventional steam unit, include the gas-turbine with the steam plant. 12. If a nuclear power generating plant, briefly explain by footnote (a) accounting method for cost of power generated including any excess costs attributed to research and development; (b) types of cost units used for the various components of fuel cost; and (c) any other informative data concerning plant type fuel used, fuel enrichment type and quantity for the report period and other physical and operating characteristics of plant.

Plant Name: *ZIMMER - OPCO SHARE* (d)	Plant Name: *WATERFORD* (e)	Plant Name: *DARBY* (f)	Line No.
STEAM	COMBINED CYCLE	GAS TURBINE	1
CONVENTIONAL	OUTDOOR HRSG	NO BOILER	2
1991	2003	2001	3
-	2003	2002	4
362.11	917.00	650.00	5
347	886	454	6
6109	4264	109	7
0	0	0	8
333	840	507	9
330	810	438	10
0	22	0	11
1786574000	2431293000	35249000	12
5959406	3000000	713584	13
169603588	11161559	3333937	14
596277633	199985699	186571502	15
396956	0	0	16
772237583	214147258	190619023	17
2132.6050	233.5303	293.2600	18
875671	2078738	1181978	19
48028474	74775619	2709080	20
0	0	0	21
5927192	99589	230569	22
0	0	0	23
0	0	0	24
184654	-9	-5	25
1816387	5162476	222663	26
0	0	51681	27
4039180	263216	120124	28
760840	343114	177320	29
1406351	-6316	15059	30
3816622	9593944	54516	31
448783	-152974	1013630	32
3208726	3180	130327	33
70512880	92160577	5906942	34
0.0395	0.0379	0.1676	35

Coal	Oil		Gas			Gas			36
Tons	Barrels		MCFs			MCFs			37
745538	37201	0	17574839	0	0	432498	0	0	38
11877	137712	0	1011000	0	0	1013000	0	0	39
57.771	124.732	0.000	4.231	0.000	0.000	6.044	0.000	0.000	40
57.105	117.806	0.000	4.235	0.000	0.000	6.033	0.000	0.000	41
2.404	20.368	0.000	4.189	0.000	0.000	5.956	0.000	0.000	42
0.024	0.000	0.000	0.031	0.000	0.000	0.074	0.000	0.000	43
10024.000	0.000	0.000	7308.000	0.000	0.000	12429.000	0.000	0.000	44

FOOTNOTE DATA

Schedule Page: 402 Line No.: -1 Column: b

Plant Name: Amos - This plant is owned jointly by Respondent and Appalachian Power Company, also a subsidiary of American Electric Power, Inc.

Schedule Page: 402 Line No.: -1 Column: d

Plant Name: Sporn - This plant is owned jointly by Respondent and Appalachian Power Company, also a subsidiary of American Electric Power, Inc.

Schedule Page: 402 Line No.: 20 Column: b

Deferred fuel expenses totalling ($4,831,166) are not included in the fuel totals that are broken down by generating plant.

Schedule Page: 402.1 Line No.: -1 Column: b

Plant Name: Cardinal - This plant is jointly owned by Respondent and Buckeye Power Company, a non-affiliate.

Schedule Page: 402.1 Line No.: 15 Column: e

Included in Mitchell Plant's equipment cost is $13,203,231 investment,paid for by Ohio Power Company, in gypsum unloading equipment located at Mountaineer Plant, which is owned and operated by Appalachian Power Company, a subsidiary of American Electric Power, Inc.

Schedule Page: 402.3 Line No.: -1 Column: d

Beckjord Unit #6: This unit is commonly owned by Duke Energy, The Dayton Power and Light Company and the Respondent with undivided interests of 37.5%, 50.0% and 12.5%, respectively. Fuel expenses are shared on an energy received basis. All other expenses are shared on an ownership basis.

Schedule Page: 402.3 Line No.: -1 Column: e

Stuart: These units are commonly owned by Duke Energy, The Dayton Power and Light Company and the Respondent with undivided interests of 39%, 35% and 26%, respectively. Fuel expenses are shared on an energy received basis. All other expenses are shared on an ownership basis. (The diesel unit has been included with the steam unit as a Black Start Unit)

Schedule Page: 402.4 Line No.: -1 Column: b

Conesville Unit #4: This unit is commonly owned by Duke Energy,The Dayton Power and Light Company and the Respondent with undivided interests of 40.0%,16.5% and 43.5%, respectively. Fuel expenses are shared on an energy received basis. All other expenses are shared on an ownership basis.

Schedule Page: 402.4 Line No.: -1 Column: c

Conesville Unit #4 - Ohio Power Company Share: See footnote above.

Schedule Page: 402.4 Line No.: -1 Column: d

Zimmer: This unit is commonly owned by Duke Energy, The Dayton Power and Light Company and the Respondent with undivided interests of 46.5%, 28.1% and 25.4%, respectively. Fuel expenses are shared on an energy received basis. All other expenses are shared on an ownership basis.

THIS FILING IS	
Item 1: [X] An Initial (Original) Submission	OR [ ] Resubmission No. ____

Form 1 Approved
OMB No. 1902-0021
(Expires 12/31/2011)
Form 1-F Approved
OMB No. 1902-0029
(Expires 12/31/2011)
Form 3-Q Approved
OMB No. 1902-0205
(Expires 1/31/2012)

FERC FINANCIAL REPORT
FERC FORM No. 1: Annual Report of Major Electric Utilities, Licensees and Others and Supplemental Form 3-Q: Quarterly Financial Report

These reports are mandatory under the Federal Power Act, Sections 3, 4(a), 304 and 309, and 18 CFR 141.1 and 141.400. Failure to report may result in criminal fines, civil penalties and other sanctions as provided by law. The Federal Energy Regulatory Commission does not consider these reports to be of confidential nature.

Exact Legal Name of Respondent (Company)	Year/Period of Report
Columbus Southern Power Company	End of 2010/Q4

FERC FORM No.1/3-Q (REV. 02-04)

AEP 122

Name of Respondent	This Report Is.	Date of Report (Mo, Da, Yr)	Year/Period of Report
Columbus Southern Power Company	(1) [X] An Original (2) [ ] A Resubmission	/ /	End of 2010/Q4

STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants)

1. Report data for plant in Service only. 2. Large plants are steam plants with installed capacity (name plate rating) of 25,000 Kw or more. Report in this page gas-turbine and internal combustion plants of 10,000 Kw or more, and nuclear plants. 3. Indicate by a footnote any plant leased or operated as a joint facility. 4. If net peak demand for 60 minutes is not available, give data which is available, specifying period. 5. If any employees attend more than one plant, report on line 11 the approximate average number of employees assignable to each plant. 6. If gas is used and purchased on a therm basis report the Btu content or the gas and the quantity of fuel burned converted to Mct. 7. Quantities of fuel burned (Line 38) and average cost per unit of fuel burned (Line 41) must be consistent with charges to expense accounts 501 and 547 (Line 42) as show on Line 20. 8. If more than one fuel is burned in a plant furnish only the composite heat rate for all fuels burned.

Line No.	Item (a)	Plant Name: CONESVILLE 3, 5 & 6 (b)			Plant Name: PICWAY (c)		
1	Kind of Plant (Internal Comb, Gas Turb, Nuclear	STEAM			STEAM		
2	Type of Constr (Conventional, Outdoor, Boiler, etc)	FULL OUTDOOR			OUTDOOR BOILER		
3	Year Originally Constructed	1957			1926		
4	Year Last Unit was Installed	1978			1955		
5	Total Installed Cap (Max Gen Name Plate Ratings-MW)	1070.00			106.25		
6	Net Peak Demand on Plant - MW (60 minutes)	948			100		
7	Plant Hours Connected to Load	7876			1389		
8	Net Continuous Plant Capability (Megawatts)	0			0		
9	When Not Limited by Condenser Water	965			100		
10	When Limited by Condenser Water	965			95		
11	Average Number of Employees	322			18		
12	Net Generation, Exclusive of Plant Use - KWh	4025664000			65072000		
13	Cost of Plant: Land and Land Rights	236497			125244		
14	Structures and Improvements	40065647			6667669		
15	Equipment Costs	642704725			37150814		
16	Asset Retirement Costs	34346041			6247988		
17	Total Cost	717352910			50191715		
18	Cost per KW of Installed Capacity (line 17/5) Including	670.4233			472.3926		
19	Production Expenses: Oper, Supv, & Engr	1717535			802368		
20	Fuel	114007740			3279065		
21	Coolants and Water (Nuclear Plants Only)	0			0		
22	Steam Expenses	13542024			531894		
23	Steam From Other Sources	0			0		
24	Steam Transferred (Cr)	0			0		
25	Electric Expenses	1118970			293174		
26	Misc Steam (or Nuclear) Power Expenses	8975236			926013		
27	Rents	0			0		
28	Allowances	2066545			275110		
29	Maintenance Supervision and Engineering	411387			30381		
30	Maintenance of Structures	734301			193126		
31	Maintenance of Boiler (or reactor) Plant	17703256			825818		
32	Maintenance of Electric Plant	2491494			89526		
33	Maintenance of Misc Steam (or Nuclear) Plant	574227			47108		
34	Total Production Expenses	163342715			7293583		
35	Expenses per Net KWh	0.0406			0.1121		
36	Fuel: Kind (Coal, Gas, Oil, or Nuclear)	Coal	Oil		Coal	Oil	
37	Unit (Coal-tons/Oil-barrel/Gas-mcf/Nuclear-indicate)	Tons	Barrels		Tons	Barrels	
38	Quantity (Units) of Fuel Burned	1928898	10517	0	36965	1382	0
39	Avg Heat Cont - Fuel Burned (btu/indicate if nuclear)	11452	136875	0	11478	137107	0
40	Avg Cost of Fuel/unit, as Delvd f.o.b. during year	53.915	94.925	0.000	0.000	90.340	0.000
41	Average Cost of Fuel per Unit Burned	53.982	92.239	0.000	76.544	89.199	0.000
42	Average Cost of Fuel Burned per Million BTU	2.357	16.045	0.000	3.334	15.490	0.000
43	Average Cost of Fuel Burned per KWh Net Gen	0.025	0.000	0.000	0.043	0.000	0.000
44	Average BTU per KWh Net Generation	10990.000	0.000	0.000	13187.000	0.000	0.000

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Columbus Southern Power Company	(1) [X] An Original (2) [ ] A Resubmission	/ /	End of 2010/Q4

STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants)(Continued)

9 Items under Cost of Plant are based on U. S. of A. Accounts. Production expenses do not include Purchased Power, System Control and Load Dispatching, and Other Expenses Classified as Other Power Supply Expenses 10 For IC and GT plants, report Operating Expenses. Account Nos. 547 and 549 on Line 25 "Electric Expenses," and Maintenance Account Nos. 553 and 554 on Line 32, "Maintenance of Electric Plant." Indicate plants designed for peak load service. Designate automatically operated plants. 11 For a plant equipped with combinations of fossil fuel steam, nuclear steam, hydro, internal combustion or gas-turbine equipment, report each as a separate plant. However, if a gas-turbine unit functions in a combined cycle operation with a conventional steam unit, include the gas-turbine with the steam plant 12. If a nuclear power generating plant, briefly explain by footnote (a) accounting method for cost of power generated including any excess costs attributed to research and development; (b) types of cost units used for the various components of fuel cost; and (c) any other informative data concerning plant type fuel used, fuel enrichment type and quantity for the report period and other physical and operating characteristics of plant

Plant Name: CONESVILLE 4 - TOTAL (d)	Plant Name: CONES. 4 - CSP SHARE (e)	Plant Name: ZIMMER - CSP SHARE (f)	Line No.
STEAM	STEAM	STEAM	1
CONVENTIONAL	CONVENTIONAL	CONVENTIONAL	2
1973	1973	1991	3
-	-	-	4
841.50	366.05	362.11	5
785	379	340	6
4449	4449	7849	7
0	0	0	8
780	337	333	9
780	337	330	10
0	0	0	11
2434596000	1002200000	2462245000	12
74828	32550	5959406	13
36796129	16006316	169451269	14
658901816	286622290	596507887	15
997665	433984	396956	16
696770438	303095140	772315518	17
828.0100	828.0157	2132.8202	18
0	647968	714759	19
0	33414325	53808125	20
0	0	0	21
0	3203830	7170599	22
0	0	0	23
0	0	0	24
0	49682	351430	25
0	2167149	1278082	26
0	0	0	27
0	706971	1027500	28
0	127770	779218	29
0	146868	1069957	30
0	4769345	4246107	31
0	1101604	513650	32
0	493502	730936	33
0	46829014	71690353	34
0.0000	0.0467	0.0291	35

Coal	Oil		Coal	Oil		Coal	Oil		
Tons	Barrels		Tons	Barrels		Tons	Barrels		36 37
1132843	14204	0	469452	6179	0	1016543	18294	0	38
11585	136768	0	11585	136768	0	11923	137609	0	39
68.905	96.809	0.000	69.013	96.808	0.000	47.635	95.729	0.000	40
65.350	92.829	0.000	65.265	92.829	0.000	47.420	89.855	0.000	41
2.820	16.160	0.000	2.817	16.160	0.000	1.989	15.547	0.000	42
0.030	0.000	0.000	0.031	0.000	0.000	0.020	0.000	0.000	43
10815.000	0.000	0.000	10889.000	0.000	0.000	9889.000	0.000	0.000	44

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Exact Legal Name of Respondent (Company)

Ohio Power Company

Year/Period of Report

End of 2010/Q4

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STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants)

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Line No.	Item (a)	Plant Name: *AMOS-OPCO SHARE* (b)			Plant Name: *AMOS-TOTAL* (c)		
1	Kind of Plant (Internal Comb, Gas Turb, Nuclear	STEAM			STEAM		
2	Type of Constr (Conventional, Outdoor, Boiler, etc)	CONVENTIONAL			CONVENTIONAL		
3	Year Originally Constructed	1973			1971		
4	Year Last Unit was Installed	1973			1973		
5	Total Installed Cap (Max Gen Name Plate Ratings-MW)	867.00			2933.00		
6	Net Peak Demand on Plant - MW (60 minutes)	870			2905		
7	Plant Hours Connected to Load	7542			7542		
8	Net Continuous Plant Capability (Megawatts)	0			0		
9	When Not Limited by Condenser Water	867			2900		
10	When Limited by Condenser Water	857			2885		
11	Average Number of Employees	106			360		
12	Net Generation, Exclusive of Plant Use - KWh	5693134000			15382366000		
13	Cost of Plant: Land and Land Rights	652289			5960346		
14	Structures and Improvements	36418091			113638455		
15	Equipment Costs	920991422			2682412752		
16	Asset Retirement Costs	30807885			49405616		
17	Total Cost	988869687			2851417169		
18	Cost per KW of Installed Capacity (line 17/5) Including	1140.5648			972.1845		
19	Production Expenses: Oper, Supv, & Engr	3642594			12178252		
20	Fuel	147631583			400679594		
21	Coolants and Water (Nuclear Plants Only)	0			0		
22	Steam Expenses	8654258			32466400		
23	Steam From Other Sources	0			0		
24	Steam Transferred (Cr)	0			0		
25	Electric Expenses	84123			322927		
26	Misc Steam (or Nuclear) Power Expenses	5947842			38834518		
27	Rents	3281			-8728		
28	Allowances	79940			824679		
29	Maintenance Supervision and Engineering	1483334			5341576		
30	Maintenance of Structures	732283			3784224		
31	Maintenance of Boiler (or reactor) Plant	6997661			42379360		
32	Maintenance of Electric Plant	1023392			10728334		
33	Maintenance of Misc Steam (or Nuclear) Plant	702656			2701047		
34	Total Production Expenses	176982927			550232183		
35	Expenses per Net KWh	0.0311			0.0358		
36	Fuel: Kind (Coal, Gas, Oil, or Nuclear)	Coal	Oil		Coal	Oil	
37	Unit (Coal-tons/Oil-barrel/Gas-mcf/Nuclear-indicate)	Tons	Barrels		Tons	Barrels	
38	Quantity (Units) of Fuel Burned	2340159	28818	0	6245367	108907	0
39	Avg Heat Cont - Fuel Burned (btu/indicate if nuclear)	12159	136628	0	12123	136679	0
40	Avg Cost of Fuel/unit, as Delvd f.o.b. during year	57.290	102.226	0.000	57.037	100.846	0.000
41	Average Cost of Fuel per Unit Burned	59.498	97.314	0.000	59.317	96.612	0.000
42	Average Cost of Fuel Burned per Million BTU	2.447	16.958	0.000	2.446	16.830	0.000
43	Average Cost of Fuel Burned per KWh Net Gen	0.024	0.000	0.000	0.024	0.000	0.000
44	Average BTU per KWh Net Generation	10030.000	0.000	0.000	9885.000	0.000	0.000

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STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants)*(Continued)*

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Plant Name: SPORN-OPCO SHARE (d)			Plant Name: SPORN-TOTAL (e)			Plant Name: GAVIN (f)			Line No.
STEAM			STEAM			STEAM			1
CONVENTIONAL			CONVENTIONAL			CONVENTIONAL			2
1950			1950			1974			3
1960			1960			1975			4
801.00			1106.00			2600.00			5
724			1031			2657			6
5043			6326			8094			7
0			0			0			8
740			1040			2640			9
720			1010			2630			10
116			160			286			11
1287564000			2468469000			16885559000			12
101828			172464			2934019			13
26698793			39536766			108803175			14
343813649			467302027			1803444651			15
14745692			21679249			2104662			16
385359962			528690506			1917286507			17
481.0986			478.0203			737.4179			18
2629913			3841223			4073077			19
46465605			88551853			387478015			20
0			0			0			21
1980994			3529808			61390752			22
0			0			0			23
0			0			0			24
604550			1224394			107185			25
7074506			18558782			19031024			26
52501			76612			0			27
464524			637686			1339871			28
408579			627670			1240514			29
1379568			2063086			2699529			30
6006810			8256814			33563028			31
1488711			2372925			6424043			32
694097			1102211			1552509			33
69450358			130843044			518899547			34
0.0539			0.0530			0.0275			35
Coal	Oil		Coal	Oil		Coal	Oil		36
Tons	Barrels		Tons	Barrels		Tons	Barrels		37
542393	7243	0	1052704	14912	0	7928156	48109	0	38
11719	137239	0	11833	137236	0	11483	137754	0	39
62.116	100.199	0.000	66.804	97.845	0.000	44.039	93.886	0.000	40
79.626	92.870	0.000	78.485	93.271	0.000	45.438	86.073	0.000	41
3.397	16.112	0.000	3.316	16.182	0.000	1.978	14.877	0.000	42
0.340	0.000	0.000	0.033	0.000	0.000	0.019	0.000	0.000	43
9906.000	0.000	0.000	10126.000	0.000	0.000	9656.000	0.000	0.000	44

THIS FILING IS	
Item 1: [X] An Initial (Original) Submission	OR [ ] Resubmission No. ____

Form 1 Approved
OMB No.1902-0021
(Expires 12/31/2014)
Form 1-F Approved
OMB No.1902-0029
(Expires 12/31/2014)
Form 3-Q Approved
OMB No.1902-0205
(Expires 05/31/2014)

FERC FINANCIAL REPORT
FERC FORM No. 1: Annual Report of Major Electric Utilities, Licensees and Others and Supplemental Form 3-Q: Quarterly Financial Report

These reports are mandatory under the Federal Power Act, Sections 3, 4(a), 304 and 309, and 18 CFR 141.1 and 141.400. Failure to report may result in criminal fines, civil penalties and other sanctions as provided by law. The Federal Energy Regulatory Commission does not consider these reports to be of confidential nature

Exact Legal Name of Respondent (Company)	Year/Period of Report
Ohio Power Company	End of 2011/Q4

FERC FORM No.1/3-Q (REV. 02-04)

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
Ohio Power Company	(1) [X] An Original (2) [ ] A Resubmission	/ /	End of 2011/Q4

STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants)

1. Report data for plant in Service only 2. Large plants are steam plants with installed capacity (name plate rating) of 25,000 Kw or more. Report in this page gas-turbine and internal combustion plants of 10,000 Kw or more, and nuclear plants. 3. Indicate by a footnote any plant leased or operated as a joint facility. 4. If net peak demand for 60 minutes is not available, give data which is available, specifying period 5. If any employees attend more than one plant, report on line 11 the approximate average number of employees assignable to each plant. 6. If gas is used and purchased on a therm basis report the Btu content or the gas and the quantity of fuel burned converted to Mct. 7. Quantities of fuel burned (Line 38) and average cost per unit of fuel burned (Line 41) must be consistent with charges to expense accounts 501 and 547 (Line 42) as show on Line 20. 8. If more than one fuel is burned in a plant furnish only the composite heat rate for all fuels burned.

Line No.	Item (a)	Plant Name: *AMOS-OPCO SHARE* (b)			Plant Name: *AMOS-TOTAL* (c)		
1	Kind of Plant (Internal Comb, Gas Turb, Nuclear	STEAM			STEAM		
2	Type of Constr (Conventional, Outdoor, Boiler, etc)	CONVENTIONAL			CONVENTIONAL		
3	Year Originally Constructed	1973			1971		
4	Year Last Unit was Installed	1973			1973		
5	Total Installed Cap (Max Gen Name Plate Ratings-MW)	867.00			2933.00		
6	Net Peak Demand on Plant - MW (60 minutes)	870			2904		
7	Plant Hours Connected to Load	5648			6980		
8	Net Continuous Plant Capability (Megawatts)	0			0		
9	When Not Limited by Condenser Water	867			2900		
10	When Limited by Condenser Water	867			2900		
11	Average Number of Employees	100			339		
12	Net Generation, Exclusive of Plant Use - KWh	3956994000			15169716000		
13	Cost of Plant: Land and Land Rights	652289			5960346		
14	Structures and Improvements	37318056			117622726		
15	Equipment Costs	930194575			3059871569		
16	Asset Retirement Costs	20345008			34950087		
17	Total Cost	988509928			3218404728		
18	Cost per KW of Installed Capacity (line 17/5) Including	1140.1499			1097.3081		
19	Production Expenses: Oper, Supv, & Engr	2499949			9668575		
20	Fuel	112778572			423775684		
21	Coolants and Water (Nuclear Plants Only)	0			0		
22	Steam Expenses	7478632			32936771		
23	Steam From Other Sources	0			0		
24	Steam Transferred (Cr)	0			0		
25	Electric Expenses	76726			294534		
26	Misc Steam (or Nuclear) Power Expenses	4719540			14754020		
27	Rents	1598			-10503		
28	Allowances	275745			-2564		
29	Maintenance Supervision and Engineering	1120209			4152876		
30	Maintenance of Structures	1452213			4523298		
31	Maintenance of Boiler (or reactor) Plant	15591528			36366807		
32	Maintenance of Electric Plant	3760716			10444758		
33	Maintenance of Misc Steam (or Nuclear) Plant	2519601			7575088		
34	Total Production Expenses	152275029			544479344		
35	Expenses per Net KWh	0.0385			0.0359		
36	Fuel: Kind (Coal, Gas, Oil, or Nuclear)	Coal	Oil		Coal	Oil	
37	Unit (Coal-tons/Oil-barrel/Gas-mcf/Nuclear-indicate)	Tons	Barrels		Tons	Barrels	
38	Quantity (Units) of Fuel Burned	1670572	39469	0	6154586	128643	0
39	Avg Heat Cont - Fuel Burned (btu/indicate if nuclear)	12136	137347	0	12127	137305	0
40	Avg Cost of Fuel/unit, as Delvd f.o.b during year	64.056	132.579	0.000	64.924	132.217	0.000
41	Average Cost of Fuel per Unit Burned	62.148	129.752	0.000	63.058	129.440	0.000
42	Average Cost of Fuel Burned per Million BTU	2.560	22.493	0.000	2.600	22.446	0.000
43	Average Cost of Fuel Burned per KWh Net Gen	0.026	0.000	0.000	0.026	0.000	0.000
44	Average BTU per KWh Net Generation	10310.000	0.000	0.000	9893.000	0.000	0.000

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
Ohio Power Company	(1) [X] An Original (2) [ ] A Resubmission	/ /	End of 2011/Q4

STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants) *(Continued)*

9. Items under Cost of Plant are based on U. S. of A. Accounts. Production expenses do not include Purchased Power, System Control and Load Dispatching, and Other Expenses Classified as Other Power Supply Expenses. 10. For IC and GT plants, report Operating Expenses, Account Nos. 547 and 549 on Line 25 "Electric Expenses," and Maintenance Account Nos. 553 and 554 on Line 32, "Maintenance of Electric Plant." Indicate plants designed for peak load service. Designate automatically operated plants. 11. For a plant equipped with combinations of fossil fuel steam, nuclear steam, hydro, internal combustion or gas-turbine equipment, report each as a separate plant. However, if a gas-turbine unit functions in a combined cycle operation with a conventional steam unit, include the gas-turbine with the steam plant. 12. If a nuclear power generating plant, briefly explain by footnote (a) accounting method for cost of power generated including any excess costs attributed to research and development; (b) types of cost units used for the various components of fuel cost; and (c) any other informative data concerning plant type fuel used, fuel enrichment type and quantity for the report period and other physical and operating characteristics of plant.

Plant Name: *SPORN-OPCO SHARE* (d)	Plant Name: *SPORN-TOTAL* (e)	Plant Name: *GAVIN* (f)	Line No.
STEAM	STEAM	STEAM	1
CONVENTIONAL	CONVENTIONAL	CONVENTIONAL	2
1950	1950	1974	3
1960	1960	1975	4
305.00	610.00	2600.00	5
298	604	2559	6
2599	5642	7395	7
0	0	0	8
300	600	2640	9
290	580	2630	10
76	123	272	11
416901000	1492071000	18184347000	12
101828	172464	2934019	13
10980020	23865004	110630628	14
140825704	265084422	1804520449	15
16482322	27569595	23536298	16
168389874	316711485	1941621394	17
552.0979	519.1992	746.7775	18
1458483	2521147	3504039	19
17451763	56647868	366567061	20
0	0	0	21
1659690	2575812	68138059	22
0	0	0	23
0	0	0	24
720701	1206915	99064	25
49415651	51348738	15939501	26
48937	78820	2093	27
253516	359759	2118607	28
234869	426226	1071722	29
1323276	2315258	1930409	30
3697177	7767685	37372652	31
2330912	4357061	4999880	32
621055	960245	1648132	33
79216030	130565334	503391219	34
0.1900	0.0875	0.0277	35

Coal	Oil		Coal	Oil		Coal	Oil		
Tons	Barrels		Tons	Barrels		Tons	Barrels		36
206717	6826	0	714989	13883	0	7354672	45581	0	37
11810	137168	0	11842	137089	0	11985	136841	0	38
72.866	138.082	0.000	71.002	133.530	0.000	46.520	134.778	0.000	39
70.659	121.600	0.000	70.188	121.370	0.000	45.444	113.921	0.000	40
2.991	21.107	0.000	2.964	21.079	0.000	1.896	19.821	0.000	41
0.035	0.000	0.000	0.034	0.000	0.000	0.018	0.000	0.000	42
11807.000	0.000	0.000	11401.000	0.000	0.000	9709.000	0.000	0.000	43
									44

COMPARISON OF PLANT HEAT RATES
Actual 2010 and 2011 versus Staff - Staff Plants

Source: **FF1, pg.402 OR 403, Ln. 44**

	2010 ACTUAL	2011 ACTUAL	Avg. 2010 & 2011	2012 STAFF*	% of Actual
WATERFORD	7,431	7,308	7,370	7,000	95%
CONESVILLE	10,990	10,982	10,986	10,244	93%
CONESVILLE UNIT 4	10,889	10,551	10,720	9,429	88%
DARBY	13,057	12,429	12,743	9,000	71%
PICWAY	13,187	16,149	14,668	11,079	76%
GAVIN	9,656	9,709	9,683	9,548	99%
KAMMER	11,575	10,711	11,143	9,168	82%
MITCHELL	9,845	9,902	9,874	9,319	94%
MUSKINGUM RIVER	10,375	10,169	10,272	9,340	91%

*Staff workpaper

Company Exh. ____

COMPARISON OF FUEL COSTS
Actual 2010 and 2011 versus Staff - Sample Plants

	Source	2010 ACTUAL	2011 ACTUAL	Avg. 2010 & 2011	2012 STAFF*	Staff Fuel Rate as % of Actual
GAVIN						
Fuel	FF1, pg.403, Ln. 20	$ 387,478,015	$ 366,567,061	$ 754,045,076		
Generation KWh	FF1, pg.403, Ln. 12	18,885,559,000	18,184,347,000	37,069,906,000		
Rate $/MWh		$ 20.52	$ 20.16	$ 20.34	$ 13.14	65%
CONESVILLE UNIT 4						
Fuel	FF1, pg.403, Ln. 20	$ 33,414,325	$ 41,701,042	$ 75,115,367		
Generation KWh	FF1, pg.403, Ln. 12	1,002,200,000	1,053,487,000	2,055,687,000		
Rate $/MWh		$ 33.34	$ 39.58	$ 36.54	$ 23.93	65%
Kammer						
Fuel	FF1, pg.403.1, Ln. 20	$ 62,259,865	$ 63,293,213	$ 125,553,078		
Generation KWh	FF1, pg.403.1, Ln. 12	1,498,424,000	1,778,385,000	3,276,809,000		
Rate $/MWh		$ 41.55	$ 35.59	$ 38.32	$ 26.61	69%

*Staff workpaper

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PUCO Case No. 10-2929-EL-UNC
Ohio Power Company
Energy Cost Detail

			OPCO			CSP			AEP Ohio		
1	**Cost Components**	**Source/Check**	**Cost**	**Generation**	**Unit Cost**	**Cost**	**Generation**	**Unit Cost**	**Cost**	**Generation**	**Unit Cost**
2											
3	Fuel (151)										
4	Steam	WP-15b, FF1p.401a	$1,112,459,037	48,631,335	$22.88	$335,314,075	12,483,054	$26.86	$1,447,773,112	61,114,389	$23.69
5	Hydro		$0	137,165	$0.00	-	-	-	$0	137,165	-
6	Other		-	-	-	$2,928,242	38,093	$76.87	$2,928,242	38,093	$76.87
7	**Fuel (151)**	Sum(Ln4:Ln6)	**$1,112,459,037**	**48,768,500**	**$22.81**	**$338,242,317**	**12,521,147**	**$27.01**	**$1,450,701,354**	**61,289,647**	**$23.67**
8	Sale of Fly Ash (501)	WP-15b	($1,361,098)	48,631,335	($0.03)	($155,717)	12,483,054	($0.01)	($1,516,815)	61,114,389	($0.02)
9	Fuel Handling (152)	WP-15b	$35,107,375	48,631,335	$0.72	$8,699,618	12,483,054	$0.70	$43,806,993	61,114,389	$0.72
10	**Total Fuel (501+547)**[Note A]	Sum(Ln7:Ln9)	**$1,146,205,314**	**48,631,335**	**$23.57**	**$346,786,219**	**12,483,054**	**$27.78**	**$1,492,991,533**	**61,114,389**	**$24.43**
11											
12	Emission Allowances (509)	WP-14	$8,473,508	48,631,335	$0.17	$5,727,736	12,483,054	$0.46	$14,201,244	61,114,389	$0.23
13											
14	Maintenance Supervision & Engineering (510)	WP14	$12,473,218	48,631,335	$0.26	$2,327,198	12,483,054	$0.19	$14,800,416	61,114,389	$0.24
15											
16	Maintenance of Boiler Plant (512)	WP14	$107,219,065	48,631,335	$2.20	$44,791,005	12,483,054	$3.59	$152,010,070	61,114,389	$2.49
17											
18	Maintenance of Steam Electric Plant (513)	WP14	$22,984,446	48,631,335	$0.47	$7,662,253	12,483,054	$0.61	$30,646,699	61,114,389	$0.50
19											
20	Maintenance of Hydro Electric Plant (544)	WP14	$2,051,934	137,165	$14.96	-	-	-	$2,051,934	137,165	$14.96
21											
22	**Total Production Expense - Own Generation**	Sum(Ln10:Ln20)	**$1,299,407,484**	**48,768,500**	**$26.64**	**$407,294,411**	**12,521,147**	**$32.53**	**$1,706,701,895**	**61,289,647**	**$27.85**
23											
24	A&G Expense - Energy [Note B]	Exhibit KDP-3&4,p.10	$25,231,894	48,768,500	$0.52	$7,279,224	12,521,147	$0.58	$32,511,118	61,289,647	$0.53
25											
26	Return on Rate Base - Energy	Exhibit KDP-3&4,p.5	$12,922,739	48,768,500	$0.26	$7,221,252	12,521,147	$0.58	$20,143,990	61,289,647	$0.33
27											
28	Depreciation Expense - Energy (403-405)	Exhibit KDP-3&4,p.16	$4,647,135	48,768,500	$0.10	$1,412,084	12,521,147	$0.11	$6,059,219	61,289,647	$0.10
29											
30	Income Tax - Energy	Exhibit KDP-3&4,p.18	$5,132,890	48,768,500	$0.11	$2,650,258	12,521,147	$0.21	$7,783,148	61,289,647	$0.13
31											
32	**Total Production Cost - Own Generation**	Sum(Ln22:Ln30)	**$1,347,342,142**	**48,768,500**	**$27.63**	**$425,857,228**	**12,521,147**	**$34.01**	**$1,773,199,370**	**61,289,647**	**$28.93**
33											
34	Purchase Power - Energy (555)	WP-15c	$303,635,727	8,010,064	$37.91	$485,544,169	15,631,380	$31.06	$789,179,896	23,641,444	$33.38
35											
36	Less OSS Revenues net of Margins[Note C]	Exhibit KDP-3&4,p.22	$708,983,477	25,595,609	$27.70	$226,697,849	6,397,937	$35.43	$935,681,326	31,993,546	$29.25
37											
38	**Total Energy Costs**	Exhibit KDP-3&4,p.21	**$941,994,391**	**31,182,955**	**$30.21**	**$684,703,548**	**21,754,590**	**$31.47**	**$1,626,697,940**	**52,937,545**	**$30.73**

Notes

A. Reconciliation with FF1 501 Fuel

		OPCO	CSP
Fuel (501+547)	Ln 10 above	$1,146,205,314	346,786,219
Less fuel deferrals	*WP15b*	$153,642,822	(23,228,616)
Net Fuel (501+547)	FF1,p.320,5+p.321,63	$992,562,492	$370,014,835

B. Includes portions of Accounts 920-935, as shown on KDP-3 (CSP) and KDP-4 (OPCO),p.10, and refereced to FF1p.323.

C. *Includes portions of accounts 447, 555, 561 and 575*

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Exhibit RTH-1

Credits Provided by Year and as a Fixed Rate for the 5/1/2012-6/1/2015 Period

Energy Credits

	CSP	Year	A Total Generation (MWh)	Off System Sales (MWh)	B Gross Margin (2012 $)	MLR	Retained Margin (2012 $)	Energy Credit ($/MWd) (Note 1)	=B/A Average Margins ($/MWh)
(1)	May-Dec	2012	7,056,020	0	33,531,150	19%	33,531,150	$33.17	$ 4.75
(2)		2013	12,305,245	0	72,590,447	19%	72,590,447	$48.20	$ 5.90
(3)		2014	11,111,823	0	73,758,714	19%	73,758,714	$48.98	$ 6.64
(4)	Jan-June	2015	4,982,905	0	43,102,350	19%	43,102,350	$57.72	$ 8.65
(5)		Total	35,455,992		222,982,662			$46.75	$ 6.29

	OPCo	Year	Total Generation (MWh)	Off System Sales (MWh)	Gross Margin (2012 $)	MLR	Retained Margin (2012 $)	Energy Credit ($/MWd) (Note 1)	
(6)	May-Dec	2012	28,835,144	7,434,439	272,113,778	22%	216,041,392	$178.68	$ 9.44
(7)		2013	32,800,561	1,556,118	444,903,927	22%	433,433,803	$240.63	$ 13.56
(8)		2014	32,479,099	1,407,188	447,961,893	22%	437,134,697	$242.68	$ 13.79
(9)	Jan-June	2015	16,109,890	601,817	236,506,513	22%	231,328,627	$258.98	$ 14.68
(10)		Total	110,224,694		1,401,486,112			$231.02	$ 12.71

	Merged	Year	Total Generation (MWh)	Off System Sales (MWh)	Gross Margin (2012 $)	MLR	Retained Margin (2012 $)	Energy Credit ($/MWd) (Note 1)	
(11)	May-Dec	2012	35,891,164	1,554,941	305,644,928	40%	296,976,172	$133.78	$ 8.52
(12)		2013	45,105,806	19,173	517,494,375	40%	517,379,057	$156.44	$ 11.47
(13)		2014	43,590,923	16,772	521,720,607	40%	521,615,865	$157.72	$ 11.97
(14)	Jan-June	2015	21,092,794	2,174	279,608,864	40%	279,593,682	$170.48	$ 13.26
(15)		Total	145,680,687		1,624,468,774			$154.24	$ 11.15

Exhibit RTH-1 Revised

Credits Provided by Year and as a Fixed Rate for the 5/1/2012-6/1/2015 Period

Energy Credits

	CSP	Year	A Total Generation (MWh)	Off System Sales (MWh)	B Gross Margin (2012 $)	MLR	Retained Margin (2012 $)	Energy Credit ($/MWd) (Note 1)	=B/A Average Margins ($/MWh)
(1)	May-Dec	2012	7,056,020	16,738	33,531,150	19%	33,400,970	$33.04	$ 4.75
(2)		2013	12,305,245	89,633	72,590,447	19%	71,974,748	$47.79	$ 5.90
(3)		2014	11,111,823	36,769	73,758,714	19%	73,571,241	$48.85	$ 6.64
(4)	Jan-June	2015	4,982,905	911	43,102,350	19%	43,097,901	$57.71	$ 8.65
(5)		Total	35,455,992		222,982,662			$46.55	$ 6.29

	OPCo	Year	Total Generation (MWh)	Off System Sales (MWh)	Gross Margin (2012 $)	MLR	Retained Margin (2012 $)	Energy Credit ($/MWd) (Note 1)	
(6)	May-Dec	2012	21,598,762	7,178,556	236,230,746	22%	175,879,577	$145.47	$ 10.94
(7)		2013	20,970,730	813,392	351,493,069	22%	344,998,500	$191.53	$ 16.76
(8)		2014	20,983,207	854,019	357,650,517	22%	351,190,264	$194.97	$ 17.04
(9)	Jan-June	2015	10,703,901	524,336	189,262,142	22%	185,212,235	$207.35	$ 17.68
(10)		Total	74,256,600		1,134,636,474			$185.33	$ 15.28

	Merged	Year	Total Generation (MWh)	Off System Sales (MWh)	Gross Margin (2012 $)	MLR	Retained Margin (2012 $)	Energy Credit ($/MWd) (Note 1)	
(11)	May-Dec	2012	28,654,782	3,456,628	269,761,896	40%	247,715,050	$111.59	$ 9.41
(12)		2013	33,275,975	84,255	424,083,517	40%	423,430,448	$128.03	$ 12.74
(13)		2014	32,695,030	63,361	431,409,231	40%	430,878,429	$130.28	$ 13.44
(14)	Jan-June	2015	15,686,806	14,587	232,364,493	40%	232,254,036	$141.61	$ 14.81
(15)		Total	109,712,592		1,357,619,137			$127.38	$ 12.37

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Staff Reduction in Energy Credit Due to Limited Application of MLR

Source: Exhibit RTH-1 Revised

			$/MW-Day	
	Gross Margin	Retained Margin	Gross Margin	Retained Margin
May - Dec 2012	$ 269,761,896	$ 247,715,050	$ 121.52	$ 111.59
2013	$ 424,083,517	$ 423,430,448	$ 128.23	$ 128.03
2014	$ 431,409,231	$ 430,878,429	$ 130.44	$ 130.28
Jan - June 2015	$ 232,364,493	$ 232,254,036	$ 141.68	$ 141.61
Total	$ 1,357,619,137	$ 1,334,277,963	$ 129.61	$ 127.38

Difference In $/MW-Day From Limited Application of MLR	**$ 2.23**
Retained Margin as a Percent of Gross	98.3%

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		AEP Projectd Retail Load (MWh)			Projected Generation (MWh)		
Year	Datetime	Columbus Southern Power Co	Ohio Power Co	Merged	Columbus Southern Power Co	Ohio Power Co	Merged
2012	2012_05_01 Hr 01	1,537	2,188	3,725	522	2,696	3,218
2012	2012_05_01 Hr 02	1,486	2,148	3,635	522	2,696	3,218
2012	2012_05_01 Hr 03	1,460	2,118	3,578	522	2,696	3,218
2012	2012_05_01 Hr 04	1,470	2,124	3,594	522	2,696	3,218
2012	2012_05_01 Hr 05	1,537	2,210	3,747	522	2,696	3,218
2012	2012_05_01 Hr 06	1,660	2,325	3,985	522	2,696	3,219
2012	2012_05_01 Hr 07	1,812	2,494	4,306	803	2,907	3,710
2012	2012_05_01 Hr 08	1,923	2,622	4,545	906	2,907	3,813
2012	2012_05_01 Hr 09	1,980	2,702	4,682	1,129	3,631	4,760
2012	2012_05_01 Hr 10	2,041	2,757	4,798	1,140	3,978	5,118
2012	2012_05_01 Hr 11	2,086	2,789	4,874	1,170	4,158	5,328
2012	2012_05_01 Hr 12	2,132	2,822	4,954	1,188	4,158	5,346
2012	2012_05_01 Hr 13	2,174	2,866	5,039	1,188	4,158	5,346
2012	2012_05_01 Hr 14	2,218	2,865	5,084	1,188	4,158	5,346
2012	2012_05_01 Hr 15	2,262	2,868	5,131	1,188	4,158	5,346
2012	2012_05_01 Hr 16	2,289	2,861	5,150	1,188	4,158	5,346
2012	2012_05_01 Hr 17	2,292	2,814	5,106	1,188	4,158	5,346
2012	2012_05_01 Hr 18	2,243	2,760	5,003	1,139	4,158	5,297
2012	2012_05_01 Hr 19	2,187	2,725	4,913	1,127	4,158	5,285
2012	2012_05_01 Hr 20	2,157	2,735	4,892	1,127	4,158	5,285
2012	2012_05_01 Hr 21	2,137	2,746	4,883	1,099	4,158	5,257
2012	2012_05_01 Hr 22	1,982	2,597	4,579	1,090	4,158	5,248
2012	2012_05_01 Hr 23	1,813	2,425	4,238	785	3,602	4,387
2012	2012_05_01 Hr 24	1,666	2,305	3,971	522	3,012	3,534

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		Estimated OSS (MWh)			OSS %		
Year	Datetime	Columbus Southern Power Co	Ohio Power Co	Merged	Columbus Southern Power Co	Ohio Power Co	Merged
2012	2012_05_01 Hr 01	0	508	0	0%	19%	0%
2012	2012_05_01 Hr 02	0	547	0	0%	20%	0%
2012	2012_05_01 Hr 03	0	578	0	0%	21%	0%
2012	2012_05_01 Hr 04	0	572	0	0%	21%	0%
2012	2012_05_01 Hr 05	0	486	0	0%	18%	0%
2012	2012_05_01 Hr 06	0	371	0	0%	14%	0%
2012	2012_05_01 Hr 07	0	413	0	0%	14%	0%
2012	2012_05_01 Hr 08	0	284	0	0%	10%	0%
2012	2012_05_01 Hr 09	0	929	78	0%	26%	2%
2012	2012_05_01 Hr 10	0	1,221	320	0%	31%	6%
2012	2012_05_01 Hr 11	0	1,369	454	0%	33%	9%
2012	2012_05_01 Hr 12	0	1,336	392	0%	32%	7%
2012	2012_05_01 Hr 13	0	1,292	307	0%	31%	6%
2012	2012_05_01 Hr 14	0	1,293	262	0%	31%	5%
2012	2012_05_01 Hr 15	0	1,290	215	0%	31%	4%
2012	2012_05_01 Hr 16	0	1,297	196	0%	31%	4%
2012	2012_05_01 Hr 17	0	1,344	240	0%	32%	4%
2012	2012_05_01 Hr 18	0	1,398	294	0%	34%	6%
2012	2012_05_01 Hr 19	0	1,432	372	0%	34%	7%
2012	2012_05_01 Hr 20	0	1,423	392	0%	34%	7%
2012	2012_05_01 Hr 21	0	1,412	373	0%	34%	7%
2012	2012_05_01 Hr 22	0	1,561	669	0%	38%	13%
2012	2012_05_01 Hr 23	0	1,178	149	0%	33%	3%
2012	2012_05_01 Hr 24	0	707	0	0%	23%	0%

					MLR	MLR	MLR
					19%	22%	40%
		Total Margin ($000)			Retained Margin ($000)		
Year	Datetime	Columbus Southern Power Co	Ohio Power Co	Merged	Columbus Southern Power Co	Ohio Power Co	Merged
2012	2012_05_01 Hr 01	-$6.11	$2.33	-$3.78	-$6.11	$1.99	-$3.78
2012	2012_05_01 Hr 02	-$6.75	-$0.97	-$7.72	-$6.75	-$0.97	-$7.72
2012	2012_05_01 Hr 03	-$7.13	-$2.94	-$10.08	-$7.13	-$2.94	-$10.08
2012	2012_05_01 Hr 04	-$6.81	-$1.31	-$8.12	-$6.81	-$1.31	-$8.12
2012	2012_05_01 Hr 05	-$5.92	$3.28	-$2.64	-$5.92	$2.82	-$2.64
2012	2012_05_01 Hr 06	-$4.48	$10.72	$6.24	-$4.48	$9.57	$6.24
2012	2012_05_01 Hr 07	$0.39	$27.36	$27.76	$0.39	$24.33	$27.76
2012	2012_05_01 Hr 08	$1.69	$31.08	$32.77	$1.69	$28.71	$32.77
2012	2012_05_01 Hr 09	$2.29	$32.16	$34.45	$2.29	$25.75	$34.11
2012	2012_05_01 Hr 10	$2.31	$33.54	$35.85	$2.31	$25.51	$34.52
2012	2012_05_01 Hr 11	$3.43	$37.17	$40.60	$3.43	$27.63	$38.54
2012	2012_05_01 Hr 12	$4.70	$41.41	$46.11	$4.70	$31.04	$44.10
2012	2012_05_01 Hr 13	$4.31	$40.07	$44.39	$4.31	$30.37	$42.87
2012	2012_05_01 Hr 14	$5.04	$42.62	$47.66	$5.04	$32.29	$46.27
2012	2012_05_01 Hr 15	$5.07	$42.71	$47.77	$5.07	$32.38	$46.63
2012	2012_05_01 Hr 16	$6.05	$46.16	$52.22	$6.05	$34.94	$51.08
2012	2012_05_01 Hr 17	$4.32	$40.10	$44.42	$4.32	$30.00	$43.24
2012	2012_05_01 Hr 18	$2.55	$34.36	$36.91	$2.55	$25.36	$35.69
2012	2012_05_01 Hr 19	$2.23	$33.28	$35.51	$2.23	$24.35	$34.02
2012	2012_05_01 Hr 20	$2.23	$33.28	$35.51	$2.23	$24.40	$33.94
2012	2012_05_01 Hr 21	$3.43	$38.06	$41.49	$3.43	$27.99	$39.74
2012	2012_05_01 Hr 22	$2.01	$32.77	$34.78	$2.01	$23.18	$32.14
2012	2012_05_01 Hr 23	-$4.40	$5.33	$0.93	-$4.40	$3.97	$0.91
2012	2012_05_01 Hr 24	-$5.19	$3.78	-$1.41	-$5.19	$3.09	-$1.41

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Fuel Cost ($/MWh)						
Utility	Name	ID	2012	2013	2014	2015
Columbus Southern Power Co	AEP Waterford Facility	55503-CTG1	30.50	32.97	34.97	38.94
Columbus Southern Power Co	AEP Waterford Facility	55503-CTG2	30.50	32.96	34.93	38.88
Columbus Southern Power Co	AEP Waterford Facility	55503-CTG3	30.51	32.93	34.95	38.89
Columbus Southern Power Co	AEP Waterford Facility	55503-ST1	30.72	32.89	34.77	38.97
Columbus Southern Power Co	Conesville	2840-3	26.22	0.00	0.00	0.00
Columbus Southern Power Co	Conesville	2840-4	23.93	24.57	25.59	25.95
Columbus Southern Power Co	Conesville	2840-5	25.78	26.64	27.55	27.82
Columbus Southern Power Co	Conesville	2840-6	26.67	27.44	28.35	28.61
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT1	39.06	40.90	43.88	49.31
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT2	39.05	40.90	43.92	49.33
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT3	38.99	40.94	43.71	49.18
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT4	38.90	40.80	43.80	49.21
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT5	39.07	40.87	43.97	49.03
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT6	39.00	40.67	43.50	49.51
Columbus Southern Power Co	Picway	2843-5	35.66	0.00	0.00	0.00
Ohio Power Co	General James M Gavin	8102-1	13.26	13.64	14.47	14.82
Ohio Power Co	General James M Gavin	8102-2	13.02	13.39	14.20	14.55
Ohio Power Co	Kammer	3947-1	26.51	26.46	28.24	0.00
Ohio Power Co	Kammer	3947-2	26.63	26.64	28.48	0.00
Ohio Power Co	Kammer	3947-3	26.69	26.65	28.44	0.00
Ohio Power Co	Mitchell	3948-1	23.72	24.71	26.10	26.80
Ohio Power Co	Mitchell	3948-2	23.68	24.67	26.07	26.62
Ohio Power Co	Muskingum River	2872-1	24.07	0.00	0.00	0.00
Ohio Power Co	Muskingum River	2872-2	24.02	0.00	0.00	0.00
Ohio Power Co	Muskingum River	2872-3	24.81	31.14	0.00	0.00
Ohio Power Co	Muskingum River	2872-4	23.31	0.00	0.00	0.00
Ohio Power Co	Muskingum River	2872-5	25.82	28.42	0.00	30.39
Ohio Power Co	Racine	6006-1	0.00	0.00	0.00	0.00
Ohio Power Co	Racine	6006-2	0.00	0.00	0.00	0.00
Ohio Power Co	Cardinal	2828-1	18.80	19.78	20.76	21.14
Ohio Power Co	Cardinal	2828-2	18.56	19.52	20.49	20.87
Ohio Power Co	Cardinal	2828-3	25.16	22.46	18.92	19.28
Columbus Southern Power Co	Lawrenceburg Energy Facility	55502-100	30.30	31.73	34.44	38.81
Columbus Southern Power Co	Lawrenceburg Energy Facility	55502-1100	30.30	31.73	34.44	38.81
Columbus Southern Power Co	Lawrenceburg Energy Facility	55502-1200	30.30	31.73	34.44	38.81
Columbus Southern Power Co	Lawrenceburg Energy Facility	55502-200	30.30	31.73	34.44	38.81
Columbus Southern Power Co	Lawrenceburg Energy Facility	55502-2100	30.30	31.73	34.44	38.81
Columbus Southern Power Co	Lawrenceburg Energy Facility	55502-2200	30.30	31.73	34.44	38.81
Columbus Southern Power Co	J M Stuart	2850-1	21.14	21.35	22.34	23.00
Columbus Southern Power Co	J M Stuart	2850-2	20.65	20.86	21.82	22.46
Columbus Southern Power Co	J M Stuart	2850-3	21.11	21.33	22.31	22.97
Columbus Southern Power Co	J M Stuart	2850-4	20.93	21.15	22.12	22.77
Columbus Southern Power Co	J M Stuart	2850-D1	46.97	49.19	53.38	60.16
Columbus Southern Power Co	J M Stuart	2850-D2	46.97	49.19	53.38	60.16
Columbus Southern Power Co	J M Stuart	2850-D3	46.97	49.19	53.38	60.16
Columbus Southern Power Co	J M Stuart	2850-D4	46.97	49.19	53.38	60.16
Columbus Southern Power Co	W H Zimmer	6019-ST1	18.80	19.36	19.84	20.10
Ohio Power Co	Philip Sporn	3938-2	23.54	25.36	27.42	27.93
Ohio Power Co	Philip Sporn	3938-4	23.48	25.29	27.34	27.86
Ohio Power Co	Philip Sporn	3938-5	22.25	23.97	25.91	26.40
Columbus Southern Power Co	Walter C Beckjord	2830-6	25.24	27.05	29.15	29.66

VOM ($/MWh)						
Utility	Name	ID	2012	2013	2014	2015
Columbus Southern Power Co	AEP Waterford Facility	55503-CTG1	6.35	6.35	6.35	6.35
Columbus Southern Power Co	AEP Waterford Facility	55503-CTG2	6.35	6.35	6.35	6.35
Columbus Southern Power Co	AEP Waterford Facility	55503-CTG3	6.35	6.35	6.35	6.35
Columbus Southern Power Co	AEP Waterford Facility	55503-ST1	6.35	6.35	6.35	6.35
Columbus Southern Power Co	Conesville	2840-3	5.28	0.00	0.00	0.00
Columbus Southern Power Co	Conesville	2840-4	5.28	5.28	5.28	5.28
Columbus Southern Power Co	Conesville	2840-5	5.28	5.28	5.28	5.28
Columbus Southern Power Co	Conesville	2840-6	5.28	5.28	5.28	5.28
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT1	6.35	6.35	6.35	6.35
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT2	6.35	6.35	6.35	6.35
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT3	6.35	6.35	6.35	6.35
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT4	6.35	6.35	6.35	6.35
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT5	6.35	6.35	6.35	6.35
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT6	6.35	6.35	6.35	6.35
Columbus Southern Power Co	Picway	2843-5	5.28	0.00	0.00	0.00
Ohio Power Co	General James M Gavin	8102-1	5.28	5.28	5.28	5.28
Ohio Power Co	General James M Gavin	8102-2	5.28	5.28	5.28	5.28
Ohio Power Co	Kammer	3947-1	5.28	5.28	5.28	0.00
Ohio Power Co	Kammer	3947-2	5.28	5.28	5.28	0.00
Ohio Power Co	Kammer	3947-3	5.28	5.28	5.28	0.00
Ohio Power Co	Mitchell	3948-1	5.28	5.28	5.28	5.28
Ohio Power Co	Mitchell	3948-2	5.28	5.28	5.28	5.28
Ohio Power Co	Muskingum River	2872-1	5.28	0.00	0.00	0.00
Ohio Power Co	Muskingum River	2872-2	5.28	0.00	0.00	0.00
Ohio Power Co	Muskingum River	2872-3	5.28	5.28	0.00	0.00
Ohio Power Co	Muskingum River	2872-4	5.28	0.00	0.00	0.00
Ohio Power Co	Muskingum River	2872-5	5.28	5.28	0.00	5.28
Ohio Power Co	Racine	6006-1	3.88	3.88	3.88	3.88
Ohio Power Co	Racine	6006-2	3.88	3.88	3.88	3.88
Ohio Power Co	Cardinal	2828-1	5.28	5.28	5.28	5.28
Ohio Power Co	Cardinal	2828-2	5.28	5.28	5.28	5.28
Ohio Power Co	Cardinal	2828-3	5.28	5.28	5.28	5.28
Columbus Southern Power Co	Lawrenceburg Energy Facility	55502-100	6.35	6.35	6.35	6.35
Columbus Southern Power Co	Lawrenceburg Energy Facility	55502-1100	6.35	6.35	6.35	6.35
Columbus Southern Power Co	Lawrenceburg Energy Facility	55502-1200	6.35	6.35	6.35	6.35
Columbus Southern Power Co	Lawrenceburg Energy Facility	55502-200	6.35	6.35	6.35	6.35
Columbus Southern Power Co	Lawrenceburg Energy Facility	55502-2100	6.35	6.35	6.35	6.35
Columbus Southern Power Co	Lawrenceburg Energy Facility	55502-2200	6.35	6.35	6.35	6.35
Columbus Southern Power Co	J M Stuart	2850-1	5.28	5.28	5.28	5.28
Columbus Southern Power Co	J M Stuart	2850-2	5.28	5.28	5.28	5.28
Columbus Southern Power Co	J M Stuart	2850-3	5.28	5.28	5.28	5.28
Columbus Southern Power Co	J M Stuart	2850-4	5.28	5.28	5.28	5.28
Columbus Southern Power Co	J M Stuart	2850-D1	6.35	6.35	6.35	6.35
Columbus Southern Power Co	J M Stuart	2850-D2	6.35	6.35	6.35	6.35
Columbus Southern Power Co	J M Stuart	2850-D3	6.35	6.35	6.35	6.35
Columbus Southern Power Co	J M Stuart	2850-D4	6.35	6.35	6.35	6.35
Columbus Southern Power Co	W H Zimmer	6019-ST1	5.28	5.28	5.28	5.28
Ohio Power Co	Philip Sporn	3938-2	5.28	5.28	5.28	5.28
Ohio Power Co	Philip Sporn	3938-4	5.28	5.28	5.28	5.28
Ohio Power Co	Philip Sporn	3938-5	5.28	5.28	5.28	5.28
Columbus Southern Power Co	Walter C Beckjord	2830-6	5.28	5.28	5.28	5.28

Emission Cost ($/MWh)						
Utility	Name	ID	2012	2013	2014	2015
Columbus Southern Power Co	AEP Waterford Facility	55503-CTG1	0.02	0.18	0.18	0.09
Columbus Southern Power Co	AEP Waterford Facility	55503-CTG2	0.02	0.18	0.18	0.09
Columbus Southern Power Co	AEP Waterford Facility	55503-CTG3	0.02	0.18	0.18	0.09
Columbus Southern Power Co	AEP Waterford Facility	55503-ST1	0.02	0.18	0.18	0.09
Columbus Southern Power Co	Conesville	2840-3	0.28	0.00	0.00	0.00
Columbus Southern Power Co	Conesville	2840-4	0.03	1.44	1.38	0.84
Columbus Southern Power Co	Conesville	2840-5	0.17	3.48	3.41	1.92
Columbus Southern Power Co	Conesville	2840-6	0.18	3.40	3.33	1.87
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT1	0.02	0.27	0.28	0.14
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT2	0.02	0.27	0.28	0.14
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT3	0.06	0.68	0.69	0.35
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT4	0.06	0.68	0.69	0.35
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT5	0.06	0.68	0.69	0.35
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT6	0.06	0.68	0.69	0.35
Columbus Southern Power Co	Picway	2843-5	0.30	0.00	0.00	0.00
Ohio Power Co	General James M Gavin	8102-1	0.04	2.78	2.65	1.61
Ohio Power Co	General James M Gavin	8102-2	0.04	2.77	2.63	1.60
Ohio Power Co	Kammer	3947-1	0.24	17.92	16.99	0.00
Ohio Power Co	Kammer	3947-2	0.25	18.14	17.23	0.00
Ohio Power Co	Kammer	3947-3	0.24	18.11	17.16	0.00
Ohio Power Co	Mitchell	3948-1	0.03	1.10	1.06	0.64
Ohio Power Co	Mitchell	3948-2	0.03	0.97	0.94	0.56
Ohio Power Co	Muskingum River	2872-1	0.33	0.00	0.00	0.00
Ohio Power Co	Muskingum River	2872-2	0.32	0.00	0.00	0.00
Ohio Power Co	Muskingum River	2872-3	0.33	46.68	0.00	0.00
Ohio Power Co	Muskingum River	2872-4	0.31	0.00	0.00	0.00
Ohio Power Co	Muskingum River	2872-5	0.05	14.67	0.00	8.46
Ohio Power Co	Racine	6006-1	0.00	0.00	0.00	0.00
Ohio Power Co	Racine	6006-2	0.00	0.00	0.00	0.00
Ohio Power Co	Cardinal	2828-1	0.02	1.94	1.84	1.13
Ohio Power Co	Cardinal	2828-2	0.03	1.56	1.49	0.90
Ohio Power Co	Cardinal	2828-3	0.03	0.85	0.82	0.48
Columbus Southern Power Co	Lawrenceburg Energy Facility	55502-100	0.01	0.16	0.16	0.08
Columbus Southern Power Co	Lawrenceburg Energy Facility	55502-1100	0.01	0.16	0.16	0.08
Columbus Southern Power Co	Lawrenceburg Energy Facility	55502-1200	0.01	0.16	0.16	0.08
Columbus Southern Power Co	Lawrenceburg Energy Facility	55502-200	0.01	0.16	0.16	0.08
Columbus Southern Power Co	Lawrenceburg Energy Facility	55502-2100	0.01	0.16	0.16	0.08
Columbus Southern Power Co	Lawrenceburg Energy Facility	55502-2200	0.01	0.16	0.16	0.08
Columbus Southern Power Co	J M Stuart	2850-1	0.06	2.00	1.92	1.14
Columbus Southern Power Co	J M Stuart	2850-2	0.07	1.98	1.91	1.12
Columbus Southern Power Co	J M Stuart	2850-3	0.06	1.28	1.25	0.71
Columbus Southern Power Co	J M Stuart	2850-4	0.06	1.75	1.70	0.98
Columbus Southern Power Co	J M Stuart	2850-D1	0.02	0.22	0.22	0.11
Columbus Southern Power Co	J M Stuart	2850-D2	0.02	0.22	0.22	0.11
Columbus Southern Power Co	J M Stuart	2850-D3	0.02	0.22	0.22	0.11
Columbus Southern Power Co	J M Stuart	2850-D4	0.02	0.22	0.22	0.11
Columbus Southern Power Co	W H Zimmer	6019-ST1	0.11	4.64	4.44	2.66
Ohio Power Co	Philip Sporn	3938-2	0.17	13.26	12.55	7.69
Ohio Power Co	Philip Sporn	3938-4	0.16	13.17	12.47	7.64
Ohio Power Co	Philip Sporn	3938-5	0.01	11.29	10.57	6.65
Columbus Southern Power Co	Walter C Beckjord	2830-6	0.22	14.46	13.73	8.36

Heatrate			
Utility	Name	ID	All Years
Columbus Southern Power Co	AEP Waterford Facility	55503-CTG1	7,000
Columbus Southern Power Co	AEP Waterford Facility	55503-CTG2	7,000
Columbus Southern Power Co	AEP Waterford Facility	55503-CTG3	7,000
Columbus Southern Power Co	AEP Waterford Facility	55503-ST1	7,000
Columbus Southern Power Co	Conesville	2840-3	10,319
Columbus Southern Power Co	Conesville	2840-4	9,429
Columbus Southern Power Co	Conesville	2840-5	10,073
Columbus Southern Power Co	Conesville	2840-6	10,339
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT1	9,000
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT2	9,000
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT3	9,000
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT4	9,000
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT5	9,000
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT6	9,000
Columbus Southern Power Co	Picway	2843-5	11,079
Ohio Power Co	General James M Gavin	8102-1	9,635
Ohio Power Co	General James M Gavin	8102-2	9,461
Ohio Power Co	Kammer	3947-1	9,128
Ohio Power Co	Kammer	3947-2	9,186
Ohio Power Co	Kammer	3947-3	9,189
Ohio Power Co	Mitchell	3948-1	9,319
Ohio Power Co	Mitchell	3948-2	9,319
Ohio Power Co	Muskingum River	2872-1	9,448
Ohio Power Co	Muskingum River	2872-2	9,403
Ohio Power Co	Muskingum River	2872-3	9,634
Ohio Power Co	Muskingum River	2872-4	9,140
Ohio Power Co	Muskingum River	2872-5	9,073
Ohio Power Co	Racine	6006-1	0
Ohio Power Co	Racine	6006-2	0
Ohio Power Co	Cardinal	2828-1	9000
Ohio Power Co	Cardinal	2828-2	8883
Ohio Power Co	Cardinal	2828-3	9705
Columbus Southern Power Co	Lawrenceburg Energy Facility	55502-100	7000
Columbus Southern Power Co	Lawrenceburg Energy Facility	55502-1100	7000
Columbus Southern Power Co	Lawrenceburg Energy Facility	55502-1200	7000
Columbus Southern Power Co	Lawrenceburg Energy Facility	55502-200	7000
Columbus Southern Power Co	Lawrenceburg Energy Facility	55502-2100	7000
Columbus Southern Power Co	Lawrenceburg Energy Facility	55502-2200	7000
Columbus Southern Power Co	J M Stuart	2850-1	9381
Columbus Southern Power Co	J M Stuart	2850-2	9162
Columbus Southern Power Co	J M Stuart	2850-3	9370
Columbus Southern Power Co	J M Stuart	2850-4	9289
Columbus Southern Power Co	J M Stuart	2850-D1	10850
Columbus Southern Power Co	J M Stuart	2850-D2	10850
Columbus Southern Power Co	J M Stuart	2850-D3	10850
Columbus Southern Power Co	J M Stuart	2850-D4	10850
Columbus Southern Power Co	W H Zimmer	6019-ST1	9522
Ohio Power Co	Philip Sporn	3938-2	9442
Ohio Power Co	Philip Sporn	3938-4	9417
Ohio Power Co	Philip Sporn	3938-5	8924
Columbus Southern Power Co	Walter C Beckjord	2830-6	9680

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Generation (MWh)						
Utility	Name	ID	2012	2013	2014	2015
Columbus Southern Power Co	AEP Waterford Facility	55503-CTG1	91535	390880	237405	137346
Columbus Southern Power Co	AEP Waterford Facility	55503-CTG2	91824	396036	233528	135169
Columbus Southern Power Co	AEP Waterford Facility	55503-CTG3	93162	394792	235954	133664
Columbus Southern Power Co	AEP Waterford Facility	55503-ST1	164716	684919	382437	267023
Columbus Southern Power Co	Conesville	2840-3	712654	0	0	0
Columbus Southern Power Co	Conesville	2840-4	5303353	5981921	5815234	5669040
Columbus Southern Power Co	Conesville	2840-5	1847456	2116493	2102868	2187103
Columbus Southern Power Co	Conesville	2840-6	1624418	1968090	1955571	2114720
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT1	16664	78870	31299	17891
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT2	16577	74689	32974	16585
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT3	11019	61214	21380	12324
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT4	11122	51104	22081	12521
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT5	10810	57515	20227	10695
Columbus Southern Power Co	Darby Electric Generating Station	55247-GT6	8384	48721	20866	7949
Columbus Southern Power Co	Picway	2843-5	24080	0	0	0
Ohio Power Co	General James M Gavin	8102-1	10434732	10406532	10403735	10402898
Ohio Power Co	General James M Gavin	8102-2	10435392	10406880	10405662	10406071
Ohio Power Co	Kammer	3947-1	984221	41252	53232	0
Ohio Power Co	Kammer	3947-2	950373	32004	40408	0
Ohio Power Co	Kammer	3947-3	951360	35962	45161	0
Ohio Power Co	Mitchell	3948-1	5300708	5815241	5658771	5369064
Ohio Power Co	Mitchell	3948-2	5483753	6014590	5837122	5681356
Ohio Power Co	Muskingum River	2872-1	1217146	0	0	0
Ohio Power Co	Muskingum River	2872-2	1216064	0	0	0
Ohio Power Co	Muskingum River	2872-3	1011517	55	0	0
Ohio Power Co	Muskingum River	2872-4	1401657	0	0	0
Ohio Power Co	Muskingum River	2872-5	3571926	13036	0	931515
Ohio Power Co	Racine	6006-1	17561	17504	17504	17504
Ohio Power Co	Racine	6006-2	17561	17504	17504	17504