

Confidential Release

Case Number: 99-1658-EL-ETP

**Date of Confidential Document:
DECEMBER 28, 1999**

Today's Date: JAN 18 2011

Confidential Release of information filed on behalf of
applicant by J. Gainer and M. Dortch.

Part 3
205 pages

This is to certify that the images appearing are an
accurate and complete reproduction of a case file
document delivered in the regular course of business.
Technician SJB Date Processed JAN 18 2011

Fuel Costs (with Environmental Adders)

WP
HWP-5

CO2 Tax Net Cost (1997 \$000)	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Beckjord 1	-	-	-	-	-	-	-	-	-	-	495	-	-	-
Beckjord 2	-	-	-	-	-	-	-	-	-	-	474	-	-	-
Beckjord 3	-	-	-	-	-	-	-	-	-	-	785	-	-	-
Beckjord 4	-	-	-	-	-	-	-	-	-	-	3,119	5,425	5,425	5,425
Beckjord 5	-	-	-	-	-	-	-	-	-	-	2,249	-	-	-
Beckjord 6	-	-	-	-	-	-	-	-	-	-	1,135	-	-	-
Beckjord GT1	-	-	-	-	-	-	-	-	-	-	15	-	-	-
Beckjord GT2	-	-	-	-	-	-	-	-	-	-	15	-	-	-
Beckjord GT3	-	-	-	-	-	-	-	-	-	-	12	-	-	-
Beckjord GT4	-	-	-	-	-	-	-	-	-	-	14	-	-	-
Conesville 4	-	-	-	-	-	-	-	-	-	-	7,416	12,696	12,696	12,696
Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	34	-	-	-
Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	5	-	-	-
Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	5	-	-	-
Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	5	-	-	-
East Bend 2	-	-	-	-	-	-	-	-	-	-	15,163	32,233	32,233	32,233
Killen Station 2	-	-	-	-	-	-	-	-	-	-	7,145	14,353	14,353	14,353
Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	5	-	-	-
Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	5	-	-	-
Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	4	-	-	-
Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	5	-	-	-
Miami Fort 5	-	-	-	-	-	-	-	-	-	-	185	-	-	-
Miami Fort 6	-	-	-	-	-	-	-	-	-	-	4,710	8,905	8,905	8,905
Miami Fort 7	-	-	-	-	-	-	-	-	-	-	9,510	17,160	17,160	17,160
Miami Fort 8	-	-	-	-	-	-	-	-	-	-	10,841	20,903	20,903	20,903
Stuart 1	-	-	-	-	-	-	-	-	-	-	7,258	14,117	14,117	14,117
Stuart 2	-	-	-	-	-	-	-	-	-	-	7,348	14,654	14,654	14,654
Stuart 3	-	-	-	-	-	-	-	-	-	-	6,847	12,971	12,971	12,971
Stuart 4	-	-	-	-	-	-	-	-	-	-	7,321	14,188	14,188	14,188
Woodsdale GT1	-	-	-	-	-	-	-	-	-	-	55	100	100	100
Woodsdale GT2	-	-	-	-	-	-	-	-	-	-	54	97	97	97
Woodsdale GT3	-	-	-	-	-	-	-	-	-	-	55	115	115	115
Woodsdale GT4	-	-	-	-	-	-	-	-	-	-	58	118	118	118
Woodsdale GT5	-	-	-	-	-	-	-	-	-	-	58	114	114	114
Woodsdale GT6	-	-	-	-	-	-	-	-	-	-	53	116	116	116
Zimmer 1	-	-	-	-	-	-	-	-	-	-	21,137	45,154	45,154	45,154
Total	-	-	-	-	-	-	-	-	-	-	113,693	213,415	213,415	213,415

CONFIDENTIAL PROPRIETARY
TRADE SECRET

Fuel Costs (with Environmental Adders)

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Total Fuel Cost (1997 \$000)														
Beckjord 1	-	-	2,934	3,095	3,264	3,399	3,538	3,675	3,815	3,958	1,126	-	-	-
Beckjord 2	-	-	2,656	2,933	3,238	3,360	3,485	3,608	3,733	3,859	1,078	-	-	-
Beckjord 3	-	-	6,595	5,353	4,345	4,501	4,659	4,812	4,967	5,123	1,785	-	-	-
Beckjord 4	-	-	10,024	9,514	9,031	8,981	8,926	8,854	8,777	8,693	7,083	6,135	6,135	6,135
Beckjord 5	-	-	15,261	14,125	13,073	13,008	12,934	12,838	12,730	12,614	5,115	-	-	-
Beckjord 6	-	-	8,215	7,686	7,192	7,315	7,436	7,545	7,649	7,749	2,581	-	-	-
Beckjord GT1	-	-	29	72	182	207	236	269	307	349	163	-	-	-
Beckjord GT2	-	-	29	72	182	207	235	267	304	346	161	-	-	-
Beckjord GT3	-	-	29	72	182	206	234	265	301	341	135	-	-	-
Beckjord GT4	-	-	29	73	184	208	235	265	300	339	155	-	-	-
Conesville 4	-	-	18,641	18,339	18,042	17,428	15,380	14,761	14,138	13,514	10,592	8,914	8,914	8,914
Dicks Creek 1	-	-	76	174	403	438	476	518	564	613	297	-	-	-
Dicks Creek 3	-	-	12	27	63	69	75	82	89	97	46	-	-	-
Dicks Creek 4	-	-	8	23	62	72	85	99	115	135	55	-	-	-
Dicks Creek 5	-	-	8	23	62	72	85	99	115	135	55	-	-	-
East Bend 2	-	-	29,523	28,823	28,139	27,510	26,879	26,244	25,608	24,964	22,629	23,433	23,433	23,433
Killen Station 2	-	-	16,089	16,128	16,187	16,191	16,204	16,194	16,171	16,135	14,828	14,780	14,780	14,780
Miami Fort GT3	-	-	8	22	58	67	79	92	108	126	53	-	-	-
Miami Fort GT4	-	-	8	19	46	56	69	84	104	127	54	-	-	-
Miami Fort GT5	-	-	8	22	58	64	71	79	88	98	47	-	-	-
Miami Fort GT6	-	-	8	22	58	68	79	93	109	127	54	-	-	-
Miami Fort 5	-	-	901	670	497	593	705	834	985	1,161	310	-	-	-
Miami Fort 6	-	-	11,219	10,936	10,660	10,394	10,120	9,804	9,480	9,149	7,898	7,291	7,291	7,291
Miami Fort 7	-	-	20,033	20,540	21,059	20,848	20,607	20,278	19,915	19,517	15,940	14,050	14,050	14,050
Miami Fort 8	-	-	23,264	24,456	25,708	25,886	26,047	26,173	26,280	26,366	23,056	21,857	21,857	21,857
Stuart 1	-	-	17,807	17,710	17,613	17,570	17,514	17,430	17,332	17,219	15,506	15,003	15,003	15,003
Stuart 2	-	-	17,395	17,483	17,571	17,491	17,397	17,277	17,142	16,994	15,694	15,574	15,574	15,574
Stuart 3	-	-	17,659	17,617	17,576	17,429	17,271	17,087	16,891	16,681	14,629	13,785	13,785	13,785
Stuart 4	-	-	17,688	17,881	18,100	18,005	17,899	17,785	17,616	17,453	15,842	15,079	15,079	15,079
Woodsdale GT1	-	-	80	185	427	447	488	490	513	537	488	449	449	449
Woodsdale GT2	-	-	84	190	432	450	469	489	510	532	479	436	436	436
Woodsdale GT3	-	-	82	186	428	433	440	448	455	463	485	514	514	514
Woodsdale GT4	-	-	80	175	381	404	428	454	482	511	512	519	519	519
Woodsdale GT5	-	-	76	180	422	440	458	477	496	517	511	513	513	513
Woodsdale GT6	-	-	78	176	406	409	413	416	420	423	466	519	519	519
Zimmer 1	-	-	39,275	38,580	37,898	37,104	36,303	35,493	34,675	33,849	30,853	32,202	32,202	32,202
Total	-	-	275,888	273,581	273,205	271,330	267,940	265,659	263,283	260,816	210,569	191,052	191,052	191,052

CONFIDENTIAL PROPRIETARY
TRADE SECRET

Fuel Costs (with Environmental Adders)

WP
HWP-5

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
SO2 Allowance Net Cost (1997 \$000)													
Beckjord 1	(185)	(185)	(185)	(185)	(185)	(185)	(185)	(185)	(185)	(185)	(185)	(185)	(185)
Beckjord 2	(279)	(279)	(279)	(279)	(279)	(279)	(279)	(279)	(279)	(279)	(279)	(279)	(279)
Beckjord 3	(423)	(423)	(423)	(423)	(423)	(423)	(423)	(423)	(423)	(423)	(423)	(423)	(423)
Beckjord 4	(30)	(841)	(841)	(841)	(841)	(841)	(841)	(841)	(841)	(841)	(841)	(841)	(841)
Beckjord 5	(1,519)	(1,519)	(1,519)	(1,519)	(1,519)	(1,519)	(1,519)	(1,519)	(1,519)	(1,519)	(1,519)	(1,519)	(1,519)
Beckjord 6	(1,430)	(1,430)	(1,430)	(1,430)	(1,430)	(1,430)	(1,430)	(1,430)	(1,430)	(1,430)	(1,430)	(1,430)	(1,430)
Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-	-
Conesville 4	7,495	7,495	7,495	7,495	7,495	7,495	7,495	2,095	(3,305)	(3,305)	(3,305)	(3,305)	(3,305)
Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-	-
East Bend 2	(2,029)	(2,029)	(2,029)	(2,029)	(2,029)	(2,029)	(2,029)	(2,029)	(3,553)	(5,076)	(5,076)	(5,076)	(5,076)
Killen Station 2	1,367	1,367	1,367	1,367	1,367	1,367	1,367	1,367	1,367	1,367	1,367	1,367	(261)
Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort 5	(112)	(112)	(112)	(112)	(112)	(112)	(112)	(112)	(112)	(112)	(112)	(112)	(112)
Miami Fort 6	2,865	2,865	488	(1,932)	(1,932)	(1,932)	(1,932)	(1,932)	(1,932)	(1,932)	(1,932)	(1,932)	(1,932)
Miami Fort 7	5,056	5,056	434	(4,189)	(4,189)	(4,189)	(4,189)	(4,189)	(4,189)	(4,189)	(4,189)	(4,189)	(4,189)
Miami Fort 8	164	164	164	164	164	(2,206)	(4,577)	(4,577)	(4,577)	(4,577)	(4,577)	(4,577)	(4,577)
Stuart 1	1,178	1,178	1,178	1,178	1,178	1,178	1,178	1,178	(956)	(3,091)	(3,091)	(3,091)	(3,091)
Stuart 2	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	(716)	(2,932)	(2,932)	(2,932)	(2,932)
Stuart 3	1,067	1,067	1,067	1,067	1,067	1,067	1,067	1,067	(895)	(2,856)	(2,856)	(2,856)	(2,856)
Stuart 4	1,173	1,173	1,173	1,173	1,173	1,173	1,173	1,173	(972)	(3,118)	(3,118)	(3,118)	(3,118)
Woodsdale GT1	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)
Woodsdale GT2	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)
Woodsdale GT3	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)
Woodsdale GT4	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)
Woodsdale GT5	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)
Woodsdale GT6	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)
Zimmer 1	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652
Total	16,814	16,002	8,981	1,960	1,960	(411)	(2,782)	(8,182)	(23,563)	(33,544)	(33,544)	(33,544)	(35,172)

CONFIDENTIAL PROPRIETARY
TRADE SECRET

Fuel Costs (with Environmental Adders)

WP
HWP-5

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
NOx Allowance Net Cost (1997 \$000)													
Beckjord 1	(102)	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 2	(98)	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 3	(162)	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 4	(12)	(559)	(559)	(559)	(280)	-	-	-	-	-	-	-	-
Beckjord 5	(464)	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 8	(234)	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT1	(4)	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT2	(4)	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT3	(3)	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT4	(4)	-	-	-	-	-	-	-	-	-	-	-	-
Conesville 4	(888)	(668)	(668)	(668)	(668)	(668)	(668)	(989)	(1,309)	(1,309)	(1,309)	(655)	-
Dicks Creek 1	(12)	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 3	(2)	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 4	(1)	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 5	(1)	-	-	-	-	-	-	-	-	-	-	-	-
East Bend 2	(1,770)	(1,967)	(1,967)	(1,967)	(1,967)	(1,967)	(1,967)	(1,967)	(2,645)	(3,324)	(3,324)	(3,324)	(1,662)
Killen Station 2	(567)	(574)	(574)	(574)	(574)	(574)	(574)	(574)	(574)	(574)	(574)	(574)	(1,027)
Miami Fort GT3	(1)	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT4	(1)	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT5	(1)	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT6	(1)	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort 5	(38)	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort 6	465	518	(200)	(918)	(918)	(918)	(459)	-	-	-	-	-	-
Miami Fort 7	(1,070)	(879)	(1,324)	(1,769)	(1,769)	(1,769)	(885)	-	-	-	-	-	-
Miami Fort 8	(1,188)	(1,085)	(1,085)	(1,085)	(1,085)	(1,620)	(2,155)	(2,155)	(2,155)	(1,078)	-	-	-
Stuart 1	(110)	(69)	(69)	(69)	(69)	(69)	(69)	(69)	(762)	(1,456)	(1,456)	(1,456)	(728)
Stuart 2	(76)	(72)	(72)	(72)	(72)	(72)	(72)	(72)	(791)	(1,511)	(1,511)	(1,511)	(755)
Stuart 3	(138)	(64)	(64)	(64)	(64)	(64)	(64)	(64)	(701)	(1,337)	(1,337)	(1,337)	(669)
Stuart 4	(316)	(269)	(269)	(269)	(269)	(269)	(269)	(269)	(866)	(1,463)	(1,463)	(1,463)	(731)
Woodsdale GT1	(8)	(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)
Woodsdale GT2	(8)	(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)
Woodsdale GT3	(6)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)
Woodsdale GT4	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)
Woodsdale GT5	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)
Woodsdale GT6	(5)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)
Zimmer 1	(2,142)	(2,439)	(2,439)	(2,439)	(2,439)	(2,439)	(2,439)	(2,439)	(2,439)	(2,439)	(2,439)	(2,439)	(2,439)
Total	(8,985)	(8,165)	(9,328)	(10,492)	(10,212)	(10,468)	(9,659)	(8,636)	(12,282)	(14,529)	(13,451)	(12,797)	(8,050)

CONFIDENTIAL PROPRIETARY
TRADE SECRET

Fuel Costs (with Environmental Adders)

WP
HWP-5

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
CO2 Tax Net Cost (1997 \$000)													
Beckjord 1	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 2	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 3	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 4	2,712	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 5	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 6	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-	-
Conesville 4	12,696	12,696	12,696	12,696	12,696	12,696	12,696	6,348	-	-	-	-	-
Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-	-
East Bend 2	32,233	32,233	32,233	32,233	32,233	32,233	32,233	32,233	16,116	-	-	-	-
Killen Station 2	14,353	14,353	14,353	14,353	14,353	14,353	14,353	14,353	14,353	14,353	14,353	14,353	7,176
Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort 5	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort 6	8,905	8,905	4,453	-	-	-	-	-	-	-	-	-	-
Miami Fort 7	17,160	17,160	8,580	-	-	-	-	-	-	-	-	-	-
Miami Fort 8	20,903	20,903	20,903	20,903	20,903	10,451	-	-	-	-	-	-	-
Stuart 1	14,117	14,117	14,117	14,117	14,117	14,117	14,117	14,117	7,059	-	-	-	-
Stuart 2	14,654	14,654	14,654	14,654	14,654	14,654	14,654	14,654	7,327	-	-	-	-
Stuart 3	12,971	12,971	12,971	12,971	12,971	12,971	12,971	12,971	6,485	-	-	-	-
Stuart 4	14,188	14,188	14,188	14,188	14,188	14,188	14,188	14,188	7,094	-	-	-	-
Woodsdale GT1	100	100	100	100	100	100	100	100	100	100	100	100	100
Woodsdale GT2	97	97	97	97	97	97	97	97	97	97	97	97	97
Woodsdale GT3	115	115	115	115	115	115	115	115	115	115	115	115	115
Woodsdale GT4	116	116	116	116	116	116	116	116	116	116	116	116	116
Woodsdale GT5	114	114	114	114	114	114	114	114	114	114	114	114	114
Woodsdale GT6	118	116	116	116	116	116	116	116	116	116	116	116	116
Zimmer 1	45,154	45,154	45,154	45,154	45,154	45,154	45,154	45,154	45,154	45,154	45,154	45,154	45,154
Total	210,703	207,990	194,958	181,926	181,926	171,474	161,023	154,675	104,246	60,165	60,165	60,165	52,989

CONFIDENTIAL PROPRIETARY
TRADE SECRET

Fuel Costs (with Environmental Adders)

WP
HWP-5

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Total Fuel Cost (1997 \$000)													
Beckjord 1	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 2	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 3	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 4	3,068	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 5	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 6	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-	-
Conesville 4	8,914	8,914	8,914	8,914	8,914	8,914	8,914	4,457	-	-	-	-	-
Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-	-
East Bend 2	23,433	23,433	23,433	23,433	23,433	23,433	23,433	23,433	11,716	-	-	-	-
Killen Station 2	14,780	14,780	14,780	14,780	14,780	14,780	14,780	14,780	14,780	14,780	14,780	14,780	7,390
Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort 5	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort 6	7,291	7,291	3,646	-	-	-	-	-	-	-	-	-	-
Miami Fort 7	14,050	14,050	7,025	-	-	-	-	-	-	-	-	-	-
Miami Fort 8	21,857	21,857	21,857	21,857	21,857	10,928	-	-	-	-	-	-	-
Stuart 1	15,003	15,003	15,003	15,003	15,003	15,003	15,003	15,003	7,502	-	-	-	-
Stuart 2	15,574	15,574	15,574	15,574	15,574	15,574	15,574	15,574	7,787	-	-	-	-
Stuart 3	13,785	13,785	13,785	13,785	13,785	13,785	13,785	13,785	6,892	-	-	-	-
Stuart 4	15,079	15,079	15,079	15,079	15,079	15,079	15,079	15,079	7,539	-	-	-	-
Woodsdale GT1	449	449	449	449	449	449	449	449	449	449	449	449	449
Woodsdale GT2	436	436	436	436	436	436	436	436	436	436	436	436	436
Woodsdale GT3	514	514	514	514	514	514	514	514	514	514	514	514	514
Woodsdale GT4	519	519	519	519	519	519	519	519	519	519	519	519	519
Woodsdale GT5	513	513	513	513	513	513	513	513	513	513	513	513	513
Woodsdale GT6	519	519	519	519	519	519	519	519	519	519	519	519	519
Zimmer 1	32,202	32,202	32,202	32,202	32,202	32,202	32,202	32,202	32,202	32,202	32,202	32,202	32,202
Total	187,984	184,916	174,246	163,575	163,575	152,647	141,719	137,262	91,368	49,932	49,932	49,932	42,542

CONFIDENTIAL PROPRIETARY
TRADE SECRET

Fuel Costs (with Environmental Adders)

	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>	<u>2033</u>	<u>2034</u>	<u>2035</u>
SO2 Allowance Net Cost (1997 \$000)										
Beckjord 1	(185)	(185)	(185)	(185)	(185)	(185)	(185)	(185)	(185)	(185)
Beckjord 2	(279)	(279)	(279)	(279)	(279)	(279)	(279)	(279)	(279)	(279)
Beckjord 3	(423)	(423)	(423)	(423)	(423)	(423)	(423)	(423)	(423)	(423)
Beckjord 4	(841)	(841)	(841)	(841)	(841)	(841)	(841)	(841)	(841)	(841)
Beckjord 5	(1,519)	(1,519)	(1,519)	(1,519)	(1,519)	(1,519)	(1,519)	(1,519)	(1,519)	(1,519)
Beckjord 6	(1,430)	(1,430)	(1,430)	(1,430)	(1,430)	(1,430)	(1,430)	(1,430)	(1,430)	(1,430)
Beckjord GT1	-	-	-	-	-	-	-	-	-	-
Beckjord GT2	-	-	-	-	-	-	-	-	-	-
Beckjord GT3	-	-	-	-	-	-	-	-	-	-
Beckjord GT4	-	-	-	-	-	-	-	-	-	-
Conesville 4	(3,305)	(3,305)	(3,305)	(3,305)	(3,305)	(3,305)	(3,305)	(3,305)	(3,305)	(3,305)
Dicks Creek 1	-	-	-	-	-	-	-	-	-	-
Dicks Creek 3	-	-	-	-	-	-	-	-	-	-
Dicks Creek 4	-	-	-	-	-	-	-	-	-	-
Dicks Creek 5	-	-	-	-	-	-	-	-	-	-
East Bend 2	(5,076)	(5,076)	(5,076)	(5,076)	(5,076)	(5,076)	(5,076)	(5,076)	(5,076)	(5,076)
Killen Station 2	(1,889)	(1,889)	(1,889)	(1,889)	(1,889)	(1,889)	(1,889)	(1,889)	(1,889)	(1,889)
Miami Fort GT3	-	-	-	-	-	-	-	-	-	-
Miami Fort GT4	-	-	-	-	-	-	-	-	-	-
Miami Fort GT5	-	-	-	-	-	-	-	-	-	-
Miami Fort GT6	-	-	-	-	-	-	-	-	-	-
Miami Fort 5	(112)	(112)	(112)	(112)	(112)	(112)	(112)	(112)	(112)	(112)
Miami Fort 6	(1,932)	(1,932)	(1,932)	(1,932)	(1,932)	(1,932)	(1,932)	(1,932)	(1,932)	(1,932)
Miami Fort 7	(4,189)	(4,189)	(4,189)	(4,189)	(4,189)	(4,189)	(4,189)	(4,189)	(4,189)	(4,189)
Miami Fort 8	(4,577)	(4,577)	(4,577)	(4,577)	(4,577)	(4,577)	(4,577)	(4,577)	(4,577)	(4,577)
Stuart 1	(3,091)	(3,091)	(3,091)	(3,091)	(3,091)	(3,091)	(3,091)	(3,091)	(3,091)	(3,091)
Stuart 2	(2,932)	(2,932)	(2,932)	(2,932)	(2,932)	(2,932)	(2,932)	(2,932)	(2,932)	(2,932)
Stuart 3	(2,856)	(2,856)	(2,856)	(2,856)	(2,856)	(2,856)	(2,856)	(2,856)	(2,856)	(2,856)
Stuart 4	(3,118)	(3,118)	(3,118)	(3,118)	(3,118)	(3,118)	(3,118)	(3,118)	(3,118)	(3,118)
Woodsdale GT1	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)
Woodsdale GT2	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)
Woodsdale GT3	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)
Woodsdale GT4	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)
Woodsdale GT5	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)
Woodsdale GT6	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)	(116)
Zimmer 1	1,652	1,652	1,652	1,652	1,652	(652)	(2,957)	(2,957)	(2,957)	(2,957)
Total	(36,800)	(36,800)	(36,800)	(36,800)	(36,800)	(39,104)	(41,409)	(41,409)	(41,409)	(41,409)

**CONFIDENTIAL PROPRIETARY
TRADE SECRET**

Fuel Costs (with Environmental Adders)

WP
HWP-5

	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>	<u>2033</u>	<u>2034</u>	<u>2035</u>
NOx Allowance Net Cost (1997 \$000)										
Beckjord 1	-	-	-	-	-	-	-	-	-	-
Beckjord 2	-	-	-	-	-	-	-	-	-	-
Beckjord 3	-	-	-	-	-	-	-	-	-	-
Beckjord 4	-	-	-	-	-	-	-	-	-	-
Beckjord 5	-	-	-	-	-	-	-	-	-	-
Beckjord 6	-	-	-	-	-	-	-	-	-	-
Beckjord GT1	-	-	-	-	-	-	-	-	-	-
Beckjord GT2	-	-	-	-	-	-	-	-	-	-
Beckjord GT3	-	-	-	-	-	-	-	-	-	-
Beckjord GT4	-	-	-	-	-	-	-	-	-	-
Conesville 4	-	-	-	-	-	-	-	-	-	-
Dicks Creek 1	-	-	-	-	-	-	-	-	-	-
Dicks Creek 3	-	-	-	-	-	-	-	-	-	-
Dicks Creek 4	-	-	-	-	-	-	-	-	-	-
Dicks Creek 5	-	-	-	-	-	-	-	-	-	-
East Bend 2	-	-	-	-	-	-	-	-	-	-
Killen Station 2	(1,480)	(1,480)	(1,480)	(740)	-	-	-	-	-	-
Miami Fort GT3	-	-	-	-	-	-	-	-	-	-
Miami Fort GT4	-	-	-	-	-	-	-	-	-	-
Miami Fort GT5	-	-	-	-	-	-	-	-	-	-
Miami Fort GT6	-	-	-	-	-	-	-	-	-	-
Miami Fort 5	-	-	-	-	-	-	-	-	-	-
Miami Fort 6	-	-	-	-	-	-	-	-	-	-
Miami Fort 7	-	-	-	-	-	-	-	-	-	-
Miami Fort 8	-	-	-	-	-	-	-	-	-	-
Stuart 1	-	-	-	-	-	-	-	-	-	-
Stuart 2	-	-	-	-	-	-	-	-	-	-
Stuart 3	-	-	-	-	-	-	-	-	-	-
Stuart 4	-	-	-	-	-	-	-	-	-	-
Woodsdale GT1	(6)	(6)	(12)	(18)	(18)	(18)	(9)	-	-	-
Woodsdale GT2	(6)	(12)	(18)	(18)	(18)	(9)	-	-	-	-
Woodsdale GT3	(7)	(14)	(21)	(21)	(21)	(11)	-	-	-	-
Woodsdale GT4	(7)	(14)	(21)	(21)	(21)	(11)	-	-	-	-
Woodsdale GT5	(7)	(14)	(21)	(21)	(21)	(10)	-	-	-	-
Woodsdale GT6	(7)	(14)	(21)	(21)	(21)	(11)	-	-	-	-
Zimmer 1	(2,439)	(2,439)	(2,439)	(2,439)	(2,439)	(3,547)	(4,656)	(4,656)	(4,656)	(2,328)
Total	(3,957)	(3,992)	(4,033)	(3,299)	(2,559)	(3,817)	(4,865)	(4,866)	(4,866)	(2,328)

CONFIDENTIAL PROPRIETARY
TRADE SECRET

Fuel Costs (with Environmental Adders)

WP
HWP-5

CO2 Tax Net Cost (1997 \$000)	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Beckjord 1	-	-	-	-	-	-	-	-	-	-
Beckjord 2	-	-	-	-	-	-	-	-	-	-
Beckjord 3	-	-	-	-	-	-	-	-	-	-
Beckjord 4	-	-	-	-	-	-	-	-	-	-
Beckjord 5	-	-	-	-	-	-	-	-	-	-
Beckjord 6	-	-	-	-	-	-	-	-	-	-
Beckjord GT1	-	-	-	-	-	-	-	-	-	-
Beckjord GT2	-	-	-	-	-	-	-	-	-	-
Beckjord GT3	-	-	-	-	-	-	-	-	-	-
Beckjord GT4	-	-	-	-	-	-	-	-	-	-
Conesville 4	-	-	-	-	-	-	-	-	-	-
Dicks Creek 1	-	-	-	-	-	-	-	-	-	-
Dicks Creek 3	-	-	-	-	-	-	-	-	-	-
Dicks Creek 4	-	-	-	-	-	-	-	-	-	-
Dicks Creek 5	-	-	-	-	-	-	-	-	-	-
East Bend 2	-	-	-	-	-	-	-	-	-	-
Killen Station 2	-	-	-	-	-	-	-	-	-	-
Miami Fort GT3	-	-	-	-	-	-	-	-	-	-
Miami Fort GT4	-	-	-	-	-	-	-	-	-	-
Miami Fort GT5	-	-	-	-	-	-	-	-	-	-
Miami Fort GT6	-	-	-	-	-	-	-	-	-	-
Miami Fort 5	-	-	-	-	-	-	-	-	-	-
Miami Fort 6	-	-	-	-	-	-	-	-	-	-
Miami Fort 7	-	-	-	-	-	-	-	-	-	-
Miami Fort 8	-	-	-	-	-	-	-	-	-	-
Stuart 1	-	-	-	-	-	-	-	-	-	-
Stuart 2	-	-	-	-	-	-	-	-	-	-
Stuart 3	-	-	-	-	-	-	-	-	-	-
Stuart 4	-	-	-	-	-	-	-	-	-	-
Woodsdale GT1	100	100	50	-	-	-	-	-	-	-
Woodsdale GT2	97	49	-	-	-	-	-	-	-	-
Woodsdale GT3	115	57	-	-	-	-	-	-	-	-
Woodsdale GT4	116	58	-	-	-	-	-	-	-	-
Woodsdale GT5	114	57	-	-	-	-	-	-	-	-
Woodsdale GT6	118	58	-	-	-	-	-	-	-	-
Zimmer 1	45,154	45,154	45,154	45,154	45,154	22,577	-	-	-	-
Total	45,812	45,533	45,204	45,154	45,154	22,577	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

Fuel Costs (with Environmental Adders)

WP
HWP-5

	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>	<u>2033</u>	<u>2034</u>	<u>2035</u>
Total Fuel Cost (1997 \$000)										
Beckjord 1	-	-	-	-	-	-	-	-	-	-
Beckjord 2	-	-	-	-	-	-	-	-	-	-
Beckjord 3	-	-	-	-	-	-	-	-	-	-
Beckjord 4	-	-	-	-	-	-	-	-	-	-
Beckjord 5	-	-	-	-	-	-	-	-	-	-
Beckjord 6	-	-	-	-	-	-	-	-	-	-
Beckjord GT1	-	-	-	-	-	-	-	-	-	-
Beckjord GT2	-	-	-	-	-	-	-	-	-	-
Beckjord GT3	-	-	-	-	-	-	-	-	-	-
Beckjord GT4	-	-	-	-	-	-	-	-	-	-
Conesville 4	-	-	-	-	-	-	-	-	-	-
Dicks Creek 1	-	-	-	-	-	-	-	-	-	-
Dicks Creek 3	-	-	-	-	-	-	-	-	-	-
Dicks Creek 4	-	-	-	-	-	-	-	-	-	-
Dicks Creek 5	-	-	-	-	-	-	-	-	-	-
East Bend 2	-	-	-	-	-	-	-	-	-	-
Killen Station 2	-	-	-	-	-	-	-	-	-	-
Miami Fort GT3	-	-	-	-	-	-	-	-	-	-
Miami Fort GT4	-	-	-	-	-	-	-	-	-	-
Miami Fort GT5	-	-	-	-	-	-	-	-	-	-
Miami Fort GT6	-	-	-	-	-	-	-	-	-	-
Miami Fort 5	-	-	-	-	-	-	-	-	-	-
Miami Fort 6	-	-	-	-	-	-	-	-	-	-
Miami Fort 7	-	-	-	-	-	-	-	-	-	-
Miami Fort 8	-	-	-	-	-	-	-	-	-	-
Stuart 1	-	-	-	-	-	-	-	-	-	-
Stuart 2	-	-	-	-	-	-	-	-	-	-
Stuart 3	-	-	-	-	-	-	-	-	-	-
Stuart 4	-	-	-	-	-	-	-	-	-	-
Woodsdale GT1	449	449	224	-	-	-	-	-	-	-
Woodsdale GT2	436	218	-	-	-	-	-	-	-	-
Woodsdale GT3	514	257	-	-	-	-	-	-	-	-
Woodsdale GT4	519	260	-	-	-	-	-	-	-	-
Woodsdale GT5	513	256	-	-	-	-	-	-	-	-
Woodsdale GT6	519	259	-	-	-	-	-	-	-	-
Zimmer 1	32,202	32,202	32,202	32,202	32,202	16,101	-	-	-	-
Total	35,152	33,901	32,426	32,202	32,202	16,101	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

Coal Washing Costs

WP
HWP-5

Summary of Coal Washing Costs

Inflation Factor (\$97 to \$Nominal)

1.0222 1.0477 1.0739 1.1008 1.1283 1.1565

Plant Name

1999 2000 2001 2002 2003 2004

Conesville

Tons (000s)

Washer Cost (\$1999/Ton)

Washer Cost (\$1997/Ton)

Total Washer Cost (1997 \$000)

	1999	2000	2001	2002	2003	2004
Tons (000s)			1,860	1,860	1,860	1,860
Washer Cost (\$1999/Ton)	3.00	3.00	3.00	3.00	3.00	3.00
Washer Cost (\$1997/Ton)	2.93	2.93	2.93	2.93	2.93	2.93
Total Washer Cost (1997 \$000)	-	-	5,459	5,459	5,459	5,459

Total

Total Washer Cost (1997 \$000)

Total Tons (000s) --Prewashed

	2001	2002	2003	2004
Total Washer Cost (1997 \$000)	5,459	5,459	5,459	5,459
Total Tons (000s) --Prewashed	1,860	1,860	1,860	1,860

Share per Unit

65.3%

Total Washer Cost (1997 \$000)

Total Tons (000s) --Prewashed

	2001	2002	2003	2004
Total Washer Cost (1997 \$000)	3,563	3,563	3,563	3,563
Total Tons (000s) --Prewashed	1,214	1,214	1,214	1,214

CGE Share of Unit

40.0%

Total Washer Cost (1997 \$000)

Total Tons (000s) --Prewashed

	2001	2002	2003	2004
Total Washer Cost (1997 \$000)	1,425	1,425	1,425	1,425
Total Tons (000s) --Prewashed	486	486	486	486

Source: Cinergy Fuel Department

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	<u>1999</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>
	SO2 Allowance Price \$1997											
\$/Ton	\$ -	\$ -	\$ 197	\$ 213	\$ 231	\$ 250	\$ 270	\$ 291	\$ 314	\$ 338	\$ 365	\$ 393
\$/lb	\$ -	\$ -	\$ 0.10	\$ 0.11	\$ 0.12	\$ 0.12	\$ 0.14	\$ 0.15	\$ 0.16	\$ 0.17	\$ 0.18	\$ 0.20
	NOx Allowance Price \$1997											
\$/Ton	\$ -	\$ -	\$ 3,000	\$ 3,000	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500
\$/lb	\$ -	\$ -	\$ 1.50	\$ 1.50	\$ 1.75	\$ 1.75	\$ 1.75	\$ 1.75	\$ 1.75	\$ 1.75	\$ 1.75	\$ 1.75
	CO2 Tax \$1997											
\$/Ton	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5	\$ 10
\$/lb	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.00	\$ 0.01

**CONFIDENTIAL PROPRIETARY
TRADE SECRET**

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Beckjord 1												
Retire Year		2009										
Unit Type		Coal										
NOx Scenario Start Year		2003										
Maps												
Base Fuel	\$ -	\$ -	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.20	\$ 1.19	\$ 1.19	\$ 1.18	\$ 1.18
SO2 Rate	-	-	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder	\$ -	\$ -	\$ 0.16	\$ 0.17	\$ 0.18	\$ 0.20	\$ 0.21	\$ 0.23	\$ 0.25	\$ 0.27	\$ 0.29	\$ 0.31
CO2 Rate	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.52	\$ 1.04
Total less NOx	\$ -	\$ -	\$ 1.36	\$ 1.37	\$ 1.39	\$ 1.40	\$ 1.42	\$ 1.43	\$ 1.44	\$ 1.48	\$ 1.89	\$ 2.53
Base Fuel	\$ -	\$ -	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.20	\$ 1.19	\$ 1.19	\$ 1.18	\$ 1.18
SO2 Rate (Base)	-	-	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Base Fuel (ozone)	\$ -	\$ -	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.20	\$ 1.19	\$ 1.19	\$ 1.18	\$ 1.18
SO2 Rate (ozone)	-	-	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder (ozone)	\$ -	\$ -	\$ 0.16	\$ 0.17	\$ 0.18	\$ 0.20	\$ 0.21	\$ 0.23	\$ 0.25	\$ 0.27	\$ 0.29	\$ 0.31
NOx Rate (ozone)	-	-	-	-	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.51	\$ 0.51	\$ 0.51	\$ 0.51	\$ 0.51	\$ 0.51	\$ 0.51	\$ 0.51
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.52	\$ 1.04
Total with NOx	\$ -	\$ -	\$ 1.36	\$ 1.37	\$ 1.90	\$ 1.91	\$ 1.93	\$ 1.94	\$ 1.95	\$ 1.97	\$ 2.50	\$ 3.04
Weighted Avg	\$ -	\$ -	\$ 1.36	\$ 1.37	\$ 1.60	\$ 1.62	\$ 1.63	\$ 1.64	\$ 1.66	\$ 1.67	\$ 2.20	\$ 2.74
Maps Generation (MWh)	-	-	230,947	238,806	246,933	259,487	272,680	286,543	301,111	316,420	185,295	108,509
Maps Required Fuel w/adders (1997 \$000s)	-	-	3,313	3,528	4,332	4,553	4,785	5,029	5,286	5,556	2,098	-
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	1.36	1.37	1.60	1.62	1.63	1.64	1.66	1.67	2.20	2.74
Maps Req. Spot Purchases (MMBtu) -- Beckjord 1	-	-	2,433,788	2,565,861	2,705,090	2,815,666	2,928,807	3,059,242	3,193,032	3,329,965	952,701	-
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	1.21	1.21	1.21	1.21	1.21	1.20	1.19	1.19	1.18	1.18
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	2,934	3,095	3,264	3,399	3,538	3,675	3,815	3,958	1,126	-
Spot Purchases	-	-	2,433,788	2,565,861	2,705,090	2,815,666	2,928,807	3,059,242	3,193,032	3,329,965	952,701	-
MMBtu	-	-	2,433,788	2,565,861	2,705,090	2,815,666	2,928,807	3,059,242	3,193,032	3,329,965	952,701	-
Cost of Spot Purchases (1997 \$000)	-	-	2,934	3,095	3,264	3,399	3,538	3,675	3,815	3,958	1,126	-
Total Fuel Cost-- Beckjord 1	-	-	2,934	3,095	3,264	3,399	3,538	3,675	3,815	3,958	1,126	-
SO2 Emissions (Tons) -- Beckjord 1	-	-	1,927	2,031	2,142	2,229	2,319	2,422	2,528	2,636	754	-
Seasonal NOx Emissions (Tons) -- Beckjord 1	-	-	-	-	164	171	178	185	194	202	58	-
CO2 Emissions (Tons) -- Beckjord 1	-	-	-	-	-	-	-	-	-	-	99,033	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord 1	-	-	379	433	494	556	626	706	793	892	275	-
NOx Allowances Consumed (1997 \$000) -- Beckjord 1	-	-	-	-	574	697	821	949	1,078	1,207	202	-
CO2 Taxes (1997 \$000) -- Beckjord 1	-	-	-	-	-	-	-	-	-	-	495	-
Recalculation of cost w/ adders	-	-	3,313	3,528	4,332	4,553	4,785	5,029	5,286	5,556	2,098	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Beckjord 2												
Retire Year		2009										
Unit Type		Coal										
NOx Scenario Start Year		2003										
Maps												
Base Fuel	\$ -	\$ -	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.20	\$ 1.19	\$ 1.19	\$ 1.18	\$ 1.18
SO2 Rate	-	-	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder	\$ -	\$ -	\$ 0.16	\$ 0.17	\$ 0.18	\$ 0.20	\$ 0.21	\$ 0.23	\$ 0.25	\$ 0.27	\$ 0.29	\$ 0.31
CO2 Rate	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.52	\$ 1.04
Total less NOx	\$ -	\$ -	\$ 1.36	\$ 1.37	\$ 1.39	\$ 1.40	\$ 1.42	\$ 1.43	\$ 1.44	\$ 1.46	\$ 1.48	\$ 2.53
Base Fuel	\$ -	\$ -	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.20	\$ 1.19	\$ 1.19	\$ 1.18	\$ 1.18
SO2 Rate (Base)	-	-	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Base Fuel (ozone)	\$ -	\$ -	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.20	\$ 1.19	\$ 1.19	\$ 1.18	\$ 1.18
SO2 Rate (ozone)	-	-	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder (ozone)	\$ -	\$ -	\$ 0.16	\$ 0.17	\$ 0.18	\$ 0.20	\$ 0.21	\$ 0.23	\$ 0.25	\$ 0.27	\$ 0.29	\$ 0.31
NOx Rate (ozone)	-	-	-	-	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.52	\$ 1.04
Total with NOx	\$ -	\$ -	\$ 1.36	\$ 1.37	\$ 1.88	\$ 1.80	\$ 1.92	\$ 1.93	\$ 1.94	\$ 1.95	\$ 2.49	\$ 3.02
Weighted Avg	\$ -	\$ -	\$ 1.36	\$ 1.37	\$ 1.60	\$ 1.61	\$ 1.63	\$ 1.64	\$ 1.65	\$ 1.66	\$ 2.20	\$ 2.73
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	-	-	206,051	221,674	238,481	250,008	262,088	274,753	288,030	301,950	175,387	101,851
Maps Required Fuel w/adders (1997 \$000s)	-	-	3,000	3,343	4,281	4,484	4,697	4,920	5,154	5,399	2,003	-
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	1.36	1.37	1.60	1.61	1.63	1.64	1.65	1.66	2.20	2.73
Maps Req. Spot Purchases (MMBtu) -- Beckjord 2	-	-	2,203,490	2,431,417	2,682,921	2,783,128	2,885,168	3,003,500	3,124,275	3,247,257	911,908	-
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	1.21	1.21	1.21	1.21	1.21	1.20	1.19	1.19	1.18	1.18
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	2,656	2,933	3,238	3,360	3,485	3,608	3,733	3,859	1,078	-
Spot Purchases												
MMBtu	-	-	2,203,490	2,431,417	2,682,921	2,783,128	2,885,168	3,003,500	3,124,275	3,247,257	911,908	-
Cost of Spot Purchases (1997 \$000)	-	-	2,656	2,933	3,238	3,360	3,485	3,608	3,733	3,859	1,078	-
Total Fuel Cost -- Beckjord 2	-	-	2,656	2,933	3,238	3,360	3,485	3,608	3,733	3,859	1,078	-
SO2 Emissions (Tons) -- Beckjord 2	-	-	1,744	1,825	2,124	2,203	2,284	2,378	2,473	2,571	722	-
Seasonal NOx Emissions (Tons) -- Beckjord 2	-	-	-	-	158	164	170	177	184	191	54	-
CO2 Emissions (Tons) -- Beckjord 2	-	-	-	-	-	-	-	-	-	-	94,793	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord 2	-	-	344	410	490	560	617	692	778	869	263	-
NOx Allowances Consumed (1997 \$000) -- Beckjord 2	-	-	-	-	554	574	595	620	645	670	188	-
CO2 Taxes (1997 \$000) -- Beckjord 2	-	-	-	-	-	-	-	-	-	-	474	-
Recalculation of cost w/ adders	-	-	3,000	3,343	4,281	4,484	4,697	4,920	5,154	5,399	2,003	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-6

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Beckjord 3												
Retire Year	2008											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ -	\$ -	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.20	\$ 1.19	\$ 1.19	\$ 1.18	\$ 1.18
SO2 Rate	-	-	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder	\$ -	\$ -	\$ 0.16	\$ 0.17	\$ 0.18	\$ 0.20	\$ 0.21	\$ 0.23	\$ 0.25	\$ 0.27	\$ 0.29	\$ 0.31
CO2 Rate	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.52	\$ 1.04
Total less NOx	\$ -	\$ -	\$ 1.36	\$ 1.37	\$ 1.39	\$ 1.40	\$ 1.42	\$ 1.43	\$ 1.44	\$ 1.46	\$ 1.49	\$ 2.53
Base Fuel	\$ -	\$ -	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.20	\$ 1.19	\$ 1.19	\$ 1.18	\$ 1.18
SO2 Rate (Base)	-	-	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Base Fuel (ozone)	\$ -	\$ -	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.20	\$ 1.19	\$ 1.19	\$ 1.18	\$ 1.18
SO2 Rate (ozone)	-	-	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder (ozone)	\$ -	\$ -	\$ 0.16	\$ 0.17	\$ 0.18	\$ 0.20	\$ 0.21	\$ 0.23	\$ 0.25	\$ 0.27	\$ 0.29	\$ 0.31
NOx Rate (ozone)	-	-	-	-	0.55	0.65	0.55	0.55	0.55	0.55	0.55	0.55
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.96	\$ 0.96	\$ 0.96	\$ 0.96	\$ 0.96	\$ 0.96	\$ 0.96	\$ 0.96
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.52	\$ 1.04
Total with NOx	\$ -	\$ -	\$ 1.36	\$ 1.37	\$ 2.34	\$ 2.36	\$ 2.38	\$ 2.39	\$ 2.40	\$ 2.41	\$ 2.95	\$ 3.48
Weighted Avg	\$ -	\$ -	\$ 1.36	\$ 1.37	\$ 1.79	\$ 1.80	\$ 1.82	\$ 1.83	\$ 1.84	\$ 1.85	\$ 2.39	\$ 2.82
Maps Generation (MWh)	-	-	532,545	451,473	382,743	397,230	412,266	427,871	444,066	460,874	318,885	220,640
Maps Required Fuel w/adders (1997 \$000s)	-	-	7,448	6,102	6,436	6,721	7,019	7,330	7,654	7,993	3,606	-
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	1.36	1.37	1.79	1.80	1.82	1.83	1.84	1.85	2.39	2.92
Maps Req. Spot Purchases (MMBtu) -- Beckjord 3	-	-	5,471,297	4,438,609	3,600,837	3,727,783	3,856,884	4,005,406	4,156,759	4,310,659	1,609,733	-
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	1.21	1.21	1.21	1.21	1.21	1.20	1.19	1.19	1.18	1.18
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	6,595	5,353	4,345	4,501	4,659	4,812	4,967	5,123	1,785	-
Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-
MMBtu	-	-	5,471,297	4,438,609	3,600,837	3,727,783	3,856,884	4,005,406	4,156,759	4,310,659	1,509,733	-
Cost of Spot Purchases (1997 \$000)	-	-	6,595	5,353	4,345	4,501	4,659	4,812	4,967	5,123	1,785	-
Total Fuel Cost-- Beckjord 3	-	-	6,595	5,353	4,345	4,501	4,659	4,812	4,967	5,123	1,785	-
SO2 Emissions (Tons) -- Beckjord 3	-	-	4,331	3,514	2,851	2,951	3,053	3,171	3,291	3,413	1,195	-
Seasonal NOx Emissions (Tons) -- Beckjord 3	-	-	-	-	410	424	439	456	473	490	172	-
CO2 Emissions (Tons) -- Beckjord 3	-	-	-	-	-	-	-	-	-	-	156,937	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord 3	-	-	853	749	657	736	824	923	1,032	1,154	438	-
NOx Allowances Consumed (1997 \$000) -- Beckjord 3	-	-	-	-	1,434	1,484	1,536	1,595	1,655	1,716	601	-
CO2 Taxes (1997 \$000) -- Beckjord 3	-	-	-	-	-	-	-	-	-	-	785	-
Recalculation of cost w/ adders	-	-	7,448	6,102	6,436	6,721	7,019	7,330	7,654	7,993	3,606	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Beckjord 4												
Retire Year		2013										
Unit Type		Coal										
NOx Scenario Start Year		2003										
Maps												
Base Fuel	\$ -	\$ -	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.20	\$ 1.19	\$ 1.19	\$ 1.18	\$ 1.18
SO2 Rate	-	-	1.58	1.58	1.58	1.58	1.58	1.58	1.68	1.58	1.58	1.58
SO2 Adder	\$ -	\$ -	\$ 0.18	\$ 0.17	\$ 0.18	\$ 0.20	\$ 0.21	\$ 0.23	\$ 0.25	\$ 0.27	\$ 0.29	\$ 0.31
CO2 Rate	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.62	\$ 1.04
Total less NOx	\$ -	\$ -	\$ 1.36	\$ 1.37	\$ 1.39	\$ 1.40	\$ 1.42	\$ 1.43	\$ 1.44	\$ 1.46	\$ 1.99	\$ 2.53
Base Fuel	\$ -	\$ -	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.20	\$ 1.19	\$ 1.19	\$ 1.18	\$ 1.18
SO2 Rate (Base)	-	-	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Base Fuel (ozone)	\$ -	\$ -	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.20	\$ 1.19	\$ 1.19	\$ 1.18	\$ 1.18
SO2 Rate (ozone)	-	-	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder (ozone)	\$ -	\$ -	\$ 0.16	\$ 0.17	\$ 0.18	\$ 0.20	\$ 0.21	\$ 0.23	\$ 0.25	\$ 0.27	\$ 0.29	\$ 0.31
NOx Rate (ozone)	-	-	-	-	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.58	\$ 0.58	\$ 0.58	\$ 0.58	\$ 0.58	\$ 0.58	\$ 0.58	\$ 0.58
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.52	\$ 1.04
Total with NOx	\$ -	\$ -	\$ 1.36	\$ 1.37	\$ 1.97	\$ 1.99	\$ 2.00	\$ 2.01	\$ 2.02	\$ 2.04	\$ 2.57	\$ 3.11
Weighted Avg	\$ -	\$ -	\$ 1.36	\$ 1.37	\$ 1.63	\$ 1.65	\$ 1.68	\$ 1.67	\$ 1.69	\$ 1.70	\$ 2.23	\$ 2.77
Maps Generation (MWh)	-	-	857,859	815,054	774,566	774,362	774,158	773,953	773,749	773,545	644,545	537,057
Maps Required Fuel w/adders (1997 \$000s)	-	-	11,320	10,845	12,209	12,251	12,294	12,336	12,379	12,422	13,396	14,447
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	1.36	1.37	1.63	1.65	1.66	1.67	1.69	1.70	2.23	2.77
Maps Req. Spot Purchases (MMBtu) -- Beckjord 4	-	-	8,315,185	7,888,688	7,484,067	7,438,810	7,389,024	7,369,895	7,344,866	7,314,270	6,000,529	5,218,600
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	1.21	1.21	1.21	1.21	1.21	1.20	1.19	1.19	1.18	1.18
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	10,024	9,514	9,031	8,981	8,926	8,854	8,777	8,693	7,093	6,135
Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-
MMBtu	-	-	8,315,185	7,888,688	7,484,067	7,438,810	7,389,024	7,369,895	7,344,866	7,314,270	6,000,529	5,218,600
Cost of Spot Purchases (1997 \$000)	-	-	10,024	9,514	9,031	8,981	8,926	8,854	8,777	8,693	7,093	6,135
Total Fuel Cost-- Beckjord 4	-	-	10,024	9,514	9,031	8,981	8,926	8,854	8,777	8,693	7,093	6,135
SO2 Emissions (Tons) -- Beckjord 4	-	-	6,583	6,245	5,925	5,889	5,850	5,834	5,815	5,790	4,750	4,131
Seasonal NOx Emissions (Tons) -- Beckjord 4	-	-	-	-	518	515	511	510	508	506	415	381
CO2 Emissions (Tons) -- Beckjord 4	-	-	-	-	-	-	-	-	-	-	623,755	542,473
SO2 Allowances Consumed (1997 \$000) -- Beckjord 4	-	-	1,296	1,331	1,366	1,469	1,579	1,698	1,824	1,958	1,732	1,624
NOx Allowances Consumed (1997 \$000) -- Beckjord 4	-	-	-	-	1,812	1,801	1,789	1,784	1,778	1,771	1,453	1,263
CO2 Taxes (1997 \$000) -- Beckjord 4	-	-	-	-	-	-	-	-	-	-	3,119	5,425
Recalculation of cost w/ adders	-	-	11,320	10,845	12,209	12,251	12,294	12,336	12,379	12,422	13,396	14,447

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Beckjord 5												
Retire Year	2009											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ -	\$ -	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.20	\$ 1.19	\$ 1.19	\$ 1.18	\$ 1.18
SO2 Rate	-	-	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder	\$ -	\$ -	\$ 0.16	\$ 0.17	\$ 0.18	\$ 0.20	\$ 0.21	\$ 0.23	\$ 0.25	\$ 0.27	\$ 0.29	\$ 0.31
CO2 Rate	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.62	\$ 1.04
Total less NOx	\$ -	\$ -	\$ 1.36	\$ 1.37	\$ 1.39	\$ 1.40	\$ 1.42	\$ 1.43	\$ 1.44	\$ 1.46	\$ 1.99	\$ 2.53
Base Fuel	\$ -	\$ -	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.20	\$ 1.19	\$ 1.19	\$ 1.18	\$ 1.18
SO2 Rate (Base)	-	-	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Base Fuel (ozone)	\$ -	\$ -	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.20	\$ 1.19	\$ 1.19	\$ 1.18	\$ 1.18
SO2 Rate (ozone)	-	-	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder (ozone)	\$ -	\$ -	\$ 0.16	\$ 0.17	\$ 0.18	\$ 0.20	\$ 0.21	\$ 0.23	\$ 0.25	\$ 0.27	\$ 0.29	\$ 0.31
NOx Rate (ozone)	-	-	-	-	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.69	\$ 0.69	\$ 0.69	\$ 0.69	\$ 0.69	\$ 0.69	\$ 0.69	\$ 0.69
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.52	\$ 1.04
Total with NOx	\$ -	\$ -	\$ 1.36	\$ 1.37	\$ 2.08	\$ 2.10	\$ 2.11	\$ 2.12	\$ 2.14	\$ 2.15	\$ 2.68	\$ 3.22
Weighted Avg	\$ -	\$ -	\$ 1.36	\$ 1.37	\$ 1.68	\$ 1.69	\$ 1.71	\$ 1.72	\$ 1.73	\$ 1.74	\$ 2.28	\$ 2.82
Maps Generation (MWh)	-	-	1,261,366	1,173,964	1,092,619	1,090,274	1,087,934	1,085,599	1,083,269	1,080,944	903,996	756,014
Maps Required Fuel w/adders (1997 \$000s)	-	-	17,235	16,100	18,179	18,247	18,315	18,383	18,452	18,521	9,863	-
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	1.36	1.37	1.68	1.69	1.71	1.72	1.73	1.74	2.28	2.82
Maps Req. Spot Purchases (MMBtu) -- Beckjord 5	-	-	12,659,768	11,711,165	10,833,641	10,773,869	10,707,630	10,684,262	10,653,100	10,613,754	4,327,331	-
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	1.21	1.21	1.21	1.21	1.21	1.20	1.19	1.19	1.18	1.18
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	15,261	14,125	13,073	13,008	12,934	12,836	12,730	12,614	5,115	-
Spot Purchases												
MMBtu	-	-	12,659,768	11,711,165	10,833,641	10,773,869	10,707,630	10,684,262	10,653,100	10,613,754	4,327,331	-
Cost of Spot Purchases (1997 \$000)	-	-	15,261	14,125	13,073	13,008	12,934	12,836	12,730	12,614	5,115	-
Total Fuel Cost-- Beckjord 5	-	-	15,261	14,125	13,073	13,008	12,934	12,836	12,730	12,614	5,115	-
SO2 Emissions (Tons) -- Beckjord 5	-	-	10,022	9,271	8,577	8,529	8,477	8,458	8,434	8,403	3,426	-
Seasonal NOx Emissions (Tons) -- Beckjord 5	-	-	-	-	894	889	883	881	879	878	357	-
CO2 Emissions (Tons) -- Beckjord 5	-	-	-	-	-	-	-	-	-	-	449,826	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord 5	-	-	1,974	1,976	1,978	2,128	2,289	2,462	2,646	2,842	1,249	-
NOx Allowances Consumed (1997 \$000) -- Beckjord 5	-	-	-	-	3,128	3,111	3,092	3,085	3,076	3,065	1,250	-
CO2 Taxes (1997 \$000) -- Beckjord 5	-	-	-	-	-	-	-	-	-	-	2,249	-
Recalculation of cost w/ adders	-	-	17,235	16,100	18,179	18,247	18,315	18,383	18,452	18,521	9,883	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Beckjord 6												
Retire Year	2009											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ -	\$ -	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.20	\$ 1.19	\$ 1.19	\$ 1.18	\$ 1.18
SO2 Rate	-	-	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder	\$ -	\$ -	\$ 0.16	\$ 0.17	\$ 0.18	\$ 0.20	\$ 0.21	\$ 0.23	\$ 0.25	\$ 0.27	\$ 0.29	\$ 0.31
CO2 Rate	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.52	\$ 1.04
Total less NOx	\$ -	\$ -	\$ 1.36	\$ 1.37	\$ 1.39	\$ 1.40	\$ 1.42	\$ 1.43	\$ 1.44	\$ 1.46	\$ 1.99	\$ 2.53
Base Fuel	\$ -	\$ -	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.20	\$ 1.19	\$ 1.19	\$ 1.18	\$ 1.18
SO2 Rate (Base)	-	-	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Base Fuel (ozone)	\$ -	\$ -	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.21	\$ 1.20	\$ 1.19	\$ 1.19	\$ 1.18	\$ 1.18
SO2 Rate (ozone)	-	-	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder (ozone)	\$ -	\$ -	\$ 0.16	\$ 0.17	\$ 0.18	\$ 0.20	\$ 0.21	\$ 0.23	\$ 0.25	\$ 0.27	\$ 0.29	\$ 0.31
NOx Rate (ozone)	-	-	-	-	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.52	\$ 1.04
Total with NOx	\$ -	\$ -	\$ 1.36	\$ 1.37	\$ 2.05	\$ 2.07	\$ 2.08	\$ 2.09	\$ 2.10	\$ 2.12	\$ 2.65	\$ 3.19
Weighted Avg	\$ -	\$ -	\$ 1.36	\$ 1.37	\$ 1.68	\$ 1.68	\$ 1.70	\$ 1.71	\$ 1.72	\$ 1.73	\$ 2.27	\$ 2.60
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	-	-	669,342	620,534	575,285	585,881	596,672	607,662	618,854	630,253	435,285	300,630
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	9,276	8,759	9,920	10,180	10,446	10,720	11,001	11,289	4,946	-
Maps Req. Spot Purchases (MMBtu) -- Beckjord 6	-	-	1.36	1.37	1.68	1.68	1.70	1.71	1.72	1.73	2.27	2.60
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	6,815,054	6,373,004	5,959,626	6,059,020	6,156,145	6,279,990	6,401,585	6,520,422	2,183,364	-
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	1.21	1.21	1.21	1.21	1.21	1.20	1.19	1.19	1.18	1.18
Spot Purchases	-	-	8,215	7,886	7,192	7,315	7,438	7,545	7,649	7,749	2,581	-
MMBtu	-	-	6,815,054	6,373,004	5,959,626	6,059,020	6,156,145	6,279,990	6,401,585	6,520,422	2,183,364	-
Cost of Spot Purchases (1997 \$000)	-	-	8,215	7,886	7,192	7,315	7,438	7,545	7,649	7,749	2,581	-
Total Fuel Cost-- Beckjord 6	-	-	8,215	7,886	7,192	7,315	7,438	7,545	7,649	7,749	2,581	-
SO2 Emissions (Tons) -- Beckjord 6	-	-	6,384	5,035	4,708	4,787	4,863	4,961	5,057	5,151	1,725	-
Seasonal NOx Emissions (Tons) -- Beckjord 6	-	-	-	-	469	477	485	495	504	513	172	-
CO2 Emissions (Tons) -- Beckjord 6	-	-	-	-	-	-	-	-	-	-	226,961	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord 6	-	-	1,080	1,073	1,086	1,194	1,313	1,444	1,587	1,742	629	-
NOx Allowances Consumed (1997 \$000) -- Beckjord 6	-	-	-	-	1,643	1,670	1,697	1,731	1,764	1,797	602	-
CO2 Taxes (1997 \$000) -- Beckjord 6	-	-	-	-	-	-	-	-	-	-	1,135	-
Recalculation of cost w/ adders												
	-	-	9,276	8,759	9,920	10,180	10,446	10,720	11,001	11,289	4,946	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Beckjord GT1												
Retire Year		2009										
Unit Type		Distillate Oil										
NOx Scenario Start Year		2003										
Maps												
Base Fuel	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.38	\$ 4.46
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	-	-	-	-	-	-	-	-	-	-	161.30	161.30
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.40	\$ 0.81
Total less NOx	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.79	\$ 5.27
Base Fuel	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.38	\$ 4.46
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	161.30	161.30
Base Fuel (ozone)	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.38	\$ 4.46
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	-	-	-	-	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	161.30	161.30
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.40	\$ 0.81
Total with NOx	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 4.19	\$ 4.32	\$ 4.45	\$ 4.52	\$ 4.59	\$ 4.66	\$ 5.14	\$ 5.62
Weighted Avg	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.98	\$ 4.11	\$ 4.25	\$ 4.31	\$ 4.39	\$ 4.46	\$ 4.93	\$ 5.41
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	-	-	29	72	189	215	245	279	317	361	183	-
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	3.59	3.71	3.98	4.11	4.25	4.31	4.39	4.46	4.93	5.41
Maps Req. Spot Purchases (MMBtu) -- Beckjord GT1	-	-	7,988	19,450	47,359	52,242	57,624	64,560	72,330	81,032	37,163	-
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	3.59	3.71	3.84	3.97	4.10	4.17	4.24	4.31	4.38	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	29	72	182	207	236	269	307	349	163	-
Spot Purchases												
MMBtu	-	-	7,988	19,450	47,359	52,242	57,624	64,560	72,330	81,032	37,163	-
Cost of Spot Purchases (1997 \$000)	-	-	29	72	182	207	236	269	307	349	163	-
Total Fuel Cost-- Beckjord GT1	-	-	29	72	182	207	236	269	307	349	163	-
SO2 Emissions (Tons) -- Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord GT1	-	-	-	-	2	2	2	3	3	3	2	-
CO2 Emissions (Tons) -- Beckjord GT1	-	-	-	-	-	-	-	-	-	-	2,997	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Beckjord GT1	-	-	-	-	7	8	8	9	11	12	5	-
CO2 Taxes (1997 \$000) -- Beckjord GT1	-	-	-	-	-	-	-	-	-	-	15	-
Recalculation of cost w/ adders	-	-	29	72	189	215	245	279	317	361	183	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Beckjord GT2												
Retire Year		2009										
Unit Type		Distillate Oil										
NOx Scenario Start Year		2003										
Maps												
Base Fuel	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.38	\$ 4.46
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	-	-	-	-	-	-	-	-	-	-	161.30	161.30
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.40	0.81
Total less NOx	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.79	\$ 5.27
Base Fuel	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.38	\$ 4.46
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	161.30	161.30
Base Fuel (ozone)	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.38	\$ 4.46
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	-	-	-	-	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	161.30	161.30
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.40	0.81
Total with NOx	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 4.19	\$ 4.32	\$ 4.45	\$ 4.52	\$ 4.59	\$ 4.66	\$ 5.14	\$ 5.62
Weighted Avg	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.98	\$ 4.11	\$ 4.25	\$ 4.31	\$ 4.39	\$ 4.46	\$ 4.93	\$ 5.41
Maps Generation (MWh)	-	-	932	2,218	5,278	5,865	6,518	7,244	8,051	8,947	8,203	7,668
Maps Required Fuel w/adders (1997 \$000s)	-	-	29	72	189	214	244	277	315	357	182	-
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	3.59	3.71	3.98	4.11	4.25	4.31	4.39	4.46	4.93	5.41
Maps Req. Spot Purchases (MMBtu) -- Beckjord GT2	-	-	7,988	19,450	47,359	62,134	57,385	64,160	71,733	80,197	36,810	-
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	3.59	3.71	3.84	3.97	4.10	4.17	4.24	4.31	4.38	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	29	72	182	207	235	267	304	346	161	-
Spot Purchases												
MMBtu	-	-	7,988	19,450	47,359	52,134	57,385	64,160	71,733	80,197	36,810	-
Cost of Spot Purchases (1997 \$000)	-	-	29	72	182	207	235	267	304	346	161	-
Total Fuel Cost-- Beckjord GT2	-	-	29	72	182	207	235	267	304	346	161	-
SO2 Emissions (Tons) -- Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord GT2	-	-	-	-	2	2	2	3	3	3	2	-
CO2 Emissions (Tons) -- Beckjord GT2	-	-	-	-	-	-	-	-	-	-	2,969	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Beckjord GT2	-	-	-	-	7	8	8	9	10	12	5	-
CO2 Taxes (1997 \$000) -- Beckjord GT2	-	-	-	-	-	-	-	-	-	-	15	-
Recalculation of cost w/ adders	-	-	20	72	189	214	244	277	315	357	182	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Beckjord GT3												
Retire Year		2009										
Unit Type		Distillate Oil										
NOx Scenario Start Year		2003										
Maps												
Base Fuel	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.38	\$ 4.46
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	-	-	-	-	-	-	-	-	-	-	161.30	161.30
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.40	\$ 0.81
Total less NOx	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.79	\$ 5.27
Base Fuel	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.38	\$ 4.46
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	161.30	161.30
Base Fuel (ozone)	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.38	\$ 4.46
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	-	-	-	-	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	161.30	161.30
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.40	\$ 0.81
Total with NOx	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 4.19	\$ 4.32	\$ 4.45	\$ 4.52	\$ 4.59	\$ 4.66	\$ 5.14	\$ 5.62
Weighted Avg	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.98	\$ 4.11	\$ 4.25	\$ 4.31	\$ 4.39	\$ 4.46	\$ 4.93	\$ 5.41
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	-	-	932	2,218	5,277	5,849	6,482	7,185	7,963	8,825	6,907	5,408
Maps Required Fuel w/adders (1997 \$000s)	-	-	29	72	189	214	242	275	311	353	151	-
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	3.59	3.71	3.98	4.11	4.25	4.31	4.39	4.46	4.93	5.41
Maps Req. Spot Purchases (MMBtu) -- Beckjord GT3	-	-	7,988	19,450	47,360	51,992	57,072	63,635	70,950	79,104	30,694	-
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	3.59	3.71	3.84	3.97	4.10	4.17	4.24	4.31	4.38	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	29	72	182	206	234	265	301	341	135	-
Spot Purchases												
MMBtu	-	-	7,988	19,450	47,360	51,992	57,072	63,635	70,950	79,104	30,694	-
Cost of Spot Purchases (1997 \$000)	-	-	29	72	182	206	234	265	301	341	135	-
Total Fuel Cost-- Beckjord GT3	-	-	29	72	182	206	234	285	301	341	135	-
SO2 Emissions (Tons) -- Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord GT3	-	-	-	-	2	2	2	3	3	3	1	-
CO2 Emissions (Tons) -- Beckjord GT3	-	-	-	-	-	-	-	-	-	-	2,475	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Beckjord GT3	-	-	-	-	7	8	8	9	10	12	4	-
CO2 Taxes (1997 \$000) -- Beckjord GT3	-	-	-	-	-	-	-	-	-	-	12	-
Recalculation of cost w/ adders												
	-	-	29	72	189	214	242	275	311	353	151	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Beckjord GT4												
Retire Year		2009										
Unit Type		Distillate Oil										
NOx Scenario Start Year		2003										
Maps												
Base Fuel	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.38	\$ 4.46
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	-	-	-	-	-	-	-	-	-	-	161.30	161.30
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.40	\$ 0.81
Total less NOx	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.79	\$ 5.27
Base Fuel	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.38	\$ 4.46
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	161.30	161.30
Base Fuel (ozone)	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.38	\$ 4.46
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	-	-	-	-	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	161.30	161.30
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.40	\$ 0.81
Total with NOx	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 4.19	\$ 4.32	\$ 4.45	\$ 4.52	\$ 4.59	\$ 4.66	\$ 5.14	\$ 5.62
Weighted Avg	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.98	\$ 4.11	\$ 4.25	\$ 4.31	\$ 4.39	\$ 4.46	\$ 4.93	\$ 5.41
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	-	-	932	2,229	5,333	5,890	6,504	7,183	7,933	8,761	7,956	7,225
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	29	73	191	215	243	275	310	350	174	-
Maps Req. Spot Purchases (MMBtu) -- Beckjord GT4	-	-	3.59	3.71	3.98	4.11	4.25	4.31	4.39	4.46	4.93	5.41
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	7,988	19,552	47,857	52,352	57,263	63,621	70,682	78,526	35,356	-
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	3.59	3.71	3.84	3.97	4.10	4.17	4.24	4.31	4.38	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	29	73	184	208	235	265	300	339	155	-
Spot Purchases												
MMBtu	-	-	7,988	19,552	47,857	52,352	57,263	63,621	70,682	78,526	35,356	-
Cost of Spot Purchases (1997 \$000)	-	-	29	73	184	208	235	265	300	339	155	-
Total Fuel Cost-- Beckjord GT4	-	-	29	73	184	208	235	265	300	339	155	-
SO2 Emissions (Tons) -- Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord GT4	-	-	-	-	2	2	2	3	3	3	1	-
CO2 Emissions (Tons) -- Beckjord GT4	-	-	-	-	-	-	-	-	-	-	2,851	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Beckjord GT4	-	-	-	-	7	8	8	9	10	11	6	-
CO2 Taxes (1997 \$000) -- Beckjord GT4	-	-	-	-	-	-	-	-	-	-	14	-
Recalculation of cost w/ adders	-	-	29	73	191	215	243	275	310	350	174	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Conesville 4												
Retire Year	2020											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ -	\$ -	\$ 0.84	\$ 0.83	\$ 0.82	\$ 0.81	\$ 0.79	\$ 0.78	\$ 0.77	\$ 0.76	\$ 0.74	\$ 0.73
SO2 Rate	-	-	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
SO2 Adder	\$ -	\$ -	\$ 0.44	\$ 0.48	\$ 0.52	\$ 0.56	\$ 0.61	\$ 0.65	\$ 0.71	\$ 0.76	\$ 0.82	\$ 0.88
CO2 Rate	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.62	\$ 1.04
Total less NOx	\$ -	\$ -	\$ 1.29	\$ 1.31	\$ 1.34	\$ 1.37	\$ 1.40	\$ 1.44	\$ 1.47	\$ 1.52	\$ 2.08	\$ 2.65
Base Fuel	\$ -	\$ -	\$ 0.84	\$ 0.83	\$ 0.82	\$ 0.81	\$ 0.79	\$ 0.78	\$ 0.77	\$ 0.76	\$ 0.74	\$ 0.73
SO2 Rate (Base)	-	-	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Base Fuel (ozone)	\$ -	\$ -	\$ 0.84	\$ 0.83	\$ 0.82	\$ 0.81	\$ 0.79	\$ 0.78	\$ 0.77	\$ 0.76	\$ 0.74	\$ 0.73
SO2 Rate (ozone)	-	-	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
SO2 Adder (ozone)	\$ -	\$ -	\$ 0.44	\$ 0.48	\$ 0.52	\$ 0.56	\$ 0.61	\$ 0.65	\$ 0.71	\$ 0.76	\$ 0.82	\$ 0.88
NOx Rate (ozone)	-	-	-	-	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.52	\$ 1.04
Total with NOx	\$ -	\$ -	\$ 1.29	\$ 1.31	\$ 1.46	\$ 1.49	\$ 1.53	\$ 1.56	\$ 1.60	\$ 1.64	\$ 2.21	\$ 2.78
Weighted Avg	\$ -	\$ -	\$ 1.29	\$ 1.31	\$ 1.39	\$ 1.42	\$ 1.45	\$ 1.49	\$ 1.53	\$ 1.57	\$ 2.13	\$ 2.71
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	-	-	2,125,572	2,117,246	2,108,952	2,065,643	2,003,881	1,953,033	1,903,685	1,855,545	1,527,236	1,257,016
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	26,248	26,663	26,205	28,179	28,152	28,126	28,100	28,074	30,461	33,050
Maps Req. Spot Purchases (MMBtu) -- Conesville 4	-	-	1.29	1.31	1.39	1.42	1.45	1.49	1.53	1.57	2.13	2.71
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	20,383,535	20,333,168	20,282,925	19,833,008	19,352,453	18,894,356	18,408,907	17,898,524	14,268,253	12,213,387
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	0.84	0.83	0.82	0.81	0.79	0.78	0.77	0.76	0.74	0.73
Coal Washing	-	-	17,216	16,913	16,817	16,003	15,380	14,761	14,138	13,514	10,592	8,914
Total Coal Washer Cost (1997 \$000s)	-	-	1,425	1,425	1,425	1,425	-	-	-	-	-	-
Spot Purchases												
MMBtu	-	-	20,383,535	20,333,168	20,282,925	19,833,008	19,352,453	18,894,356	18,408,907	17,898,524	14,268,253	12,213,387
Cost of Spot Purchases (1997 \$000)	-	-	17,216	16,913	16,817	16,003	15,380	14,761	14,138	13,514	10,592	8,914
Total Fuel Cost-- Conesville 4	-	-	18,641	18,330	18,042	17,428	15,380	14,761	14,138	13,514	10,592	8,914
SO2 Emissions (Tons) -- Conesville 4	-	-	45,863	45,750	45,637	44,824	43,543	42,512	41,420	40,272	32,104	27,480
Seasonal NOx Emissions (Tons) -- Conesville 4	-	-	-	-	304	297	290	283	276	268	214	183
CO2 Emissions (Tons) -- Conesville 4	-	-	-	-	-	-	-	-	-	-	1,463,185	1,269,582
SO2 Allowances Consumed (1997 \$000) -- Conesville 4	-	-	9,032	9,749	10,523	11,135	11,757	12,373	12,995	13,620	11,704	10,800
NOx Allowances Consumed (1997 \$000) -- Conesville 4	-	-	-	-	1,065	1,041	1,016	992	966	940	749	641
CO2 Taxes (1997 \$000) -- Conesville 4	-	-	-	-	-	-	-	-	-	-	7,416	12,698
Recalculation of cost w/ adders												
	-	-	26,248	26,663	26,205	28,179	28,152	28,126	28,100	28,074	30,461	33,050

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Dicks Creek 1												
Retire Year		2009										
Unit Type		Gas										
NOx Scenario Start Year		2003										
Maps												
Base Fuel	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.58	\$ 2.62
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	-	-	-	-	-	-	-	-	-	-	117.00	117.00
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.29	\$ 0.59
Total less NOx	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.87	\$ 3.21
Base Fuel	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.58	\$ 2.62
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	117.00	117.00
Base Fuel (ozone)	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.58	\$ 2.62
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	-	-	-	-	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	117.00	117.00
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.29	\$ 0.59
Total with NOx	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.56	\$ 2.58	\$ 2.60	\$ 2.63	\$ 2.67	\$ 2.71	\$ 3.05	\$ 3.38
Weighted Avg	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.46	\$ 2.48	\$ 2.48	\$ 2.53	\$ 2.57	\$ 2.61	\$ 2.95	\$ 3.28
Maps Generation (MWh)	-	-	2,915	6,429	14,183	15,141	16,164	17,255	18,420	19,554	18,734	17,848
Maps Required Fuel w/adders (1997 \$000s)	-	-	75	174	415	451	491	533	580	631	339	-
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	2.36	2.37	2.46	2.48	2.49	2.53	2.57	2.61	2.95	3.28
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 1	-	-	31,958	73,392	168,545	182,115	196,777	210,681	225,562	241,487	114,987	-
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	2.36	2.37	2.39	2.40	2.42	2.46	2.50	2.54	2.58	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	75	174	403	438	476	518	564	613	297	-
Spot Purchases												
MMBtu	-	-	31,958	73,392	168,545	182,115	196,777	210,681	225,562	241,487	114,987	-
Cost of Spot Purchases (1997 \$000)	-	-	75	174	403	438	476	518	564	613	297	-
Total Fuel Cost-- Dicks Creek 1	-	-	75	174	403	438	476	518	564	613	297	-
SO2 Emissions (Tons) -- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 1	-	-	-	-	4	4	4	4	5	5	2	-
CO2 Emissions (Tons) -- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	6,727	-
SO2 Allowances Consumed (1997 \$000) -- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Dicks Creek 1	-	-	-	-	12	13	14	15	16	18	8	-
CO2 Taxes (1997 \$000) -- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	34	-
Recalculation of cost w/ adders	-	-	75	174	415	451	491	533	580	631	339	-

**CONFIDENTIAL PROPRIETARY
TRADE SECRET**

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Dicks Creek 3												
Retire Year	2009											
Unit Type	Gas											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.58	\$ 2.62
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	-	-	-	-	-	-	-	-	-	-	117.00	117.00
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.29	0.59
Total less NOx	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.58	\$ 2.62
Base Fuel	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.58	\$ 2.62
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	117.00	117.00
Base Fuel (ozone)	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.58	\$ 2.62
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	-	-	-	-	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	117.00	117.00
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.29	0.59
Total with NOx	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.56	\$ 2.58	\$ 2.60	\$ 2.63	\$ 2.67	\$ 2.71	\$ 2.85	\$ 3.38
Weighted Avg	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.46	\$ 2.48	\$ 2.49	\$ 2.53	\$ 2.57	\$ 2.61	\$ 2.85	\$ 3.28
Maps Generation (MMWh)	-	-	454	1,010	2,244	2,402	2,571	2,751	2,945	3,152	2,947	2,755
Maps Required Fuel w/adders (1997 \$000s)	-	-	12	27	65	71	77	84	92	100	53	-
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	2.36	2.37	2.46	2.48	2.49	2.63	2.57	2.61	2.85	3.28
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 3	-	-	4,936	11,424	26,440	28,637	31,016	33,286	35,722	38,334	17,916	-
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	2.36	2.37	2.39	2.40	2.42	2.46	2.50	2.54	2.58	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	12	27	63	69	75	82	89	97	46	-
Spot Purchases												
MMBtu	-	-	4,936	11,424	26,440	28,637	31,016	33,286	35,722	38,334	17,916	-
Cost of Spot Purchases (1997 \$000)	-	-	12	27	63	69	75	82	89	97	46	-
Total Fuel Cost-- Dicks Creek 3	-	-	12	27	63	69	75	82	89	97	46	-
SO2 Emissions (Tons) -- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 3	-	-	-	-	1	1	1	1	1	1	0	-
CO2 Emissions (Tons) -- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	1,048	-
SO2 Allowances Consumed (1997 \$000) -- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Dicks Creek 3	-	-	-	-	2	2	2	2	3	3	1	-
CO2 Taxes (1997 \$000) -- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	5	-
Recalculation of cost w/ adders	-	-	12	27	65	71	77	84	92	100	53	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Dicks Creek 4												
Retire Year											2009	
Unit Type											Distillate Oil	
NOx Scenario Start Year											2003	
Maps												
Base Fuel	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.38	\$ 4.46
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	-	-	-	-	-	-	-	-	-	-	161.30	161.30
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.40	\$ 0.81
Total less NOx	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.79	\$ 5.27
Base Fuel	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.38	\$ 4.46
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	161.30	161.30
Base Fuel (ozone)	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.38	\$ 4.46
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	-	-	-	-	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.36
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	161.30	161.30
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.40	\$ 0.81
Total with NOx	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 4.19	\$ 4.32	\$ 4.45	\$ 4.52	\$ 4.59	\$ 4.66	\$ 5.14	\$ 5.62
Weighted Avg	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.98	\$ 4.11	\$ 4.25	\$ 4.31	\$ 4.39	\$ 4.46	\$ 4.93	\$ 5.41
Maps Generation (MWh)	-	-	180	459	1,170	1,337	1,528	1,746	1,995	2,280	1,849	1,500
Maps Required Fuel w/adders (1997 \$000s)	-	-	8	23	64	75	88	102	119	139	62	-
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	3.59	3.71	3.98	4.11	4.25	4.31	4.39	4.46	4.93	5.41
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 4	-	-	2,359	6,167	16,119	18,232	20,619	23,686	27,209	31,254	12,569	-
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	3.59	3.71	3.84	3.97	4.10	4.17	4.24	4.31	4.38	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	8	23	82	72	85	99	115	135	55	-
Spot Purchases												
MMBtu	-	-	2,359	6,167	16,119	18,232	20,619	23,686	27,209	31,254	12,569	-
Cost of Spot Purchases (1997 \$000)	-	-	8	23	62	72	85	99	115	135	55	-
Total Fuel Cost-- Dicks Creek 4	-	-	8	23	62	72	85	99	115	135	55	-
SO2 Emissions (Tons) -- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 4	-	-	-	-	1	1	1	1	1	1	1	-
CO2 Emissions (Tons) -- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	1,014	-
SO2 Allowances Consumed (1997 \$000) -- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Dicks Creek 4	-	-	-	-	2	3	3	3	4	5	2	-
CO2 Taxes (1997 \$000) -- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	5	-
Recalculation of cost w/ adders	-	-	8	23	64	75	88	102	119	139	62	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Dicks Creek 5												
Retire Year		2009										
Unit Type		Distillate Oil										
NOx Scenario Start Year		2003										
Maps												
Base Fuel	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.38	\$ 4.46
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	-	-	-	-	-	-	-	-	-	-	161.30	161.30
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.40	\$ 0.81
Total less NOx	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.79	\$ 5.27
Base Fuel	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.38	\$ 4.46
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	161.30	161.30
Base Fuel (ozone)	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.38	\$ 4.46
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	-	-	-	-	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	161.30	161.30
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.40	\$ 0.81
Total with NOx	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 4.19	\$ 4.32	\$ 4.45	\$ 4.52	\$ 4.58	\$ 4.66	\$ 5.14	\$ 5.82
Weighted Avg	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.98	\$ 4.11	\$ 4.25	\$ 4.31	\$ 4.39	\$ 4.46	\$ 4.93	\$ 5.41
Maps Generation (MWh)	-	-	180	459	1,170	1,337	1,528	1,746	1,995	2,260	1,830	1,469
Maps Required Fuel w/adders (1997 \$000s)	-	-	8	23	64	75	88	102	119	139	61	-
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	3.59	3.71	3.86	4.11	4.25	4.31	4.39	4.46	4.93	5.41
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 5	-	-	2,359	6,167	16,119	18,232	20,619	23,686	27,209	31,254	12,436	-
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	3.59	3.71	3.84	3.97	4.10	4.17	4.24	4.31	4.38	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	8	23	62	72	86	99	115	135	55	-
Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-
MMBtu	-	-	2,359	6,167	16,119	18,232	20,619	23,686	27,209	31,254	12,436	-
Cost of Spot Purchases (1997 \$000)	-	-	8	23	62	72	86	99	115	135	55	-
Total Fuel Cost-- Dicks Creek 5	-	-	8	23	62	72	86	99	115	135	55	-
SO2 Emissions (Tons) -- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 5	-	-	-	-	1	1	1	1	1	1	1	-
CO2 Emissions (Tons) -- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	1,003	-
SO2 Allowances Consumed (1997 \$000) -- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Dicks Creek 5	-	-	-	-	2	3	3	3	4	5	2	-
CO2 Taxes (1997 \$000) -- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	5	-
Recalculation of cost w/ adders	-	-	8	23	64	75	88	102	119	139	61	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
East Bend 2												
Retire Year	2021											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ -	\$ -	\$ 0.95	\$ 0.93	\$ 0.90	\$ 0.88	\$ 0.86	\$ 0.84	\$ 0.82	\$ 0.80	\$ 0.78	\$ 0.76
SO2 Rate	-	-	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
SO2 Adder	\$ -	\$ -	\$ 0.05	\$ 0.05	\$ 0.06	\$ 0.06	\$ 0.07	\$ 0.07	\$ 0.08	\$ 0.08	\$ 0.09	\$ 0.10
CO2 Rate	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.52	\$ 1.04
Total less NOx	\$ -	\$ -	\$ 1.00	\$ 0.98	\$ 0.86	\$ 0.94	\$ 0.93	\$ 0.91	\$ 0.90	\$ 0.88	\$ 1.39	\$ 1.89
Base Fuel	\$ -	\$ -	\$ 0.95	\$ 0.93	\$ 0.90	\$ 0.88	\$ 0.86	\$ 0.84	\$ 0.82	\$ 0.80	\$ 0.78	\$ 0.76
SO2 Rate (Base)	-	-	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Base Fuel (ozone)	\$ -	\$ -	\$ 0.95	\$ 0.93	\$ 0.90	\$ 0.88	\$ 0.86	\$ 0.84	\$ 0.82	\$ 0.80	\$ 0.78	\$ 0.76
SO2 Rate (ozone)	-	-	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
SO2 Adder (ozone)	\$ -	\$ -	\$ 0.05	\$ 0.05	\$ 0.06	\$ 0.06	\$ 0.07	\$ 0.07	\$ 0.08	\$ 0.08	\$ 0.09	\$ 0.10
NOx Rate (ozone)	-	-	-	-	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.52	\$ 1.04
Total with NOx	\$ -	\$ -	\$ 1.00	\$ 0.98	\$ 1.07	\$ 1.05	\$ 1.03	\$ 1.02	\$ 1.00	\$ 0.99	\$ 1.49	\$ 2.00
Weighted Avg	\$ -	\$ -	\$ 1.00	\$ 0.98	\$ 1.00	\$ 0.99	\$ 0.97	\$ 0.96	\$ 0.94	\$ 0.92	\$ 1.43	\$ 1.94
Maps Generation (MWh)	-	-	3,113,839	3,113,940	3,114,042	3,115,888	3,117,735	3,119,583	3,121,432	3,123,282	3,116,742	3,110,216
Maps Required Fuel w/adders (1997 \$000s)	-	-	31,056	30,482	31,297	30,821	30,352	29,890	29,435	28,967	41,728	60,068
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	1.00	0.98	1.00	0.99	0.97	0.96	0.94	0.92	1.43	1.94
Maps Req. Spot Purchases (MMBtu) -- East Bend 2	-	-	31,140,802	31,143,550	31,146,499	31,193,315	31,220,268	31,288,901	31,334,751	31,355,794	29,173,978	31,007,820
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	0.95	0.93	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	29,523	28,823	28,139	27,510	26,879	26,244	25,606	24,964	22,629	23,433
Spot Purchases												
MMBtu	-	-	31,140,802	31,143,550	31,146,499	31,193,315	31,220,268	31,288,901	31,334,751	31,355,794	29,173,978	31,007,820
Cost of Spot Purchases (1997 \$000)	-	-	29,523	28,823	28,139	27,510	26,879	26,244	25,606	24,964	22,629	23,433
Total Fuel Cost-- East Bend 2	-	-	29,523	28,823	28,139	27,510	26,879	26,244	25,606	24,964	22,629	23,433
SO2 Emissions (Tons) -- East Bend 2	-	-	7,785	7,786	7,767	7,798	7,805	7,822	7,834	7,839	7,293	7,752
Seasonal NOx Emissions (Tons) -- East Bend 2	-	-	-	-	369	390	390	391	392	392	365	388
CO2 Emissions (Tons) -- East Bend 2	-	-	-	-	-	-	-	-	-	-	3,032,835	3,223,263
SO2 Allowances Consumed (1997 \$000) -- East Bend 2	-	-	1,533	1,659	1,796	1,946	2,107	2,277	2,458	2,651	2,659	3,047
NOx Allowances Consumed (1997 \$000) -- East Bend 2	-	-	-	-	1,363	1,365	1,366	1,369	1,371	1,372	1,276	1,357
CO2 Taxes (1997 \$000) -- East Bend 2	-	-	-	-	-	-	-	-	-	-	15,163	32,233
Recalculation of cost w/ adders	-	-	31,056	30,482	31,297	30,821	30,352	29,890	29,435	28,967	41,728	60,068

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Killen Station 2												
Retire Year		2025										
Unit Type		Coal										
NOx Scenario Start Year		2003										
Maps												
Base Fuel	\$ -	\$ -	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.10	\$ 1.10	\$ 1.09	\$ 1.08	\$ 1.07
SO2 Rate	-	-	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
SO2 Adder	\$ -	\$ -	\$ 0.12	\$ 0.13	\$ 0.14	\$ 0.15	\$ 0.16	\$ 0.17	\$ 0.19	\$ 0.20	\$ 0.22	\$ 0.24
CO2 Rate	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.52	\$ 1.04
Total less NOx	\$ -	\$ -	\$ 1.23	\$ 1.24	\$ 1.25	\$ 1.26	\$ 1.27	\$ 1.28	\$ 1.28	\$ 1.29	\$ 1.32	\$ 2.35
Base Fuel	\$ -	\$ -	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.10	\$ 1.10	\$ 1.09	\$ 1.08	\$ 1.07
SO2 Rate (Base)	-	-	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Base Fuel (ozone)	\$ -	\$ -	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.10	\$ 1.10	\$ 1.09	\$ 1.08	\$ 1.07
SO2 Rate (ozone)	-	-	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
SO2 Adder (ozone)	\$ -	\$ -	\$ 0.12	\$ 0.13	\$ 0.14	\$ 0.15	\$ 0.16	\$ 0.17	\$ 0.19	\$ 0.20	\$ 0.22	\$ 0.24
NOx Rate (ozone)	-	-	-	-	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.52	\$ 1.04
Total with NOx	\$ -	\$ -	\$ 1.23	\$ 1.24	\$ 1.41	\$ 1.42	\$ 1.43	\$ 1.44	\$ 1.44	\$ 1.45	\$ 1.57	\$ 2.50
Weighted Avg	\$ -	\$ -	\$ 1.23	\$ 1.24	\$ 1.32	\$ 1.33	\$ 1.34	\$ 1.34	\$ 1.35	\$ 1.36	\$ 1.68	\$ 2.41
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	-	-	1,493,545	1,500,325	1,507,135	1,511,312	1,515,500	1,519,700	1,523,912	1,528,136	1,476,784	1,427,158
Maps Required Fuel w/adders (1997 \$000s)	-	-	17,796	17,980	19,130	19,325	19,521	19,719	19,919	20,121	25,883	33,294
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	1.23	1.24	1.32	1.33	1.34	1.34	1.35	1.36	1.88	2.41
Maps Req. Spot Purchases (MMBtu) -- Killen Station 2	-	-	14,443,702	14,484,601	14,525,816	14,552,402	14,570,077	14,672,531	14,764,352	14,844,630	13,747,461	13,807,518
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	1.11	1.11	1.11	1.11	1.11	1.10	1.10	1.09	1.08	1.07
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	16,089	16,128	16,167	16,191	16,204	16,194	16,171	16,135	14,828	14,780
Spot Purchases												
MMBtu	-	-	14,443,702	14,484,601	14,525,816	14,552,402	14,570,077	14,672,531	14,764,352	14,844,630	13,747,461	13,807,518
Cost of Spot Purchases (1997 \$000)	-	-	16,089	16,128	16,167	16,191	16,204	16,194	16,171	16,135	14,828	14,780
Total Fuel Cost-- Killen Station 2	-	-	16,089	16,128	16,167	16,191	16,204	16,194	16,171	16,135	14,828	14,780
SO2 Emissions (Tons) -- Killen Station 2	-	-	8,666	8,691	8,715	8,731	8,742	8,804	8,859	8,907	8,248	8,285
Seasonal NOx Emissions (Tons) -- Killen Station 2	-	-	-	-	272	273	273	275	277	278	258	259
CO2 Emissions (Tons) -- Killen Station 2	-	-	-	-	-	-	-	-	-	-	1,429,049	1,435,292
SO2 Allowances Consumed (1997 \$000) -- Killen Station 2	-	-	1,707	1,852	2,010	2,179	2,360	2,582	2,778	3,012	3,007	3,256
NOx Allowances Consumed (1997 \$000) -- Killen Station 2	-	-	-	-	953	955	956	963	969	974	902	906
CO2 Taxes (1997 \$000) -- Killen Station 2	-	-	-	-	-	-	-	-	-	-	7,145	14,353
Recalculation of cost w/ adders												
	-	-	17,786	17,980	19,130	19,325	19,521	19,719	19,919	20,121	25,883	33,284

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Miami Fort GT3												
Retire Year		2009										
Unit Type		Distillate Oil										
NOx Scenario Start Year		2003										
Maps												
Base Fuel	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.38	\$ 4.46
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	-	-	-	-	-	-	-	-	-	-	161.30	161.30
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.40	\$ 0.81
Total less NOx	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.79	\$ 5.27
Base Fuel	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.38	\$ 4.46
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	161.30	161.30
Base Fuel (ozone)	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.38	\$ 4.46
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	-	-	-	-	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	161.30	161.30
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.40	\$ 0.81
Total with NOx	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 4.19	\$ 4.32	\$ 4.45	\$ 4.52	\$ 4.59	\$ 4.66	\$ 5.14	\$ 5.62
Weighted Avg	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.98	\$ 4.11	\$ 4.25	\$ 4.31	\$ 4.39	\$ 4.46	\$ 4.93	\$ 5.41
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	-	-	170	429	1,079	1,235	1,412	1,616	1,848	2,115	1,754	1,455
Maps Required Fuel w/adders (1997 \$000s)	-	-	8	22	60	70	82	96	112	131	59	-
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	3.59	3.71	3.98	4.11	4.25	4.31	4.39	4.46	4.93	5.41
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT3	-	-	2,257	5,824	15,025	17,013	19,262	22,152	25,475	29,295	12,046	-
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	3.59	3.71	3.84	3.97	4.10	4.17	4.24	4.31	4.38	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	8	22	58	67	79	92	108	126	53	-
Spot Purchases												
MMBtu	-	-	2,257	5,824	15,025	17,013	19,262	22,152	25,475	29,295	12,046	-
Cost of Spot Purchases (1997 \$000)	-	-	8	22	58	67	79	92	108	126	53	-
Total Fuel Cost-- Miami Fort GT3	-	-	8	22	58	67	79	92	108	126	53	-
SO2 Emissions (Tons) -- Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort GT3	-	-	-	-	1	1	1	1	1	1	1	-
CO2 Emissions (Tons) -- Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	971	-
SO2 Allowances Consumed (1997 \$000) -- Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Miami Fort GT3	-	-	-	-	2	2	3	3	4	4	2	-
CO2 Taxes (1997 \$000) -- Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	5	-
Recalculation of cost w/ adders												
	-	-	8	22	60	70	82	96	112	131	59	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Miami Fort GT4												
Retire Year		2009										
Unit Type		Distillate Oil										
NOx Scenario Start Year		2009										
Maps												
Base Fuel	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.38	\$ 4.46
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	-	-	-	-	-	-	-	-	-	-	161.30	161.30
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.40	\$ 0.81
Total less NOx	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.79	\$ 5.27
Base Fuel	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.38	\$ 4.46
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	161.30	161.30
Base Fuel (ozone)	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.38	\$ 4.46
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	-	-	-	-	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	161.30	161.30
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.40	\$ 0.81
Total with NOx	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 4.19	\$ 4.32	\$ 4.45	\$ 4.52	\$ 4.59	\$ 4.66	\$ 5.14	\$ 5.62
Weighted Avg	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.98	\$ 4.11	\$ 4.25	\$ 4.31	\$ 4.39	\$ 4.46	\$ 4.93	\$ 5.41
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	-	-	170	381	852	1,023	1,229	1,476	1,773	2,130	1,791	1,505
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	8	19	47	58	71	87	107	132	61	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT4	-	-	3.59	3.71	3.98	4.11	4.25	4.31	4.39	4.46	4.93	5.41
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	2,257	5,175	11,862	14,102	16,764	20,241	24,439	29,507	12,298	-
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	3.59	3.71	3.84	3.97	4.10	4.17	4.24	4.31	4.38	4.46
Spot Purchases	-	-	8	19	46	56	69	84	104	127	54	-
MMBtu	-	-	2,257	5,175	11,862	14,102	16,764	20,241	24,439	29,507	12,298	-
Cost of Spot Purchases (1997 \$000)	-	-	8	19	46	56	69	84	104	127	54	-
Total Fuel Cost-- Miami Fort GT4	-	-	8	19	46	58	69	84	104	127	54	-
SO2 Emissions (Tons) -- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort GT4	-	-	-	-	0	1	1	1	1	1	1	-
CO2 Emissions (Tons) -- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	992	-
SO2 Allowances Consumed (1997 \$000) -- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Miami Fort GT4	-	-	-	-	2	2	2	3	4	4	2	-
CO2 Taxes (1997 \$000) -- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	5	-
Recalculation of cost w/ adders	-	-	8	19	47	58	71	87	107	132	61	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Miami Fort GT5												
Retire Year			2009									
Unit Type			Distillate Oil									
NOx Scenario Start Year			2003									
Maps												
Base Fuel	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.38	\$ 4.46
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	-	-	-	-	-	-	-	-	-	-	161.30	161.30
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.40	\$ 0.81
Total less NOx	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.79	\$ 5.27
Base Fuel	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.38	\$ 4.46
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	161.30	161.30
Base Fuel (ozone)	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.38	\$ 4.46
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	-	-	-	-	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	161.30	161.30
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.40	\$ 0.81
Total with NOx	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 4.19	\$ 4.32	\$ 4.45	\$ 4.52	\$ 4.59	\$ 4.66	\$ 5.14	\$ 5.62
Weighted Avg	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.98	\$ 4.11	\$ 4.26	\$ 4.31	\$ 4.39	\$ 4.46	\$ 4.93	\$ 5.41
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	-	-	170	429	1,079	1,174	1,278	1,391	1,514	1,647	1,575	1,505
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	8	22	60	67	74	82	91	102	53	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT5	-	-	3.68	3.71	3.98	4.11	4.26	4.31	4.39	4.46	4.93	5.41
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	2,257	5,824	15,025	16,184	17,431	19,069	20,860	22,819	10,815	-
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	3.59	3.71	3.84	3.97	4.10	4.17	4.24	4.31	4.38	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	8	22	58	64	71	79	88	98	47	-
Spot Purchases												
MMBtu	-	-	2,257	5,824	15,025	16,184	17,431	19,069	20,860	22,819	10,815	-
Cost of Spot Purchases (1997 \$000)	-	-	8	22	58	64	71	79	88	98	47	-
Total Fuel Cost-- Miami Fort GT5	-	-	8	22	58	64	71	79	88	98	47	-
SO2 Emissions (Tons) -- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort GT5	-	-	-	-	1	1	1	1	1	1	0	-
CO2 Emissions (Tons) -- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	872	-
SO2 Allowances Consumed (1997 \$000) -- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Miami Fort GT5	-	-	-	-	2	2	3	3	3	3	2	-
CO2 Taxes (1997 \$000) -- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	4	-
Recalculation of cost w/ adders												
	-	-	8	22	60	67	74	82	91	102	53	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-6

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Miami Fort GT6												
Retire Year		2009										
Unit Type		Distillate Oil										
NOx Scenario Start Year		2003										
Maps												
Base Fuel	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.38	\$ 4.46
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	-	-	-	-	-	-	-	-	-	-	161.30	161.30
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.40	\$ 0.81
Total less NOx	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.79	\$ 5.27
Base Fuel	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.38	\$ 4.46
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	161.30	161.30
Base Fuel (ozone)	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.84	\$ 3.97	\$ 4.10	\$ 4.17	\$ 4.24	\$ 4.31	\$ 4.38	\$ 4.46
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	-	-	-	-	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	161.30	161.30
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.40	\$ 0.81
Total with NOx	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 4.19	\$ 4.32	\$ 4.45	\$ 4.52	\$ 4.59	\$ 4.66	\$ 5.14	\$ 5.62
Weighted Avg	\$ -	\$ -	\$ 3.59	\$ 3.71	\$ 3.98	\$ 4.11	\$ 4.25	\$ 4.31	\$ 4.39	\$ 4.46	\$ 4.93	\$ 5.41
Maps Generation (MWh)	-	-	170	429	1,079	1,236	1,416	1,622	1,859	2,130	1,791	1,505
Maps Required Fuel w/adders (1997 \$000s)	-	-	8	22	60	70	82	96	112	132	61	-
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	3.59	3.71	3.98	4.11	4.25	4.31	4.39	4.46	4.93	5.41
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT6	-	-	2,257	5,822	15,016	17,030	19,311	22,243	25,619	29,507	12,298	-
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	3.59	3.71	3.84	3.97	4.10	4.17	4.24	4.31	4.38	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	8	22	58	68	79	93	109	127	54	-
Spot Purchases												
MMBtu	-	-	2,257	5,822	15,016	17,030	19,311	22,243	25,619	29,507	12,298	-
Cost of Spot Purchases (1997 \$000)	-	-	8	22	58	68	79	93	109	127	54	-
Total Fuel Cost-- Miami Fort GT6	-	-	8	22	58	68	79	93	109	127	54	-
SO2 Emissions (Tons) -- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort GT6	-	-	-	-	1	1	1	1	1	1	1	-
CO2 Emissions (Tons) -- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	992	-
SO2 Allowances Consumed (1997 \$000) -- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Miami Fort GT6	-	-	-	-	2	2	3	3	4	4	2	-
CO2 Taxes (1997 \$000) -- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	5	-
Recalculation of cost w/ adders	-	-	8	22	60	70	82	96	112	132	61	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Miami Fort 5												
Retire Year												
Unit Type												
NOx Scenario Start Year												
Maps												
Base Fuel	\$ -	\$ -	\$ 1.00	\$ 0.99	\$ 0.98	\$ 0.97	\$ 0.96	\$ 0.93	\$ 0.91	\$ 0.89	\$ 0.87	\$ 0.85
SO2 Rate	-	-	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
SO2 Adder	\$ -	\$ -	\$ 0.28	\$ 0.30	\$ 0.33	\$ 0.36	\$ 0.38	\$ 0.41	\$ 0.45	\$ 0.48	\$ 0.52	\$ 0.56
CO2 Rate	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.52	\$ 1.04
Total less NOx	\$ -	\$ -	\$ 1.28	\$ 1.29	\$ 1.31	\$ 1.32	\$ 1.34	\$ 1.35	\$ 1.38	\$ 1.37	\$ 1.91	\$ 2.45
Base Fuel	\$ -	\$ -	\$ 1.00	\$ 0.99	\$ 0.98	\$ 0.97	\$ 0.96	\$ 0.93	\$ 0.91	\$ 0.89	\$ 0.87	\$ 0.85
SO2 Rate (Base)	-	-	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Base Fuel (ozone)	\$ -	\$ -	\$ 1.00	\$ 0.99	\$ 0.98	\$ 0.97	\$ 0.96	\$ 0.93	\$ 0.91	\$ 0.89	\$ 0.87	\$ 0.85
SO2 Rate (ozone)	-	-	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
SO2 Adder (ozone)	\$ -	\$ -	\$ 0.28	\$ 0.30	\$ 0.33	\$ 0.36	\$ 0.38	\$ 0.41	\$ 0.45	\$ 0.48	\$ 0.52	\$ 0.56
NOx Rate (ozone)	-	-	-	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 1.58	\$ 1.58	\$ 1.58	\$ 1.58	\$ 1.58	\$ 1.58	\$ 1.58	\$ 1.58
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.52	\$ 1.04
Total with NOx	\$ -	\$ -	\$ 1.28	\$ 1.29	\$ 2.88	\$ 2.90	\$ 2.92	\$ 2.92	\$ 2.93	\$ 2.95	\$ 3.49	\$ 4.03
Weighted Avg	\$ -	\$ -	\$ 1.28	\$ 1.29	\$ 1.96	\$ 1.98	\$ 2.00	\$ 2.01	\$ 2.02	\$ 2.03	\$ 2.57	\$ 3.11
Maps Generation (MWh)	-	-	74,667	66,483	59,196	70,388	83,896	99,519	118,334	140,706	68,645	33,489
Maps Required Fuel w/adders (1997 \$000s)	-	-	1,154	875	998	1,212	1,473	1,790	2,175	2,643	914	-
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	1.28	1.29	1.96	1.98	2.00	2.01	2.02	2.03	2.57	3.11
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 5	-	-	900,584	676,575	508,285	612,615	737,543	892,591	1,078,725	1,301,773	356,124	-
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	1.00	0.99	0.98	0.97	0.96	0.93	0.91	0.89	0.87	0.85
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	901	670	497	593	705	834	985	1,161	310	-
Spot Purchases	-	-	900,584	676,575	508,285	612,615	737,543	892,591	1,078,725	1,301,773	356,124	-
MMBtu	-	-	901	670	497	593	705	834	985	1,161	310	-
Cost of Spot Purchases (1997 \$000)	-	-	901	670	497	593	705	834	985	1,161	310	-
Total Fuel Cost-- Miami Fort 5	-	-	901	670	497	593	705	834	985	1,161	310	-
SO2 Emissions (Tons) -- Miami Fort 5	-	-	1,283	984	724	873	1,051	1,272	1,537	1,855	507	-
Seasonal NOx Emissions (Tons) -- Miami Fort 5	-	-	-	-	95	116	138	167	202	244	67	-
CO2 Emissions (Tons) -- Miami Fort 5	-	-	-	-	-	-	-	-	-	-	37,019	-
SO2 Allowances Consumed (1997 \$000) -- Miami Fort 5	-	-	253	205	167	218	284	370	482	627	185	-
NOx Allowances Consumed (1997 \$000) -- Miami Fort 5	-	-	-	-	334	402	484	566	708	854	234	-
CO2 Taxes (1997 \$000) -- Miami Fort 5	-	-	-	-	-	-	-	-	-	-	185	-
Recalculation of cost w/ adders	-	-	1,154	875	998	1,212	1,473	1,790	2,175	2,643	914	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Miami Fort 6												
Retire Year		2015										
Unit Type		Coal										
NOx Scenario Start Year		2003										
Maps												
Base Fuel	\$ -	\$ -	\$ 1.00	\$ 0.99	\$ 0.98	\$ 0.97	\$ 0.96	\$ 0.93	\$ 0.91	\$ 0.89	\$ 0.87	\$ 0.85
SO2 Rate	-	-	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
SO2 Adder	\$ -	\$ -	\$ 0.28	\$ 0.30	\$ 0.33	\$ 0.36	\$ 0.38	\$ 0.41	\$ 0.45	\$ 0.48	\$ 0.52	\$ 0.56
CO2 Rate	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.52	\$ 1.04
Total less NOx	\$ -	\$ -	\$ 1.28	\$ 1.29	\$ 1.31	\$ 1.32	\$ 1.34	\$ 1.35	\$ 1.36	\$ 1.37	\$ 1.91	\$ 2.45
Base Fuel	\$ -	\$ -	\$ 1.00	\$ 0.99	\$ 0.98	\$ 0.97	\$ 0.96	\$ 0.93	\$ 0.91	\$ 0.89	\$ 0.87	\$ 0.85
SO2 Rate (Base)	-	-	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Base Fuel (ozone)	\$ -	\$ -	\$ 1.00	\$ 0.99	\$ 0.98	\$ 0.97	\$ 0.96	\$ 0.93	\$ 0.91	\$ 0.89	\$ 0.87	\$ 0.85
SO2 Rate (ozone)	-	-	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
SO2 Adder (ozone)	\$ -	\$ -	\$ 0.28	\$ 0.30	\$ 0.33	\$ 0.36	\$ 0.38	\$ 0.41	\$ 0.45	\$ 0.48	\$ 0.52	\$ 0.56
NOx Rate (ozone)	-	-	-	-	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.40	\$ 0.40	\$ 0.40	\$ 0.40	\$ 0.40	\$ 0.40	\$ 0.40	\$ 0.40
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.52	\$ 1.04
Total with NOx	\$ -	\$ -	\$ 1.28	\$ 1.29	\$ 1.71	\$ 1.73	\$ 1.74	\$ 1.75	\$ 1.76	\$ 1.78	\$ 2.31	\$ 2.85
Weighted Avg	\$ -	\$ -	\$ 1.28	\$ 1.29	\$ 1.47	\$ 1.49	\$ 1.51	\$ 1.52	\$ 1.53	\$ 1.54	\$ 2.08	\$ 2.82
Maps Generation (MWh)	-	-	1,163,229	1,145,833	1,128,696	1,114,043	1,099,580	1,085,305	1,071,215	1,057,308	967,557	885,424
Maps Required Fuel w/adders (1997 \$000s)	-	-	14,365	14,292	16,067	16,016	15,966	15,915	15,865	15,815	18,834	22,430
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	1.28	1.29	1.47	1.49	1.51	1.52	1.53	1.54	2.08	2.82
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 6	-	-	11,209,029	11,051,038	10,895,275	10,744,760	10,581,109	10,492,379	10,385,283	10,259,664	9,062,807	8,566,644
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	1.00	0.99	0.98	0.97	0.96	0.93	0.91	0.89	0.87	0.85
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	11,219	10,936	10,660	10,394	10,120	9,804	9,480	9,149	7,896	7,291
Spot Purchases	-	-	11,209,029	11,051,038	10,895,275	10,744,760	10,581,109	10,492,379	10,385,283	10,259,664	9,062,807	8,566,644
MMBtu	-	-	11,209,029	11,051,038	10,895,275	10,744,760	10,581,109	10,492,379	10,385,283	10,259,664	9,062,807	8,566,644
Cost of Spot Purchases (1997 \$000)	-	-	11,219	10,936	10,660	10,394	10,120	9,804	9,480	9,149	7,896	7,291
Total Fuel Cost-- Miami Fort 6	-	-	11,219	10,936	10,660	10,394	10,120	9,804	9,480	9,149	7,896	7,291
SO2 Emissions (Tons) -- Miami Fort 6	-	-	15,973	15,748	15,525	15,311	15,078	14,852	14,799	14,620	12,914	12,207
Seasonal NOx Emissions (Tons) -- Miami Fort 6	-	-	-	-	522	515	507	503	498	492	434	410
CO2 Emissions (Tons) -- Miami Fort 6	-	-	-	-	-	-	-	-	-	-	942,079	890,503
SO2 Allowances Consumed (1997 \$000) -- Miami Fort 6	-	-	3,148	3,356	3,580	3,820	4,071	4,352	4,643	4,945	4,708	4,798
NOx Allowances Consumed (1997 \$000) -- Miami Fort 6	-	-	-	-	1,827	1,802	1,775	1,760	1,742	1,721	1,520	1,437
CO2 Taxes (1997 \$000) -- Miami Fort 6	-	-	-	-	-	-	-	-	-	-	4,710	8,905
Recalculation of cost w/ adders	-	-	14,365	14,292	16,067	16,016	15,966	15,915	15,865	15,815	18,834	22,430

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Miami Fort 7												
Retire Year		2015										
Unit Type		Coal										
NOx Scenario Start Year		2003										
Maps												
Base Fuel	\$ -	\$ -	\$ 1.00	\$ 0.99	\$ 0.98	\$ 0.97	\$ 0.96	\$ 0.93	\$ 0.91	\$ 0.89	\$ 0.87	\$ 0.85
SO2 Rate	-	-	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
SO2 Adder	\$ -	\$ -	\$ 0.28	\$ 0.30	\$ 0.33	\$ 0.36	\$ 0.38	\$ 0.41	\$ 0.45	\$ 0.48	\$ 0.52	\$ 0.56
CO2 Rate	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.52	\$ 1.04
Total less NOx	\$ -	\$ -	\$ 1.28	\$ 1.29	\$ 1.31	\$ 1.32	\$ 1.34	\$ 1.35	\$ 1.36	\$ 1.37	\$ 1.91	\$ 2.45
Base Fuel	\$ -	\$ -	\$ 1.00	\$ 0.99	\$ 0.98	\$ 0.97	\$ 0.96	\$ 0.93	\$ 0.91	\$ 0.89	\$ 0.87	\$ 0.85
SO2 Rate (Base)	-	-	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Base Fuel (ozone)	\$ -	\$ -	\$ 1.00	\$ 0.99	\$ 0.98	\$ 0.97	\$ 0.96	\$ 0.93	\$ 0.91	\$ 0.89	\$ 0.87	\$ 0.85
SO2 Rate (ozone)	-	-	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
SO2 Adder (ozone)	\$ -	\$ -	\$ 0.28	\$ 0.30	\$ 0.33	\$ 0.36	\$ 0.38	\$ 0.41	\$ 0.45	\$ 0.48	\$ 0.52	\$ 0.56
NOx Rate (ozone)	-	-	-	-	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.52	\$ 1.04
Total with NOx	\$ -	\$ -	\$ 1.28	\$ 1.29	\$ 1.44	\$ 1.45	\$ 1.47	\$ 1.48	\$ 1.49	\$ 1.50	\$ 2.04	\$ 2.58
Weighted Avg	\$ -	\$ -	\$ 1.28	\$ 1.29	\$ 1.36	\$ 1.38	\$ 1.40	\$ 1.40	\$ 1.41	\$ 1.43	\$ 1.96	\$ 2.50
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	-	-	1,966,471	2,030,448	2,096,507	2,106,815	2,117,174	2,127,583	2,138,044	2,148,557	1,858,089	1,606,891
Maps Required Fuel w/adders (1997 \$000s)	-	-	25,650	26,843	29,294	29,674	30,060	30,450	30,846	31,246	35,942	41,345
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	1.28	1.29	1.36	1.38	1.40	1.40	1.41	1.43	1.96	2.50
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 7	-	-	20,015,248	20,755,989	21,524,144	21,551,619	21,545,840	21,702,208	21,816,382	21,886,067	18,296,598	16,507,475
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	1.00	0.99	0.98	0.97	0.96	0.93	0.91	0.89	0.87	0.85
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	20,033	20,540	21,059	20,848	20,607	20,278	19,915	19,517	15,940	14,050
Spot Purchases												
MMBtu	-	-	20,015,248	20,755,989	21,524,144	21,551,619	21,545,840	21,702,208	21,816,382	21,886,067	18,296,598	16,507,475
Cost of Spot Purchases (1997 \$000)	-	-	20,033	20,540	21,059	20,848	20,607	20,278	19,915	19,517	15,940	14,050
Total Fuel Cost-- Miami Fort 7	-	-	20,033	20,540	21,059	20,848	20,607	20,278	19,915	19,517	15,940	14,050
SO2 Emissions (Tons) -- Miami Fort 7	-	-	28,522	29,577	30,872	30,711	30,703	30,926	31,088	31,188	26,073	23,523
Seasonal NOx Emissions (Tons) -- Miami Fort 7	-	-	-	-	332	332	332	335	336	337	282	264
CO2 Emissions (Tons) -- Miami Fort 7	-	-	-	-	-	-	-	-	-	-	1,901,931	1,715,952
SO2 Allowances Consumed (1997 \$000) -- Miami Fort 7	-	-	5,617	6,303	7,073	7,663	8,290	9,001	9,754	10,548	9,505	9,245
NOx Allowances Consumed (1997 \$000) -- Miami Fort 7	-	-	-	-	1,161	1,163	1,163	1,171	1,177	1,181	967	891
CO2 Taxes (1997 \$000) -- Miami Fort 7	-	-	-	-	-	-	-	-	-	-	9,510	17,160
Recalculation of cost w/ adders												
	-	-	25,650	26,843	29,294	29,674	30,060	30,450	30,846	31,246	35,942	41,345

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Miami Fort 8												
Retire Year	2018											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ -	\$ -	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.12	\$ 1.11	\$ 1.10	\$ 1.10	\$ 1.09
SO2 Rate	-	-	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
SO2 Adder	\$ -	\$ -	\$ 0.12	\$ 0.13	\$ 0.14	\$ 0.15	\$ 0.16	\$ 0.17	\$ 0.19	\$ 0.20	\$ 0.22	\$ 0.24
CO2 Rate	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.52	\$ 1.04
Total less NOx	\$ -	\$ -	\$ 1.25	\$ 1.26	\$ 1.27	\$ 1.28	\$ 1.29	\$ 1.30	\$ 1.30	\$ 1.31	\$ 1.83	\$ 2.36
Base Fuel	\$ -	\$ -	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.12	\$ 1.11	\$ 1.10	\$ 1.10	\$ 1.09
SO2 Rate (Base)	-	-	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Base Fuel (ozone)	\$ -	\$ -	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.12	\$ 1.11	\$ 1.10	\$ 1.10	\$ 1.09
SO2 Rate (ozone)	-	-	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
SO2 Adder (ozone)	\$ -	\$ -	\$ 0.12	\$ 0.13	\$ 0.14	\$ 0.15	\$ 0.16	\$ 0.17	\$ 0.19	\$ 0.20	\$ 0.22	\$ 0.24
NOx Rate (ozone)	-	-	-	-	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.52	\$ 1.04
Total with NOx	\$ -	\$ -	\$ 1.25	\$ 1.26	\$ 1.40	\$ 1.41	\$ 1.42	\$ 1.42	\$ 1.43	\$ 1.43	\$ 1.96	\$ 2.49
Weighted Avg	\$ -	\$ -	\$ 1.25	\$ 1.26	\$ 1.32	\$ 1.33	\$ 1.34	\$ 1.35	\$ 1.35	\$ 1.36	\$ 1.88	\$ 2.42
Maps Generation (MWh)	-	-	2,019,282	2,119,416	2,224,516	2,244,995	2,265,662	2,286,519	2,307,569	2,328,812	2,136,034	1,959,214
Maps Required Fuel w/adders (1997 \$000s)	-	-	25,693	27,220	30,085	30,534	31,010	31,494	31,985	32,484	39,722	48,572
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	1.25	1.26	1.32	1.33	1.34	1.35	1.35	1.36	1.89	2.42
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 8	-	-	20,551,584	21,616,142	22,735,843	22,904,365	23,059,636	23,350,368	23,626,612	23,886,634	21,049,647	20,108,636
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	1.13	1.13	1.13	1.13	1.13	1.12	1.11	1.10	1.10	1.09
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	23,264	24,456	25,709	25,886	26,047	26,173	26,280	26,366	23,056	21,857
Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-
MMBtu	-	-	20,551,584	21,616,142	22,735,843	22,904,365	23,059,636	23,350,368	23,626,612	23,886,634	21,049,647	20,108,636
Cost of Spot Purchases (1997 \$000)	-	-	23,264	24,456	25,709	25,886	26,047	26,173	26,280	26,366	23,056	21,857
Total Fuel Cost - Miami Fort 8	-	-	23,264	24,456	25,709	25,886	26,047	26,173	26,280	26,366	23,056	21,857
SO2 Emissions (Tons) -- Miami Fort 8	-	-	12,331	12,970	13,642	13,743	13,836	14,010	14,176	14,332	12,630	12,065
Seasonal NOx Emissions (Tons) -- Miami Fort 8	-	-	-	-	348	348	351	355	359	363	320	306
CO2 Emissions (Tons) -- Miami Fort 8	-	-	-	-	-	-	-	-	-	-	2,188,111	2,090,293
SO2 Allowances Consumed (1997 \$000) -- Miami Fort 8	-	-	2,428	2,764	3,146	3,429	3,736	4,078	4,448	4,847	4,605	4,742
NOx Allowances Consumed (1997 \$000) -- Miami Fort 8	-	-	-	-	1,210	1,219	1,227	1,243	1,258	1,271	1,120	1,070
CO2 Taxes (1997 \$000) -- Miami Fort 8	-	-	-	-	-	-	-	-	-	-	10,941	20,903
Recalculation of cost w/ adders	-	-	26,693	27,220	30,085	30,634	31,010	31,494	31,985	32,484	39,722	48,572

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

			1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010										
Stuart 1																								
Retire Year	2021																							
Unit Type	Coal																							
NOx Scenario Start Year	2003																							
Maps																								
Base Fuel	\$	-	\$	-	\$	1.13	\$	1.13	\$	1.13	\$	1.12	\$	1.11	\$	1.10								
SO2 Rate	-	-	-	-	-	1.60	-	1.60	-	1.60	-	1.60	-	1.60	-	1.60								
SO2 Adder	\$	-	\$	-	\$	0.16	\$	0.17	\$	0.18	\$	0.22	\$	0.23	\$	0.29	\$	0.31						
CO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-	-	207.90	-	207.90								
CO2 Adder	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	0.52	\$	1.04						
Total less NOx	\$	-	\$	-	\$	1.29	\$	1.30	\$	1.32	\$	1.36	\$	1.37	\$	1.39	\$	1.92	\$	2.46				
Base Fuel	\$	-	\$	-	\$	1.13	\$	1.13	\$	1.13	\$	1.13	\$	1.12	\$	1.12	\$	1.11	\$	1.10				
SO2 Rate (Base)	-	-	-	-	-	1.60	-	1.60	-	1.60	-	1.60	-	1.60	-	1.60	-	1.60	-	1.60				
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-	-	207.90	-	207.90	-	-	-	207.90				
Base Fuel (ozone)	\$	-	\$	-	\$	1.13	\$	1.13	\$	1.13	\$	1.13	\$	1.12	\$	1.12	\$	1.11	\$	1.10				
SO2 Rate (ozone)	-	-	-	-	-	1.60	-	1.60	-	1.60	-	1.60	-	1.60	-	1.60	-	1.60	-	1.60				
SO2 Adder (ozone)	\$	-	\$	-	\$	0.16	\$	0.17	\$	0.18	\$	0.22	\$	0.23	\$	0.25	\$	0.27	\$	0.29	\$	0.31		
NOx Rate (ozone)	-	-	-	-	-	-	-	0.14	-	0.14	-	0.14	-	0.14	-	0.14	-	0.14	-	0.14				
NOx Adder (ozone)	\$	-	\$	-	\$	-	\$	0.25	\$	0.25	\$	0.25	\$	0.25	\$	0.25	\$	0.25	\$	0.25	\$	0.25		
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-	-	207.90	-	207.90	-	-	-	207.90				
CO2 Adder (ozone)	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	0.52	\$	1.04				
Total with NOx	\$	-	\$	-	\$	1.29	\$	1.30	\$	1.56	\$	1.58	\$	1.59	\$	1.61	\$	1.62	\$	1.63	\$	2.17	\$	2.70
Weighted Avg	\$	-	\$	-	\$	1.29	\$	1.30	\$	1.42	\$	1.43	\$	1.45	\$	1.46	\$	1.48	\$	1.49	\$	2.02	\$	2.56
Maps Generation (MWh)	-	-	-	-	1,677,360	1,677,806	1,678,266	1,668,517	1,658,835	1,649,208	1,639,638	1,630,123	1,532,196	1,440,152										
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	20,295	20,383	22,076	22,252	22,429	22,607	22,787	22,968	28,262	34,777										
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	-	-	1.29	1.30	1.42	1.43	1.45	1.46	1.48	1.49	2.02	2.56										
Maps Req. Spot Purchases (MMBtu) -- Stuart 1	-	-	-	-	15,786,982	15,681,137	15,576,001	15,518,625	15,450,263	15,455,747	15,448,033	15,426,418	13,963,651	13,580,615										
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	-	-	1.13	1.13	1.13	1.13	1.13	1.13	1.12	1.12	1.11	1.10										
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	17,807	17,710	17,613	17,570	17,514	17,430	17,332	17,219	15,506	15,003										
Spot Purchases																								
MMBtu	-	-	-	-	15,786,982	15,681,137	15,576,001	15,518,625	15,450,263	15,455,747	15,448,033	15,426,418	13,963,651	13,580,615										
Cost of Spot Purchases (1997 \$000)	-	-	-	-	17,807	17,710	17,613	17,570	17,514	17,430	17,332	17,219	15,506	15,003										
Total Fuel Cost-- Stuart 1	-	-	-	-	17,807	17,710	17,613	17,570	17,514	17,430	17,332	17,219	15,506	15,003										
SO2 Emissions (Tons) -- Stuart 1	-	-	-	-	12,630	12,545	12,461	12,415	12,380	12,365	12,358	12,341	11,171	10,864										
Seasonal NOx Emissions (Tons) -- Stuart 1	-	-	-	-	-	-	454	453	451	451	451	450	407	396										
CO2 Emissions (Tons) -- Stuart 1	-	-	-	-	-	-	-	-	-	-	-	-	1,451,522	1,411,705										
SO2 Allowances Consumed (1997 \$000) -- Stuart 1	-	-	-	-	2,487	2,873	2,873	3,098	3,337	3,599	3,877	4,174	4,073	4,270										
NOx Allowances Consumed (1997 \$000) -- Stuart 1	-	-	-	-	-	-	1,590	1,594	1,577	1,578	1,577	1,575	1,425	1,386										
CO2 Taxes (1997 \$000) -- Stuart 1	-	-	-	-	-	-	-	-	-	-	-	-	7,258	14,117										
Recalculation of cost w/ adders	-	-	-	-	20,295	20,383	22,076	22,252	22,429	22,607	22,787	22,968	28,262	34,777										

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

		1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010			
Stuart 2																
Retire Year	2021															
Unit Type	Coal															
NOx Scenario Start Year	2003															
Maps																
Base Fuel	\$	-	\$	-	\$	1.13	\$	1.13	\$	1.13	\$	1.12	\$	1.11	\$	1.10
SO2 Rate		-		-		1.60		1.60		1.60		1.60		1.60		1.60
SO2 Adder	\$	-	\$	-	\$	0.16	\$	0.17	\$	0.18	\$	0.20	\$	0.22	\$	0.23
CO2 Rate		-		-		-		-		-		-		-	207.90	207.90
CO2 Adder	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	0.52
Total less NOx	\$	-	\$	-	\$	1.29	\$	1.30	\$	1.32	\$	1.33	\$	1.35	\$	1.36
Base Fuel	\$	-	\$	-	\$	1.13	\$	1.13	\$	1.13	\$	1.13	\$	1.12	\$	1.12
SO2 Rate (Base)		-		-		1.60		1.60		1.60		1.60		1.60		1.60
CO2 Rate (Base)		-		-		-		-		-		-		-	207.90	207.90
Base Fuel (ozone)	\$	-	\$	-	\$	1.13	\$	1.13	\$	1.13	\$	1.13	\$	1.12	\$	1.12
SO2 Rate (ozone)		-		-		1.60		1.60		1.60		1.60		1.60		1.60
SO2 Adder (ozone)	\$	-	\$	-	\$	0.16	\$	0.17	\$	0.18	\$	0.20	\$	0.22	\$	0.23
NOx Rate (ozone)		-		-		-		0.14		0.14		0.14		0.14		0.14
NOx Adder (ozone)	\$	-	\$	-	\$	-	\$	0.25	\$	0.25	\$	0.25	\$	0.25	\$	0.25
CO2 Rate (ozone)		-		-		-		-		-		-		-	207.90	207.90
CO2 Adder (ozone)	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	0.52
Total w/NOx	\$	-	\$	-	\$	1.29	\$	1.30	\$	1.56	\$	1.58	\$	1.59	\$	1.61
Weighted Avg	\$	-	\$	-	\$	1.29	\$	1.30	\$	1.42	\$	1.43	\$	1.45	\$	1.46
Maps Generation (MWh)	-	-	-	1,646,441	1,649,866	1,653,339	1,650,000	1,646,668	1,643,342	1,640,023	1,636,711	1,567,529	1,501,271			
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	19,825	20,122	22,024	22,151	22,279	22,408	22,537	22,667	28,605	36,098			
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	-	1.29	1.30	1.42	1.43	1.45	1.46	1.48	1.49	2.02	2.56			
Maps Req. Spot Purchases (MMBtu) -- Stuart 2	-	-	-	15,421,320	15,480,119	15,539,141	15,448,472	15,347,209	15,319,506	15,278,797	15,224,474	14,133,077	14,096,707			
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	-	1.13	1.13	1.13	1.13	1.13	1.13	1.12	1.12	1.11	1.10			
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	17,395	17,483	17,571	17,491	17,397	17,277	17,142	16,994	15,694	15,574			
Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-	-			
MMBtu	-	-	-	15,421,320	15,480,119	15,539,141	15,448,472	15,347,209	15,319,506	15,278,797	15,224,474	14,133,077	14,096,707			
Cost of Spot Purchases (1997 \$000)	-	-	-	17,395	17,483	17,571	17,491	17,397	17,277	17,142	16,994	15,694	15,574			
Total Fuel Cost-- Stuart 2	-	-	-	17,395	17,483	17,571	17,491	17,397	17,277	17,142	16,994	15,694	15,574			
SO2 Emissions (Tons) -- Stuart 2	-	-	-	12,337	12,384	12,431	12,359	12,278	12,256	12,223	12,180	11,306	11,277			
Seasonal NOx Emissions (Tons) -- Stuart 2	-	-	-	-	-	453	451	448	447	446	444	412	411			
CO2 Emissions (Tons) -- Stuart 2	-	-	-	-	-	-	-	-	-	-	-	1,469,133	1,465,353			
SO2 Allowances Consumed (1997 \$000) -- Stuart 2	-	-	-	2,430	2,639	2,867	3,084	3,316	3,567	3,835	4,119	4,122	4,432			
NOx Allowances Consumed (1997 \$000) -- Stuart 2	-	-	-	-	-	1,686	1,577	1,567	1,564	1,560	1,554	1,443	1,439			
CO2 Taxes (1997 \$000) -- Stuart 2	-	-	-	-	-	-	-	-	-	-	-	7,346	14,654			
Recalculation of cost w/ adders	-	-	-	19,825	20,122	22,024	22,151	22,279	22,408	22,537	22,667	28,605	36,098			

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Stuart 3												
Retire Year	2021											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ -	\$ -	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.12	\$ 1.12	\$ 1.11	\$ 1.10
SO2 Rate	-	-	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
SO2 Adder	\$ -	\$ -	\$ 0.16	\$ 0.17	\$ 0.18	\$ 0.20	\$ 0.22	\$ 0.23	\$ 0.25	\$ 0.27	\$ 0.29	\$ 0.31
CO2 Rate	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.52	\$ 1.04
Total less NOx	\$ -	\$ -	\$ 1.29	\$ 1.30	\$ 1.32	\$ 1.33	\$ 1.35	\$ 1.36	\$ 1.37	\$ 1.39	\$ 1.92	\$ 2.46
Base Fuel	\$ -	\$ -	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.12	\$ 1.12	\$ 1.11	\$ 1.10
SO2 Rate (Base)	-	-	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Base Fuel (ozone)	\$ -	\$ -	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.12	\$ 1.12	\$ 1.11	\$ 1.10
SO2 Rate (ozone)	-	-	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
SO2 Adder (ozone)	\$ -	\$ -	\$ 0.16	\$ 0.17	\$ 0.18	\$ 0.20	\$ 0.22	\$ 0.23	\$ 0.25	\$ 0.27	\$ 0.29	\$ 0.31
NOx Rate (ozone)	-	-	-	-	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.52	\$ 1.04
Total with NOx	\$ -	\$ -	\$ 1.29	\$ 1.30	\$ 1.56	\$ 1.58	\$ 1.59	\$ 1.61	\$ 1.62	\$ 1.63	\$ 2.17	\$ 2.70
Weighted Avg	\$ -	\$ -	\$ 1.29	\$ 1.30	\$ 1.42	\$ 1.43	\$ 1.45	\$ 1.46	\$ 1.48	\$ 1.49	\$ 2.02	\$ 2.56
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	-	-	1,646,568	1,652,164	1,657,779	1,641,893	1,626,158	1,610,575	1,595,140	1,579,854	1,437,041	1,307,138
Maps Required Fuel w/adders (1997 \$000s)	-	-	20,126	20,277	22,030	22,074	22,118	22,162	22,206	22,250	26,664	31,952
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	1.29	1.30	1.42	1.43	1.45	1.46	1.48	1.49	2.02	2.56
Maps Req. Spot Purchases (MMBtu) -- Stuart 3	-	-	15,655,436	15,599,057	15,542,881	15,394,196	15,235,891	15,161,310	15,054,335	14,944,510	13,173,897	12,477,666
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	1.13	1.13	1.13	1.13	1.13	1.13	1.12	1.12	1.11	1.10
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	17,659	17,617	17,576	17,429	17,271	17,087	16,891	16,681	14,629	13,785
Spot Purchases												
MMBtu	-	-	15,655,436	15,599,057	15,542,881	15,394,196	15,235,891	15,161,310	15,054,335	14,944,510	13,173,897	12,477,666
Cost of Spot Purchases (1997 \$000)	-	-	17,659	17,617	17,576	17,429	17,271	17,087	16,891	16,681	14,629	13,785
Total Fuel Cost-- Stuart 3	-	-	17,660	17,617	17,576	17,429	17,271	17,087	16,891	16,681	14,629	13,785
SO2 Emissions (Tons) -- Stuart 3	-	-	12,524	12,479	12,434	12,315	12,189	12,121	12,043	11,956	10,539	9,982
Seasonal NOx Emissions (Tons) -- Stuart 3	-	-	-	-	453	449	444	442	439	436	364	364
CO2 Emissions (Tons) -- Stuart 3	-	-	-	-	-	-	-	-	-	-	1,369,427	1,297,053
SO2 Allowances Consumed (1997 \$000) -- Stuart 3	-	-	2,467	2,659	2,867	3,073	3,291	3,528	3,779	4,043	3,942	3,923
NOx Allowances Consumed (1997 \$000) -- Stuart 3	-	-	-	-	1,587	1,571	1,555	1,547	1,537	1,528	1,346	1,274
CO2 Taxes (1997 \$000) -- Stuart 3	-	-	-	-	-	-	-	-	-	-	6,847	12,971
Recalculation of cost w/ adders	-	-	20,126	20,277	22,030	22,074	22,118	22,162	22,206	22,250	26,664	31,952

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Stuart 4												
Retire Year	2021											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ -	\$ -	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.12	\$ 1.12	\$ 1.11	\$ 1.10
SO2 Rate	-	-	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
SO2 Adder	\$ -	\$ -	\$ 0.16	\$ 0.17	\$ 0.18	\$ 0.20	\$ 0.22	\$ 0.23	\$ 0.25	\$ 0.27	\$ 0.29	\$ 0.31
CO2 Rate	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.52	\$ 1.04
Total less NOx	\$ -	\$ -	\$ 1.29	\$ 1.30	\$ 1.32	\$ 1.33	\$ 1.35	\$ 1.36	\$ 1.37	\$ 1.39	\$ 1.92	\$ 2.46
Base Fuel	\$ -	\$ -	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.12	\$ 1.12	\$ 1.11	\$ 1.10
SO2 Rate (Base)	-	-	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Base Fuel (ozone)	\$ -	\$ -	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.13	\$ 1.12	\$ 1.12	\$ 1.11	\$ 1.10
SO2 Rate (ozone)	-	-	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
SO2 Adder (ozone)	\$ -	\$ -	\$ 0.16	\$ 0.17	\$ 0.18	\$ 0.20	\$ 0.22	\$ 0.23	\$ 0.25	\$ 0.27	\$ 0.29	\$ 0.31
NOx Rate (ozone)	-	-	-	-	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.21	\$ 0.21	\$ 0.21	\$ 0.21	\$ 0.21	\$ 0.21	\$ 0.21	\$ 0.21
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.52	\$ 1.04
Total with NOx	\$ -	\$ -	\$ 1.29	\$ 1.30	\$ 1.53	\$ 1.54	\$ 1.56	\$ 1.57	\$ 1.58	\$ 1.80	\$ 2.13	\$ 2.67
Weighted Avg	\$ -	\$ -	\$ 1.29	\$ 1.30	\$ 1.40	\$ 1.42	\$ 1.44	\$ 1.45	\$ 1.46	\$ 1.47	\$ 2.01	\$ 2.55
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	-	-	1,656,201	1,667,392	1,678,658	1,670,936	1,663,249	1,655,598	1,647,981	1,640,400	1,538,647	1,443,205
Maps Required Fuel w/adders (1997 \$000s)	-	-	20,133	20,580	22,453	22,571	22,691	22,811	22,931	23,052	26,304	34,752
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	1.28	1.30	1.40	1.42	1.44	1.45	1.46	1.47	2.01	2.55
Maps Req. Spot Purchases (MMBtu) -- Stuart 4	-	-	15,881,298	15,832,811	16,006,202	15,903,209	15,789,340	15,752,018	15,701,241	15,636,407	14,085,905	13,648,760
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	1.13	1.13	1.13	1.13	1.13	1.13	1.12	1.12	1.11	1.10
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	17,666	17,881	18,100	18,005	17,899	17,765	17,616	17,453	15,642	15,079
Spot Purchases												
MMBtu	-	-	15,881,298	15,832,811	16,006,202	15,903,209	15,789,340	15,752,018	15,701,241	15,636,407	14,085,905	13,648,760
Cost of Spot Purchases (1997 \$000)	-	-	17,666	17,881	18,100	18,005	17,899	17,765	17,616	17,453	15,642	15,079
Total Fuel Cost-- Stuart 4	-	-	17,666	17,881	18,100	18,005	17,899	17,765	17,616	17,453	15,642	15,079
SO2 Emissions (Tons) -- Stuart 4	-	-	12,529	12,666	12,806	12,723	12,631	12,602	12,561	12,509	11,269	10,919
Seasonal NOx Emissions (Tons) -- Stuart 4	-	-	-	-	400	398	395	394	393	391	352	341
CO2 Emissions (Tons) -- Stuart 4	-	-	-	-	-	-	-	-	-	-	1,464,230	1,418,789
SO2 Allowances Consumed (1997 \$000) -- Stuart 4	-	-	2,467	2,689	2,953	3,175	3,410	3,668	3,941	4,231	4,108	4,291
NOx Allowances Consumed (1997 \$000) -- Stuart 4	-	-	-	-	1,401	1,392	1,382	1,378	1,374	1,368	1,233	1,194
CO2 Taxes (1997 \$000) -- Stuart 4	-	-	-	-	-	-	-	-	-	-	7,321	14,188
Recalculation of cost w/ adders	-	-	20,133	20,580	22,453	22,571	22,691	22,811	22,931	23,052	26,304	34,752

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Woodsdale GT1												
Retire Year		2026										
Unit Type		Gas										
NOx Scenario Start Year		2003										
Maps												
Base Fuel	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.58	\$ 2.62
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	-	-	-	-	-	-	-	-	-	-	117.00	117.00
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.29	0.59
Total less NOx	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.87	\$ 3.21
Base Fuel	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.58	\$ 2.62
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	117.00	117.00
Base Fuel (ozone)	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.58	\$ 2.62
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	-	-	-	-	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	117.00	117.00
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.29	0.59
Total with NOx	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.56	\$ 2.58	\$ 2.60	\$ 2.69	\$ 2.87	\$ 2.71	\$ 3.05	\$ 3.38
Weighted Avg	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.46	\$ 2.48	\$ 2.49	\$ 2.53	\$ 2.57	\$ 2.61	\$ 2.95	\$ 3.28
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	-	-	3,388	7,472	16,478	16,944	17,423	17,915	18,421	18,942	16,939	15,147
Maps Required Fuel w/adders (1997 \$000s)	-	-	80	185	440	461	482	504	528	552	557	561
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	2.36	2.37	2.46	2.48	2.49	2.53	2.57	2.61	2.95	3.28
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT1	-	-	33,937	77,896	178,792	185,918	193,327	199,199	205,243	211,465	189,064	171,193
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	2.36	2.37	2.39	2.40	2.42	2.46	2.50	2.54	2.58	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	80	185	427	447	468	490	513	537	488	449
Spot Purchases												
MMBtu	-	-	33,937	77,896	178,792	185,918	193,327	199,199	205,243	211,465	189,064	171,193
Cost of Spot Purchases (1997 \$000)	-	-	80	185	427	447	468	490	513	537	488	449
Total Fuel Cost-- Woodsdale GT1	-	-	80	185	427	447	468	490	513	537	488	449
SO2 Emissions (Tons) -- Woodsdale GT1	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT1	-	-	-	-	4	4	4	4	4	4	4	4
CO2 Emissions (Tons) -- Woodsdale GT1	-	-	-	-	-	-	-	-	-	-	11,060	10,015
SO2 Allowances Consumed (1997 \$000) -- Woodsdale GT1	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Woodsdale GT1	-	-	-	-	13	14	14	15	15	15	14	12
CO2 Taxes (1997 \$000) -- Woodsdale GT1	-	-	-	-	-	-	-	-	-	-	55	100
Recalculation of cost w/ adders												
	-	-	80	185	440	461	482	504	528	552	557	561

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Woodsdale GT2												
Retire Year	2027											
Unit Type	Gas											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.58	\$ 2.62
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	-	-	-	-	-	-	-	-	-	-	117.00	117.00
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.29	0.59
Total less NOx	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.58	\$ 2.62
Base Fuel	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.58	\$ 2.62
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	117.00	117.00
Base Fuel (ozone)	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.58	\$ 2.62
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	-	-	-	-	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	117.00	117.00
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.29	0.59
Total with NOx	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.66	\$ 2.68	\$ 2.60	\$ 2.63	\$ 2.67	\$ 2.71	\$ 3.05	\$ 3.38
Weighted Avg	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.46	\$ 2.48	\$ 2.49	\$ 2.53	\$ 2.57	\$ 2.61	\$ 2.95	\$ 3.28
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	-	-	3,542	7,675	16,632	17,041	17,489	17,888	18,328	18,778	18,621	14,712
Maps Required Fuel w/adders (1997 \$000s)	-	-	84	190	445	464	483	504	525	548	546	545
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	2.36	2.37	2.46	2.48	2.49	2.53	2.57	2.61	2.95	3.28
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT2	-	-	35,584	80,174	180,639	187,125	193,843	198,972	204,231	209,624	185,540	166,318
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	2.36	2.37	2.39	2.40	2.42	2.46	2.50	2.54	2.58	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	84	190	432	450	469	489	510	532	479	436
Spot Purchases												
MMBtu	-	-	35,584	80,174	180,639	187,125	193,843	198,972	204,231	209,624	185,540	166,318
Cost of Spot Purchases (1997 \$000)	-	-	84	190	432	450	469	489	510	532	479	436
Total Fuel Cost-- Woodsdale GT2	-	-	84	190	432	450	469	489	510	532	479	436
SO2 Emissions (Tons) -- Woodsdale GT2	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT2	-	-	-	-	4	4	4	4	4	4	4	3
CO2 Emissions (Tons) -- Woodsdale GT2	-	-	-	-	-	-	-	-	-	-	10,854	9,730
SO2 Allowances Consumed (1997 \$000) -- Woodsdale GT2	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Woodsdale GT2	-	-	-	-	13	14	14	15	15	15	14	12
CO2 Taxes (1997 \$000) -- Woodsdale GT2	-	-	-	-	-	-	-	-	-	-	54	97
Recalculation of cost w/ adders	-	-	84	190	445	464	483	504	525	548	546	545

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Woodsdale GT3												
Retire Year	2027											
Unit Type	Gas											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.58	\$ 2.62
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	-	-	-	-	-	-	-	-	-	-	117.00	117.00
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.28	0.59
Total less NOx	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.67	\$ 3.21
Base Fuel	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.58	\$ 2.62
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	117.00	117.00
Base Fuel (ozone)	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.58	\$ 2.62
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	-	-	-	-	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	117.00	117.00
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.28	0.59
Total with NOx	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.56	\$ 2.58	\$ 2.60	\$ 2.63	\$ 2.67	\$ 2.71	\$ 3.05	\$ 3.38
Weighted Avg	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.46	\$ 2.48	\$ 2.49	\$ 2.53	\$ 2.57	\$ 2.61	\$ 2.95	\$ 3.28
Maps Generation (MWh)	-	-	3,451	7,526	16,413	16,364	16,315	16,267	16,218	16,170	16,742	17,335
Maps Required Fuel w/adders (1997 \$000s)	-	-	82	186	439	446	453	461	469	476	554	643
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	2.36	2.37	2.46	2.48	2.49	2.53	2.57	2.61	2.95	3.28
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT3	-	-	34,612	78,624	178,150	179,973	181,814	181,999	182,180	182,356	187,924	196,133
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	2.36	2.37	2.39	2.40	2.42	2.46	2.50	2.54	2.58	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	82	186	426	433	440	448	455	463	485	514
Spot Purchases												
MMBtu	-	-	34,612	78,624	178,150	179,973	181,814	181,999	182,180	182,356	187,924	196,133
Cost of Spot Purchases (1997 \$000)	-	-	82	186	426	433	440	448	455	463	485	514
Total Fuel Cost-- Woodsdale GT3	-	-	82	186	426	433	440	448	455	463	485	514
SO2 Emissions (Tons) -- Woodsdale GT3	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT3	-	-	-	-	4	4	4	4	4	4	4	4
CO2 Emissions (Tons) -- Woodsdale GT3	-	-	-	-	-	-	-	-	-	-	10,994	11,474
SO2 Allowances Consumed (1997 \$000) -- Woodsdale GT3	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Woodsdale GT3	-	-	-	-	13	13	13	13	13	13	14	14
CO2 Taxes (1997 \$000) -- Woodsdale GT3	-	-	-	-	-	-	-	-	-	-	56	115
Recalculation of cost w/ adders	-	-	82	186	439	446	453	461	469	476	554	643

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Woodsdale GT4												
Retire Year	2027											
Unit Type	Gas											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.58	\$ 2.62
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	-	-	-	-	-	-	-	-	-	-	117.00	117.00
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.29	\$ 0.59
Total less NOx	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.58	\$ 3.21
Base Fuel	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.58	\$ 2.62
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	117.00	117.00
Base Fuel (ozone)	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.58	\$ 2.62
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	-	-	-	-	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	117.00	117.00
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.29	\$ 0.59
Total with NOx	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.66	\$ 2.68	\$ 2.60	\$ 2.63	\$ 2.67	\$ 2.71	\$ 3.05	\$ 3.38
Weighted Avg	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.46	\$ 2.48	\$ 2.49	\$ 2.53	\$ 2.57	\$ 2.61	\$ 2.95	\$ 3.28
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	-	-	3,388	7,040	14,630	15,252	15,901	16,578	17,283	18,018	17,758	17,501
Maps Required Fuel w/adders (1997 \$000s)	-	-	80	175	393	416	441	468	496	528	584	650
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	2.36	2.37	2.46	2.48	2.49	2.53	2.57	2.61	2.85	3.28
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT4	-	-	33,937	73,563	159,456	167,980	176,958	184,716	192,810	201,253	198,388	198,080
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	2.36	2.37	2.39	2.40	2.42	2.46	2.50	2.54	2.58	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	80	175	381	404	428	454	482	511	512	519
Spot Purchases												
MMBtu	-	-	33,937	73,563	159,456	167,980	176,958	184,716	192,810	201,253	198,388	198,080
Cost of Spot Purchases (1997 \$000)	-	-	80	175	381	404	428	454	482	511	512	519
Total Fuel Cost-- Woodsdale GT4	-	-	80	175	381	404	428	454	482	511	512	519
SO2 Emissions (Tons) -- Woodsdale GT4	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT4	-	-	-	-	3	3	4	4	4	4	4	4
CO2 Emissions (Tons) -- Woodsdale GT4	-	-	-	-	-	-	-	-	-	-	11,606	11,588
SO2 Allowances Consumed (1997 \$000) -- Woodsdale GT4	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Woodsdale GT4	-	-	-	-	12	12	13	13	14	15	14	14
CO2 Taxes (1997 \$000) -- Woodsdale GT4	-	-	-	-	-	-	-	-	-	-	58	116
Recalculation of cost w/ adders												
	-	-	80	175	393	416	441	468	496	528	584	650

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Woodsdale GT5												
Retire Year												
Unit Type												
NOx Scenario Start Year												
Maps												
Base Fuel	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.58	\$ 2.62
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	-	-	-	-	-	-	-	-	-	-	117.00	117.00
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.29	0.59
Total less NOx	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.57	\$ 3.21
Base Fuel	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.58	\$ 2.62
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	117.00	117.00
Base Fuel (ozone)	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.58	\$ 2.62
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	-	-	-	-	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	117.00	117.00
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.29	0.59
Total with NOx	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.56	\$ 2.58	\$ 2.60	\$ 2.63	\$ 2.67	\$ 2.71	\$ 3.05	\$ 3.38
Weighted Avg	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.46	\$ 2.48	\$ 2.49	\$ 2.53	\$ 2.57	\$ 2.61	\$ 2.95	\$ 3.28
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	-	-	3,234	7,257	16,285	16,652	17,028	17,411	17,804	18,205	17,736	17,280
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	76	180	435	453	472	491	511	531	584	641
Maps Req. Spot Purchases (\$1997/MMBtu) -- Woodsdale GT5	-	-	2.36	2.37	2.46	2.48	2.49	2.53	2.57	2.61	2.95	3.28
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT5	-	-	32,425	75,725	176,844	182,879	189,120	193,790	198,570	203,462	198,219	195,577
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	2.36	2.37	2.39	2.40	2.42	2.46	2.50	2.54	2.58	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	76	180	422	440	458	477	496	517	511	513
Spot Purchases												
MMBtu	-	-	32,425	75,725	176,844	182,879	189,120	193,790	198,570	203,462	198,219	195,577
Cost of Spot Purchases (1997 \$000)	-	-	76	180	422	440	458	477	496	517	511	513
Total Fuel Cost-- Woodsdale GT5	-	-	76	180	422	440	458	477	496	517	511	513
SO2 Emissions (Tons) -- Woodsdale GT5	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT5	-	-	-	-	4	4	4	4	4	4	4	4
CO2 Emissions (Tons) -- Woodsdale GT5	-	-	-	-	-	-	-	-	-	-	11,596	11,441
SO2 Allowances Consumed (1997 \$000) -- Woodsdale GT5	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Woodsdale GT5	-	-	-	-	13	13	14	14	14	15	14	14
CO2 Taxes (1997 \$000) -- Woodsdale GT5	-	-	-	-	-	-	-	-	-	-	58	114
Recalculation of cost w/ adders	-	-	76	180	435	453	472	491	511	531	584	641

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Woodsdale GT6												
Retire Year	2027											
Unit Type	Gas											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.58	\$ 2.62
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	-	-	-	-	-	-	-	-	-	-	117.00	117.00
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.29	0.59
Total less NOx	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.58	\$ 2.62
Base Fuel	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.58	\$ 2.62
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	117.00	117.00
Base Fuel (ozone)	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.39	\$ 2.40	\$ 2.42	\$ 2.46	\$ 2.50	\$ 2.54	\$ 2.58	\$ 2.62
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	-	-	-	-	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	117.00	117.00
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.29	0.59
Total with NOx	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.56	\$ 2.58	\$ 2.60	\$ 2.63	\$ 2.67	\$ 2.71	\$ 3.05	\$ 3.38
Weighted Avg	\$ -	\$ -	\$ 2.36	\$ 2.37	\$ 2.46	\$ 2.48	\$ 2.49	\$ 2.53	\$ 2.57	\$ 2.61	\$ 2.85	\$ 3.28
Maps Generation (MWh)	-	-	3,234	7,127	15,708	15,550	15,394	15,239	15,086	14,934	16,163	17,493
Maps Required Fuel w/adders (1997 \$000s)	-	-	76	176	418	422	426	429	432	436	532	649
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	2.36	2.37	2.46	2.48	2.49	2.53	2.57	2.61	2.95	3.28
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT6	-	-	32,425	74,228	169,921	170,228	170,531	169,279	168,031	166,788	180,536	197,911
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	2.36	2.37	2.39	2.40	2.42	2.46	2.50	2.54	2.58	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	76	176	406	409	413	416	420	423	466	519
Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-
MMBtu	-	-	32,425	74,228	169,921	170,228	170,531	169,279	168,031	166,788	180,536	197,911
Cost of Spot Purchases (1997 \$000)	-	-	76	176	406	409	413	416	420	423	466	519
Total Fuel Cost-- Woodsdale GT6	-	-	76	176	406	409	413	416	420	423	466	519
SO2 Emissions (Tons) -- Woodsdale GT6	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT6	-	-	-	-	4	4	4	4	4	3	4	4
CO2 Emissions (Tons) -- Woodsdale GT6	-	-	-	-	-	-	-	-	-	-	10,561	11,578
SO2 Allowances Consumed (1997 \$000) -- Woodsdale GT6	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Woodsdale GT6	-	-	-	-	12	12	12	12	12	12	13	14
CO2 Taxes (1997 \$000) -- Woodsdale GT6	-	-	-	-	-	-	-	-	-	-	53	116
Recalculation of cost w/ adders	-	-	76	176	418	422	426	429	432	436	532	649

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Zimmer 1												
Retire Year		2031										
Unit Type		Coal										
NOx Scenario Start Year		2003										
Maps												
Base Fuel	\$ -	\$ -	\$ 0.90	\$ 0.89	\$ 0.87	\$ 0.85	\$ 0.83	\$ 0.81	\$ 0.79	\$ 0.78	\$ 0.76	\$ 0.74
SO2 Rate	-	-	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
SO2 Adder	\$ -	\$ -	\$ 0.05	\$ 0.06	\$ 0.06	\$ 0.07	\$ 0.07	\$ 0.08	\$ 0.08	\$ 0.09	\$ 0.10	\$ 0.11
CO2 Rate	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.52	\$ 1.04
Total less NOx	\$ -	\$ -	\$ 0.96	\$ 0.94	\$ 0.93	\$ 0.92	\$ 0.91	\$ 0.89	\$ 0.88	\$ 0.87	\$ 1.38	\$ 1.89
Base Fuel	\$ -	\$ -	\$ 0.90	\$ 0.89	\$ 0.87	\$ 0.85	\$ 0.83	\$ 0.81	\$ 0.79	\$ 0.78	\$ 0.76	\$ 0.74
SO2 Rate (Base)	-	-	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
CO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Base Fuel (ozone)	\$ -	\$ -	\$ 0.90	\$ 0.89	\$ 0.87	\$ 0.85	\$ 0.83	\$ 0.81	\$ 0.79	\$ 0.78	\$ 0.76	\$ 0.74
SO2 Rate (ozone)	-	-	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
SO2 Adder (ozone)	\$ -	\$ -	\$ 0.05	\$ 0.06	\$ 0.06	\$ 0.07	\$ 0.07	\$ 0.08	\$ 0.08	\$ 0.09	\$ 0.10	\$ 0.11
NOx Rate (ozone)	-	-	-	-	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
NOx Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ 0.12	\$ 0.12	\$ 0.12	\$ 0.12	\$ 0.12	\$ 0.12	\$ 0.12	\$ 0.12
CO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	207.90	207.90
CO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.52	\$ 1.04
Total with NOx	\$ -	\$ -	\$ 0.96	\$ 0.94	\$ 1.05	\$ 1.04	\$ 1.03	\$ 1.01	\$ 1.00	\$ 0.99	\$ 1.50	\$ 2.01
Weighted Avg	\$ -	\$ -	\$ 0.96	\$ 0.94	\$ 0.98	\$ 0.97	\$ 0.96	\$ 0.94	\$ 0.93	\$ 0.92	\$ 1.43	\$ 1.94
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	-	-	4,405,165	4,405,167	4,405,169	4,407,781	4,410,395	4,413,011	4,416,628	4,418,247	4,411,398	4,404,556
Maps Required Fuel w/adders (1997 \$000s)	-	-	41,585	42,211	42,847	42,273	41,708	41,149	40,599	40,055	58,069	84,183
Maps Spot Price w/adders (\$1997/MMBtu)	-	-	0.96	0.94	0.98	0.97	0.98	0.94	0.93	0.92	1.43	1.94
Maps Req. Spot Purchases (MMBtu) -- Zimmer 1	-	-	43,434,270	43,557,409	43,680,897	43,658,238	43,606,714	43,636,720	43,633,229	43,593,666	40,666,714	43,438,422
Spot Market Price w/o adders (\$1997/MMBtu)	-	-	0.90	0.89	0.87	0.85	0.83	0.81	0.79	0.78	0.76	0.74
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	39,275	38,580	37,898	37,104	36,303	35,493	34,675	33,849	30,853	32,202
Spot Purchases												
MMBtu	-	-	43,434,270	43,557,409	43,680,897	43,658,238	43,606,714	43,636,720	43,633,229	43,593,666	40,666,714	43,438,422
Cost of Spot Purchases (1997 \$000)	-	-	39,275	38,580	37,898	37,104	36,303	35,493	34,675	33,849	30,853	32,202
Total Fuel Cost-- Zimmer 1	-	-	39,275	38,580	37,898	37,104	36,303	35,493	34,675	33,849	30,853	32,202
SO2 Emissions (Tons) -- Zimmer 1	-	-	11,727	11,761	11,794	11,788	11,774	11,762	11,781	11,770	10,980	11,728
Seasonal NOx Emissions (Tons) -- Zimmer 1	-	-	-	-	637	637	636	636	636	636	593	633
CO2 Emissions (Tons) -- Zimmer 1	-	-	-	-	-	-	-	-	-	-	4,227,305	4,515,424
SO2 Allowances Consumed (1997 \$000) -- Zimmer 1	-	-	2,310	2,506	2,720	2,941	3,179	3,429	3,698	3,981	4,003	4,609
NOx Allowances Consumed (1997 \$000) -- Zimmer 1	-	-	-	-	2,230	2,228	2,226	2,227	2,227	2,225	2,076	2,217
CO2 Taxes (1997 \$000) -- Zimmer 1	-	-	-	-	-	-	-	-	-	-	21,137	45,154
Recalculation of cost w/ adders	-	-	41,585	41,086	42,847	42,273	41,708	41,149	40,599	40,055	58,069	84,183

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Maps Req. Spot Purchases (MMBtu)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Beckford 1	-	-	2,433,798	2,565,861	2,705,090	2,815,656	2,928,807	3,059,242	3,193,032	3,329,985	952,701	-
Maps Req. Spot Purchases (MMBtu) -- Beckford 2	-	-	2,203,490	2,431,417	2,682,921	2,783,128	2,885,188	3,003,500	3,124,275	3,247,257	911,908	-
Maps Req. Spot Purchases (MMBtu) -- Beckford 3	-	-	5,471,297	4,438,609	3,600,837	3,727,783	3,856,884	4,005,406	4,155,759	4,310,859	1,509,733	-
Maps Req. Spot Purchases (MMBtu) -- Beckford 4	-	-	8,315,185	7,888,688	7,484,067	7,438,810	7,389,024	7,369,695	7,344,868	7,314,270	6,000,529	5,218,600
Maps Req. Spot Purchases (MMBtu) -- Beckford 5	-	-	12,659,768	11,711,185	10,833,641	10,773,869	10,707,630	10,684,262	10,653,100	10,613,754	4,327,331	-
Maps Req. Spot Purchases (MMBtu) -- Beckford 6	-	-	6,815,054	6,373,004	5,959,626	6,059,020	6,156,145	6,279,990	6,401,585	6,520,422	2,183,364	-
Maps Req. Spot Purchases (MMBtu) -- Beckford GT1	-	-	7,988	19,450	47,359	52,242	57,824	64,560	72,330	81,032	37,163	-
Maps Req. Spot Purchases (MMBtu) -- Beckford GT2	-	-	7,988	19,450	47,359	52,134	57,385	64,160	71,733	80,197	36,810	-
Maps Req. Spot Purchases (MMBtu) -- Beckford GT3	-	-	7,988	19,450	47,360	51,992	57,072	63,635	70,950	79,104	30,894	-
Maps Req. Spot Purchases (MMBtu) -- Beckford GT4	-	-	7,988	19,552	47,857	52,352	57,263	63,621	70,682	78,526	35,356	-
Maps Req. Spot Purchases (MMBtu) -- Conesville 4	-	-	20,383,535	20,333,168	20,282,925	19,833,008	19,352,453	18,894,356	18,408,907	17,898,524	14,268,253	12,213,387
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 1	-	-	31,958	73,392	169,545	182,115	198,777	210,681	225,582	241,487	114,987	-
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 3	-	-	4,938	11,424	28,440	28,937	31,016	33,286	35,722	38,334	17,916	-
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 4	-	-	2,359	6,167	16,119	16,232	20,619	23,688	27,209	31,254	12,569	-
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 6	-	-	2,359	6,167	16,119	16,232	20,619	23,688	27,209	31,254	12,436	-
Maps Req. Spot Purchases (MMBtu) -- East Bend 2	-	-	31,140,602	31,143,550	31,146,499	31,193,315	31,220,268	31,288,901	31,334,751	31,365,794	29,173,978	31,007,820
Maps Req. Spot Purchases (MMBtu) -- Killen Station 2	-	-	14,443,702	14,484,601	14,525,616	14,552,402	14,570,077	14,672,531	14,764,352	14,844,630	13,747,461	13,807,518
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT3	-	-	2,257	5,824	15,025	17,013	19,262	22,152	25,475	29,295	12,046	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT4	-	-	2,257	5,175	11,862	14,102	16,764	20,241	24,439	29,507	12,298	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT6	-	-	2,257	5,824	15,025	16,184	17,431	19,089	20,860	22,819	10,816	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT6	-	-	2,257	5,822	15,016	17,030	19,311	22,243	26,619	29,507	12,298	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 5	-	-	900,684	676,575	508,285	612,615	737,543	892,591	1,078,725	1,301,773	356,124	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 6	-	-	11,209,029	11,051,038	10,895,275	10,744,780	10,581,109	10,492,379	10,385,283	10,258,664	9,062,807	8,566,644
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 7	-	-	20,015,248	20,755,989	21,524,144	21,551,619	21,545,840	21,702,208	21,816,382	21,888,067	18,296,598	16,507,475
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 8	-	-	20,551,584	21,616,142	22,735,843	22,904,365	23,059,636	23,350,388	23,828,612	23,886,634	21,049,847	20,108,836
Maps Req. Spot Purchases (MMBtu) -- Stuart 1	-	-	15,786,982	15,681,137	15,576,001	15,518,625	15,450,263	15,455,747	15,448,033	15,426,418	13,963,651	13,580,615
Maps Req. Spot Purchases (MMBtu) -- Stuart 2	-	-	15,421,320	15,480,119	15,538,141	15,448,472	15,347,209	15,319,506	15,278,797	15,224,474	14,133,077	14,098,707
Maps Req. Spot Purchases (MMBtu) -- Stuart 3	-	-	15,655,436	16,699,057	15,542,881	15,394,196	15,235,891	15,151,310	15,054,335	14,944,510	13,173,897	12,477,886
Maps Req. Spot Purchases (MMBtu) -- Stuart 4	-	-	15,661,298	15,832,811	16,006,202	15,903,209	15,769,340	15,752,018	15,701,241	15,636,407	14,085,905	13,648,780
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT1	-	-	33,937	77,896	178,792	185,918	193,327	199,199	205,243	211,465	189,064	171,193
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT2	-	-	35,584	80,174	180,639	187,125	193,843	198,972	204,231	209,624	195,540	188,318
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT3	-	-	34,612	78,524	178,150	179,973	181,814	181,999	182,180	182,356	187,924	198,133
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT4	-	-	33,937	73,563	159,456	167,980	176,958	184,716	192,810	201,253	198,398	198,080
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT5	-	-	32,425	75,725	176,844	182,679	189,120	193,790	198,570	203,462	198,219	195,577
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT6	-	-	32,425	74,228	169,921	170,226	170,531	169,279	168,031	166,788	180,538	197,911
Maps Req. Spot Purchases (MMBtu) -- Zimmer 1	-	-	43,434,270	43,557,409	43,680,897	43,658,238	43,606,714	43,638,720	43,633,229	43,593,666	40,666,714	43,438,422
Total	-	-	282,787,689	282,278,146	282,747,782	282,507,457	282,096,737	282,769,703	283,253,116	283,542,151	219,348,747	205,797,481

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
SO2 Emissions (Tons)												
SO2 Emissions (Tons) -- Beckjord 1	-	-	1,927	2,031	2,142	2,229	2,319	2,422	2,528	2,636	754	-
SO2 Emissions (Tons) -- Beckjord 2	-	-	1,744	1,925	2,124	2,203	2,284	2,378	2,473	2,571	722	-
SO2 Emissions (Tons) -- Beckjord 3	-	-	4,331	3,514	2,851	2,951	3,053	3,171	3,291	3,413	1,195	-
SO2 Emissions (Tons) -- Beckjord 4	-	-	6,583	6,245	5,925	5,889	5,850	5,834	5,815	5,790	4,750	4,131
SO2 Emissions (Tons) -- Beckjord 5	-	-	10,022	9,271	8,577	8,529	8,477	8,458	8,434	8,403	3,426	-
SO2 Emissions (Tons) -- Beckjord 6	-	-	5,384	5,035	4,708	4,787	4,863	4,961	5,057	5,151	1,725	-
SO2 Emissions (Tons) -- Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Copesville 4	-	-	45,663	45,750	45,637	44,624	43,543	42,512	41,420	40,272	32,104	27,480
SO2 Emissions (Tons) -- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- East Bend 2	-	-	7,785	7,786	7,787	7,798	7,805	7,822	7,834	7,839	7,293	7,752
SO2 Emissions (Tons) -- Killen Station 2	-	-	8,666	8,691	8,715	8,731	8,742	8,804	8,859	8,907	8,248	8,285
SO2 Emissions (Tons) -- Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort 5	-	-	1,283	964	724	873	1,051	1,272	1,537	1,855	507	-
SO2 Emissions (Tons) -- Miami Fort 6	-	-	15,973	15,748	15,826	15,311	15,078	14,952	14,799	14,620	12,914	12,207
SO2 Emissions (Tons) -- Miami Fort 7	-	-	28,522	29,577	30,672	30,711	30,703	30,926	31,088	31,188	26,073	23,523
SO2 Emissions (Tons) -- Miami Fort 8	-	-	12,331	12,970	13,642	13,743	13,836	14,010	14,176	14,332	12,830	12,065
SO2 Emissions (Tons) -- Stuart 1	-	-	12,630	12,545	12,461	12,415	12,360	12,365	12,358	12,341	11,171	10,864
SO2 Emissions (Tons) -- Stuart 2	-	-	12,337	12,384	12,431	12,359	12,278	12,256	12,223	12,180	11,306	11,277
SO2 Emissions (Tons) -- Stuart 3	-	-	12,524	12,479	12,434	12,315	12,189	12,121	12,043	11,956	10,539	9,982
SO2 Emissions (Tons) -- Stuart 4	-	-	12,529	12,666	12,805	12,723	12,631	12,602	12,561	12,509	11,269	10,919
SO2 Emissions (Tons) -- Woodsdale GT1	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Woodsdale GT2	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Woodsdale GT3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Woodsdale GT4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Woodsdale GT5	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Woodsdale GT6	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Zimmer 1	-	-	11,727	11,761	11,794	11,788	11,774	11,782	11,781	11,770	10,980	11,728
Total	-	-	212,162	211,341	210,953	209,980	208,836	208,647	208,277	207,732	167,608	150,215

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Seasonal NOx Emissions (Tons)	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord 1	-	-	-	-	164	171	178	185	194	202	58	-
Seasonal NOx Emissions (Tons) -- Beckjord 2	-	-	-	-	158	164	170	177	184	191	54	-
Seasonal NOx Emissions (Tons) -- Beckjord 3	-	-	-	-	410	424	439	456	473	490	172	-
Seasonal NOx Emissions (Tons) -- Beckjord 4	-	-	-	-	518	515	511	510	508	506	415	361
Seasonal NOx Emissions (Tons) -- Beckjord 5	-	-	-	-	864	889	883	881	879	876	357	-
Seasonal NOx Emissions (Tons) -- Beckjord 6	-	-	-	-	469	477	485	495	504	513	172	-
Seasonal NOx Emissions (Tons) -- Beckjord GT1	-	-	-	-	2	2	2	3	3	3	2	-
Seasonal NOx Emissions (Tons) -- Beckjord GT2	-	-	-	-	2	2	2	3	3	3	2	-
Seasonal NOx Emissions (Tons) -- Beckjord GT3	-	-	-	-	2	2	2	3	3	3	1	-
Seasonal NOx Emissions (Tons) -- Beckjord GT4	-	-	-	-	2	2	2	3	3	3	1	-
Seasonal NOx Emissions (Tons) -- Conesville 4	-	-	-	-	304	297	290	283	276	268	214	183
Seasonal NOx Emissions (Tons) -- Dicks Creek 1	-	-	-	-	4	4	4	4	5	5	2	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 3	-	-	-	-	1	1	1	1	1	1	0	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 4	-	-	-	-	1	1	1	1	1	1	1	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 5	-	-	-	-	1	1	1	1	1	1	1	-
Seasonal NOx Emissions (Tons) -- East Bend 2	-	-	-	-	369	390	390	391	392	392	365	388
Seasonal NOx Emissions (Tons) -- Killen Station 2	-	-	-	-	272	273	273	275	277	278	258	259
Seasonal NOx Emissions (Tons) -- Miami Fort GT3	-	-	-	-	1	1	1	1	1	1	1	-
Seasonal NOx Emissions (Tons) -- Miami Fort GT4	-	-	-	-	0	1	1	1	1	1	1	-
Seasonal NOx Emissions (Tons) -- Miami Fort GT5	-	-	-	-	1	1	1	1	1	1	0	-
Seasonal NOx Emissions (Tons) -- Miami Fort GT6	-	-	-	-	1	1	1	1	1	1	1	-
Seasonal NOx Emissions (Tons) -- Miami Fort 5	-	-	-	-	95	115	138	167	202	244	67	-
Seasonal NOx Emissions (Tons) -- Miami Fort 6	-	-	-	-	522	515	507	503	498	492	434	410
Seasonal NOx Emissions (Tons) -- Miami Fort 7	-	-	-	-	332	332	332	335	338	337	282	254
Seasonal NOx Emissions (Tons) -- Miami Fort 8	-	-	-	-	346	348	351	355	359	363	320	306
Seasonal NOx Emissions (Tons) -- Stuart 1	-	-	-	-	454	453	451	451	451	450	407	396
Seasonal NOx Emissions (Tons) -- Stuart 2	-	-	-	-	453	451	448	447	446	444	412	411
Seasonal NOx Emissions (Tons) -- Stuart 3	-	-	-	-	453	449	444	442	439	436	384	364
Seasonal NOx Emissions (Tons) -- Stuart 4	-	-	-	-	400	398	395	394	393	391	352	341
Seasonal NOx Emissions (Tons) -- Woodsdale GT1	-	-	-	-	4	4	4	4	4	4	4	4
Seasonal NOx Emissions (Tons) -- Woodsdale GT2	-	-	-	-	4	4	4	4	4	4	4	3
Seasonal NOx Emissions (Tons) -- Woodsdale GT3	-	-	-	-	4	4	4	4	4	4	4	4
Seasonal NOx Emissions (Tons) -- Woodsdale GT4	-	-	-	-	3	3	4	4	4	4	4	4
Seasonal NOx Emissions (Tons) -- Woodsdale GT5	-	-	-	-	4	4	4	4	4	4	4	4
Seasonal NOx Emissions (Tons) -- Woodsdale GT6	-	-	-	-	4	4	4	4	4	3	4	4
Seasonal NOx Emissions (Tons) -- Zimmer 1	-	-	-	-	637	637	636	636	636	636	603	633
Total	-	-	-	-	7,309	7,336	7,363	7,428	7,494	7,581	5,351	4,331

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
CO2 Taxes (1997 \$000)											495	-
CO2 Taxes (1997 \$000) -- Beckjord 1	-	-	-	-	-	-	-	-	-	-	474	-
CO2 Taxes (1997 \$000) -- Beckjord 2	-	-	-	-	-	-	-	-	-	-	785	-
CO2 Taxes (1997 \$000) -- Beckjord 3	-	-	-	-	-	-	-	-	-	-	3,119	5,425
CO2 Taxes (1997 \$000) -- Beckjord 4	-	-	-	-	-	-	-	-	-	-	2,249	-
CO2 Taxes (1997 \$000) -- Beckjord 5	-	-	-	-	-	-	-	-	-	-	1,135	-
CO2 Taxes (1997 \$000) -- Beckjord 6	-	-	-	-	-	-	-	-	-	-	15	-
CO2 Taxes (1997 \$000) -- Beckjord GT1	-	-	-	-	-	-	-	-	-	-	15	-
CO2 Taxes (1997 \$000) -- Beckjord GT2	-	-	-	-	-	-	-	-	-	-	12	-
CO2 Taxes (1997 \$000) -- Beckjord GT3	-	-	-	-	-	-	-	-	-	-	14	-
CO2 Taxes (1997 \$000) -- Beckjord GT4	-	-	-	-	-	-	-	-	-	-	7,416	12,696
CO2 Taxes (1997 \$000) -- Conesville 4	-	-	-	-	-	-	-	-	-	-	34	-
CO2 Taxes (1997 \$000) -- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	5	-
CO2 Taxes (1997 \$000) -- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	5	-
CO2 Taxes (1997 \$000) -- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	5	-
CO2 Taxes (1997 \$000) -- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	5	-
CO2 Taxes (1997 \$000) -- East Bend 2	-	-	-	-	-	-	-	-	-	-	15,163	32,233
CO2 Taxes (1997 \$000) -- Killen Station 2	-	-	-	-	-	-	-	-	-	-	7,145	14,353
CO2 Taxes (1997 \$000) -- Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	5	-
CO2 Taxes (1997 \$000) -- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	5	-
CO2 Taxes (1997 \$000) -- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	4	-
CO2 Taxes (1997 \$000) -- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	5	-
CO2 Taxes (1997 \$000) -- Miami Fort 5	-	-	-	-	-	-	-	-	-	-	185	-
CO2 Taxes (1997 \$000) -- Miami Fort 6	-	-	-	-	-	-	-	-	-	-	4,710	8,905
CO2 Taxes (1997 \$000) -- Miami Fort 7	-	-	-	-	-	-	-	-	-	-	9,510	17,160
CO2 Taxes (1997 \$000) -- Miami Fort 8	-	-	-	-	-	-	-	-	-	-	10,941	20,903
CO2 Taxes (1997 \$000) -- Stuart 1	-	-	-	-	-	-	-	-	-	-	7,258	14,117
CO2 Taxes (1997 \$000) -- Stuart 2	-	-	-	-	-	-	-	-	-	-	7,346	14,654
CO2 Taxes (1997 \$000) -- Stuart 3	-	-	-	-	-	-	-	-	-	-	6,847	12,971
CO2 Taxes (1997 \$000) -- Stuart 4	-	-	-	-	-	-	-	-	-	-	7,321	14,188
CO2 Taxes (1997 \$000) -- Woodsdale GT1	-	-	-	-	-	-	-	-	-	-	55	100
CO2 Taxes (1997 \$000) -- Woodsdale GT2	-	-	-	-	-	-	-	-	-	-	54	97
CO2 Taxes (1997 \$000) -- Woodsdale GT3	-	-	-	-	-	-	-	-	-	-	55	115
CO2 Taxes (1997 \$000) -- Woodsdale GT4	-	-	-	-	-	-	-	-	-	-	58	116
CO2 Taxes (1997 \$000) -- Woodsdale GT5	-	-	-	-	-	-	-	-	-	-	58	114
CO2 Taxes (1997 \$000) -- Woodsdale GT6	-	-	-	-	-	-	-	-	-	-	53	116
CO2 Taxes (1997 \$000) -- Zimmer 1	-	-	-	-	-	-	-	-	-	-	21,137	45,154
Total	-	-	-	-	-	-	-	-	-	-	113,693	213,415

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Total Fuel Cost	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord 1	-	-	2,934	3,095	3,264	3,399	3,538	3,675	3,815	3,958	1,128	-
Total Fuel Cost-- Beckjord 2	-	-	2,656	2,933	3,238	3,360	3,485	3,608	3,733	3,859	1,078	-
Total Fuel Cost-- Beckjord 3	-	-	6,595	5,353	4,345	4,501	4,659	4,812	4,967	5,123	1,785	-
Total Fuel Cost-- Beckjord 4	-	-	10,024	9,514	9,031	8,981	8,926	8,854	8,777	8,693	7,093	6,135
Total Fuel Cost-- Beckjord 5	-	-	15,261	14,125	13,073	13,008	12,934	12,836	12,730	12,614	5,115	-
Total Fuel Cost-- Beckjord 6	-	-	8,215	7,686	7,192	7,315	7,436	7,545	7,649	7,749	2,581	-
Total Fuel Cost-- Beckjord GT1	-	-	29	72	182	207	236	269	307	349	183	-
Total Fuel Cost-- Beckjord GT2	-	-	29	72	182	207	235	267	304	346	181	-
Total Fuel Cost-- Beckjord GT3	-	-	29	72	182	206	234	265	301	341	135	-
Total Fuel Cost-- Beckjord GT4	-	-	29	73	184	208	235	265	300	339	155	-
Total Fuel Cost-- Conesville 4	-	-	18,641	18,339	18,042	17,429	15,380	14,761	14,138	13,514	10,592	6,914
Total Fuel Cost-- Dicks Creek 1	-	-	75	174	403	438	476	518	564	613	297	-
Total Fuel Cost-- Dicks Creek 3	-	-	12	27	63	69	75	82	89	97	46	-
Total Fuel Cost-- Dicks Creek 4	-	-	8	23	62	72	85	99	115	135	55	-
Total Fuel Cost-- Dicks Creek 5	-	-	6	23	62	72	85	99	115	135	55	-
Total Fuel Cost-- East Bend 2	-	-	29,523	28,823	28,139	27,510	26,879	26,244	25,606	24,964	22,629	23,433
Total Fuel Cost-- Killen Station 2	-	-	16,089	16,128	16,167	16,191	16,204	16,194	16,171	16,135	14,828	14,780
Total Fuel Cost-- Miami Fort GT3	-	-	8	22	58	67	79	92	108	126	53	-
Total Fuel Cost-- Miami Fort GT4	-	-	8	19	46	56	69	84	104	127	54	-
Total Fuel Cost-- Miami Fort GT5	-	-	8	22	58	64	71	79	88	98	47	-
Total Fuel Cost-- Miami Fort GT6	-	-	8	22	58	68	79	93	109	127	54	-
Total Fuel Cost-- Miami Fort 5	-	-	901	670	497	593	705	834	985	1,161	310	-
Total Fuel Cost-- Miami Fort 6	-	-	11,219	10,936	10,660	10,394	10,120	9,804	9,480	9,149	7,896	7,291
Total Fuel Cost-- Miami Fort 7	-	-	20,033	20,540	21,059	20,848	20,607	20,278	19,915	19,517	15,940	14,050
Total Fuel Cost-- Miami Fort 8	-	-	23,264	24,456	25,709	26,886	28,047	29,173	30,280	31,366	23,056	21,857
Total Fuel Cost-- Stuart 1	-	-	17,807	17,710	17,613	17,570	17,514	17,430	17,332	17,219	15,506	15,003
Total Fuel Cost-- Stuart 2	-	-	17,395	17,483	17,571	17,491	17,397	17,277	17,142	16,994	15,894	15,574
Total Fuel Cost-- Stuart 3	-	-	17,859	17,617	17,676	17,429	17,271	17,087	16,891	16,681	14,629	13,785
Total Fuel Cost-- Stuart 4	-	-	17,666	17,881	18,100	18,005	17,899	17,765	17,616	17,453	15,642	15,079
Total Fuel Cost-- Woodsdale GT1	-	-	80	185	427	447	468	490	513	537	488	449
Total Fuel Cost-- Woodsdale GT2	-	-	84	190	432	450	469	489	510	532	479	436
Total Fuel Cost-- Woodsdale GT3	-	-	82	186	426	433	440	448	455	463	485	514
Total Fuel Cost-- Woodsdale GT4	-	-	80	175	381	404	428	454	482	511	512	519
Total Fuel Cost-- Woodsdale GT5	-	-	76	180	422	440	458	477	496	517	511	513
Total Fuel Cost-- Woodsdale GT6	-	-	76	176	406	409	413	416	420	423	466	519
Total Fuel Cost-- Zimmer 1	-	-	39,275	38,580	37,898	37,104	36,303	35,493	34,675	33,849	30,853	32,202
Total	-	-	275,898	273,581	273,206	271,330	267,940	265,659	263,283	260,816	210,569	191,052

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

		<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>
S/Ton	\$	393	\$ 393	\$ 393	\$ 393	\$ 393	\$ 393	\$ 393	\$ 393	\$ 393	\$ 393	\$ 393	\$ 393
\$/lb	\$	0.20	\$ 0.20	\$ 0.20	\$ 0.20	\$ 0.20	\$ 0.20	\$ 0.20	\$ 0.20	\$ 0.20	\$ 0.20	\$ 0.20	\$ 0.20
S/Ton	\$	3,500	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500
\$/lb	\$	1.75	\$ 1.75	\$ 1.75	\$ 1.75	\$ 1.75	\$ 1.75	\$ 1.75	\$ 1.75	\$ 1.75	\$ 1.75	\$ 1.75	\$ 1.75
S/Ton	\$	10	\$ 10	\$ 10	\$ 10	\$ 10	\$ 10	\$ 10	\$ 10	\$ 10	\$ 10	\$ 10	\$ 10
\$/lb	\$	0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Beckjord 1												
Retire Year	2009											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53
Base Fuel	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate (Base)	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate (ozone)	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder (ozone)	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
NOx Rate (ozone)	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
NOx Adder (ozone)	\$ 0.51	\$ 0.51	\$ 0.51	\$ 0.51	\$ 0.51	\$ 0.51	\$ 0.51	\$ 0.51	\$ 0.51	\$ 0.51	\$ 0.51	\$ 0.51
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 3.04	\$ 3.04	\$ 3.04	\$ 3.04	\$ 3.04	\$ 3.04	\$ 3.04	\$ 3.04	\$ 3.04	\$ 3.04	\$ 3.04	\$ 3.04
Weighted Avg	\$ 2.74	\$ 2.74	\$ 2.74	\$ 2.74	\$ 2.74	\$ 2.74	\$ 2.74	\$ 2.74	\$ 2.74	\$ 2.74	\$ 2.74	\$ 2.74
Maps Generation (MWh)	108,509	108,509	108,509	108,509	108,509	108,509	108,509	108,509	108,509	108,509	108,509	108,509
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1097/MMBtu)	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74
Maps Req. Spot Purchases (MMBtu) -- Beckjord 1	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1097/MMBtu)	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord 1	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord 1	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord 1	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Beckjord 1	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord 1	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Beckjord 1	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckjord 1	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-6

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Beckjord 2												
Retire Year	2009											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53
Base Fuel	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate (Base)	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate (ozone)	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder (ozone)	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
NOx Rate (ozone)	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
NOx Adder (ozone)	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 3.02	\$ 3.02	\$ 3.02	\$ 3.02	\$ 3.02	\$ 3.02	\$ 3.02	\$ 3.02	\$ 3.02	\$ 3.02	\$ 3.02	\$ 3.02
Weighted Avg	\$ 2.73	\$ 2.73	\$ 2.73	\$ 2.73	\$ 2.73	\$ 2.73	\$ 2.73	\$ 2.73	\$ 2.73	\$ 2.73	\$ 2.73	\$ 2.73
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
Maps Req. Spot Purchases (MMBtu) -- Beckjord 2	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord 2												
SO2 Emissions (Tons) -- Beckjord 2	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord 2	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Beckjord 2	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord 2	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Beckjord 2	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckjord 2	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders												
	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Beckjord 3												
Retire Year	2009											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53
Base Fuel	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate (Base)	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate (ozone)	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder (ozone)	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
NOx Rate (ozone)	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
NOx Adder (ozone)	\$ 0.96	\$ 0.96	\$ 0.96	\$ 0.96	\$ 0.96	\$ 0.96	\$ 0.96	\$ 0.96	\$ 0.96	\$ 0.96	\$ 0.96	\$ 0.96
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 3.48	\$ 3.48	\$ 3.48	\$ 3.48	\$ 3.48	\$ 3.48	\$ 3.48	\$ 3.48	\$ 3.48	\$ 3.48	\$ 3.48	\$ 3.48
Weighted Avg	\$ 2.92	\$ 2.92	\$ 2.92	\$ 2.92	\$ 2.92	\$ 2.92	\$ 2.92	\$ 2.92	\$ 2.92	\$ 2.92	\$ 2.92	\$ 2.92
Maps Generation (MWh)												
Maps Generation (MWh)	220,640	220,640	220,640	220,640	220,640	220,640	220,640	220,640	220,640	220,640	220,640	220,640
Maps Required Fuel w/adders (1997 \$000s)												
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)												
Maps Spot Price w/adders (\$1997/MMBtu)	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92
Maps Req. Spot Purchases (MMBtu) -- Beckjord 3												
Maps Req. Spot Purchases (MMBtu) -- Beckjord 3	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)												
Spot Market Price w/o adders (\$1997/MMBtu)	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
Maps Fuel Cost w/o adders (1997 \$000s)												
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord 3												
Total Fuel Cost-- Beckjord 3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord 3												
SO2 Emissions (Tons) -- Beckjord 3	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord 3												
Seasonal NOx Emissions (Tons) -- Beckjord 3	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Beckjord 3												
CO2 Emissions (Tons) -- Beckjord 3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord 3												
SO2 Allowances Consumed (1997 \$000) -- Beckjord 3	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Beckjord 3												
NOx Allowances Consumed (1997 \$000) -- Beckjord 3	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckjord 3												
CO2 Taxes (1997 \$000) -- Beckjord 3	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders												
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Beckjord 4												
Retire Year	2013											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53
Base Fuel	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate (Base)	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate (ozone)	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder (ozone)	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
NOx Rate (ozone)	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
NOx Adder (ozone)	\$ 0.58	\$ 0.58	\$ 0.58	\$ 0.58	\$ 0.58	\$ 0.58	\$ 0.58	\$ 0.58	\$ 0.58	\$ 0.58	\$ 0.58	\$ 0.58
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11
Weighted Avg	\$ 2.77	\$ 2.77	\$ 2.77	\$ 2.77	\$ 2.77	\$ 2.77	\$ 2.77	\$ 2.77	\$ 2.77	\$ 2.77	\$ 2.77	\$ 2.77
Maps Generation (MWh)												
Maps Generation (MWh)	537,057	537,057	537,057	537,057	537,057	537,057	537,057	537,057	537,057	537,057	537,057	537,057
Maps Required Fuel w/adders (1997 \$000s)	14,447	14,447	7,223	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77
Maps Req. Spot Purchases (MMBtu) -- Beckjord 4	5,218,600	5,218,600	2,609,300	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
Maps Fuel Cost w/o adders (1997 \$000s)	6,135	6,135	3,068	-	-	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	5,218,600	5,218,600	2,609,300	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	6,135	6,135	3,068	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord 4	6,135	6,135	3,068	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord 4	4,131	4,131	2,066	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord 4	391	391	180	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Beckjord 4	542,473	542,473	271,237	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord 4	1,624	1,624	812	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Beckjord 4	1,263	1,263	632	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckjord 4	5,425	5,425	2,712	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders												
Recalculation of cost w/ adders	14,447	14,447	7,223	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Beckjord 5												
Retire Year	2009											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53
Base Fuel	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate (Base)	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate (ozone)	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder (ozone)	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
NOx Rate (ozone)	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
NOx Adder (ozone)	\$ 0.69	\$ 0.69	\$ 0.69	\$ 0.69	\$ 0.69	\$ 0.69	\$ 0.69	\$ 0.69	\$ 0.69	\$ 0.69	\$ 0.69	\$ 0.69
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 3.22	\$ 3.22	\$ 3.22	\$ 3.22	\$ 3.22	\$ 3.22	\$ 3.22	\$ 3.22	\$ 3.22	\$ 3.22	\$ 3.22	\$ 3.22
Weighted Avg	\$ 2.82	\$ 2.82	\$ 2.82	\$ 2.82	\$ 2.82	\$ 2.82	\$ 2.82	\$ 2.82	\$ 2.82	\$ 2.82	\$ 2.82	\$ 2.82
Maps Generation (MWh)	756,014	756,014	756,014	756,014	756,014	756,014	756,014	756,014	756,014	756,014	756,014	756,014
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82
Maps Req. Spot Purchases (MMBtu) -- Beckjord 5	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord 5	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord 5	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord 5	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Beckjord 5	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord 5	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Beckjord 5	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckjord 5	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Beckjord 6												
Retire Year	2009											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53
Base Fuel	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate (Base)	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate (ozone)	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder (ozone)	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
NOx Rate (ozone)	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
NOx Adder (ozone)	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 3.19	\$ 3.19	\$ 3.19	\$ 3.19	\$ 3.19	\$ 3.19	\$ 3.19	\$ 3.19	\$ 3.19	\$ 3.19	\$ 3.19	\$ 3.19
Weighted Avg	\$ 2.80	\$ 2.80	\$ 2.80	\$ 2.80	\$ 2.80	\$ 2.80	\$ 2.80	\$ 2.80	\$ 2.80	\$ 2.80	\$ 2.80	\$ 2.80
Maps Generation (MWh)	300,630	300,630	300,630	300,630	300,630	300,630	300,630	300,630	300,630	300,630	300,630	300,630
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80
Maps Req. Spot Purchases (MMBtu) -- Beckjord 6	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord 6	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord 6	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord 6	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Beckjord 6	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord 6	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Beckjord 6	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckjord 6	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Beckjord GT1												
Retire Year	2009											
Unit Type	Distillate Oil											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total less NOx	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
Base Fuel (ozone)	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
NOx Adder (ozone)	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35
CO2 Rate (ozone)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder (ozone)	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total with NOx	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62
Weighted Avg	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41
Maps Generation (MWh)	7,736	7,736	7,736	7,736	7,736	7,736	7,736	7,736	7,736	7,736	7,736	7,736
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41
Maps Req. Spot Purchases (MMBtu) -- Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-6

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Beckjord GT2												
Retire Year	2009											
Unit Type	Distillate Oil											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total less NOx	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
Base Fuel (ozone)	\$ 4.48	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.48	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
NOx Adder (ozone)	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35
CO2 Rate (ozone)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder (ozone)	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total with NOx	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62
Weighted Avg	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	7,668	7,668	7,668	7,668	7,668	7,668	7,668	7,668	7,668	7,668	7,668	7,668
Maps Spot Price w/adders (\$1997/MMBtu)	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41
Maps Req. Spot Purchases (MMBtu) -- Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders												
	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Beckjord GT3												
Retire Year	2009											
Unit Type	Distillate Oil											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total less NOx	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
Base Fuel (ozone)	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
NOx Adder (ozone)	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35
CO2 Rate (ozone)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder (ozone)	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total with NOx	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62
Weighted Avg	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41
Maps Generation (MWh)	5,406	5,406	5,406	5,406	5,406	5,406	5,406	5,406	5,406	5,406	5,406	5,406
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41
Maps Req. Spot Purchases (MMBtu) -- Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost -- Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Beckjord GT4												
Retire Year	2009											
Unit Type	Distillate Oil											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total less NOx	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
Base Fuel (ozone)	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
NOx Adder (ozone)	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35
CO2 Rate (ozone)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder (ozone)	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total with NOx	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62
Weighted Avg	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41
Maps Generation (MWh)												
Maps Generation (MWh)	7,225	7,225	7,225	7,225	7,225	7,225	7,225	7,225	7,225	7,225	7,225	7,225
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41
Maps Req. Spot Purchases (MMBtu) -- Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders												
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Conesville 4												
Retire Year	2020											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73
SO2 Rate	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
SO2 Adder	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.65	\$ 2.65	\$ 2.65	\$ 2.65	\$ 2.65	\$ 2.65	\$ 2.65	\$ 2.65	\$ 2.65	\$ 2.65	\$ 2.65	\$ 2.65
Base Fuel	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73
SO2 Rate (Base)	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73
SO2 Rate (ozone)	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
SO2 Adder (ozone)	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88
NOx Rate (ozone)	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
NOx Adder (ozone)	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 2.78	\$ 2.78	\$ 2.78	\$ 2.78	\$ 2.78	\$ 2.78	\$ 2.78	\$ 2.78	\$ 2.78	\$ 2.78	\$ 2.78	\$ 2.78
Weighted Avg	\$ 2.71	\$ 2.71	\$ 2.71	\$ 2.71	\$ 2.71	\$ 2.71	\$ 2.71	\$ 2.71	\$ 2.71	\$ 2.71	\$ 2.71	\$ 2.71
Maps Generation (MWh)	1,257,016	1,257,016	1,257,016	1,257,016	1,257,016	1,257,016	1,257,016	1,257,016	1,257,016	1,257,016	1,257,016	1,257,016
Maps Required Fuel w/adders (1997 \$000s)	33,050	33,050	33,050	33,050	33,050	33,050	33,050	33,050	33,050	16,525	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71
Maps Req. Spot Purchases (MMBtu) -- Conesville 4	12,213,387	12,213,387	12,213,387	12,213,387	12,213,387	12,213,387	12,213,387	12,213,387	12,213,387	6,106,693	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Maps Fuel Cost w/o adders (1997 \$000s)	8,914	8,914	8,914	8,914	8,914	8,914	8,914	8,914	8,914	4,457	-	-
Coal Washing												
Total Coal Washer Cost (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	12,213,387	12,213,387	12,213,387	12,213,387	12,213,387	12,213,387	12,213,387	12,213,387	12,213,387	6,106,693	-	-
Cost of Spot Purchases (1997 \$000)	8,914	8,914	8,914	8,914	8,914	8,914	8,914	8,914	8,914	4,457	-	-
Total Fuel Cost-- Conesville 4	8,914	8,914	8,914	8,914	8,914	8,914	8,914	8,914	8,914	4,457	-	-
SO2 Emissions (Tons) -- Conesville 4	27,480	27,480	27,480	27,480	27,480	27,480	27,480	27,480	27,480	13,740	-	-
Seasonal NOx Emissions (Tons) -- Conesville 4	183	183	183	183	183	183	183	183	183	92	-	-
CO2 Emissions (Tons) -- Conesville 4	1,269,582	1,269,582	1,269,582	1,269,582	1,269,582	1,269,582	1,269,582	1,269,582	1,269,582	634,791	-	-
SO2 Allowances Consumed (1997 \$000) -- Conesville 4	10,800	10,800	10,800	10,800	10,800	10,800	10,800	10,800	10,800	5,400	-	-
NOx Allowances Consumed (1997 \$000) -- Conesville 4	641	641	641	641	641	641	641	641	641	321	-	-
CO2 Taxes (1997 \$000) -- Conesville 4	12,698	12,698	12,698	12,698	12,698	12,698	12,698	12,698	12,698	6,348	-	-
Recalculation of cost w/ adders	33,050	33,050	33,050	33,050	33,050	33,050	33,050	33,050	33,050	16,525	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Dicks Creek 1												
Retire Year	2009											
Unit Type	Gas											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total less NOx	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
Base Fuel (ozone)	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NOx Adder (ozone)	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18
CO2 Rate (ozone)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder (ozone)	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total with NOx	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38
Weighted Avg	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28
Maps Generation (MWh)	17,848	17,848	17,848	17,848	17,848	17,848	17,848	17,848	17,848	17,848	17,848	17,848
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Dicks Creek 3												
Retire Year	2009											
Unit Type	Gas											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total less NOx	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
Base Fuel (ozone)	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NOx Adder (ozone)	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18
CO2 Rate (ozone)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder (ozone)	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total with NOx	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38
Weighted Avg	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28
Maps Generation (MWh)	2,755	2,755	2,755	2,755	2,755	2,755	2,755	2,755	2,755	2,755	2,755	2,755
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Dicks Creek 4												
Retire Year	2009											
Unit Type	Distillate Oil											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total less NOx	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
Base Fuel (ozone)	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
NOx Adder (ozone)	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35
CO2 Rate (ozone)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder (ozone)	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total with NOx	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62
Weighted Avg	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41
Maps Generation (MWh)	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Dicks Creek 5												
Refire Year	2009											
Unit Type	Distillate Oil											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total less NOx	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
Base Fuel (ozone)	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
NOx Adder (ozone)	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35
CO2 Rate (ozone)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder (ozone)	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total with NOx	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62
Weighted Avg	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41
Maps Generation (MWh)	1,469	1,469	1,469	1,469	1,469	1,469	1,469	1,469	1,469	1,469	1,469	1,469
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
East Bend 2												
Retire Year	2021											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76
SO2 Rate	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
SO2 Adder	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89
Base Fuel	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76
SO2 Rate (Base)	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76
SO2 Rate (ozone)	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
SO2 Adder (ozone)	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10
NOx Rate (ozone)	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
NOx Adder (ozone)	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00
Weighted Avg	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94
Maps Generation (MWh)	3,110,216	3,110,216	3,110,216	3,110,216	3,110,216	3,110,216	3,110,216	3,110,216	3,110,216	3,110,216	3,110,216	3,110,216
Maps Required Fuel w/adders (1997 \$000s)	80,068	80,068	80,068	80,068	80,068	80,068	80,068	80,068	80,068	80,068	30,034	-
Maps Spot Price w/adders (\$1997/MMBtu)	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
Maps Req. Spot Purchases (MMBtu) -- East Bend 2	31,007,820	31,007,820	31,007,820	31,007,820	31,007,820	31,007,820	31,007,820	31,007,820	31,007,820	31,007,820	15,503,910	-
Spot Market Price w/o adders (\$1997/MMBtu)	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
Maps Fuel Cost w/o adders (1997 \$000s)	23,433	23,433	23,433	23,433	23,433	23,433	23,433	23,433	23,433	23,433	11,716	-
Spot Purchases												
MMBtu	31,007,820	31,007,820	31,007,820	31,007,820	31,007,820	31,007,820	31,007,820	31,007,820	31,007,820	31,007,820	15,503,910	-
Cost of Spot Purchases (1997 \$000)	23,433	23,433	23,433	23,433	23,433	23,433	23,433	23,433	23,433	23,433	11,716	-
Total Fuel Cost-- East Bend 2	23,433	23,433	23,433	23,433	23,433	23,433	23,433	23,433	23,433	23,433	11,716	-
SO2 Emissions (Tons) -- East Bend 2	7,752	7,752	7,752	7,752	7,752	7,752	7,752	7,752	7,752	7,752	3,876	-
Seasonal NOx Emissions (Tons) -- East Bend 2	388	388	388	388	388	388	388	388	388	388	184	-
CO2 Emissions (Tons) -- East Bend 2	3,223,263	3,223,263	3,223,263	3,223,263	3,223,263	3,223,263	3,223,263	3,223,263	3,223,263	3,223,263	1,611,631	-
SO2 Allowances Consumed (1997 \$000) -- East Bend 2	3,047	3,047	3,047	3,047	3,047	3,047	3,047	3,047	3,047	3,047	1,523	-
NOx Allowances Consumed (1997 \$000) -- East Bend 2	1,357	1,357	1,357	1,357	1,357	1,357	1,357	1,357	1,357	1,357	678	-
CO2 Taxes (1997 \$000) -- East Bend 2	32,233	32,233	32,233	32,233	32,233	32,233	32,233	32,233	32,233	32,233	16,116	-
Recalculation of cost w/ adders	60,068	60,068	60,068	60,068	60,068	60,068	60,068	60,068	60,068	60,068	30,034	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Killen Station 2												
Retire Year	2025											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07
SO2 Rate	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
SO2 Adder	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.35	\$ 2.35	\$ 2.35	\$ 2.35	\$ 2.35	\$ 2.35	\$ 2.35	\$ 2.35	\$ 2.35	\$ 2.35	\$ 2.35	\$ 2.35
Base Fuel	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07
SO2 Rate (Base)	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07
SO2 Rate (ozone)	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
SO2 Adder (ozone)	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24
NOx Rate (ozone)	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
NOx Adder (ozone)	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50
Weighted Avg	\$ 2.41	\$ 2.41	\$ 2.41	\$ 2.41	\$ 2.41	\$ 2.41	\$ 2.41	\$ 2.41	\$ 2.41	\$ 2.41	\$ 2.41	\$ 2.41
Maps Generation (MWh)	1,427,158	1,427,158	1,427,158	1,427,158	1,427,158	1,427,158	1,427,158	1,427,158	1,427,158	1,427,158	1,427,158	1,427,158
Maps Required Fuel w/adders (1997 \$000s)	33,294	33,294	33,294	33,294	33,294	33,294	33,294	33,294	33,294	33,294	33,294	33,294
Maps Spot Price w/adders (\$1997/MMBtu)	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41
Maps Req. Spot Purchases (MMBtu) -- Killen Station 2	13,807,518	13,807,518	13,807,518	13,807,518	13,807,518	13,807,518	13,807,518	13,807,518	13,807,518	13,807,518	13,807,518	13,807,518
Spot Market Price w/o adders (\$1997/MMBtu)	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Maps Fuel Cost w/o adders (1997 \$000s)	14,780	14,780	14,780	14,780	14,780	14,780	14,780	14,780	14,780	14,780	14,780	14,780
Spot Purchases												
MMBtu	13,807,518	13,807,518	13,807,518	13,807,518	13,807,518	13,807,518	13,807,518	13,807,518	13,807,518	13,807,518	13,807,518	13,807,518
Cost of Spot Purchases (1997 \$000)	14,780	14,780	14,780	14,780	14,780	14,780	14,780	14,780	14,780	14,780	14,780	14,780
Total Fuel Cost-- Killen Station 2	14,780	14,780	14,780	14,780	14,780	14,780	14,780	14,780	14,780	14,780	14,780	14,780
SO2 Emissions (Tons) -- Killen Station 2	8,285	8,285	8,285	8,285	8,285	8,285	8,285	8,285	8,285	8,285	8,285	8,285
Seasonal NOx Emissions (Tons) -- Killen Station 2	259	259	259	259	259	259	259	259	259	259	259	259
CO2 Emissions (Tons) -- Killen Station 2	1,435,292	1,435,292	1,435,292	1,435,292	1,435,292	1,435,292	1,435,292	1,435,292	1,435,292	1,435,292	1,435,292	1,435,292
SO2 Allowances Consumed (1997 \$000) -- Killen Station 2	3,256	3,256	3,256	3,256	3,256	3,256	3,256	3,256	3,256	3,256	3,256	3,256
NOx Allowances Consumed (1997 \$000) -- Killen Station 2	906	906	906	906	906	906	906	906	906	906	906	906
CO2 Taxes (1997 \$000) -- Killen Station 2	14,353	14,353	14,353	14,353	14,353	14,353	14,353	14,353	14,353	14,353	14,353	14,353
Recalculation of cost w/ adders	33,294	33,294	33,294	33,294	33,294	33,294	33,294	33,294	33,294	33,294	33,294	33,294

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Miami Fort GT3												
Retire Year	2009											
Unit Type	Distillate Oil											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total less NOx	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
Base Fuel (ozone)	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
NOx Adder (ozone)	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35
CO2 Rate (ozone)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder (ozone)	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total with NOx	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62
Weighted Avg	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	1,455	1,455	1,455	1,455	1,455	1,455	1,455	1,455	1,455	1,455	1,455	1,455
Maps Spot Price w/adders (\$1997/MMBtu)	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders												
	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Miami Fort GT4												
Retire Year	2009											
Unit Type	Distillate Oil											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total less NOx	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
Base Fuel (ozone)	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
NOx Adder (ozone)	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35
CO2 Rate (ozone)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder (ozone)	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total with NOx	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62
Weighted Avg	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41
Maps Generation (MWh)	1,505	1,505	1,505	1,505	1,505	1,505	1,505	1,505	1,505	1,505	1,505	1,505
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Miami Fort GT5												
Retire Year	2009											
Unit Type	Distillate Oil											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total less NOx	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
Base Fuel (ozone)	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
NOx Adder (ozone)	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35
CO2 Rate (ozone)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder (ozone)	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total with NOx	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62
Weighted Avg	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	1,505	1,505	1,505	1,505	1,505	1,505	1,505	1,505	1,505	1,505	1,505	1,505
Maps Spot Price w/adders (\$1997/MMBtu)	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders												
	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Miami Fort GT6												
Retire Year	2009											
Unit Type	Distillate Oil											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total less NOx	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
Base Fuel (ozone)	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
NOx Adder (ozone)	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35
CO2 Rate (ozone)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder (ozone)	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total with NOx	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62
Weighted Avg	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41
Maps Generation (MWh)	1,505	1,505	1,505	1,505	1,505	1,505	1,505	1,505	1,505	1,505	1,505	1,505
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Miami Fort 5												
Retire Year	2009											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85
SO2 Rate	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
SO2 Adder	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45
Base Fuel	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85
SO2 Rate (Base)	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85
SO2 Rate (ozone)	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
SO2 Adder (ozone)	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56
NOx Rate (ozone)	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
NOx Adder (ozone)	\$ 1.58	\$ 1.58	\$ 1.58	\$ 1.58	\$ 1.58	\$ 1.58	\$ 1.58	\$ 1.58	\$ 1.58	\$ 1.58	\$ 1.58	\$ 1.58
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 4.03	\$ 4.03	\$ 4.03	\$ 4.03	\$ 4.03	\$ 4.03	\$ 4.03	\$ 4.03	\$ 4.03	\$ 4.03	\$ 4.03	\$ 4.03
Weighted Avg	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	33,489	33,489	33,489	33,489	33,489	33,489	33,489	33,489	33,489	33,489	33,489	33,489
Maps Spot Price w/adders (\$1997/MMBtu)	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 5	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Miami Fort 5	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort 5	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort 5	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Miami Fort 5	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Miami Fort 5	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Miami Fort 5	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Miami Fort 5	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders												
	-	-	-	-	-	-	-	-	-	-	-	-

**CONFIDENTIAL PROPRIETARY
TRADE SECRET**

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Miami Fort 6												
Retire Year	2015											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85
SO2 Rate	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
SO2 Adder	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45
Base Fuel	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85
SO2 Rate (Base)	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85
SO2 Rate (ozone)	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
SO2 Adder (ozone)	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56
NOx Rate (ozone)	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
NOx Adder (ozone)	\$ 0.40	\$ 0.40	\$ 0.40	\$ 0.40	\$ 0.40	\$ 0.40	\$ 0.40	\$ 0.40	\$ 0.40	\$ 0.40	\$ 0.40	\$ 0.40
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 2.85	\$ 2.85	\$ 2.85	\$ 2.85	\$ 2.85	\$ 2.85	\$ 2.85	\$ 2.85	\$ 2.85	\$ 2.85	\$ 2.85	\$ 2.85
Weighted Avg	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
Maps Generation (MWh)	885,424	885,424	885,424	885,424	885,424	885,424	885,424	885,424	885,424	885,424	885,424	885,424
Maps Required Fuel w/adders (1997 \$000s)	22,430	22,430	22,430	22,430	11,215	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 6	8,566,644	8,566,644	8,566,644	8,566,644	4,283,322	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Maps Fuel Cost w/o adders (1997 \$000s)	7,291	7,291	7,291	7,291	3,646	-	-	-	-	-	-	-
Spot Purchases												
MMSlu	8,566,644	8,566,644	8,566,644	8,566,644	4,283,322	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	7,291	7,291	7,291	7,291	3,646	-	-	-	-	-	-	-
Total Fuel Cost-- Miami Fort 6	7,291	7,291	7,291	7,291	3,646	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort 6	12,207	12,207	12,207	12,207	6,104	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort 6	410	410	410	410	205	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Miami Fort 6	890,503	890,503	890,503	890,503	445,251	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Miami Fort 6	4,798	4,798	4,798	4,798	2,399	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Miami Fort 6	1,437	1,437	1,437	1,437	718	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Miami Fort 6	8,905	8,905	8,905	8,905	4,453	-	-	-	-	-	-	-
Recalculation of cost w/ adders	22,430	22,430	22,430	22,430	11,215	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-6

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Miami Fort 7												
Retire Year	2015											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85
SO2 Rate	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
SO2 Adder	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45
Base Fuel	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85
SO2 Rate (Base)	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85
SO2 Rate (ozone)	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
SO2 Adder (ozone)	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56
NOx Rate (ozone)	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
NOx Adder (ozone)	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 2.58	\$ 2.58	\$ 2.58	\$ 2.58	\$ 2.58	\$ 2.58	\$ 2.58	\$ 2.58	\$ 2.58	\$ 2.58	\$ 2.58	\$ 2.58
Weighted Avg	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	1,606,891	1,606,891	1,606,891	1,606,891	1,606,891	1,606,891	1,606,891	1,606,891	1,606,891	1,606,891	1,606,891	1,606,891
Maps Spot Price w/adders (\$1997/MMBtu)	41,345	41,345	41,345	41,345	20,672	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 7	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
Spot Market Price w/o adders (\$1997/MMBtu)	16,507,475	16,507,475	16,507,475	16,507,475	8,253,737	-	-	-	-	-	-	-
Maps Fuel Cost w/o adders (1997 \$000s)	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Maps Fuel Cost w/o adders (1997 \$000s)	14,050	14,050	14,050	14,050	7,025	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	16,507,475	16,507,475	16,507,475	16,507,475	8,253,737	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	14,050	14,050	14,050	14,050	7,025	-	-	-	-	-	-	-
Total Fuel Cost-- Miami Fort 7	14,050	14,050	14,050	14,050	7,025	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort 7	23,523	23,523	23,523	23,523	11,762	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort 7	254	254	254	254	127	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Miami Fort 7	1,715,952	1,715,952	1,715,952	1,715,952	857,976	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Miami Fort 7	9,245	9,245	9,245	9,245	4,622	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Miami Fort 7	891	891	891	891	445	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Miami Fort 7	17,160	17,160	17,160	17,160	8,580	-	-	-	-	-	-	-
Recalculation of cost w/ adders												
	41,345	41,345	41,345	41,345	20,672	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Miami Fort 8												
Retire Year	2018											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09
SO2 Rate	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
SO2 Adder	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.36	\$ 2.36	\$ 2.36	\$ 2.36	\$ 2.36	\$ 2.36	\$ 2.36	\$ 2.36	\$ 2.36	\$ 2.36	\$ 2.36	\$ 2.36
Base Fuel	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09
SO2 Rate (Base)	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09
SO2 Rate (ozone)	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
SO2 Adder (ozone)	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24
NOx Rate (ozone)	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
NOx Adder (ozone)	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 2.49	\$ 2.49	\$ 2.49	\$ 2.49	\$ 2.49	\$ 2.49	\$ 2.49	\$ 2.49	\$ 2.49	\$ 2.49	\$ 2.49	\$ 2.49
Weighted Avg	\$ 2.42	\$ 2.42	\$ 2.42	\$ 2.42	\$ 2.42	\$ 2.42	\$ 2.42	\$ 2.42	\$ 2.42	\$ 2.42	\$ 2.42	\$ 2.42
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	1,959,214	1,959,214	1,959,214	1,959,214	1,959,214	1,959,214	1,959,214	1,959,214	1,959,214	1,959,214	1,959,214	1,959,214
Maps Spot Price w/adders (\$1997/MMBtu)	48,572	48,572	48,572	48,572	48,572	48,572	48,572	24,286	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 8	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42
Spot Market Price w/o adders (\$1997/MMBtu)	20,108,636	20,108,636	20,108,636	20,108,636	20,108,636	20,108,636	20,108,636	10,054,318	-	-	-	-
Maps Fuel Cost w/o adders (1997 \$000s)	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09
Spot Purchases	21,857	21,857	21,857	21,857	21,857	21,857	21,857	10,928	-	-	-	-
MMBtu	20,108,636	20,108,636	20,108,636	20,108,636	20,108,636	20,108,636	20,108,636	10,054,318	-	-	-	-
Cost of Spot Purchases (1997 \$000)	21,857	21,857	21,857	21,857	21,857	21,857	21,857	10,928	-	-	-	-
Total Fuel Cost-- Miami Fort 8	21,857	21,857	21,857	21,857	21,857	21,857	21,857	10,928	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort 8	12,065	12,065	12,065	12,065	12,065	12,065	12,065	6,033	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort 8	306	306	306	306	306	306	306	153	-	-	-	-
CO2 Emissions (Tons) -- Miami Fort 8	2,090,293	2,090,293	2,090,293	2,090,293	2,090,293	2,090,293	2,090,293	1,045,148	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Miami Fort 8	4,742	4,742	4,742	4,742	4,742	4,742	4,742	2,371	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Miami Fort 8	1,070	1,070	1,070	1,070	1,070	1,070	1,070	535	-	-	-	-
CO2 Taxes (1997 \$000) -- Miami Fort 8	20,903	20,903	20,903	20,903	20,903	20,903	20,903	10,451	-	-	-	-
Recalculation of cost w/ adders												
	48,572	48,572	48,572	48,572	48,572	48,572	48,572	24,286	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Stuart 1												
Retire Year	2021											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10
SO2 Rate	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
SO2 Adder	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46
Base Fuel	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10
SO2 Rate (Base)	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10
SO2 Rate (ozone)	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
SO2 Adder (ozone)	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
NOx Rate (ozone)	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
NOx Adder (ozone)	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70
Weighted Avg	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	34,777	34,777	34,777	34,777	34,777	34,777	34,777	34,777	34,777	34,777	17,388	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56
Maps Req. Spot Purchases (MMBtu) -- Stuart 1	13,580,615	13,580,615	13,580,615	13,580,615	13,580,615	13,580,615	13,580,615	13,580,615	13,580,615	13,580,615	6,790,307	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Maps Fuel Cost w/o adders (1997 \$000s)	15,003	15,003	15,003	15,003	15,003	15,003	15,003	15,003	15,003	15,003	7,502	-
Spot Purchases												
MMBtu	13,580,615	13,580,615	13,580,615	13,580,615	13,580,615	13,580,615	13,580,615	13,580,615	13,580,615	13,580,615	6,790,307	-
Cost of Spot Purchases (1997 \$000)	15,003	15,003	15,003	15,003	15,003	15,003	15,003	15,003	15,003	15,003	7,502	-
Total Fuel Cost-- Stuart 1	15,003	15,003	15,003	15,003	15,003	15,003	15,003	15,003	15,003	15,003	7,502	-
SO2 Emissions (Tons) -- Stuart 1	10,864	10,864	10,864	10,864	10,864	10,864	10,864	10,864	10,864	10,864	5,432	-
Seasonal NOx Emissions (Tons) -- Stuart 1	396	396	396	396	396	396	396	396	396	396	198	-
CO2 Emissions (Tons) -- Stuart 1	1,411,705	1,411,705	1,411,705	1,411,705	1,411,705	1,411,705	1,411,705	1,411,705	1,411,705	1,411,705	705,852	-
SO2 Allowances Consumed (1997 \$000) -- Stuart 1	4,270	4,270	4,270	4,270	4,270	4,270	4,270	4,270	4,270	4,270	2,135	-
NOx Allowances Consumed (1997 \$000) -- Stuart 1	1,386	1,386	1,386	1,386	1,386	1,386	1,386	1,386	1,386	1,386	693	-
CO2 Taxes (1997 \$000) -- Stuart 1	14,117	14,117	14,117	14,117	14,117	14,117	14,117	14,117	14,117	14,117	7,059	-
Recalculation of cost w/ adders												
	34,777	34,777	34,777	34,777	34,777	34,777	34,777	34,777	34,777	34,777	17,388	-

**CONFIDENTIAL PROPRIETARY
TRADE SECRET**

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Stuart 2												
Retire Year	2021											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10
SO2 Rate	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
SO2 Adder	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46
Base Fuel	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10
SO2 Rate (Base)	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10
SO2 Rate (ozone)	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
SO2 Adder (ozone)	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
NOx Rate (ozone)	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
NOx Adder (ozone)	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70
Weighted Avg	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56
Maps Generation (MWh)	1,501,271	1,501,271	1,501,271	1,501,271	1,501,271	1,501,271	1,501,271	1,501,271	1,501,271	1,501,271	1,501,271	1,501,271
Maps Required Fuel w/adders (1997 \$000s)	36,098	36,098	36,098	36,098	36,098	36,098	36,098	36,098	36,098	36,098	18,049	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56
Maps Req. Spot Purchases (MMBtu) -- Stuart 2	14,096,707	14,096,707	14,096,707	14,096,707	14,096,707	14,096,707	14,096,707	14,096,707	14,096,707	14,096,707	7,048,354	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Maps Fuel Cost w/o adders (1997 \$000s)	15,574	15,574	15,574	15,574	15,574	15,574	15,574	15,574	15,574	15,574	7,787	-
Spot Purchases												
MMBtu	14,096,707	14,096,707	14,096,707	14,096,707	14,096,707	14,096,707	14,096,707	14,096,707	14,096,707	14,096,707	7,048,354	-
Cost of Spot Purchases (1997 \$000)	15,574	15,574	15,574	15,574	15,574	15,574	15,574	15,574	15,574	15,574	7,787	-
Total Fuel Cost -- Stuart 2	15,574	15,574	15,574	15,574	15,574	15,574	15,574	15,574	15,574	15,574	7,787	-
SO2 Emissions (Tons) -- Stuart 2	11,277	11,277	11,277	11,277	11,277	11,277	11,277	11,277	11,277	11,277	5,639	-
Seasonal NOx Emissions (Tons) -- Stuart 2	411	411	411	411	411	411	411	411	411	411	206	-
CO2 Emissions (Tons) -- Stuart 2	1,465,353	1,465,353	1,465,353	1,465,353	1,465,353	1,465,353	1,465,353	1,465,353	1,465,353	1,465,353	732,676	-
SO2 Allowances Consumed (1997 \$000) -- Stuart 2	4,432	4,432	4,432	4,432	4,432	4,432	4,432	4,432	4,432	4,432	2,216	-
NOx Allowances Consumed (1997 \$000) -- Stuart 2	1,439	1,439	1,439	1,439	1,439	1,439	1,439	1,439	1,439	1,439	720	-
CO2 Taxes (1997 \$000) -- Stuart 2	14,654	14,654	14,654	14,654	14,654	14,654	14,654	14,654	14,654	14,654	7,327	-
Recalculation of cost w/ adders	36,098	36,098	36,098	36,098	36,098	36,098	36,098	36,098	36,098	36,098	18,049	-

**CONFIDENTIAL PROPRIETARY
TRADE SECRET**

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Stuart 3												
Retire Year	2021											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10
SO2 Rate	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
SO2 Adder	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46
Base Fuel	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10
SO2 Rate (Base)	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10
SO2 Rate (ozone)	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
SO2 Adder (ozone)	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
NOx Rate (ozone)	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
NOx Adder (ozone)	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70
Weighted Avg	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56
Maps Generation (MWh)	1,307,139	1,307,139	1,307,139	1,307,139	1,307,139	1,307,139	1,307,139	1,307,139	1,307,139	1,307,139	1,307,139	1,307,139
Maps Required Fuel w/adders (1997 \$000s)	31,952	31,952	31,952	31,952	31,952	31,952	31,952	31,952	31,952	31,952	15,978	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56
Maps Req. Spot Purchases (MMBtu) -- Stuart 3	12,477,888	12,477,888	12,477,888	12,477,888	12,477,888	12,477,888	12,477,888	12,477,888	12,477,888	12,477,888	6,238,833	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Maps Fuel Cost w/o adders (1997 \$000s)	13,785	13,785	13,785	13,785	13,785	13,785	13,785	13,785	13,785	13,785	6,892	-
Spot Purchases												
MMBtu	12,477,888	12,477,888	12,477,888	12,477,888	12,477,888	12,477,888	12,477,888	12,477,888	12,477,888	12,477,888	6,238,833	-
Cost of Spot Purchases (1997 \$000)	13,785	13,785	13,785	13,785	13,785	13,785	13,785	13,785	13,785	13,785	6,892	-
Total Fuel Cost-- Stuart 3	13,785	13,785	13,785	13,785	13,785	13,785	13,785	13,785	13,785	13,785	6,892	-
SO2 Emissions (Tons) -- Stuart 3	9,982	9,982	9,982	9,982	9,982	9,982	9,982	9,982	9,982	9,982	4,991	-
Seasonal NOx Emissions (Tons) -- Stuart 3	364	364	364	364	364	364	364	364	364	364	182	-
CO2 Emissions (Tons) -- Stuart 3	1,297,053	1,297,053	1,297,053	1,297,053	1,297,053	1,297,053	1,297,053	1,297,053	1,297,053	1,297,053	648,527	-
SO2 Allowances Consumed (1997 \$000) -- Stuart 3	3,923	3,923	3,923	3,923	3,923	3,923	3,923	3,923	3,923	3,923	1,961	-
NOx Allowances Consumed (1997 \$000) -- Stuart 3	1,274	1,274	1,274	1,274	1,274	1,274	1,274	1,274	1,274	1,274	637	-
CO2 Taxes (1997 \$000) -- Stuart 3	12,971	12,971	12,971	12,971	12,971	12,971	12,971	12,971	12,971	12,971	6,485	-
Recalculation of cost w/ adders	31,952	31,952	31,952	31,952	31,952	31,952	31,952	31,952	31,952	31,952	15,978	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Stuart 4												
Retire Year	2021											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10
SO2 Rate	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
SO2 Adder	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46
Base Fuel	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10
SO2 Rate (Base)	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10
SO2 Rate (ozone)	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
SO2 Adder (ozone)	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
NOx Rate (ozone)	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
NOx Adder (ozone)	\$ 0.21	\$ 0.21	\$ 0.21	\$ 0.21	\$ 0.21	\$ 0.21	\$ 0.21	\$ 0.21	\$ 0.21	\$ 0.21	\$ 0.21	\$ 0.21
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 2.67	\$ 2.67	\$ 2.67	\$ 2.67	\$ 2.67	\$ 2.67	\$ 2.67	\$ 2.67	\$ 2.67	\$ 2.67	\$ 2.67	\$ 2.67
Weighted Avg	\$ 2.55	\$ 2.55	\$ 2.55	\$ 2.55	\$ 2.55	\$ 2.55	\$ 2.55	\$ 2.55	\$ 2.55	\$ 2.55	\$ 2.55	\$ 2.55
Maps Generation (MWh)	1,443,205	1,443,205	1,443,205	1,443,205	1,443,205	1,443,205	1,443,205	1,443,205	1,443,205	1,443,205	1,443,205	1,443,205
Maps Required Fuel w/adders (1997 \$000s)	34,752	34,752	34,752	34,752	34,752	34,752	34,752	34,752	34,752	34,752	17,376	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55
Maps Req. Spot Purchases (MMBtu) -- Stuart 4	13,648,760	13,648,760	13,648,760	13,648,760	13,648,760	13,648,760	13,648,760	13,648,760	13,648,760	13,648,760	6,824,380	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Maps Fuel Cost w/o adders (1997 \$000s)	15,079	15,079	15,079	15,079	15,079	15,079	15,079	15,079	15,079	15,079	7,539	-
Spot Purchases												
MMBtu	13,648,760	13,648,760	13,648,760	13,648,760	13,648,760	13,648,760	13,648,760	13,648,760	13,648,760	13,648,760	6,824,380	-
Cost of Spot Purchases (1997 \$000)	15,079	15,079	15,079	15,079	15,079	15,079	15,079	15,079	15,079	15,079	7,539	-
Total Fuel Cost-- Stuart 4	15,079	15,079	15,079	15,079	15,079	15,079	15,079	15,079	15,079	15,079	7,539	-
SO2 Emissions (Tons) -- Stuart 4	10,919	10,919	10,919	10,919	10,919	10,919	10,919	10,919	10,919	10,919	5,460	-
Seasonal NOx Emissions (Tons) -- Stuart 4	341	341	341	341	341	341	341	341	341	341	171	-
CO2 Emissions (Tons) -- Stuart 4	1,418,789	1,418,789	1,418,789	1,418,789	1,418,789	1,418,789	1,418,789	1,418,789	1,418,789	1,418,789	709,394	-
SO2 Allowances Consumed (1997 \$000) -- Stuart 4	4,291	4,291	4,291	4,291	4,291	4,291	4,291	4,291	4,291	4,291	2,146	-
NOx Allowances Consumed (1997 \$000) -- Stuart 4	1,194	1,194	1,194	1,194	1,194	1,194	1,194	1,194	1,194	1,194	597	-
CO2 Taxes (1997 \$000) -- Stuart 4	14,188	14,188	14,188	14,188	14,188	14,188	14,188	14,188	14,188	14,188	7,094	-
Recalculation of cost w/ adders	34,752	34,752	34,752	34,752	34,752	34,752	34,752	34,752	34,752	34,752	17,376	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Woodsdale GT1												
Retire Year	2028											
Unit Type	Gas											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total less NOx	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
Base Fuel (ozone)	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NOx Adder (ozone)	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18
CO2 Rate (ozone)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder (ozone)	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total with NOx	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38
Weighted Avg	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28
Maps Generation (MWh)	15,147	15,147	15,147	15,147	15,147	15,147	15,147	15,147	15,147	15,147	15,147	15,147
Maps Required Fuel w/adders (1997 \$000s)	561	561	561	561	561	561	561	561	561	561	561	561
Maps Spot Price w/adders (\$1997/MMBtu)	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT1	171,193	171,193	171,193	171,193	171,193	171,193	171,193	171,193	171,193	171,193	171,193	171,193
Spot Market Price w/o adders (\$1997/MMBtu)	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	449	449	449	449	449	449	449	449	449	449	449	449
Spot Purchases												
MMBtu	171,193	171,193	171,193	171,193	171,193	171,193	171,193	171,193	171,193	171,193	171,193	171,193
Cost of Spot Purchases (1997 \$000)	449	449	449	449	449	449	449	449	449	449	449	449
Total Fuel Cost-- Woodsdale GT1	449	449	449	449	449	449	449	449	449	449	449	449
SO2 Emissions (Tons) -- Woodsdale GT1	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT1	4	4	4	4	4	4	4	4	4	4	4	4
CO2 Emissions (Tons) -- Woodsdale GT1	10,015	10,015	10,015	10,015	10,015	10,015	10,015	10,015	10,015	10,015	10,015	10,015
SO2 Allowances Consumed (1997 \$000) -- Woodsdale GT1	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Woodsdale GT1	12	12	12	12	12	12	12	12	12	12	12	12
CO2 Taxes (1997 \$000) -- Woodsdale GT1	100	100	100	100	100	100	100	100	100	100	100	100
Recalculation of cost w/ adders	561	561	561	561	561	561	561	561	561	561	561	561

**CONFIDENTIAL PROPRIETARY
TRADE SECRET**

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Woodsdale GT2												
Retire Year	2027											
Unit Type	Gas											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate												
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total less NOx	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (Base)												
CO2 Rate (Base)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
Base Fuel (ozone)	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (ozone)												
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NOx Adder (ozone)	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18
CO2 Rate (ozone)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder (ozone)	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total with NOx	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38
Weighted Avg	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28
Maps Generation (MWh)	14,712	14,712	14,712	14,712	14,712	14,712	14,712	14,712	14,712	14,712	14,712	14,712
Maps Required Fuel w/adders (1997 \$000s)	545	545	545	545	545	545	545	545	545	545	545	545
Maps Spot Price w/adders (\$1997/MMBtu)	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT2	166,318	166,318	166,318	166,318	166,318	166,318	166,318	166,318	166,318	166,318	166,318	166,318
Spot Market Price w/o adders (\$1997/MMBtu)	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	436	436	436	436	436	436	436	436	436	436	436	436
Spot Purchases												
MMBtu	166,318	166,318	166,318	166,318	166,318	166,318	166,318	166,318	166,318	166,318	166,318	166,318
Cost of Spot Purchases (1997 \$000)	436	436	436	436	436	436	436	436	436	436	436	436
Total Fuel Cost-- Woodsdale GT2	436	436	436	436	436	436	436	436	436	436	436	436
SO2 Emissions (Tons) -- Woodsdale GT2	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT2	3	3	3	3	3	3	3	3	3	3	3	3
CO2 Emissions (Tons) -- Woodsdale GT2	9,730	9,730	9,730	9,730	9,730	9,730	9,730	9,730	9,730	9,730	9,730	9,730
SO2 Allowances Consumed (1997 \$000) -- Woodsdale GT2	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Woodsdale GT2	12	12	12	12	12	12	12	12	12	12	12	12
CO2 Taxes (1997 \$000) -- Woodsdale GT2	97	97	97	97	97	97	97	97	97	97	97	97
Recalculation of cost w/ adders	545	545	545	545	545	545	545	545	545	545	545	545

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Woodsdale GT3												
Retire Year	2027											
Unit Type	Gas											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total less NOx	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
Base Fuel (ozone)	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NOx Adder (ozone)	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18
CO2 Rate (ozone)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder (ozone)	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total with NOx	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38
Weighted Avg	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28
Maps Generation (MWh)	17,335	17,335	17,335	17,335	17,335	17,335	17,335	17,335	17,335	17,335	17,335	17,335
Maps Required Fuel w/adders (1997 \$000s)	643	643	643	643	643	643	643	643	643	643	643	643
Maps Spot Price w/adders (\$1997/MMBtu)	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT3	196,133	196,133	196,133	196,133	196,133	196,133	196,133	196,133	196,133	196,133	196,133	196,133
Spot Market Price w/o adders (\$1997/MMBtu)	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	514	514	514	514	514	514	514	514	514	514	514	514
Spot Purchases												
MMBtu	196,133	196,133	196,133	196,133	196,133	196,133	196,133	196,133	196,133	196,133	196,133	196,133
Cost of Spot Purchases (1997 \$000)	514	514	514	514	514	514	514	514	514	514	514	514
Total Fuel Cost-- Woodsdale GT3	514	514	514	514	514	514	514	514	514	514	514	514
SO2 Emissions (Tons) -- Woodsdale GT3	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT3	4	4	4	4	4	4	4	4	4	4	4	4
CO2 Emissions (Tons) -- Woodsdale GT3	11,474	11,474	11,474	11,474	11,474	11,474	11,474	11,474	11,474	11,474	11,474	11,474
SO2 Allowances Consumed (1997 \$000) -- Woodsdale GT3	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Woodsdale GT3	14	14	14	14	14	14	14	14	14	14	14	14
CO2 Taxes (1997 \$000) -- Woodsdale GT3	115	115	115	115	115	115	115	115	115	115	115	115
Recalculation of cost w/ adders	643	643	643	643	643	643	643	643	643	643	643	643

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Woodsdale GT4												
Retire Year	2027											
Unit Type	Gas											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total less NOx	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
Base Fuel (ozone)	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NOx Adder (ozone)	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18
CO2 Rate (ozone)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder (ozone)	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total with NOx	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38
Weighted Avg	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	650	650	650	650	650	650	650	650	650	650	650	650
Maps Spot Price w/adders (\$1997/MMBtu)	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT4	198,080	198,080	198,080	198,080	198,080	198,080	198,080	198,080	198,080	198,080	198,080	198,080
Spot Market Price w/o adders (\$1997/MMBtu)	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	519	519	519	519	519	519	519	519	519	519	519	519
Spot Purchases												
MMBtu	198,080	198,080	198,080	198,080	198,080	198,080	198,080	198,080	198,080	198,080	198,080	198,080
Cost of Spot Purchases (1997 \$000)	519	519	519	519	519	519	519	519	519	519	519	519
Total Fuel Cost-- Woodsdale GT4	519	519	519	519	519	519	519	519	519	519	519	519
SO2 Emissions (Tons) -- Woodsdale GT4	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT4	4	4	4	4	4	4	4	4	4	4	4	4
CO2 Emissions (Tons) -- Woodsdale GT4	11,588	11,588	11,588	11,588	11,588	11,588	11,588	11,588	11,588	11,588	11,588	11,588
SO2 Allowances Consumed (1997 \$000) -- Woodsdale GT4	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Woodsdale GT4	14	14	14	14	14	14	14	14	14	14	14	14
CO2 Taxes (1997 \$000) -- Woodsdale GT4	116	116	116	116	116	116	116	116	116	116	116	116
Recalculation of cost w/ adders												
	650	650	650	650	650	650	650	650	650	650	650	650

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Woodsdale GT5												
Retire Year	2027											
Unit Type	Gas											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total less NOx	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
Base Fuel (ozone)	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NOx Adder (ozone)	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18
CO2 Rate (ozone)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder (ozone)	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total with NOx	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38
Weighted Avg	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	641	641	641	641	641	641	641	641	641	641	641	641
Maps Spot Price w/adders (\$1997/MMBtu)	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT5	195,577	195,577	195,577	195,577	195,577	195,577	195,577	195,577	195,577	195,577	195,577	195,577
Spot Market Price w/o adders (\$1997/MMBtu)	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	513	513	513	513	513	513	513	513	513	513	513	513
Spot Purchases												
MMBtu	195,577	195,577	195,577	195,577	195,577	195,577	195,577	195,577	195,577	195,577	195,577	195,577
Cost of Spot Purchases (1997 \$000)	513	513	513	513	513	513	513	513	513	513	513	513
Total Fuel Cost-- Woodsdale GT5	513	513	513	513	513	513	513	513	513	513	513	513
SO2 Emissions (Tons) -- Woodsdale GT5												
Seasonal NOx Emissions (Tons) -- Woodsdale GT5	4	4	4	4	4	4	4	4	4	4	4	4
CO2 Emissions (Tons) -- Woodsdale GT5	11,441	11,441	11,441	11,441	11,441	11,441	11,441	11,441	11,441	11,441	11,441	11,441
SO2 Allowances Consumed (1997 \$000) -- Woodsdale GT5												
NOx Allowances Consumed (1997 \$000) -- Woodsdale GT5	14	14	14	14	14	14	14	14	14	14	14	14
CO2 Taxes (1997 \$000) -- Woodsdale GT5	114	114	114	114	114	114	114	114	114	114	114	114
Recalculation of cost w/ adders												
	641	641	641	641	641	641	641	641	641	641	641	641

**CONFIDENTIAL PROPRIETARY
TRADE SECRET**

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Woodsdale GT6												
Retire Year	2027											
Unit Type	Gas											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total less NOx	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
Base Fuel (ozone)	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NOx Adder (ozone)	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18
CO2 Rate (ozone)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder (ozone)	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total with NOx	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38
Weighted Avg	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28
Maps Generation (MWh)	17,493	17,493	17,493	17,493	17,493	17,493	17,493	17,493	17,493	17,493	17,493	17,493
Maps Required Fuel w/adders (1997 \$000s)	649	649	649	649	649	649	649	649	649	649	649	649
Maps Spot Price w/adders (\$1997/MMBtu)	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT6	197,911	197,911	197,911	197,911	197,911	197,911	197,911	197,911	197,911	197,911	197,911	197,911
Spot Market Price w/o adders (\$1997/MMBtu)	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	519	519	519	519	519	519	519	519	519	519	519	519
Spot Purchases												
MMBtu	197,911	197,911	197,911	197,911	197,911	197,911	197,911	197,911	197,911	197,911	197,911	197,911
Cost of Spot Purchases (1997 \$000)	519	519	519	519	519	519	519	519	519	519	519	519
Total Fuel Cost-- Woodsdale GT6	519	519	519	519	519	519	519	519	519	519	519	519
SO2 Emissions (Tons) -- Woodsdale GT6	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT6	4	4	4	4	4	4	4	4	4	4	4	4
CO2 Emissions (Tons) -- Woodsdale GT6	11,578	11,578	11,578	11,578	11,578	11,578	11,578	11,578	11,578	11,578	11,578	11,578
SO2 Allowances Consumed (1997 \$000) -- Woodsdale GT6	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Woodsdale GT6	14	14	14	14	14	14	14	14	14	14	14	14
CO2 Taxes (1997 \$000) -- Woodsdale GT6	116	116	116	116	116	116	116	116	116	116	116	116
Recalculation of cost w/ adders	649	649	649	649	649	649	649	649	649	649	649	649

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Zimmer 1												
Retire Year	2031											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74
SO2 Rate	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
SO2 Adder	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89
Base Fuel	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74
SO2 Rate (Base)	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74
SO2 Rate (ozone)	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
SO2 Adder (ozone)	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11
NOx Rate (ozone)	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
NOx Adder (ozone)	\$ 0.12	\$ 0.12	\$ 0.12	\$ 0.12	\$ 0.12	\$ 0.12	\$ 0.12	\$ 0.12	\$ 0.12	\$ 0.12	\$ 0.12	\$ 0.12
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 2.01	\$ 2.01	\$ 2.01	\$ 2.01	\$ 2.01	\$ 2.01	\$ 2.01	\$ 2.01	\$ 2.01	\$ 2.01	\$ 2.01	\$ 2.01
Weighted Avg	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94
Maps Generation (MWh)	4,404,566	4,404,566	4,404,556	4,404,556	4,404,556	4,404,556	4,404,556	4,404,556	4,404,556	4,404,556	4,404,556	4,404,556
Maps Required Fuel w/adders (1997 \$000s)	84,183	84,183	84,183	84,183	84,183	84,183	84,183	84,183	84,183	84,183	84,183	84,183
Maps Spot Price w/adders (\$1997/MMBtu)	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
Maps Req. Spot Purchases (MMBtu) -- Zimmer 1	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422
Spot Market Price w/o adders (\$1997/MMBtu)	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74
Maps Fuel Cost w/o adders (1997 \$000s)	32,202	32,202	32,202	32,202	32,202	32,202	32,202	32,202	32,202	32,202	32,202	32,202
Spot Purchases												
MMBtu	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422
Cost of Spot Purchases (1997 \$000)	32,202	32,202	32,202	32,202	32,202	32,202	32,202	32,202	32,202	32,202	32,202	32,202
Total Fuel Cost-- Zimmer 1	32,202	32,202	32,202	32,202	32,202	32,202	32,202	32,202	32,202	32,202	32,202	32,202
SO2 Emissions (Tons) -- Zimmer 1	11,728	11,728	11,728	11,728	11,728	11,728	11,728	11,728	11,728	11,728	11,728	11,728
Seasonal NOx Emissions (Tons) -- Zimmer 1	633	633	633	633	633	633	633	633	633	633	633	633
CO2 Emissions (Tons) -- Zimmer 1	4,515,424	4,515,424	4,515,424	4,515,424	4,515,424	4,515,424	4,515,424	4,515,424	4,515,424	4,515,424	4,515,424	4,515,424
SO2 Allowances Consumed (1997 \$000) -- Zimmer 1	4,609	4,609	4,609	4,609	4,609	4,609	4,609	4,609	4,609	4,609	4,609	4,609
NOx Allowances Consumed (1997 \$000) -- Zimmer 1	2,217	2,217	2,217	2,217	2,217	2,217	2,217	2,217	2,217	2,217	2,217	2,217
CO2 Taxes (1997 \$000) -- Zimmer 1	45,154	45,154	45,154	45,154	45,154	45,154	45,154	45,154	45,154	45,154	45,154	45,154
Recalculation of cost w/ adders	84,183	84,183	84,183	84,183	84,183	84,183	84,183	84,183	84,183	84,183	84,183	84,183

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Maps Req. Spot Purchases (MMBtu)												
Maps Req. Spot Purchases (MMBtu) -- Beckjord 1	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Beckjord 2	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Beckjord 3	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Beckjord 4	5,218,600	5,218,600	2,608,300	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Beckjord 5	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Beckjord 6	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Conesville 4	12,213,387	12,213,387	12,213,387	12,213,387	12,213,387	12,213,387	12,213,387	12,213,387	12,213,387	6,106,693	-	-
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- East Bend 2	31,007,820	31,007,820	31,007,820	31,007,820	31,007,820	31,007,820	31,007,820	31,007,820	31,007,820	31,007,820	15,503,910	-
Maps Req. Spot Purchases (MMBtu) -- Killen Station 2	13,807,518	13,807,518	13,807,518	13,807,518	13,807,518	13,807,518	13,807,518	13,807,518	13,807,518	13,807,518	13,807,518	13,807,518
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 5	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 6	8,566,644	8,566,644	8,566,644	8,566,644	4,283,322	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 7	16,507,475	16,507,475	16,507,475	16,507,475	8,253,737	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 8	20,108,636	20,108,636	20,108,636	20,108,636	20,108,636	20,108,636	20,108,636	10,054,318	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Stuart 1	13,580,615	13,580,615	13,580,615	13,580,615	13,580,615	13,580,615	13,580,615	13,580,615	13,580,615	13,580,615	6,790,307	-
Maps Req. Spot Purchases (MMBtu) -- Stuart 2	14,096,707	14,096,707	14,096,707	14,096,707	14,096,707	14,096,707	14,096,707	14,096,707	14,096,707	14,096,707	7,048,354	-
Maps Req. Spot Purchases (MMBtu) -- Stuart 3	12,477,666	12,477,666	12,477,666	12,477,666	12,477,666	12,477,666	12,477,666	12,477,666	12,477,666	12,477,666	6,238,633	-
Maps Req. Spot Purchases (MMBtu) -- Stuart 4	13,648,760	13,648,760	13,648,760	13,648,760	13,648,760	13,648,760	13,648,760	13,648,760	13,648,760	13,648,760	6,824,380	-
Maps Req. Spot Purchases (MMBtu) -- Wooddale GT1	171,193	171,193	171,193	171,193	171,193	171,193	171,193	171,193	171,193	171,193	171,193	171,193
Maps Req. Spot Purchases (MMBtu) -- Wooddale GT2	166,318	166,318	166,318	166,318	166,318	166,318	166,318	166,318	166,318	166,318	166,318	166,318
Maps Req. Spot Purchases (MMBtu) -- Wooddale GT3	196,133	196,133	196,133	196,133	196,133	196,133	196,133	196,133	196,133	196,133	196,133	196,133
Maps Req. Spot Purchases (MMBtu) -- Wooddale GT4	198,080	198,080	198,080	198,080	198,080	198,080	198,080	198,080	198,080	198,080	198,080	198,080
Maps Req. Spot Purchases (MMBtu) -- Wooddale GT5	195,577	195,577	195,577	195,577	195,577	195,577	195,577	195,577	195,577	195,577	195,577	195,577
Maps Req. Spot Purchases (MMBtu) -- Wooddale GT6	197,911	197,911	197,911	197,911	197,911	197,911	197,911	197,911	197,911	197,911	197,911	197,911
Maps Req. Spot Purchases (MMBtu) -- Zimmer 1	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422
Total	205,797,451	205,797,461	203,188,181	200,576,861	188,041,802	175,504,743	175,504,743	165,450,425	155,396,107	149,288,413	100,776,936	58,371,152

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
SO2 Emissions (Tons)												
SO2 Emissions (Tons) -- Beckjord 1	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord 2	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord 3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord 4	4,131	4,131	2,066	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord 5	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord 6	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Cokesville 4	27,480	27,480	27,480	27,480	27,480	27,480	27,480	27,480	27,480	13,740	-	-
SO2 Emissions (Tons) -- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- East Bend 2	7,752	7,752	7,752	7,752	7,752	7,752	7,752	7,752	7,752	7,752	3,876	-
SO2 Emissions (Tons) -- Killen Station 2	8,285	8,285	8,285	8,285	8,285	8,285	8,285	8,285	8,285	8,285	8,285	8,285
SO2 Emissions (Tons) -- Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort 5	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort 6	12,207	12,207	12,207	12,207	6,104	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort 7	23,523	23,523	23,523	23,523	11,762	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort 8	12,065	12,065	12,065	12,065	12,065	12,065	12,065	8,033	-	-	-	-
SO2 Emissions (Tons) -- Stuart 1	10,864	10,864	10,864	10,864	10,864	10,864	10,864	10,864	10,864	10,864	5,432	-
SO2 Emissions (Tons) -- Stuart 2	11,277	11,277	11,277	11,277	11,277	11,277	11,277	11,277	11,277	11,277	5,639	-
SO2 Emissions (Tons) -- Stuart 3	9,982	9,982	9,982	9,982	9,982	9,982	9,982	9,982	9,982	9,982	4,991	-
SO2 Emissions (Tons) -- Stuart 4	10,919	10,919	10,919	10,919	10,919	10,919	10,919	10,919	10,919	10,919	5,460	-
SO2 Emissions (Tons) -- Woodsdale GT1	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Woodsdale GT2	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Woodsdale GT3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Woodsdale GT4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Woodsdale GT5	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Woodsdale GT6	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Zimmer 1	11,728	11,728	11,728	11,728	11,728	11,728	11,728	11,728	11,728	11,728	11,728	11,728
Total	150,215	150,215	148,149	146,064	128,218	110,363	110,353	104,321	99,286	84,548	45,410	20,013

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Seasonal NOx Emissions (Tons)												
Seasonal NOx Emissions (Tons) -- Beckjord 1	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord 2	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord 3	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord 4	361	361	180	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord 5	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord 6	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Conesville 4	183	183	183	183	183	183	183	183	183	92	-	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- East Bend 2	388	388	388	388	388	388	388	388	388	388	194	-
Seasonal NOx Emissions (Tons) -- Killen Station 2	259	259	259	259	259	259	259	259	259	259	259	259
Seasonal NOx Emissions (Tons) -- Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort 5	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort 6	410	410	410	410	205	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort 7	254	254	254	254	127	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort 8	306	306	306	306	306	306	306	153	-	-	-	-
Seasonal NOx Emissions (Tons) -- Stuart 1	396	396	396	396	396	396	396	396	396	396	188	-
Seasonal NOx Emissions (Tons) -- Stuart 2	411	411	411	411	411	411	411	411	411	411	206	-
Seasonal NOx Emissions (Tons) -- Stuart 3	364	364	364	364	364	364	364	364	364	364	182	-
Seasonal NOx Emissions (Tons) -- Stuart 4	341	341	341	341	341	341	341	341	341	341	171	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT1	4	4	4	4	4	4	4	4	4	4	4	4
Seasonal NOx Emissions (Tons) -- Woodsdale GT2	3	3	3	3	3	3	3	3	3	3	3	3
Seasonal NOx Emissions (Tons) -- Woodsdale GT3	4	4	4	4	4	4	4	4	4	4	4	4
Seasonal NOx Emissions (Tons) -- Woodsdale GT4	4	4	4	4	4	4	4	4	4	4	4	4
Seasonal NOx Emissions (Tons) -- Woodsdale GT5	4	4	4	4	4	4	4	4	4	4	4	4
Seasonal NOx Emissions (Tons) -- Woodsdale GT6	4	4	4	4	4	4	4	4	4	4	4	4
Seasonal NOx Emissions (Tons) -- Zimmer 1	633	633	633	633	633	633	633	633	633	633	633	633
Total	4,331	4,331	4,150	3,970	3,637	3,305	3,305	3,152	2,999	2,907	1,866	916

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
CO2 Taxes (1997 \$000)												
CO2 Taxes (1997 \$000) -- Beckford 1	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckford 2	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckford 3	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckford 4	5,425	5,425	2,712	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckford 5	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckford 6	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckford GT1	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckford GT2	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckford GT3	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckford GT4	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Conesville 4	12,696	12,696	12,696	12,696	12,696	12,696	12,696	12,696	12,696	6,348	-	-
CO2 Taxes (1997 \$000) -- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- East Bend 2	32,233	32,233	32,233	32,233	32,233	32,233	32,233	32,233	32,233	32,233	16,116	-
CO2 Taxes (1997 \$000) -- Killen Station 2	14,353	14,353	14,353	14,353	14,353	14,353	14,353	14,353	14,353	14,353	14,353	14,353
CO2 Taxes (1997 \$000) -- Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Miami Fort 5	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Miami Fort 6	8,905	8,905	8,905	8,905	4,453	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Miami Fort 7	17,160	17,160	17,160	17,160	8,580	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Miami Fort 8	20,903	20,903	20,903	20,903	20,903	20,903	20,903	10,451	-	-	-	-
CO2 Taxes (1997 \$000) -- Stuart 1	14,117	14,117	14,117	14,117	14,117	14,117	14,117	14,117	14,117	14,117	7,059	-
CO2 Taxes (1997 \$000) -- Stuart 2	14,654	14,654	14,654	14,654	14,654	14,654	14,654	14,654	14,654	14,654	7,327	-
CO2 Taxes (1997 \$000) -- Stuart 3	12,971	12,971	12,971	12,971	12,971	12,971	12,971	12,971	12,971	12,971	6,485	-
CO2 Taxes (1997 \$000) -- Stuart 4	14,188	14,188	14,188	14,188	14,188	14,188	14,188	14,188	14,188	14,188	7,094	-
CO2 Taxes (1997 \$000) -- Woodsdale GT1	100	100	100	100	100	100	100	100	100	100	100	100
CO2 Taxes (1997 \$000) -- Woodsdale GT2	97	97	97	97	97	97	97	97	97	97	97	97
CO2 Taxes (1997 \$000) -- Woodsdale GT3	115	115	115	115	115	115	115	115	115	115	115	115
CO2 Taxes (1997 \$000) -- Woodsdale GT4	116	116	116	116	116	116	116	116	116	116	116	116
CO2 Taxes (1997 \$000) -- Woodsdale GT5	114	114	114	114	114	114	114	114	114	114	114	114
CO2 Taxes (1997 \$000) -- Woodsdale GT6	116	116	116	116	116	116	116	116	116	116	116	116
CO2 Taxes (1997 \$000) -- Zimmer 1	45,154	45,154	45,154	45,154	45,154	45,154	45,154	45,154	45,154	45,154	45,154	45,154
Total	213,415	213,415	210,703	207,990	194,958	181,926	181,926	171,474	161,023	154,675	104,246	60,165

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-6

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Fuel Cost												
Total Fuel Cost-- Beckjord 1	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord 2	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord 3	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord 4	6,135	6,135	3,068	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord 5	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord 6	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Conesville 4	8,914	8,914	8,914	8,914	8,914	8,914	8,914	8,914	8,914	4,457	-	-
Total Fuel Cost-- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- East Bend 2	23,433	23,433	23,433	23,433	23,433	23,433	23,433	23,433	23,433	23,433	11,716	-
Total Fuel Cost-- Killen Station 2	14,780	14,780	14,780	14,780	14,780	14,780	14,780	14,780	14,780	14,780	14,780	14,780
Total Fuel Cost-- Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Miami Fort 5	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Miami Fort 6	7,291	7,291	7,291	7,291	3,646	-	-	-	-	-	-	-
Total Fuel Cost-- Miami Fort 7	14,050	14,050	14,050	14,050	7,025	-	-	-	-	-	-	-
Total Fuel Cost-- Miami Fort 8	21,857	21,857	21,857	21,857	21,857	21,857	21,857	10,928	-	-	-	-
Total Fuel Cost-- Stuart 1	15,003	15,003	15,003	15,003	15,003	15,003	15,003	15,003	15,003	15,003	7,502	-
Total Fuel Cost-- Stuart 2	15,574	15,574	15,574	15,574	15,574	15,574	15,574	15,574	15,574	15,574	7,787	-
Total Fuel Cost-- Stuart 3	13,785	13,785	13,785	13,785	13,785	13,785	13,785	13,785	13,785	13,785	6,892	-
Total Fuel Cost-- Stuart 4	15,079	15,079	15,079	15,079	15,079	15,079	15,079	15,079	15,079	15,079	7,539	-
Total Fuel Cost-- Woodsdale GT1	449	449	449	449	449	449	449	449	449	449	449	449
Total Fuel Cost-- Woodsdale GT2	436	436	436	436	436	436	436	436	436	436	436	436
Total Fuel Cost-- Woodsdale GT3	514	514	514	514	514	514	514	514	514	514	514	514
Total Fuel Cost-- Woodsdale GT4	519	519	519	519	519	519	519	519	519	519	519	519
Total Fuel Cost-- Woodsdale GT5	513	513	513	513	513	513	513	513	513	513	513	513
Total Fuel Cost-- Woodsdale GT6	519	519	519	519	519	519	519	519	519	519	519	519
Total Fuel Cost-- Zimmer 1	32,202	32,202	32,202	32,202	32,202	32,202	32,202	32,202	32,202	32,202	32,202	32,202
Total	191,052	191,052	187,984	184,918	174,246	163,575	163,575	162,647	141,719	137,262	91,368	49,932

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

		<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>	<u>2033</u>	<u>2034</u>
\$/Ton	\$	393	\$ 393	\$ 393	\$ 393	\$ 393	\$ 393	\$ 393	\$ 393	\$ 393	\$ 393	\$ 393	\$ 393
\$/lb	\$	0.20	\$ 0.20	\$ 0.20	\$ 0.20	\$ 0.20	\$ 0.20	\$ 0.20	\$ 0.20	\$ 0.20	\$ 0.20	\$ 0.20	\$ 0.20
\$/Ton	\$	3,500	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500
\$/lb	\$	1.75	\$ 1.75	\$ 1.75	\$ 1.75	\$ 1.75	\$ 1.75	\$ 1.75	\$ 1.75	\$ 1.75	\$ 1.75	\$ 1.75	\$ 1.75
\$/Ton	\$	10	\$ 10	\$ 10	\$ 10	\$ 10	\$ 10	\$ 10	\$ 10	\$ 10	\$ 10	\$ 10	\$ 10
\$/lb	\$	0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-6

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Beckjord 1												
Retire Year	2009											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53
Base Fuel	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate (Base)	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate (ozone)	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder (ozone)	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
NOx Rate (ozone)	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
NOx Adder (ozone)	\$ 0.51	\$ 0.51	\$ 0.51	\$ 0.51	\$ 0.51	\$ 0.51	\$ 0.51	\$ 0.51	\$ 0.51	\$ 0.51	\$ 0.51	\$ 0.51
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 3.04	\$ 3.04	\$ 3.04	\$ 3.04	\$ 3.04	\$ 3.04	\$ 3.04	\$ 3.04	\$ 3.04	\$ 3.04	\$ 3.04	\$ 3.04
Weighted Avg	\$ 2.74	\$ 2.74	\$ 2.74	\$ 2.74	\$ 2.74	\$ 2.74	\$ 2.74	\$ 2.74	\$ 2.74	\$ 2.74	\$ 2.74	\$ 2.74
Maps Generation (MWh)	108,509	108,509	108,509	108,509	108,509	108,509	108,509	108,509	108,509	108,509	108,509	108,509
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74
Maps Req. Spot Purchases (MMBtu) -- Beckjord 1	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord 1	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord 1	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord 1	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Beckjord 1	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord 1	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Beckjord 1	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckjord 1	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Beckjord 2												
Retire Year	2009											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53
Base Fuel	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate (Base)	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate (ozone)	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder (ozone)	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
NOx Rate (ozone)	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
NOx Adder (ozone)	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 3.02	\$ 3.02	\$ 3.02	\$ 3.02	\$ 3.02	\$ 3.02	\$ 3.02	\$ 3.02	\$ 3.02	\$ 3.02	\$ 3.02	\$ 3.02
Weighted Avg	\$ 2.73	\$ 2.73	\$ 2.73	\$ 2.73	\$ 2.73	\$ 2.73	\$ 2.73	\$ 2.73	\$ 2.73	\$ 2.73	\$ 2.73	\$ 2.73
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	101,851	101,851	101,851	101,851	101,851	101,851	101,851	101,851	101,851	101,851	101,851	101,851
Maps Spot Price w/adders (\$1997/MMBtu)	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
Maps Req. Spot Purchases (MMBtu) -- Beckjord 2	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord 2	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord 2	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord 2	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Beckjord 2	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord 2	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Beckjord 2	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckjord 2	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders												
	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-6

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Beckjord 3												
Retire Year	2009											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53
Base Fuel	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate (Base)	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate (ozone)	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder (ozone)	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
NOx Rate (ozone)	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
NOx Adder (ozone)	\$ 0.96	\$ 0.96	\$ 0.96	\$ 0.96	\$ 0.96	\$ 0.96	\$ 0.96	\$ 0.96	\$ 0.96	\$ 0.96	\$ 0.96	\$ 0.96
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 3.48	\$ 3.48	\$ 3.48	\$ 3.48	\$ 3.48	\$ 3.48	\$ 3.48	\$ 3.48	\$ 3.48	\$ 3.48	\$ 3.48	\$ 3.48
Weighted Avg	\$ 2.92	\$ 2.92	\$ 2.92	\$ 2.92	\$ 2.92	\$ 2.92	\$ 2.92	\$ 2.92	\$ 2.92	\$ 2.92	\$ 2.92	\$ 2.92
Maps Generation (MWh)												
Maps Generation (MWh)	220,640	220,640	220,640	220,640	220,640	220,640	220,640	220,640	220,640	220,640	220,640	220,640
Maps Required Fuel w/adders (1997 \$000s)												
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)												
Maps Spot Price w/adders (\$1997/MMBtu)	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92
Maps Req. Spot Purchases (MMBtu) -- Beckjord 3												
Maps Req. Spot Purchases (MMBtu) -- Beckjord 3	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)												
Spot Market Price w/o adders (\$1997/MMBtu)	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
Maps Fuel Cost w/o adders (1997 \$000s)												
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases												
MMBtu												
Spot Purchases (MMBtu)	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)												
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord 3												
Total Fuel Cost-- Beckjord 3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord 3												
SO2 Emissions (Tons) -- Beckjord 3	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord 3												
Seasonal NOx Emissions (Tons) -- Beckjord 3	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Beckjord 3												
CO2 Emissions (Tons) -- Beckjord 3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord 3												
SO2 Allowances Consumed (1997 \$000) -- Beckjord 3	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Beckjord 3												
NOx Allowances Consumed (1997 \$000) -- Beckjord 3	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckjord 3												
CO2 Taxes (1997 \$000) -- Beckjord 3	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders												
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Beckjord 4												
Retire Year	2013											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53
Base Fuel	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate (Base)	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate (ozone)	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder (ozone)	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
NOx Rate (ozone)	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
NOx Adder (ozone)	\$ 0.58	\$ 0.58	\$ 0.58	\$ 0.58	\$ 0.58	\$ 0.58	\$ 0.58	\$ 0.58	\$ 0.58	\$ 0.58	\$ 0.58	\$ 0.58
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11
Weighted Avg	\$ 2.77	\$ 2.77	\$ 2.77	\$ 2.77	\$ 2.77	\$ 2.77	\$ 2.77	\$ 2.77	\$ 2.77	\$ 2.77	\$ 2.77	\$ 2.77
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77
Maps Req. Spot Purchases (MMBtu) -- Beckjord 4	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord 4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord 4	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord 4	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Beckjord 4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord 4	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Beckjord 4	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckjord 4	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders												
	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Beckjord 5												
Retire Year	2009											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53
Base Fuel	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate (Base)	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate (ozone)	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder (ozone)	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
NOx Rate (ozone)	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
NOx Adder (ozone)	\$ 0.69	\$ 0.69	\$ 0.69	\$ 0.69	\$ 0.69	\$ 0.69	\$ 0.69	\$ 0.69	\$ 0.69	\$ 0.69	\$ 0.69	\$ 0.69
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 3.22	\$ 3.22	\$ 3.22	\$ 3.22	\$ 3.22	\$ 3.22	\$ 3.22	\$ 3.22	\$ 3.22	\$ 3.22	\$ 3.22	\$ 3.22
Weighted Avg	\$ 2.82	\$ 2.82	\$ 2.82	\$ 2.82	\$ 2.82	\$ 2.82	\$ 2.82	\$ 2.82	\$ 2.82	\$ 2.82	\$ 2.82	\$ 2.82
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	756,014	756,014	756,014	756,014	756,014	756,014	756,014	756,014	756,014	756,014	756,014	756,014
Maps Spot Price w/adders (\$1997/MMBtu)	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82
Maps Req. Spot Purchases (MMBtu) -- Beckjord 5	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord 5	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord 5	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord 5	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Beckjord 5	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord 5	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Beckjord 5	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckjord 5	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Beckjord 6												
Retire Year	2009											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53	\$ 2.53
Base Fuel	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate (Base)	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18
SO2 Rate (ozone)	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
SO2 Adder (ozone)	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
NOx Rate (ozone)	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
NOx Adder (ozone)	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 3.19	\$ 3.19	\$ 3.19	\$ 3.19	\$ 3.19	\$ 3.19	\$ 3.19	\$ 3.19	\$ 3.19	\$ 3.19	\$ 3.19	\$ 3.19
Weighted Avg	\$ 2.80	\$ 2.80	\$ 2.80	\$ 2.80	\$ 2.80	\$ 2.80	\$ 2.80	\$ 2.80	\$ 2.80	\$ 2.80	\$ 2.80	\$ 2.80
Maps Generation (MWh)	300,630	300,630	300,630	300,630	300,630	300,630	300,630	300,630	300,630	300,630	300,630	300,630
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80
Maps Req. Spot Purchases (MMBtu) -- Beckjord 6	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord 6	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord 6	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord 6	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Beckjord 6	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord 6	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Beckjord 6	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckjord 6	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Beckjord GT1												
Retire Year	2009											
Unit Type	Distillate Oil											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total less NOx	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
Base Fuel (ozone)	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
NOx Adder (ozone)	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35
CO2 Rate (ozone)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder (ozone)	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total with NOx	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62
Weighted Avg	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41
Maps Generation (MWh)	7,736	7,736	7,736	7,736	7,736	7,736	7,736	7,736	7,736	7,736	7,736	7,736
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41
Maps Req. Spot Purchases (MMBtu) -- Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-6

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Beckjord GT2												
Refire Year	2009											
Unit Type	Distillate Oil											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 4.48	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total less NOx	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
Base Fuel (ozone)	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
NOx Adder (ozone)	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35
CO2 Rate (ozone)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder (ozone)	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total with NOx	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62
Weighted Avg	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41
Maps Generation (MWh)	7,668	7,668	7,668	7,668	7,668	7,668	7,668	7,668	7,668	7,668	7,668	7,668
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41
Maps Req. Spot Purchases (MMBtu) -- Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Beckjord GT3												
Retire Year	2009											
Unit Type	Distillate Oil											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total less NOx	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
Base Fuel (ozone)	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
NOx Adder (ozone)	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35
CO2 Rate (ozone)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder (ozone)	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total with NOx	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62
Weighted Avg	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41
Maps Generation (MWh)	5,406	5,406	5,406	5,406	5,406	5,406	5,406	5,406	5,406	5,406	5,406	5,406
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41
Maps Req. Spot Purchases (MMBtu) -- Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Beckjord GT4												
Retire Year	2009											
Unit Type	Distillate Oil											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total less NOx	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
Base Fuel (ozone)	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
NOx Adder (ozone)	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35
CO2 Rate (ozone)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder (ozone)	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total with NOx	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62
Weighted Avg	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41
Maps Generation (MWh)	7,225	7,225	7,225	7,225	7,225	7,225	7,225	7,225	7,225	7,225	7,225	7,225
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41
Maps Req. Spot Purchases (MMBtu) -- Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Conesville 4												
Retire Year	2020											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73
SO2 Rate	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
SO2 Adder	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.65	\$ 2.65	\$ 2.65	\$ 2.65	\$ 2.65	\$ 2.65	\$ 2.65	\$ 2.65	\$ 2.65	\$ 2.65	\$ 2.65	\$ 2.65
Base Fuel	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73
SO2 Rate (Base)	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73	\$ 0.73
SO2 Rate (ozone)	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
SO2 Adder (ozone)	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88	\$ 0.88
NOx Rate (ozone)	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
NOx Adder (ozone)	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 2.78	\$ 2.78	\$ 2.78	\$ 2.78	\$ 2.78	\$ 2.78	\$ 2.78	\$ 2.78	\$ 2.78	\$ 2.78	\$ 2.78	\$ 2.78
Weighted Avg	\$ 2.71	\$ 2.71	\$ 2.71	\$ 2.71	\$ 2.71	\$ 2.71	\$ 2.71	\$ 2.71	\$ 2.71	\$ 2.71	\$ 2.71	\$ 2.71
Maps Generation (MWh)	1,257,016	1,257,016	1,257,016	1,257,016	1,257,016	1,257,016	1,257,016	1,257,016	1,257,016	1,257,016	1,257,016	1,257,016
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71
Maps Req. Spot Purchases (MMBtu) -- Conesville 4	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Coal Washing	-	-	-	-	-	-	-	-	-	-	-	-
Total Coal Washer Cost (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Conesville 4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Conesville 4	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Conesville 4	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Conesville 4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Conesville 4	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Conesville 4	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Conesville 4	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2025	2027	2028	2029	2030	2031	2032	2033	2034
Dicks Creek 1												
Retire Year	2009											
Unit Type	Gas											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total less NOx	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
Base Fuel (ozone)	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NOx Adder (ozone)	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18
CO2 Rate (ozone)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder (ozone)	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total with NOx	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38
Weighted Avg	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28
Maps Generation (MWh)	17,848	17,848	17,848	17,848	17,848	17,848	17,848	17,848	17,848	17,848	17,848	17,848
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Dicks Creek 3												
Retire Year	2009											
Unit Type	Gas											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total less NOx	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
Base Fuel (ozone)	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NOx Adder (ozone)	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18
CO2 Rate (ozone)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder (ozone)	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total with NOx	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38
Weighted Avg	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28
Maps Generation (MWh)	2,755	2,755	2,755	2,755	2,755	2,755	2,755	2,755	2,755	2,755	2,755	2,755
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Dicks Creek 4												
Retire Year	2009											
Unit Type	Distillate Oil											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total less NOx	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
Base Fuel (ozone)	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
NOx Adder (ozone)	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35
CO2 Rate (ozone)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder (ozone)	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total with NOx	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62
Weighted Avg	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41
Maps Generation (MWh)	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Dicks Creek 5												
Retire Year	2009											
Unit Type	Distillate Oil											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total less NOx	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
Base Fuel (ozone)	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
NOx Adder (ozone)	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35
CO2 Rate (ozone)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder (ozone)	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total with NOx	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62
Weighted Avg	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41
Maps Generation (MWh)	1,469	1,469	1,469	1,469	1,469	1,469	1,469	1,469	1,469	1,469	1,469	1,469
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
East Bend 2												
Retire Year	2021											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76
SO2 Rate	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
SO2 Adder	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89
Base Fuel	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76
SO2 Rate (Base)	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76	\$ 0.76
SO2 Rate (ozone)	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
SO2 Adder (ozone)	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10
NOx Rate (ozone)	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
NOx Adder (ozone)	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00
Weighted Avg	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94
Maps Generation (MWh)	3,110,216	3,110,216	3,110,216	3,110,216	3,110,216	3,110,216	3,110,216	3,110,216	3,110,216	3,110,216	3,110,216	3,110,216
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
Maps Req. Spot Purchases (MMBtu) -- East Bend 2	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- East Bend 2	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- East Bend 2	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- East Bend 2	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- East Bend 2	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- East Bend 2	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- East Bend 2	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- East Bend 2	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Killen Station 2												
Retire Year	2025											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07
SO2 Rate	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
SO2 Adder	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.35	\$ 2.35	\$ 2.35	\$ 2.35	\$ 2.35	\$ 2.35	\$ 2.35	\$ 2.35	\$ 2.35	\$ 2.35	\$ 2.35	\$ 2.35
Base Fuel	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07
SO2 Rate (Base)	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07
SO2 Rate (ozone)	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
SO2 Adder (ozone)	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24
NOx Rate (ozone)	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
NOx Adder (ozone)	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16	\$ 0.16
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50
Weighted Avg	\$ 2.41	\$ 2.41	\$ 2.41	\$ 2.41	\$ 2.41	\$ 2.41	\$ 2.41	\$ 2.41	\$ 2.41	\$ 2.41	\$ 2.41	\$ 2.41
Maps Generation (MWh)	1,427,158	1,427,158	1,427,158	1,427,158	1,427,158	1,427,158	1,427,158	1,427,158	1,427,158	1,427,158	1,427,158	1,427,158
Maps Required Fuel w/adders (1997 \$000s)	33,294	33,294	16,647	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41
Maps Req. Spot Purchases (MMBtu) -- Killen Station 2	13,807,518	13,807,518	6,903,759	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Maps Fuel Cost w/o adders (1997 \$000s)	14,780	14,780	7,390	-	-	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	13,807,518	13,807,518	6,903,759	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	14,780	14,780	7,390	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Killen Station 2	14,780	14,780	7,390	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Killen Station 2	8,285	8,285	4,142	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Killen Station 2	259	259	129	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Killen Station 2	1,435,292	1,435,292	717,646	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Killen Station 2	3,256	3,256	1,628	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Killen Station 2	906	906	453	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Killen Station 2	14,353	14,353	7,176	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	33,294	33,294	16,647	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Miami Fort GT3												
Retire Year	2009											
Unit Type	Distillate Oil											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 4.48	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total less NOx	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
Base Fuel (ozone)	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
NOx Adder (ozone)	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35
CO2 Rate (ozone)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder (ozone)	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total with NOx	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62
Weighted Avg	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Miami Fort GT3												
SO2 Emissions (Tons) -- Miami Fort GT3												
Seasonal NOx Emissions (Tons) -- Miami Fort GT3												
CO2 Emissions (Tons) -- Miami Fort GT3												
SO2 Allowances Consumed (1997 \$000) -- Miami Fort GT3												
NOx Allowances Consumed (1997 \$000) -- Miami Fort GT3												
CO2 Taxes (1997 \$000) -- Miami Fort GT3												
Recalculation of cost w/ adders												

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Miami Fort GT4												
Retire Year	2006											
Unit Type	Distillate Oil											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total less NOx	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
Base Fuel (ozone)	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
NOx Adder (ozone)	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35
CO2 Rate (ozone)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder (ozone)	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total with NOx	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62
Weighted Avg	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	1,505	1,505	1,505	1,605	1,505	1,505	1,505	1,505	1,505	1,505	1,505	1,505
Maps Spot Price w/adders (\$1997/MMBtu)	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders												
	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Miami Fort GT5												
Retire Year	2009											
Unit Type	Distillate Oil											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total less NOx	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
Base Fuel (ozone)	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
NOx Adder (ozone)	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35
CO2 Rate (ozone)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder (ozone)	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total with NOx	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62
Weighted Avg	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41
Maps Generation (MWh)	1,505	1,505	1,505	1,505	1,505	1,505	1,505	1,505	1,505	1,505	1,505	1,505
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Miami Fort GT6												
Retire Year	2009											
Unit Type	Distillate Oil											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total less NOx	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27	\$ 5.27
Base Fuel	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
Base Fuel (ozone)	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46	\$ 4.46
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
NOx Adder (ozone)	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35	\$ 0.35
CO2 Rate (ozone)	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
CO2 Adder (ozone)	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81
Total with NOx	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62	\$ 5.62
Weighted Avg	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41	\$ 5.41
Maps Generation (MWh)	1,505	1,505	1,505	1,505	1,505	1,505	1,505	1,505	1,505	1,505	1,505	1,505
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Miami Fort 5												
Retire Year	2009											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85
SO2 Rate	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
SO2 Adder	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45
Base Fuel	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85
SO2 Rate (Base)	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85
SO2 Rate (ozone)	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
SO2 Adder (ozone)	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56
NOx Rate (ozone)	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
NOx Adder (ozone)	\$ 1.58	\$ 1.58	\$ 1.58	\$ 1.58	\$ 1.58	\$ 1.58	\$ 1.58	\$ 1.58	\$ 1.58	\$ 1.58	\$ 1.58	\$ 1.58
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 4.03	\$ 4.03	\$ 4.03	\$ 4.03	\$ 4.03	\$ 4.03	\$ 4.03	\$ 4.03	\$ 4.03	\$ 4.03	\$ 4.03	\$ 4.03
Weighted Avg	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11	\$ 3.11
Maps Generation (MWh)	33,489	33,489	33,489	33,489	33,489	33,489	33,489	33,489	33,489	33,489	33,489	33,489
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 5	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Miami Fort 5	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort 5	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort 5	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Miami Fort 5	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Miami Fort 5	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Miami Fort 5	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Miami Fort 5	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Miami Fort 6												
Retire Year	2015											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85
SO2 Rate	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
SO2 Adder	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.43	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45
Base Fuel	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85
SO2 Rate (Base)	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85
SO2 Rate (ozone)	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
SO2 Adder (ozone)	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56
NOx Rate (ozone)	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
NOx Adder (ozone)	\$ 0.40	\$ 0.40	\$ 0.40	\$ 0.40	\$ 0.40	\$ 0.40	\$ 0.40	\$ 0.40	\$ 0.40	\$ 0.40	\$ 0.40	\$ 0.40
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 2.85	\$ 2.85	\$ 2.85	\$ 2.85	\$ 2.85	\$ 2.85	\$ 2.85	\$ 2.85	\$ 2.85	\$ 2.85	\$ 2.85	\$ 2.85
Weighted Avg	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
Maps Generation (MWh)	885,424	885,424	885,424	885,424	885,424	885,424	885,424	885,424	885,424	885,424	885,424	885,424
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 6	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Miami Fort 6	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort 6	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort 6	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Miami Fort 6	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Miami Fort 6	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Miami Fort 6	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Miami Fort 6	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Miami Fort 7												
Retire Year	2015											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85
SO2 Rate	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
SO2 Adder	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.46	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45	\$ 2.45
Base Fuel	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85
SO2 Rate (Base)	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85	\$ 0.85
SO2 Rate (ozone)	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
SO2 Adder (ozone)	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56	\$ 0.56
NOx Rate (ozone)	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
NOx Adder (ozone)	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 2.58	\$ 2.58	\$ 2.58	\$ 2.58	\$ 2.58	\$ 2.58	\$ 2.58	\$ 2.58	\$ 2.58	\$ 2.58	\$ 2.58	\$ 2.58
Weighted Avg	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50
Maps Generation (MWh)	1,606,891	1,606,891	1,606,891	1,606,891	1,606,891	1,606,891	1,606,891	1,606,891	1,606,891	1,606,891	1,606,891	1,606,891
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 7	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Miami Fort 7	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort 7	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort 7	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Miami Fort 7	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Miami Fort 7	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Miami Fort 7	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Miami Fort 7	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Miami Fort 8												
Retire Year	2018											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09
SO2 Rate	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
SO2 Adder	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.36	\$ 2.36	\$ 2.36	\$ 2.36	\$ 2.36	\$ 2.36	\$ 2.36	\$ 2.36	\$ 2.36	\$ 2.36	\$ 2.36	\$ 2.36
Base Fuel	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09
SO2 Rate (Base)	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09	\$ 1.09
SO2 Rate (ozone)	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
SO2 Adder (ozone)	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24
NOx Rate (ozone)	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
NOx Adder (ozone)	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.13
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 2.49	\$ 2.49	\$ 2.49	\$ 2.49	\$ 2.49	\$ 2.49	\$ 2.49	\$ 2.49	\$ 2.49	\$ 2.49	\$ 2.49	\$ 2.49
Weighted Avg	\$ 2.42	\$ 2.42	\$ 2.42	\$ 2.42	\$ 2.42	\$ 2.42	\$ 2.42	\$ 2.42	\$ 2.42	\$ 2.42	\$ 2.42	\$ 2.42
Maps Generation (MWh)	1,959,214	1,959,214	1,959,214	1,959,214	1,959,214	1,959,214	1,959,214	1,959,214	1,959,214	1,959,214	1,959,214	1,959,214
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 8	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Miami Fort 8	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort 8	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort 8	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Miami Fort 8	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Miami Fort 8	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Miami Fort 8	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Miami Fort 8	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Stuart 1												
Retire Year	2021											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10
SO2 Rate	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
SO2 Adder	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46
Base Fuel	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10
SO2 Rate (Base)	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10
SO2 Rate (ozone)	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
SO2 Adder (ozone)	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
NOx Rate (ozone)	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
NOx Adder (ozone)	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70
Weighted Avg	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	1,440,152	1,440,152	1,440,152	1,440,152	1,440,152	1,440,152	1,440,152	1,440,152	1,440,152	1,440,152	1,440,152	1,440,152
Maps Spot Price w/adders (\$1997/MMBtu)	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56
Maps Req. Spot Purchases (MMBtu) -- Stuart 1	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Stuart 1	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Stuart 1	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Stuart 1	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Stuart 1	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Stuart 1	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Stuart 1	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Stuart 1	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders												

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Stuart 2												
Retire Year	2021											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10
SO2 Rate	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
SO2 Adder	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46
Base Fuel	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10
SO2 Rate (Base)	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10
SO2 Rate (ozone)	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
SO2 Adder (ozone)	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
NOx Rate (ozone)	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
NOx Adder (ozone)	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70
Weighted Avg	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56
Maps Generation (MWh)	1,501,271	1,501,271	1,501,271	1,501,271	1,501,271	1,501,271	1,501,271	1,501,271	1,501,271	1,501,271	1,501,271	1,501,271
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56
Maps Req. Spot Purchases (MMBtu) -- Stuart 2	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Stuart 2	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Stuart 2	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Stuart 2	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Stuart 2	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Stuart 2	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Stuart 2	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Stuart 2	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Stuart 3												
Retire Year	2021											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10
SO2 Rate	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80
SO2 Adder	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46
Base Fuel	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10
SO2 Rate (Base)	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10
SO2 Rate (ozone)	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80
SO2 Adder (ozone)	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
NOx Rate (ozone)	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
NOx Adder (ozone)	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25	\$ 0.25
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70	\$ 2.70
Weighted Avg	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56
Maps Generation (MWh)	1,307,139	1,307,139	1,307,139	1,307,139	1,307,139	1,307,139	1,307,139	1,307,139	1,307,139	1,307,139	1,307,139	1,307,139
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56
Maps Req. Spot Purchases (MMBtu) -- Stuart 3	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Stuart 3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Stuart 3	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Stuart 3	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Stuart 3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Stuart 3	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Stuart 3	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Stuart 3	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Stuart 4												
Retire Year	2021											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10
SO2 Rate	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
SO2 Adder	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46
Base Fuel	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10
SO2 Rate (Base)	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10	\$ 1.10
SO2 Rate (ozone)	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
SO2 Adder (ozone)	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31	\$ 0.31
NOx Rate (ozone)	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
NOx Adder (ozone)	\$ 0.21	\$ 0.21	\$ 0.21	\$ 0.21	\$ 0.21	\$ 0.21	\$ 0.21	\$ 0.21	\$ 0.21	\$ 0.21	\$ 0.21	\$ 0.21
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 2.67	\$ 2.67	\$ 2.67	\$ 2.67	\$ 2.67	\$ 2.67	\$ 2.67	\$ 2.67	\$ 2.67	\$ 2.67	\$ 2.67	\$ 2.67
Weighted Avg	\$ 2.55	\$ 2.55	\$ 2.55	\$ 2.55	\$ 2.55	\$ 2.55	\$ 2.55	\$ 2.55	\$ 2.55	\$ 2.55	\$ 2.55	\$ 2.55
Maps Generation (MWh)												
Maps Required Fuel w/adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55
Maps Req. Spot Purchases (MMBtu) -- Stuart 4	-	-	-	-	-	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Maps Fuel Cost w/o adders (1997 \$000s)	-	-	-	-	-	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	-	-	-	-	-	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Stuart 4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Stuart 4	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Stuart 4	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Stuart 4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Stuart 4	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Stuart 4	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Stuart 4	-	-	-	-	-	-	-	-	-	-	-	-
Recalculation of cost w/ adders												
	-	-	-	-	-	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Woodsdale GT1												
Retire Year	2028											
Unit Type	Gas											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate												
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total less NOx	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (Base)												
CO2 Rate (Base)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
Base Fuel (ozone)	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (ozone)												
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NOx Adder (ozone)	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18
CO2 Rate (ozone)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder (ozone)	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total with NOx	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38
Weighted Avg	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28
Maps Generation (MWh)	15,147	15,147	15,147	15,147	15,147	15,147	15,147	15,147	15,147	15,147	15,147	15,147
Maps Required Fuel w/adders (1997 \$000s)	561	561	561	561	561	281	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT1	171,193	171,193	171,193	171,193	171,193	85,596	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	449	449	449	449	449	224	-	-	-	-	-	-
Spot Purchases												
MMBtu	171,193	171,193	171,193	171,193	171,193	85,596	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	449	449	449	449	449	224	-	-	-	-	-	-
Total Fuel Cost-- Woodsdale GT1	449	449	449	449	449	224	-	-	-	-	-	-
SO2 Emissions (Tons) -- Woodsdale GT1	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT1	4	4	4	4	4	2	-	-	-	-	-	-
CO2 Emissions (Tons) -- Woodsdale GT1	10,015	10,015	10,015	10,015	10,015	5,007	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Woodsdale GT1	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Woodsdale GT1	12	12	12	12	12	6	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Woodsdale GT1	100	100	100	100	100	50	-	-	-	-	-	-
Recalculation of cost w/ adders	561	561	561	561	561	281	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Woodsdale GT2												
Retire Year	2027											
Unit Type	Gas											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total less NOx	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
Base Fuel (ozone)	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NOx Adder (ozone)	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18
CO2 Rate (ozone)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder (ozone)	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total with NOx	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38
Weighted Avg	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28
Maps Generation (MWh)	14,712	14,712	14,712	14,712	14,712	14,712	14,712	14,712	14,712	14,712	14,712	14,712
Maps Required Fuel w/adders (1997 \$000s)	545	545	545	545	273	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT2	166,318	166,318	166,318	166,318	83,159	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	436	436	436	436	218	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	166,318	166,318	166,318	166,318	83,159	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	436	436	436	436	218	-	-	-	-	-	-	-
Total Fuel Cost-- Woodsdale GT2	436	436	436	436	218	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Woodsdale GT2	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT2	3	3	3	3	2	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Woodsdale GT2	9,730	9,730	9,730	9,730	4,865	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Woodsdale GT2	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Woodsdale GT2	12	12	12	12	6	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Woodsdale GT2	97	97	97	97	49	-	-	-	-	-	-	-
Recalculation of cost w/ adders	545	545	545	545	273	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Woodsdale GT3												
Retire Year	2027											
Unit Type	Gas											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total less NOx	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
Base Fuel (ozone)	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NOx Adder (ozone)	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18
CO2 Rate (ozone)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder (ozone)	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total with NOx	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38
Weighted Avg	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28
Maps Generation (MWh)	17,335	17,335	17,335	17,335	17,335	17,335	17,335	17,335	17,335	17,335	17,335	17,335
Maps Required Fuel w/adders (1997 \$000s)	643	643	643	643	322	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT3	196,133	196,133	196,133	196,133	98,067	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	514	514	514	514	257	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	196,133	196,133	196,133	196,133	98,067	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	514	514	514	514	257	-	-	-	-	-	-	-
Total Fuel Cost-- Woodsdale GT3	514	514	514	514	257	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Woodsdale GT3	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT3	4	4	4	4	2	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Woodsdale GT3	11,474	11,474	11,474	11,474	5,737	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Woodsdale GT3	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Woodsdale GT3	14	14	14	14	7	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Woodsdale GT3	115	115	115	115	57	-	-	-	-	-	-	-
Recalculation of cost w/ adders	643	643	643	643	322	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Woodsdale GT4												
Retire Year	2027											
Unit Type	Gas											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total less NOx	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
Base Fuel (ozone)	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NOx Adder (ozone)	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18
CO2 Rate (ozone)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder (ozone)	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total with NOx	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38
Weighted Avg	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28
Maps Generation (MWh)	17,501	17,501	17,501	17,501	17,501	17,501	17,501	17,501	17,501	17,501	17,501	17,501
Maps Required Fuel w/adders (1997 \$000s)	650	650	650	650	325	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT4	198,080	198,080	198,080	198,080	99,040	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	519	519	519	519	260	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	198,080	198,080	198,080	198,080	99,040	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	519	519	519	519	260	-	-	-	-	-	-	-
Total Fuel Cost-- Woodsdale GT4	519	519	519	519	280	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Woodsdale GT4	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT4	4	4	4	4	2	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Woodsdale GT4	11,588	11,588	11,588	11,588	5,794	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Woodsdale GT4	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Woodsdale GT4	14	14	14	14	7	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Woodsdale GT4	116	116	116	116	58	-	-	-	-	-	-	-
Recalculation of cost w/ adders	650	650	650	650	325	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Woodsdale GT5												
Retire Year	2027											
Unit Type	Gas											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder	\$ 0.69	\$ 0.69	\$ 0.59	\$ 0.59	\$ 0.69	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total less NOx	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
Base Fuel (ozone)	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NOx Adder (ozone)	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18
CO2 Rate (ozone)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder (ozone)	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total with NOx	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38
Weighted Avg	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28
Maps Generation (MWh)	17,280	17,280	17,280	17,280	17,280	17,280	17,280	17,280	17,280	17,280	17,280	17,280
Maps Required Fuel w/adders (1997 \$000s)	641	641	641	641	321	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT5	195,577	195,577	195,577	195,577	97,788	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	513	513	513	513	256	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	195,577	195,577	195,577	195,577	97,788	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	513	513	513	513	256	-	-	-	-	-	-	-
Total Fuel Cost-- Woodsdale GT5	513	513	513	513	256	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Woodsdale GT5	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT5	4	4	4	4	2	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Woodsdale GT5	11,441	11,441	11,441	11,441	5,721	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Woodsdale GT5	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Woodsdale GT5	14	14	14	14	7	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Woodsdale GT5	114	114	114	114	57	-	-	-	-	-	-	-
Recalculation of cost w/ adders	641	641	641	641	321	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-6

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Woodsdale GT6												
Retire Year	2027											
Unit Type	Gas											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO2 Rate	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total less NOx	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21	\$ 3.21
Base Fuel	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (Base)	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Rate (Base)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
Base Fuel (ozone)	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62	\$ 2.62
SO2 Rate (ozone)	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Adder (ozone)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NOx Rate (ozone)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NOx Adder (ozone)	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18	\$ 0.18
CO2 Rate (ozone)	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
CO2 Adder (ozone)	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Total with NOx	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38	\$ 3.38
Weighted Avg	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28	\$ 3.28
Maps Generation (MWh)	17,493	17,493	17,493	17,493	17,493	17,493	17,493	17,493	17,493	17,493	17,493	17,493
Maps Required Fuel w/adders (1997 \$000s)	649	649	649	649	325	-	-	-	-	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT6	197,911	197,911	197,911	197,911	98,956	-	-	-	-	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	519	519	519	519	259	-	-	-	-	-	-	-
Spot Purchases												
MMBtu	197,911	197,911	197,911	197,911	98,956	-	-	-	-	-	-	-
Cost of Spot Purchases (1997 \$000)	519	519	519	519	259	-	-	-	-	-	-	-
Total Fuel Cost-- Woodsdale GT6	519	519	519	519	259	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Woodsdale GT6	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT6	4	4	4	4	2	-	-	-	-	-	-	-
CO2 Emissions (Tons) -- Woodsdale GT6	11,578	11,578	11,578	11,578	5,789	-	-	-	-	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Woodsdale GT6	-	-	-	-	-	-	-	-	-	-	-	-
NOx Allowances Consumed (1997 \$000) -- Woodsdale GT6	14	14	14	14	7	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Woodsdale GT6	116	116	116	116	58	-	-	-	-	-	-	-
Recalculation of cost w/ adders	649	649	649	649	325	-	-	-	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Zimmer 1												
Retire Year	2031											
Unit Type	Coal											
NOx Scenario Start Year	2003											
Maps												
Base Fuel	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74
SO2 Rate	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
SO2 Adder	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11
CO2 Rate	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total less NOx	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89
Base Fuel	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74
SO2 Rate (Base)	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
CO2 Rate (Base)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Base Fuel (ozone)	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74	\$ 0.74
SO2 Rate (ozone)	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
SO2 Adder (ozone)	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11	\$ 0.11
NOx Rate (ozone)	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
NOx Adder (ozone)	\$ 0.12	\$ 0.12	\$ 0.12	\$ 0.12	\$ 0.12	\$ 0.12	\$ 0.12	\$ 0.12	\$ 0.12	\$ 0.12	\$ 0.12	\$ 0.12
CO2 Rate (ozone)	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
CO2 Adder (ozone)	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04	\$ 1.04
Total with NOx	\$ 2.01	\$ 2.01	\$ 2.01	\$ 2.01	\$ 2.01	\$ 2.01	\$ 2.01	\$ 2.01	\$ 2.01	\$ 2.01	\$ 2.01	\$ 2.01
Weighted Avg	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94	\$ 1.94
Maps Generation (MWh)	4,404,556	4,404,556	4,404,556	4,404,556	4,404,556	4,404,556	4,404,556	4,404,556	4,404,556	4,404,556	4,404,556	4,404,556
Maps Required Fuel w/adders (1997 \$000s)	84,183	84,183	84,183	84,183	84,183	84,183	84,183	84,183	42,091	-	-	-
Maps Spot Price w/adders (\$1997/MMBtu)	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
Maps Req. Spot Purchases (MMBtu) -- Zimmer 1	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	21,719,211	-	-	-
Spot Market Price w/o adders (\$1997/MMBtu)	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74
Maps Fuel Cost w/o adders (1997 \$000s)	32,202	32,202	32,202	32,202	32,202	32,202	32,202	32,202	16,101	-	-	-
Spot Purchases												
MMBtu	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	21,719,211	-	-	-
Cost of Spot Purchases (1997 \$000)	32,202	32,202	32,202	32,202	32,202	32,202	32,202	32,202	16,101	-	-	-
Total Fuel Cost-- Zimmer 1	32,202	32,202	32,202	32,202	32,202	32,202	32,202	32,202	16,101	-	-	-
SO2 Emissions (Tons) -- Zimmer 1	11,728	11,728	11,728	11,728	11,728	11,728	11,728	11,728	5,864	-	-	-
Seasonal NOx Emissions (Tons) -- Zimmer 1	633	633	633	633	633	633	633	633	317	-	-	-
CO2 Emissions (Tons) -- Zimmer 1	4,515,424	4,515,424	4,515,424	4,515,424	4,515,424	4,515,424	4,515,424	4,515,424	2,257,712	-	-	-
SO2 Allowances Consumed (1997 \$000) -- Zimmer 1	4,609	4,609	4,609	4,609	4,609	4,609	4,609	4,609	2,305	-	-	-
NOx Allowances Consumed (1997 \$000) -- Zimmer 1	2,217	2,217	2,217	2,217	2,217	2,217	2,217	2,217	1,109	-	-	-
CO2 Taxes (1997 \$000) -- Zimmer 1	45,154	45,154	45,154	45,154	45,154	45,154	45,154	45,154	22,577	-	-	-
Recalculation of cost w/ adders	84,183	84,183	84,183	84,183	84,183	84,183	84,183	84,183	42,091	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Maps Req. Spot Purchases (MMBtu)												
Maps Req. Spot Purchases (MMBtu) -- Beckjord 1	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Beckjord 2	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Beckjord 3	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Beckjord 4	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Beckjord 5	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Beckjord 6	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Conesville 4	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- East Bend 2	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Killen Station 2	13,807,518	13,807,518	6,903,769	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 5	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 6	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 7	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 8	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Stuart 1	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Stuart 2	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Stuart 3	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Stuart 4	-	-	-	-	-	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT1	171,193	171,193	171,193	171,193	171,193	85,596	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT2	166,318	166,318	166,318	166,318	83,159	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT3	196,133	196,133	196,133	196,133	98,067	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT4	198,080	198,080	198,080	198,080	99,040	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT5	195,577	195,577	195,577	195,577	97,788	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT6	197,911	197,911	197,911	197,911	98,956	-	-	-	-	-	-	-
Maps Req. Spot Purchases (MMBtu) -- Zimmer 1	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	43,438,422	21,719,211	-	-	-
Total	58,371,152	58,371,152	51,467,393	44,563,634	44,085,624	43,524,018	43,438,422	43,438,422	21,719,211	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
SO2 Emissions (Tons)												
SO2 Emissions (Tons) -- Beckjord 1	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord 2	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord 3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord 4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord 5	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord 6	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Conesville 4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- East Bend 2	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Killen Station 2	8,285	8,285	4,142	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort 5	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort 6	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort 7	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Miami Fort 8	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Stuart 1	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Stuart 2	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Stuart 3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Stuart 4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Woodsdale GT1	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Woodsdale GT2	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Woodsdale GT3	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Woodsdale GT4	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Woodsdale GT5	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Woodsdale GT6	-	-	-	-	-	-	-	-	-	-	-	-
SO2 Emissions (Tons) -- Zimmer 1	11,728	11,728	11,728	11,728	11,728	11,728	11,728	11,728	5,864	-	-	-
Total	20,013	20,013	15,871	11,728	11,728	11,728	11,728	11,728	5,864	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Seasonal NOx Emissions (Tons)												
Seasonal NOx Emissions (Tons) -- Beckford 1	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckford 2	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckford 3	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckford 4	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckford 5	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckford 6	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckford GT1	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckford GT2	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckford GT3	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Beckford GT4	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Conesville 4	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- East Bend 2	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Killen Station 2	259	259	129	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort 5	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort 6	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort 7	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Miami Fort 8	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Stuart 1	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Stuart 2	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Stuart 3	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Stuart 4	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT1	4	4	4	4	4	2	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT2	3	3	3	3	2	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT3	4	4	4	4	2	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT4	4	4	4	4	2	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT5	4	4	4	4	2	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT6	4	4	4	4	2	-	-	-	-	-	-	-
Seasonal NOx Emissions (Tons) -- Zimmer 1	633	633	633	633	633	633	633	633	317	-	-	-
Total	916	916	786	657	647	635	633	633	317	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
CO2 Taxes (1997 \$000)												
CO2 Taxes (1997 \$000) -- Beckjord 1	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckjord 2	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckjord 3	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckjord 4	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckjord 5	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckjord 6	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Conesville 4	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Dicks Creek 6	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- East Bend 2	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Killen Station 2	14,353	14,353	7,176	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Miami Fort 5	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Miami Fort 6	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Miami Fort 7	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Miami Fort 8	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Stuart 1	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Stuart 2	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Stuart 3	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Stuart 4	-	-	-	-	-	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Woodsdale GT1	100	100	100	100	100	50	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Woodsdale GT2	97	97	97	97	49	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Woodsdale GT3	116	116	116	116	57	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Woodsdale GT4	116	116	116	116	58	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Woodsdale GT5	114	114	114	114	57	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Woodsdale GT6	116	116	116	116	58	-	-	-	-	-	-	-
CO2 Taxes (1997 \$000) -- Zimmer 1	45,154	45,154	45,154	45,154	45,154	45,154	45,154	45,154	22,577	-	-	-
Total	60,165	60,165	62,989	45,612	45,633	45,204	45,154	45,154	22,577	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Total Fuel Cost	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord 1	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord 2	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord 3	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord 4	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord 5	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord 6	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Conesville 4	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- East Bend 2	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Killen Station 2	14,780	14,780	7,390	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Miami Fort 5	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Miami Fort 6	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Miami Fort 7	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Miami Fort 8	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Stuart 1	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Stuart 2	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Stuart 3	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Stuart 4	-	-	-	-	-	-	-	-	-	-	-	-
Total Fuel Cost-- Woodsdale GT1	449	449	449	449	449	224	-	-	-	-	-	-
Total Fuel Cost-- Woodsdale GT2	436	436	436	436	218	-	-	-	-	-	-	-
Total Fuel Cost-- Woodsdale GT3	514	514	514	514	257	-	-	-	-	-	-	-
Total Fuel Cost-- Woodsdale GT4	519	519	519	519	260	-	-	-	-	-	-	-
Total Fuel Cost-- Woodsdale GT5	513	513	513	513	256	-	-	-	-	-	-	-
Total Fuel Cost-- Woodsdale GT6	519	519	519	519	259	-	-	-	-	-	-	-
Total Fuel Cost-- Zimmer 1	32,202	32,202	32,202	32,202	32,202	32,202	32,202	32,202	16,101	-	-	-
Total	49,932	49,932	42,542	36,152	33,901	32,426	32,202	32,202	16,101	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

\$/Ton	\$	393
\$/lb	\$	0.20
\$/Ton	\$	3,500
\$/lb	\$	1.75
\$/Ton	\$	10
\$/lb	\$	0.01

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Beckjord 1

Retire Year 2009
Unit Type Coal
NOx Scenario Start Year 2003

Maps

Base Fuel	\$	1.18
SO2 Rate		1.58
SO2 Adder	\$	0.31
CO2 Rate		207.90
CO2 Adder	\$	1.04
Total less NOx	\$	2.53
Base Fuel	\$	1.18
SO2 Rate (Base)		1.58
CO2 Rate (Base)		207.90
Base Fuel (ozone)	\$	1.18
SO2 Rate (ozone)		1.58
SO2 Adder (ozone)	\$	0.31
NOx Rate (ozone)		0.29
NOx Adder (ozone)	\$	0.51
CO2 Rate (ozone)		207.90
CO2 Adder (ozone)	\$	1.04
Total with NOx	\$	3.04
Weighted Avg	\$	2.74

Maps Generation (MWh)	108,509
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.74
Maps Req. Spot Purchases (MMBtu) -- Beckjord 1	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.18
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	-
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Beckjord 1	-
SO2 Emissions (Tons) -- Beckjord 1	-
Seasonal NOx Emissions (Tons) -- Beckjord 1	-
CO2 Emissions (Tons) -- Beckjord 1	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord 1	-
NOx Allowances Consumed (1997 \$000) -- Beckjord 1	-
CO2 Taxes (1997 \$000) -- Beckjord 1	-
Recalculation of cost w/ adders	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Beckjord 2

Retire Year 2009
Unit Type Coal
NOx Scenario Start Year 2003

Maps

Base Fuel	\$	1.18
SO2 Rate		1.58
SO2 Adder	\$	0.31
CO2 Rate		207.90
CO2 Adder	\$	1.04
Total less NOx	\$	2.53
Base Fuel	\$	1.18
SO2 Rate (Base)		1.58
CO2 Rate (Base)		207.90
Base Fuel (ozone)	\$	1.18
SO2 Rate (ozone)		1.58
SO2 Adder (ozone)	\$	0.31
NOx Rate (ozone)		0.28
NOx Adder (ozone)	\$	0.50
CO2 Rate (ozone)		207.90
CO2 Adder (ozone)	\$	1.04
Total with NOx	\$	3.02
Weighted Avg	\$	2.73

Maps Generation (MWh)	101,851
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.73
Maps Req. Spot Purchases (MMBtu) -- Beckjord 2	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.18
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	-
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Beckjord 2	-
SO2 Emissions (Tons) -- Beckjord 2	-
Seasonal NOx Emissions (Tons) -- Beckjord 2	-
CO2 Emissions (Tons) -- Beckjord 2	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord 2	-
NOx Allowances Consumed (1997 \$000) -- Beckjord 2	-
CO2 Taxes (1997 \$000) -- Beckjord 2	-
Recalculation of cost w/ adders	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Beckjord 3

Retire Year	2009
Unit Type	Coal
NOx Scenario Start Year	2003

Maps

Base Fuel	\$	1.18
SO2 Rate		1.58
SO2 Adder	\$	0.31
CO2 Rate		207.90
CO2 Adder	\$	1.04
Total less NOx	\$	2.53
Base Fuel	\$	1.18
SO2 Rate (Base)		1.58
CO2 Rate (Base)		207.90
Base Fuel (ozone)	\$	1.18
SO2 Rate (ozone)		1.58
SO2 Adder (ozone)	\$	0.31
NOx Rate (ozone)		0.55
NOx Adder (ozone)	\$	0.96
CO2 Rate (ozone)		207.90
CO2 Adder (ozone)	\$	1.04
Total with NOx	\$	3.48
Weighted Avg	\$	2.92

Maps Generation (MWh)	220,640
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.92
Maps Req. Spot Purchases (MMBtu) -- Beckjord 3	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.18
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	-
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Beckjord 3	-
SO2 Emissions (Tons) -- Beckjord 3	-
Seasonal NOx Emissions (Tons) -- Beckjord 3	-
CO2 Emissions (Tons) -- Beckjord 3	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord 3	-
NOx Allowances Consumed (1997 \$000) -- Beckjord 3	-
CO2 Taxes (1997 \$000) -- Beckjord 3	-
Recalculation of cost w/ adders	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Beckjord 4

Retire Year	2013
Unit Type	Coal
NOx Scenario Start Year	2003

Maps

Base Fuel	\$	1.18
SO2 Rate		1.58
SO2 Adder	\$	0.31
CO2 Rate		207.90
CO2 Adder	\$	1.04
Total less NOx	\$	2.53
Base Fuel	\$	1.18
SO2 Rate (Base)		1.58
CO2 Rate (Base)		207.90
Base Fuel (ozone)	\$	1.18
SO2 Rate (ozone)		1.58
SO2 Adder (ozone)	\$	0.31
NOx Rate (ozone)		0.33
NOx Adder (ozone)	\$	0.58
CO2 Rate (ozone)		207.90
CO2 Adder (ozone)	\$	1.04
Total with NOx	\$	3.11
Weighted Avg	\$	2.77

Maps Generation (MWh)	537.057
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.77
Maps Req. Spot Purchases (MMBtu) -- Beckjord 4	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.18
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	-
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Beckjord 4	-
SO2 Emissions (Tons) -- Beckjord 4	-
Seasonal NOx Emissions (Tons) -- Beckjord 4	-
CO2 Emissions (Tons) -- Beckjord 4	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord 4	-
NOx Allowances Consumed (1997 \$000) -- Beckjord 4	-
CO2 Taxes (1997 \$000) -- Beckjord 4	-

Recalculation of cost w/ adders

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Beckjord 5

Retire Year	2009
Unit Type	Coal
NOx Scenario Start Year	2003

Maps

Base Fuel	\$	1.18
SO2 Rate		1.58
SO2 Adder	\$	0.31
CO2 Rate		207.90
CO2 Adder	\$	1.04
Total less NOx	\$	2.53
Base Fuel	\$	1.18
SO2 Rate (Base)		1.58
CO2 Rate (Base)		207.90
Base Fuel (ozone)	\$	1.18
SO2 Rate (ozone)		1.58
SO2 Adder (ozone)	\$	0.31
NOx Rate (ozone)		0.40
NOx Adder (ozone)	\$	0.69
CO2 Rate (ozone)		207.90
CO2 Adder (ozone)	\$	1.04
Total with NOx	\$	3.22
Weighted Avg	\$	2.82

Maps Generation (MWh)	756,014
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.82
Maps Req. Spot Purchases (MMBtu) -- Beckjord 5	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.18
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Beckjord 5	-
SO2 Emissions (Tons) -- Beckjord 5	-
Seasonal NOx Emissions (Tons) -- Beckjord 5	-
CO2 Emissions (Tons) -- Beckjord 5	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord 5	-
NOx Allowances Consumed (1997 \$000) -- Beckjord 5	-
CO2 Taxes (1997 \$000) -- Beckjord 5	-
Recalculation of cost w/ adders	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Beckjord 6

Retire Year	2009
Unit Type	Coal
NOx Scenario Start Year	2003

Maps

Base Fuel	\$	1.18
SO2 Rate		1.58
SO2 Adder	\$	0.31
CO2 Rate		207.90
CO2 Adder	\$	1.04
Total less NOx	\$	2.53
Base Fuel	\$	1.18
SO2 Rate (Base)		1.58
CO2 Rate (Base)		207.90
Base Fuel (ozone)	\$	1.18
SO2 Rate (ozone)		1.58
SO2 Adder (ozone)	\$	0.31
NOx Rate (ozone)		0.38
NOx Adder (ozone)	\$	0.66
CO2 Rate (ozone)		207.90
CO2 Adder (ozone)	\$	1.04
Total with NOx	\$	3.19
Weighted Avg	\$	2.80

Maps Generation (MWh)	300,630
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.80
Maps Req. Spot Purchases (MMBtu) -- Beckjord 6	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.18
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Beckjord 6	-
SO2 Emissions (Tons) -- Beckjord 6	-
Seasonal NOx Emissions (Tons) -- Beckjord 6	-
CO2 Emissions (Tons) -- Beckjord 6	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord 6	-
NOx Allowances Consumed (1997 \$000) -- Beckjord 6	-
CO2 Taxes (1997 \$000) -- Beckjord 6	-
Recalculation of cost w/ adders	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Beckjord GT1

Retire Year 2009
Unit Type Distillate Oil
NOx Scenario Start Year 2003

Maps

Base Fuel	\$	4.46
SO2 Rate		-
SO2 Adder	\$	-
CO2 Rate		161.30
CO2 Adder	\$	0.81
Total less NOx	\$	5.27
Base Fuel	\$	4.46
SO2 Rate (Base)		-
CO2 Rate (Base)		161.30
Base Fuel (ozone)	\$	4.46
SO2 Rate (ozone)		-
SO2 Adder (ozone)	\$	-
NOx Rate (ozone)		0.20
NOx Adder (ozone)	\$	0.35
CO2 Rate (ozone)		161.30
CO2 Adder (ozone)	\$	0.81
Total with NOx	\$	5.62
Weighted Avg	\$	5.41

Maps Generation (MWh)	7,736
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	5.41
Maps Req. Spot Purchases (MMBtu) -- Beckjord GT1	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	-
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Beckjord GT1	-
SO2 Emissions (Tons) -- Beckjord GT1	-
Seasonal NOx Emissions (Tons) -- Beckjord GT1	-
CO2 Emissions (Tons) -- Beckjord GT1	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord GT1	-
NOx Allowances Consumed (1997 \$000) -- Beckjord GT1	-
CO2 Taxes (1997 \$000) -- Beckjord GT1	-
Recalculation of cost w/ adders	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Beckjord GT2

Retire Year 2009
Unit Type Distillate Oil
NOx Scenario Start Year 2003

Maps

Base Fuel	\$	4.46
SO2 Rate		-
SO2 Adder	\$	-
CO2 Rate		161.30
CO2 Adder	\$	0.81
Total less NOx	\$	5.27
Base Fuel	\$	4.46
SO2 Rate (Base)		-
CO2 Rate (Base)		161.30
Base Fuel (ozone)	\$	4.46
SO2 Rate (ozone)		-
SO2 Adder (ozone)	\$	-
NOx Rate (ozone)		0.20
NOx Adder (ozone)	\$	0.35
CO2 Rate (ozone)		161.30
CO2 Adder (ozone)	\$	0.81
Total with NOx	\$	5.62
Weighted Avg	\$	5.41

Maps Generation (MWh)	7,668
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	5.41
Maps Req. Spot Purchases (MMBtu) -- Beckjord GT2	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	-
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Beckjord GT2	-
SO2 Emissions (Tons) -- Beckjord GT2	-
Seasonal NOx Emissions (Tons) -- Beckjord GT2	-
CO2 Emissions (Tons) -- Beckjord GT2	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord GT2	-
NOx Allowances Consumed (1997 \$000) -- Beckjord GT2	-
CO2 Taxes (1997 \$000) -- Beckjord GT2	-
Recalculation of cost w/ adders	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Beckjord GT3

Retire Year 2009
Unit Type Distillate Oil
NOx Scenario Start Year 2003

Maps

Base Fuel	\$	4.46
SO2 Rate	-	-
SO2 Adder	\$	-
CO2 Rate		161.30
CO2 Adder	\$	0.81
Total less NOx	\$	5.27
Base Fuel	\$	4.46
SO2 Rate (Base)	-	-
CO2 Rate (Base)		161.30
Base Fuel (ozone)	\$	4.46
SO2 Rate (ozone)	-	-
SO2 Adder (ozone)	\$	-
NOx Rate (ozone)		0.20
NOx Adder (ozone)	\$	0.35
CO2 Rate (ozone)		161.30
CO2 Adder (ozone)	\$	0.81
Total with NOx	\$	5.82
Weighted Avg	\$	5.41

Maps Generation (MWh)	5,406
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	5.41
Maps Req. Spot Purchases (MMBtu) -- Beckjord GT3	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	-
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Beckjord GT3	-
SO2 Emissions (Tons) -- Beckjord GT3	-
Seasonal NOx Emissions (Tons) -- Beckjord GT3	-
CO2 Emissions (Tons) -- Beckjord GT3	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord GT3	-
NOx Allowances Consumed (1997 \$000) -- Beckjord GT3	-
CO2 Taxes (1997 \$000) -- Beckjord GT3	-
Recalculation of cost w/ adders	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Beckjord GT4

Retire Year 2009
Unit Type Distillate Oil
NOx Scenario Start Year 2003

Maps

Base Fuel	\$	4.46
SO2 Rate	-	-
SO2 Adder	\$	-
CO2 Rate		161.30
CO2 Adder	\$	0.81
Total less NOx	\$	5.27
Base Fuel	\$	4.46
SO2 Rate (Base)	-	-
CO2 Rate (Base)		161.30
Base Fuel (ozone)	\$	4.46
SO2 Rate (ozone)	-	-
SO2 Adder (ozone)	\$	-
NOx Rate (ozone)		0.20
NOx Adder (ozone)	\$	0.35
CO2 Rate (ozone)		161.30
CO2 Adder (ozone)	\$	0.81
Total with NOx	\$	5.62
Weighted Avg	\$	5.41

Maps Generation (MWh)	7.225
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	5.41
Maps Req. Spot Purchases (MMBtu) -- Beckjord GT4	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	-
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Beckjord GT4	-
SO2 Emissions (Tons) -- Beckjord GT4	-
Seasonal NOx Emissions (Tons) -- Beckjord GT4	-
CO2 Emissions (Tons) -- Beckjord GT4	-
SO2 Allowances Consumed (1997 \$000) -- Beckjord GT4	-
NOx Allowances Consumed (1997 \$000) -- Beckjord GT4	-
CO2 Taxes (1997 \$000) -- Beckjord GT4	-

Recalculation of cost w/ adders -

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Conesville 4

Retire Year	2020
Unit Type	Coal
NOx Scenario Start Year	2003

Maps

Base Fuel	\$	0.73
SO2 Rate		4.50
SO2 Adder	\$	0.88
CO2 Rate		207.90
CO2 Adder	\$	1.04
Total less NOx	\$	2.65
Base Fuel	\$	0.73
SO2 Rate (Base)		4.50
CO2 Rate (Base)		207.90
Base Fuel (ozone)	\$	0.73
SO2 Rate (ozone)		4.50
SO2 Adder (ozone)	\$	0.88
NOx Rate (ozone)		0.07
NOx Adder (ozone)	\$	0.13
CO2 Rate (ozone)		207.90
CO2 Adder (ozone)	\$	1.04
Total with NOx	\$	2.78
Weighted Avg	\$	2.71

Maps Generation (MWh)	1,257,016
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.71
Maps Req. Spot Purchases (MMBtu) -- Conesville 4	-
Spot Market Price w/o adders (\$1997/MMBtu)	0.73
Maps Fuel Cost w/o adders (1997 \$000s)	-
Coal Washing	
Total Coal Washer Cost (1997 \$000s)	-
Spot Purchases	
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Conesville 4	-
SO2 Emissions (Tons) -- Conesville 4	-
Seasonal NOx Emissions (Tons) -- Conesville 4	-
CO2 Emissions (Tons) -- Conesville 4	-
SO2 Allowances Consumed (1997 \$000) -- Conesville 4	-
NOx Allowances Consumed (1997 \$000) -- Conesville 4	-
CO2 Taxes (1997 \$000) -- Conesville 4	-
Recalculation of cost w/ adders	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Dicks Creek 1

Retire Year	2009
Unit Type	Gas
NOx Scenario Start Year	2003

Maps

Base Fuel	\$	2.62
SO2 Rate		-
SO2 Adder	\$	-
CO2 Rate		117.00
CO2 Adder	\$	0.59
Total less NOx	\$	3.21
Base Fuel	\$	2.62
SO2 Rate (Base)		-
CO2 Rate (Base)		117.00
Base Fuel (ozone)	\$	2.62
SO2 Rate (ozone)		-
SO2 Adder (ozone)	\$	-
NOx Rate (ozone)		0.10
NOx Adder (ozone)	\$	0.18
CO2 Rate (ozone)		117.00
CO2 Adder (ozone)	\$	0.59
Total with NOx	\$	3.38
Weighted Avg	\$	3.28

Maps Generation (MWh)	17,848
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	3.28
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 1	-
Spot Market Price w/o adders (\$1997/MMBtu)	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Dicks Creek 1	-
SO2 Emissions (Tons) -- Dicks Creek 1	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 1	-
CO2 Emissions (Tons) -- Dicks Creek 1	-
SO2 Allowances Consumed (1997 \$000) -- Dicks Creek 1	-
NOx Allowances Consumed (1997 \$000) -- Dicks Creek 1	-
CO2 Taxes (1997 \$000) -- Dicks Creek 1	-

Recalculation of cost w/ adders

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Dicks Creek 3

Retire Year	2009
Unit Type	Gas
NOx Scenario Start Year	2003

Maps

Base Fuel	\$	2.62
SO2 Rate		-
SO2 Adder	\$	-
CO2 Rate		117.00
CO2 Adder	\$	0.59
Total less NOx	\$	3.21
Base Fuel	\$	2.62
SO2 Rate (Base)		-
CO2 Rate (Base)		117.00
Base Fuel (ozone)	\$	2.62
SO2 Rate (ozone)		-
SO2 Adder (ozone)	\$	-
NOx Rate (ozone)		0.10
NOx Adder (ozone)	\$	0.18
CO2 Rate (ozone)		117.00
CO2 Adder (ozone)	\$	0.59
Total with NOx	\$	3.38
Weighted Avg	\$	3.28

Maps Generation (MWh)	2,756
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	3.28
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 3	-
Spot Market Price w/o adders (\$1997/MMBtu)	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Dicks Creek 3	-
SO2 Emissions (Tons) -- Dicks Creek 3	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 3	-
CO2 Emissions (Tons) -- Dicks Creek 3	-
SO2 Allowances Consumed (1997 \$000) -- Dicks Creek 3	-
NOx Allowances Consumed (1997 \$000) -- Dicks Creek 3	-
CO2 Taxes (1997 \$000) -- Dicks Creek 3	-
Recalculation of cost w/ adders	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Dicks Creek 4

Retire Year 2009
Unit Type Distillate Oil
NOx Scenario Start Year 2003

Maps

Base Fuel	\$	4.46
SO2 Rate	-	-
SO2 Adder	\$	-
CO2 Rate		161.30
CO2 Adder	\$	0.81
Total less NOx	\$	5.27
Base Fuel	\$	4.46
SO2 Rate (Base)	-	-
CO2 Rate (Base)		161.30
Base Fuel (ozone)	\$	4.46
SO2 Rate (ozone)	-	-
SO2 Adder (ozone)	\$	-
NOx Rate (ozone)		0.20
NOx Adder (ozone)	\$	0.35
CO2 Rate (ozone)		161.30
CO2 Adder (ozone)	\$	0.81
Total with NOx	\$	5.62
Weighted Avg	\$	5.41

Maps Generation (MWh)	1,600
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	5.41
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 4	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	-
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Dicks Creek 4	-
SO2 Emissions (Tons) -- Dicks Creek 4	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 4	-
CO2 Emissions (Tons) -- Dicks Creek 4	-
SO2 Allowances Consumed (1997 \$000) -- Dicks Creek 4	-
NOx Allowances Consumed (1997 \$000) -- Dicks Creek 4	-
CO2 Taxes (1997 \$000) -- Dicks Creek 4	-
Recalculation of cost w/ adders	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Dicks Creek 5

Retire Year 2009
Unit Type Distillate Oil
NOx Scenario Start Year 2003

Maps

Base Fuel	\$	4.46
SO2 Rate		-
SO2 Adder	\$	-
CO2 Rate		161.30
CO2 Adder	\$	0.81
Total less NOx	\$	5.27
Base Fuel	\$	4.46
SO2 Rate (Base)		-
CO2 Rate (Base)		161.30
Base Fuel (ozone)	\$	4.46
SO2 Rate (ozone)		-
SO2 Adder (ozone)	\$	-
NOx Rate (ozone)		0.20
NOx Adder (ozone)	\$	0.35
CO2 Rate (ozone)		161.30
CO2 Adder (ozone)	\$	0.81
Total with NOx	\$	5.62
Weighted Avg	\$	5.41

Maps Generation (MWh)	1,469
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	5.41
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 5	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	-
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Dicks Creek 5	-
SO2 Emissions (Tons) -- Dicks Creek 5	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 5	-
CO2 Emissions (Tons) -- Dicks Creek 5	-
SO2 Allowances Consumed (1997 \$000) -- Dicks Creek 5	-
NOx Allowances Consumed (1997 \$000) -- Dicks Creek 5	-
CO2 Taxes (1997 \$000) -- Dicks Creek 5	-

Recalculation of cost w/ adders

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

East Bend 2

Retire Year 2021
Unit Type Coal
NOx Scenario Start Year 2003

Maps

Base Fuel	\$	0.78
SO2 Rate		0.50
SO2 Adder	\$	0.10
CO2 Rate		207.90
CO2 Adder	\$	1.04
Total less NOx	\$	1.89
Base Fuel	\$	0.78
SO2 Rate (Base)		0.50
CO2 Rate (Base)		207.90
Base Fuel (ozone)	\$	0.78
SO2 Rate (ozone)		0.50
SO2 Adder (ozone)	\$	0.10
NOx Rate (ozone)		0.06
NOx Adder (ozone)	\$	0.11
CO2 Rate (ozone)		207.90
CO2 Adder (ozone)	\$	1.04
Total with NOx	\$	2.00
Weighted Avg	\$	1.84

Maps Generation (MWh)	3,110,216
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	1.84
Maps Req. Spot Purchases (MMBtu) -- East Bend 2	-
Spot Market Price w/o adders (\$1997/MMBtu)	0.76
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	-
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- East Bend 2	-
SO2 Emissions (Tons) -- East Bend 2	-
Seasonal NOx Emissions (Tons) -- East Bend 2	-
CO2 Emissions (Tons) -- East Bend 2	-
SO2 Allowances Consumed (1997 \$000) -- East Bend 2	-
NOx Allowances Consumed (1997 \$000) -- East Bend 2	-
CO2 Taxes (1997 \$000) -- East Bend 2	-
Recalculation of cost w/ adders	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Killen Station 2

Retire Year 2025
Unit Type Coal
NOx Scenario Start Year 2003

Maps

Base Fuel	\$	1.07
SO2 Rate		1.20
SO2 Adder	\$	0.24
CO2 Rate		207.90
CO2 Adder	\$	1.04
Total less NOx	\$	2.35
Base Fuel	\$	1.07
SO2 Rate (Base)		1.20
CO2 Rate (Base)		207.90
Base Fuel (ozone)	\$	1.07
SO2 Rate (ozone)		1.20
SO2 Adder (ozone)	\$	0.24
NOx Rate (ozone)		0.09
NOx Adder (ozone)	\$	0.16
CO2 Rate (ozone)		207.90
CO2 Adder (ozone)	\$	1.04
Total with NOx	\$	2.50
Weighted Avg	\$	2.41

Maps Generation (MWh)	1,427,158
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.41
Maps Req. Spot Purchases (MMBtu) -- Killen Station 2	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.07
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	-
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Killen Station 2	-
SO2 Emissions (Tons) -- Killen Station 2	-
Seasonal NOx Emissions (Tons) -- Killen Station 2	-
CO2 Emissions (Tons) -- Killen Station 2	-
SO2 Allowances Consumed (1997 \$000) -- Killen Station 2	-
NOx Allowances Consumed (1997 \$000) -- Killen Station 2	-
CO2 Taxes (1997 \$000) -- Killen Station 2	-

Recalculation of cost w/ adders -

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-6

2035

Miami Fort GT3

Retire Year 2009
Unit Type Distillate Oil
NOx Scenario Start Year 2003

Maps

Base Fuel	\$	4.46
SO2 Rate	-	-
SO2 Adder	\$	-
CO2 Rate		161.30
CO2 Adder	\$	0.81
Total less NOx	\$	5.27
Base Fuel	\$	4.46
SO2 Rate (Base)	-	-
CO2 Rate (Base)		161.30
Base Fuel (ozone)	\$	4.46
SO2 Rate (ozone)	-	-
SO2 Adder (ozone)	\$	-
NOx Rate (ozone)		0.20
NOx Adder (ozone)	\$	0.35
CO2 Rate (ozone)		161.30
CO2 Adder (ozone)	\$	0.81
Total with NOx	\$	5.62
Weighted Avg	\$	5.41

Maps Generation (MWh)	1,455
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	5.41
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT3	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	-
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Miami Fort GT3	-
SO2 Emissions (Tons) -- Miami Fort GT3	-
Seasonal NOx Emissions (Tons) -- Miami Fort GT3	-
CO2 Emissions (Tons) -- Miami Fort GT3	-
SO2 Allowances Consumed (1997 \$000) -- Miami Fort GT3	-
NOx Allowances Consumed (1997 \$000) -- Miami Fort GT3	-
CO2 Taxes (1997 \$000) -- Miami Fort GT3	-
Recalculation of cost w/ adders	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Miami Fort GT4

Retire Year 2009
Unit Type Distillate Oil
NOx Scenario Start Year 2003

Maps

Base Fuel	\$	4.46
SO2 Rate	-	-
SO2 Adder	\$	-
CO2 Rate		161.30
CO2 Adder	\$	0.81
Total less NOx	\$	5.27
Base Fuel	\$	4.46
SO2 Rate (Base)	-	-
CO2 Rate (Base)		161.30
Base Fuel (ozone)	\$	4.46
SO2 Rate (ozone)	-	-
SO2 Adder (ozone)	\$	-
NOx Rate (ozone)		0.20
NOx Adder (ozone)	\$	0.35
CO2 Rate (ozone)		161.30
CO2 Adder (ozone)	\$	0.81
Total with NOx	\$	5.62
Weighted Avg	\$	5.41

Maps Generation (MWh)	1,505
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	5.41
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT4	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	-
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Miami Fort GT4	-
SO2 Emissions (Tons) -- Miami Fort GT4	-
Seasonal NOx Emissions (Tons) -- Miami Fort GT4	-
CO2 Emissions (Tons) -- Miami Fort GT4	-
SO2 Allowances Consumed (1997 \$000) -- Miami Fort GT4	-
NOx Allowances Consumed (1997 \$000) -- Miami Fort GT4	-
CO2 Taxes (1997 \$000) -- Miami Fort GT4	-

Recalculation of cost w/ adders

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-6

2035

Miami Fort GT5

Retire Year 2009
Unit Type Distillate Oil
NOx Scenario Start Year 2003

Maps

Base Fuel	\$	4.46
SO2 Rate	-	-
SO2 Adder	\$	-
CO2 Rate		161.30
CO2 Adder	\$	0.81
Total less NOx	\$	5.27
Base Fuel	\$	4.46
SO2 Rate (Base)	-	-
CO2 Rate (Base)		161.30
Base Fuel (ozone)	\$	4.46
SO2 Rate (ozone)	-	-
SO2 Adder (ozone)	\$	-
NOx Rate (ozone)		0.20
NOx Adder (ozone)	\$	0.35
CO2 Rate (ozone)		161.30
CO2 Adder (ozone)	\$	0.81
Total with NOx	\$	5.62
Weighted Avg	\$	5.41

Maps Generation (MWh)	1,505
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	5.41
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT5	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	-
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Miami Fort GT5	-
SO2 Emissions (Tons) -- Miami Fort GT5	-
Seasonal NOx Emissions (Tons) -- Miami Fort GT5	-
CO2 Emissions (Tons) -- Miami Fort GT5	-
SO2 Allowances Consumed (1997 \$000) -- Miami Fort GT5	-
NOx Allowances Consumed (1997 \$000) -- Miami Fort GT5	-
CO2 Taxes (1997 \$000) -- Miami Fort GT5	-
Recalculation of cost w/ adders	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Miami Fort GT6

Retire Year 2009
Unit Type Distillate Oil
NOx Scenario Start Year 2003

Maps

Base Fuel	\$	4.46
SO2 Rate		-
SO2 Adder	\$	-
CO2 Rate		161.30
CO2 Adder	\$	0.81
Total less NOx	\$	5.27
Base Fuel	\$	4.46
SO2 Rate (Base)		-
CO2 Rate (Base)		161.30
Base Fuel (ozone)	\$	4.46
SO2 Rate (ozone)		-
SO2 Adder (ozone)	\$	-
NOx Rate (ozone)		0.20
NOx Adder (ozone)	\$	0.36
CO2 Rate (ozone)		161.30
CO2 Adder (ozone)	\$	0.81
Total with NOx	\$	5.62
Weighted Avg	\$	5.41

Maps Generation (MWh)	1,505
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	5.41
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT6	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	-
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Miami Fort GT6	-
SO2 Emissions (Tons) -- Miami Fort GT6	-
Seasonal NOx Emissions (Tons) -- Miami Fort GT6	-
CO2 Emissions (Tons) -- Miami Fort GT6	-
SO2 Allowances Consumed (1997 \$000) -- Miami Fort GT6	-
NOx Allowances Consumed (1997 \$000) -- Miami Fort GT6	-
CO2 Taxes (1997 \$000) -- Miami Fort GT6	-
Recalculation of cost w/ adders	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Miami Fort GT6

Retire Year 2009
Unit Type Distillate Oil
NOx Scenario Start Year 2003

Maps

Base Fuel	\$	4.46
SO2 Rate		-
SO2 Adder	\$	-
CO2 Rate		161.30
CO2 Adder	\$	0.81
Total less NOx	\$	5.27
Base Fuel	\$	4.46
SO2 Rate (Base)		-
CO2 Rate (Base)		161.30
Base Fuel (ozone)	\$	4.46
SO2 Rate (ozone)		-
SO2 Adder (ozone)	\$	-
NOx Rate (ozone)		0.20
NOx Adder (ozone)	\$	0.35
CO2 Rate (ozone)		161.30
CO2 Adder (ozone)	\$	0.81
Total with NOx	\$	5.62
Weighted Avg	\$	5.41

Maps Generation (MWh)	1,505
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	5.41
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT6	-
Spot Market Price w/o adders (\$1997/MMBtu)	4.46
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	-
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Miami Fort GT6	-
SO2 Emissions (Tons) -- Miami Fort GT6	-
Seasonal NOx Emissions (Tons) -- Miami Fort GT6	-
CO2 Emissions (Tons) -- Miami Fort GT6	-
SO2 Allowances Consumed (1997 \$000) -- Miami Fort GT6	-
NOx Allowances Consumed (1997 \$000) -- Miami Fort GT6	-
CO2 Taxes (1997 \$000) -- Miami Fort GT6	-
Recalculation of cost w/ adders	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

		2035
Miami Fort 5		
Retire Year	2009	
Unit Type	Coal	
NOx Scenario Start Year	2003	
Maps		
Base Fuel	\$	0.85
SO2 Rate		2.85
SO2 Adder	\$	0.56
CO2 Rate		207.90
CO2 Adder	\$	1.04
Total less NOx	\$	2.45
Base Fuel	\$	0.85
SO2 Rate (Base)		2.85
CO2 Rate (Base)		207.90
Base Fuel (ozone)	\$	0.85
SO2 Rate (ozone)		2.85
SO2 Adder (ozone)	\$	0.56
NOx Rate (ozone)		0.90
NOx Adder (ozone)	\$	1.58
CO2 Rate (ozone)		207.90
CO2 Adder (ozone)	\$	1.04
Total with NOx	\$	4.03
Weighted Avg	\$	3.11
Maps Generation (MWh)		
Maps Required Fuel w/adders (1997 \$000s)		33,489
Maps Spot Price w/adders (\$1997/MMBtu)		-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 5		3.11
Spot Market Price w/o adders (\$1997/MMBtu)		-
Maps Fuel Cost w/o adders (1997 \$000s)		0.85
Spot Purchases		-
MMBtu		-
Cost of Spot Purchases (1997 \$000)		-
Total Fuel Cost-- Miami Fort 5		-
SO2 Emissions (Tons) -- Miami Fort 5		-
Seasonal NOx Emissions (Tons) -- Miami Fort 5		-
CO2 Emissions (Tons) -- Miami Fort 5		-
SO2 Allowances Consumed (1997 \$000) -- Miami Fort 5		-
NOx Allowances Consumed (1997 \$000) -- Miami Fort 5		-
CO2 Taxes (1997 \$000) -- Miami Fort 5		-
Recalculation of cost w/ adders		-

**CONFIDENTIAL PROPRIETARY
TRADE SECRET**

SO2 and NOx Allowances Used

WP
HWP-5

2035

Miami Fort 6

Retire Year	2015
Unit Type	Coal
NOx Scenario Start Year	2003

Maps

Base Fuel	\$	0.85
SO2 Rate		2.85
SO2 Adder	\$	0.66
CO2 Rate		207.90
CO2 Adder	\$	1.04
Total less NOx	\$	2.45
Base Fuel	\$	0.85
SO2 Rate (Base)		2.85
CO2 Rate (Base)		207.90
Base Fuel (ozone)	\$	0.85
SO2 Rate (ozone)		2.85
SO2 Adder (ozone)	\$	0.58
NOx Rate (ozone)		0.23
NOx Adder (ozone)	\$	0.40
CO2 Rate (ozone)		207.90
CO2 Adder (ozone)	\$	1.04
Total with NOx	\$	2.85
Weighted Avg	\$	2.62

Maps Generation (MWh)	885,424
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.82
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 6	-
Spot Market Price w/o adders (\$1997/MMBtu)	0.85
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	-
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Miami Fort 6	-
SO2 Emissions (Tons) -- Miami Fort 6	-
Seasonal NOx Emissions (Tons) -- Miami Fort 6	-
CO2 Emissions (Tons) -- Miami Fort 6	-
SO2 Allowances Consumed (1997 \$000) -- Miami Fort 6	-
NOx Allowances Consumed (1997 \$000) -- Miami Fort 6	-
CO2 Taxes (1997 \$000) -- Miami Fort 6	-

Recalculation of cost w/ adders -

**CONFIDENTIAL PROPRIETARY
TRADE SECRET**

SO2 and NOx Allowances Used

WP
HWP-5

2035

Miami Fort 7

Retire Year 2015
Unit Type Coal
NOx Scenario Start Year 2003

Maps

Base Fuel	\$	0.85
SO2 Rate		2.85
SO2 Adder	\$	0.58
CO2 Rate		207.80
CO2 Adder	\$	1.04
Total less NOx	\$	2.45
Base Fuel	\$	0.85
SO2 Rate (Base)		2.85
CO2 Rate (Base)		207.80
Base Fuel (ozone)	\$	0.85
SO2 Rate (ozone)		2.85
SO2 Adder (ozone)	\$	0.58
NOx Rate (ozone)		0.07
NOx Adder (ozone)	\$	0.13
CO2 Rate (ozone)		207.90
CO2 Adder (ozone)	\$	1.04
Total with NOx	\$	2.58
Weighted Avg	\$	2.50

Maps Generation (MWh)	1,806,891
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.50
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 7	-
Spot Market Price w/o adders (\$1997/MMBtu)	0.85
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	-
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Miami Fort 7	-
SO2 Emissions (Tons) -- Miami Fort 7	-
Seasonal NOx Emissions (Tons) -- Miami Fort 7	-
CO2 Emissions (Tons) -- Miami Fort 7	-
SO2 Allowances Consumed (1997 \$000) -- Miami Fort 7	-
NOx Allowances Consumed (1997 \$000) -- Miami Fort 7	-
CO2 Taxes (1997 \$000) -- Miami Fort 7	-
Recalculation of cost w/ adders	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Miami Fort 8

Retire Year	2018
Unit Type	Coal
NOx Scenario Start Year	2003

Maps

Base Fuel	\$	1.09
SO2 Rate		1.20
SO2 Adder	\$	0.24
CO2 Rate		207.90
CO2 Adder	\$	1.04
Total less NOx	\$	2.36
Base Fuel	\$	1.09
SO2 Rate (Base)		1.20
CO2 Rate (Base)		207.90
Base Fuel (ozone)	\$	1.09
SO2 Rate (ozone)		1.20
SO2 Adder (ozone)	\$	0.24
NOx Rate (ozone)		0.07
NOx Adder (ozone)	\$	0.13
CO2 Rate (ozone)		207.90
CO2 Adder (ozone)	\$	1.04
Total with NOx	\$	2.48
Weighted Avg	\$	2.42

Maps Generation (MWh)	1,959,214
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.42
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 8	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.09
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	-
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Miami Fort 8	-
SO2 Emissions (Tons) -- Miami Fort 8	-
Seasonal NOx Emissions (Tons) -- Miami Fort 8	-
CO2 Emissions (Tons) -- Miami Fort 8	-
SO2 Allowances Consumed (1997 \$000) -- Miami Fort 8	-
NOx Allowances Consumed (1997 \$000) -- Miami Fort 8	-
CO2 Taxes (1997 \$000) -- Miami Fort 8	-

Recalculation of cost w/ adders

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Stuart 1

Retire Year 2021
Unit Type Coal
NOx Scenario Start Year 2003

Maps

Base Fuel	\$	1.10
SO2 Rate		1.80
SO2 Adder	\$	0.31
CO2 Rate		207.90
CO2 Adder	\$	1.04
Total less NOx	\$	2.46
Base Fuel	\$	1.10
SO2 Rate (Base)		1.80
CO2 Rate (Base)		207.90
Base Fuel (ozone)	\$	1.10
SO2 Rate (ozone)		1.80
SO2 Adder (ozone)	\$	0.31
NOx Rate (ozone)		0.14
NOx Adder (ozone)	\$	0.25
CO2 Rate (ozone)		207.90
CO2 Adder (ozone)	\$	1.04
Total with NOx	\$	2.70
Weighted Avg	\$	2.56

Maps Generation (MWh)	1,440,152
Maps Required Fuel wadders (1997 \$000s)	-
Maps Spot Price wadders (\$1997/MMBtu)	2.56
Maps Req. Spot Purchases (MMBtu) -- Stuart 1	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.10
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	-
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Stuart 1	-
SO2 Emissions (Tons) -- Stuart 1	-
Seasonal NOx Emissions (Tons) -- Stuart 1	-
CO2 Emissions (Tons) -- Stuart 1	-
SO2 Allowances Consumed (1997 \$000) -- Stuart 1	-
NOx Allowances Consumed (1997 \$000) -- Stuart 1	-
CO2 Taxes (1997 \$000) -- Stuart 1	-
Recalculation of cost w/ adders	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Stuart 2

Retire Year	2021
Unit Type	Coal
NOx Scenario Start Year	2003

Maps

Base Fuel	\$	1.10
SO2 Rate		1.60
SO2 Adder	\$	0.31
CO2 Rate		207.90
CO2 Adder	\$	1.04
Total less NOx	\$	2.46
Base Fuel	\$	1.10
SO2 Rate (Base)		1.60
CO2 Rate (Base)		207.90
Base Fuel (ozone)	\$	1.10
SO2 Rate (ozone)		1.60
SO2 Adder (ozone)	\$	0.31
NOx Rate (ozone)		0.14
NOx Adder (ozone)	\$	0.25
CO2 Rate (ozone)		207.90
CO2 Adder (ozone)	\$	1.04
Total with NOx	\$	2.70
Weighted Avg	\$	2.56

Maps Generation (MWh)	1,501,271
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.56
Maps Req. Spot Purchases (MMBtu) -- Stuart 2	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.10
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	-
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Stuart 2	-
SO2 Emissions (Tons) -- Stuart 2	-
Seasonal NOx Emissions (Tons) -- Stuart 2	-
CO2 Emissions (Tons) -- Stuart 2	-
SO2 Allowances Consumed (1997 \$000) -- Stuart 2	-
NOx Allowances Consumed (1997 \$000) -- Stuart 2	-
CO2 Taxes (1997 \$000) -- Stuart 2	-
Recalculation of cost w/ adders	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Stuart 3

Retire Year 2021
Unit Type Coal
NOx Scenario Start Year 2003

Maps

Base Fuel	\$	1.10
SO2 Rate		1.60
SO2 Adder	\$	0.31
CO2 Rate		207.90
CO2 Adder	\$	1.04
Total less NOx	\$	2.46
Base Fuel	\$	1.10
SO2 Rate (Base)		1.60
CO2 Rate (Base)		207.90
Base Fuel (ozone)	\$	1.10
SO2 Rate (ozone)		1.60
SO2 Adder (ozone)	\$	0.31
NOx Rate (ozone)		0.14
NOx Adder (ozone)	\$	0.25
CO2 Rate (ozone)		207.90
CO2 Adder (ozone)	\$	1.04
Total with NOx	\$	2.70
Weighted Avg	\$	2.56

Maps Generation (MWh)	1,307,138
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.56
Maps Req. Spot Purchases (MMBtu) -- Stuart 3	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.10
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	-
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Stuart 3	-
SO2 Emissions (Tons) -- Stuart 3	-
Seasonal NOx Emissions (Tons) -- Stuart 3	-
CO2 Emissions (Tons) -- Stuart 3	-
SO2 Allowances Consumed (1997 \$000) -- Stuart 3	-
NOx Allowances Consumed (1997 \$000) -- Stuart 3	-
CO2 Taxes (1997 \$000) -- Stuart 3	-
Recalculation of cost w/ adders	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Stuart 4

Retire Year 2021
Unit Type Coal
NOx Scenario Start Year 2003

Maps

Base Fuel	\$	1.10
SO2 Rate		1.60
SO2 Adder	\$	0.31
CO2 Rate		207.90
CO2 Adder	\$	1.04
Total less NOx	\$	2.46
Base Fuel	\$	1.10
SO2 Rate (Base)		1.60
CO2 Rate (Base)		207.90
Base Fuel (ozone)	\$	1.10
SO2 Rate (ozone)		1.60
SO2 Adder (ozone)	\$	0.31
NOx Rate (ozone)		0.12
NOx Adder (ozone)	\$	0.21
CO2 Rate (ozone)		207.90
CO2 Adder (ozone)	\$	1.04
Total with NOx	\$	2.67
Weighted Avg	\$	2.55

Maps Generation (MWh)	1,443,205
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	2.55
Maps Req. Spot Purchases (MMBtu) -- Stuart 4	-
Spot Market Price w/o adders (\$1997/MMBtu)	1.10
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	-
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Stuart 4	-
SO2 Emissions (Tons) -- Stuart 4	-
Seasonal NOx Emissions (Tons) -- Stuart 4	-
CO2 Emissions (Tons) -- Stuart 4	-
SO2 Allowances Consumed (1997 \$000) -- Stuart 4	-
NOx Allowances Consumed (1997 \$000) -- Stuart 4	-
CO2 Taxes (1997 \$000) -- Stuart 4	-
Recalculation of cost w/ adders	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Woodsdale GT1

Retire Year	2028
Unit Type	Gas
NOx Scenario Start Year	2003

Maps

Base Fuel	\$	2.62
SO2 Rate		-
SO2 Adder	\$	-
CO2 Rate		117.00
CO2 Adder	\$	0.59
Total less NOx	\$	3.21
Base Fuel	\$	2.62
SO2 Rate (Base)		-
CO2 Rate (Base)		117.00
Base Fuel (ozone)	\$	2.62
SO2 Rate (ozone)		-
SO2 Adder (ozone)	\$	-
NOx Rate (ozone)		0.10
NOx Adder (ozone)	\$	0.18
CO2 Rate (ozone)		117.00
CO2 Adder (ozone)	\$	0.59
Total with NOx	\$	3.38
Weighted Avg	\$	3.28

Maps Generation (MWh)	15,147
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	3.28
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT1	-
Spot Market Price w/o adders (\$1997/MMBtu)	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Woodsdale GT1	-
SO2 Emissions (Tons) -- Woodsdale GT1	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT1	-
CO2 Emissions (Tons) -- Woodsdale GT1	-
SO2 Allowances Consumed (1997 \$000) -- Woodsdale GT1	-
NOx Allowances Consumed (1997 \$000) -- Woodsdale GT1	-
CO2 Taxes (1997 \$000) -- Woodsdale GT1	-
Recalculation of cost w/ adders	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Woodsdale GT2

Retire Year 2027
Unit Type Gas
NOx Scenario Start Year 2003

Maps

Base Fuel	\$	2.62
SO2 Rate		-
SO2 Adder	\$	-
CO2 Rate		117.00
CO2 Adder	\$	0.59
Total less NOx	\$	3.21
Base Fuel	\$	2.62
SO2 Rate (Base)		-
CO2 Rate (Base)		117.00
Base Fuel (ozone)	\$	2.62
SO2 Rate (ozone)		-
SO2 Adder (ozone)	\$	-
NOx Rate (ozone)		0.10
NOx Adder (ozone)	\$	0.18
CO2 Rate (ozone)		117.00
CO2 Adder (ozone)	\$	0.59
Total with NOx	\$	3.38
Weighted Avg	\$	3.28

Maps Generation (MWh)	14,712
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	3.28
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT2	-
Spot Market Price w/o adders (\$1997/MMBtu)	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Woodsdale GT2	-
SO2 Emissions (Tons) -- Woodsdale GT2	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT2	-
CO2 Emissions (Tons) -- Woodsdale GT2	-
SO2 Allowances Consumed (1997 \$000) -- Woodsdale GT2	-
NOx Allowances Consumed (1997 \$000) -- Woodsdale GT2	-
CO2 Taxes (1997 \$000) -- Woodsdale GT2	-
Recalculation of cost w/ adders	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Woodsdale GT3

Retire Year	2027
Unit Type	Gas
NOx Scenario Start Year	2003

Maps

Base Fuel	\$	2.62
SO2 Rate		-
SO2 Adder	\$	-
CO2 Rate		117.00
CO2 Adder	\$	0.59
Total less NOx	\$	3.21
Base Fuel	\$	2.62
SO2 Rate (Base)		-
CO2 Rate (Base)		117.00
Base Fuel (ozone)	\$	2.62
SO2 Rate (ozone)		-
SO2 Adder (ozone)	\$	-
NOx Rate (ozone)		0.10
NOx Adder (ozone)	\$	0.18
CO2 Rate (ozone)		117.00
CO2 Adder (ozone)	\$	0.59
Total with NOx	\$	3.38
Weighted Avg	\$	3.28

Maps Generation (MWh)	17,335
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	3.28
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT3	-
Spot Market Price w/o adders (\$1997/MMBtu)	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Woodsdale GT3	-
SO2 Emissions (Tons) -- Woodsdale GT3	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT3	-
CO2 Emissions (Tons) -- Woodsdale GT3	-
SO2 Allowances Consumed (1997 \$000) -- Woodsdale GT3	-
NOx Allowances Consumed (1997 \$000) -- Woodsdale GT3	-
CO2 Taxes (1997 \$000) -- Woodsdale GT3	-
Recalculation of cost w/ adders	-

**CONFIDENTIAL PROPRIETARY
TRADE SECRET**

SO2 and NOx Allowances Used

WP
HWP-5

2035

Woodsdale GT4

Retire Year 2027
Unit Type Gas
NOx Scenario Start Year 2003

Maps

Base Fuel	\$	2.62
SO2 Rate		-
SO2 Adder	\$	-
CO2 Rate		117.00
CO2 Adder	\$	0.59
Total less NOx	\$	3.21
Base Fuel	\$	2.62
SO2 Rate (Base)		-
CO2 Rate (Base)		117.00
Base Fuel (ozone)	\$	2.62
SO2 Rate (ozone)		-
SO2 Adder (ozone)	\$	-
NOx Rate (ozone)		0.10
NOx Adder (ozone)	\$	0.18
CO2 Rate (ozone)		117.00
CO2 Adder (ozone)	\$	0.59
Total with NOx	\$	3.38
Weighted Avg	\$	3.28

Maps Generation (MWh)	17,501
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	3.28
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT4	-
Spot Market Price w/o adders (\$1997/MMBtu)	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	-
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Woodsdale GT4	-
SO2 Emissions (Tons) -- Woodsdale GT4	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT4	-
CO2 Emissions (Tons) -- Woodsdale GT4	-
SO2 Allowances Consumed (1997 \$000) -- Woodsdale GT4	-
NOx Allowances Consumed (1997 \$000) -- Woodsdale GT4	-
CO2 Taxes (1997 \$000) -- Woodsdale GT4	-
Recalculation of cost w/ adders	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Woodsdale GT5

Retire Year 2027
Unit Type Gas
NOx Scenario Start Year 2003

Maps

Base Fuel	\$	2.62
SO2 Rate		-
SO2 Adder	\$	-
CO2 Rate		117.00
CO2 Adder	\$	0.59
Total less NOx	\$	3.21
Base Fuel	\$	2.62
SO2 Rate (Base)		-
CO2 Rate (Base)		117.00
Base Fuel (ozone)	\$	2.62
SO2 Rate (ozone)		-
SO2 Adder (ozone)	\$	-
NOx Rate (ozone)		0.10
NOx Adder (ozone)	\$	0.18
CO2 Rate (ozone)		117.00
CO2 Adder (ozone)	\$	0.59
Total with NOx	\$	3.38
Weighted Avg	\$	3.28

Maps Generation (MWh)	17,280
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	3.28
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT5	-
Spot Market Price w/o adders (\$1997/MMBtu)	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	-
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Woodsdale GT5	-
SO2 Emissions (Tons) -- Woodsdale GT5	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT5	-
CO2 Emissions (Tons) -- Woodsdale GT5	-
SO2 Allowances Consumed (1997 \$000) -- Woodsdale GT5	-
NOx Allowances Consumed (1997 \$000) -- Woodsdale GT5	-
CO2 Taxes (1997 \$000) -- Woodsdale GT5	-

Recalculation of cost w/ adders

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Woodsdale GT6

Retire Year 2027
Unit Type Gas
NOx Scenario Start Year 2003

Maps		
Base Fuel	\$	2.62
SO2 Rate		-
SO2 Adder	\$	-
CO2 Rate		117.00
CO2 Adder	\$	0.59
Total less NOx	\$	3.21
Base Fuel	\$	2.62
SO2 Rate (Base)		-
CO2 Rate (Base)		117.00
Base Fuel (ozone)	\$	2.62
SO2 Rate (ozone)		-
SO2 Adder (ozone)	\$	-
NOx Rate (ozone)		0.10
NOx Adder (ozone)	\$	0.18
CO2 Rate (ozone)		117.00
CO2 Adder (ozone)	\$	0.59
Total with NOx	\$	3.38
Weighted Avg	\$	3.28

Maps Generation (MWh)	17,493
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	3.28
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT6	-
Spot Market Price w/o adders (\$1997/MMBtu)	2.62
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	-
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Woodsdale GT6	-
SO2 Emissions (Tons) -- Woodsdale GT6	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT6	-
CO2 Emissions (Tons) -- Woodsdale GT6	-
SO2 Allowances Consumed (1997 \$000) -- Woodsdale GT6	-
NOx Allowances Consumed (1997 \$000) -- Woodsdale GT6	-
CO2 Taxes (1997 \$000) -- Woodsdale GT6	-

Recalculation of cost w/ adders -

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Zimmer 1

Retire Year 2031
Unit Type Coal
NOx Scenario Start Year 2003

Maps

Base Fuel	\$	0.74
SO2 Rate		0.54
SO2 Adder	\$	0.11
CO2 Rate		207.90
CO2 Adder	\$	1.04
Total less NOx	\$	1.89
Base Fuel	\$	0.74
SO2 Rate (Base)		0.54
CO2 Rate (Base)		207.90
Base Fuel (ozone)	\$	0.74
SO2 Rate (ozone)		0.54
SO2 Adder (ozone)	\$	0.11
NOx Rate (ozone)		0.07
NOx Adder (ozone)	\$	0.12
CO2 Rate (ozone)		207.90
CO2 Adder (ozone)	\$	1.04
Total with NOx	\$	2.01
Weighted Avg	\$	1.94

Maps Generation (MWh)	4,404,558
Maps Required Fuel w/adders (1997 \$000s)	-
Maps Spot Price w/adders (\$1997/MMBtu)	1.94
Maps Req. Spot Purchases (MMBtu) -- Zimmer 1	-
Spot Market Price w/o adders (\$1997/MMBtu)	0.74
Maps Fuel Cost w/o adders (1997 \$000s)	-
Spot Purchases	
MMBtu	-
Cost of Spot Purchases (1997 \$000)	-
Total Fuel Cost-- Zimmer 1	-
SO2 Emissions (Tons) -- Zimmer 1	-
Seasonal NOx Emissions (Tons) -- Zimmer 1	-
CO2 Emissions (Tons) -- Zimmer 1	-
SO2 Allowances Consumed (1997 \$000) -- Zimmer 1	-
NOx Allowances Consumed (1997 \$000) -- Zimmer 1	-
CO2 Taxes (1997 \$000) -- Zimmer 1	-
Recalculation of cost w/ adders	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

2035

Maps Req. Spot Purchases (MMBtu)	
Maps Req. Spot Purchases (MMBtu) -- Beckjord 1	-
Maps Req. Spot Purchases (MMBtu) -- Beckjord 2	-
Maps Req. Spot Purchases (MMBtu) -- Beckjord 3	-
Maps Req. Spot Purchases (MMBtu) -- Beckjord 4	-
Maps Req. Spot Purchases (MMBtu) -- Beckjord 5	-
Maps Req. Spot Purchases (MMBtu) -- Beckjord 6	-
Maps Req. Spot Purchases (MMBtu) -- Beckjord GT1	-
Maps Req. Spot Purchases (MMBtu) -- Beckjord GT2	-
Maps Req. Spot Purchases (MMBtu) -- Beckjord GT3	-
Maps Req. Spot Purchases (MMBtu) -- Beckjord GT4	-
Maps Req. Spot Purchases (MMBtu) -- Conesville 4	-
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 1	-
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 3	-
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 4	-
Maps Req. Spot Purchases (MMBtu) -- Dicks Creek 5	-
Maps Req. Spot Purchases (MMBtu) -- East Bend 2	-
Maps Req. Spot Purchases (MMBtu) -- Killen Station 2	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT3	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT4	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT5	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort GT6	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 5	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 6	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 7	-
Maps Req. Spot Purchases (MMBtu) -- Miami Fort 8	-
Maps Req. Spot Purchases (MMBtu) -- Stuart 1	-
Maps Req. Spot Purchases (MMBtu) -- Stuart 2	-
Maps Req. Spot Purchases (MMBtu) -- Stuart 3	-
Maps Req. Spot Purchases (MMBtu) -- Stuart 4	-
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT1	-
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT2	-
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT3	-
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT4	-
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT5	-
Maps Req. Spot Purchases (MMBtu) -- Woodsdale GT6	-
Maps Req. Spot Purchases (MMBtu) -- Zimmer 1	-
Total	-

**CONFIDENTIAL PROPRIETARY
TRADE SECRET**

SO2 and NOx Allowances Used

WP
HWP-5

	2035
SO2 Emissions (Tons)	
SO2 Emissions (Tons) -- Backford 1	-
SO2 Emissions (Tons) -- Backford 2	-
SO2 Emissions (Tons) -- Backford 3	-
SO2 Emissions (Tons) -- Backford 4	-
SO2 Emissions (Tons) -- Backford 5	-
SO2 Emissions (Tons) -- Backford 6	-
SO2 Emissions (Tons) -- Backford GT1	-
SO2 Emissions (Tons) -- Backford GT2	-
SO2 Emissions (Tons) -- Backford GT3	-
SO2 Emissions (Tons) -- Backford GT4	-
SO2 Emissions (Tons) -- Conesville 4	-
SO2 Emissions (Tons) -- Dicks Creek 1	-
SO2 Emissions (Tons) -- Dicks Creek 3	-
SO2 Emissions (Tons) -- Dicks Creek 4	-
SO2 Emissions (Tons) -- Dicks Creek 5	-
SO2 Emissions (Tons) -- East Bend 2	-
SO2 Emissions (Tons) -- Killen Station 2	-
SO2 Emissions (Tons) -- Miami Fort GT3	-
SO2 Emissions (Tons) -- Miami Fort GT4	-
SO2 Emissions (Tons) -- Miami Fort GT5	-
SO2 Emissions (Tons) -- Miami Fort GT6	-
SO2 Emissions (Tons) -- Miami Fort 5	-
SO2 Emissions (Tons) -- Miami Fort 6	-
SO2 Emissions (Tons) -- Miami Fort 7	-
SO2 Emissions (Tons) -- Miami Fort 8	-
SO2 Emissions (Tons) -- Stuart 1	-
SO2 Emissions (Tons) -- Stuart 2	-
SO2 Emissions (Tons) -- Stuart 3	-
SO2 Emissions (Tons) -- Stuart 4	-
SO2 Emissions (Tons) -- Woodsdale GT1	-
SO2 Emissions (Tons) -- Woodsdale GT2	-
SO2 Emissions (Tons) -- Woodsdale GT3	-
SO2 Emissions (Tons) -- Woodsdale GT4	-
SO2 Emissions (Tons) -- Woodsdale GT5	-
SO2 Emissions (Tons) -- Woodsdale GT6	-
SO2 Emissions (Tons) -- Zimmer 1	-
Total	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	2035
Seasonal NOx Emissions (Tons)	
Seasonal NOx Emissions (Tons) -- Beckford 1	-
Seasonal NOx Emissions (Tons) -- Beckford 2	-
Seasonal NOx Emissions (Tons) -- Beckford 3	-
Seasonal NOx Emissions (Tons) -- Beckford 4	-
Seasonal NOx Emissions (Tons) -- Beckford 5	-
Seasonal NOx Emissions (Tons) -- Beckford 6	-
Seasonal NOx Emissions (Tons) -- Beckford GT1	-
Seasonal NOx Emissions (Tons) -- Beckford GT2	-
Seasonal NOx Emissions (Tons) -- Beckford GT3	-
Seasonal NOx Emissions (Tons) -- Beckford GT4	-
Seasonal NOx Emissions (Tons) -- Conesville 4	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 1	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 3	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 4	-
Seasonal NOx Emissions (Tons) -- Dicks Creek 5	-
Seasonal NOx Emissions (Tons) -- East Bend 2	-
Seasonal NOx Emissions (Tons) -- Killen Station 2	-
Seasonal NOx Emissions (Tons) -- Miami Fort GT3	-
Seasonal NOx Emissions (Tons) -- Miami Fort GT4	-
Seasonal NOx Emissions (Tons) -- Miami Fort GT5	-
Seasonal NOx Emissions (Tons) -- Miami Fort GT6	-
Seasonal NOx Emissions (Tons) -- Miami Fort 5	-
Seasonal NOx Emissions (Tons) -- Miami Fort 6	-
Seasonal NOx Emissions (Tons) -- Miami Fort 7	-
Seasonal NOx Emissions (Tons) -- Miami Fort 8	-
Seasonal NOx Emissions (Tons) -- Stuart 1	-
Seasonal NOx Emissions (Tons) -- Stuart 2	-
Seasonal NOx Emissions (Tons) -- Stuart 3	-
Seasonal NOx Emissions (Tons) -- Stuart 4	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT1	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT2	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT3	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT4	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT5	-
Seasonal NOx Emissions (Tons) -- Woodsdale GT6	-
Seasonal NOx Emissions (Tons) -- Zimmer 1	-
Total	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
RWP-5

2035

CO2 Taxes (1997 \$000)	
CO2 Taxes (1997 \$000) -- Beckjord 1	-
CO2 Taxes (1997 \$000) -- Beckjord 2	-
CO2 Taxes (1997 \$000) -- Beckjord 3	-
CO2 Taxes (1997 \$000) -- Beckjord 4	-
CO2 Taxes (1997 \$000) -- Beckjord 5	-
CO2 Taxes (1997 \$000) -- Beckjord 6	-
CO2 Taxes (1997 \$000) -- Beckjord GT1	-
CO2 Taxes (1997 \$000) -- Beckjord GT2	-
CO2 Taxes (1997 \$000) -- Beckjord GT3	-
CO2 Taxes (1997 \$000) -- Beckjord GT4	-
CO2 Taxes (1997 \$000) -- Conesville 4	-
CO2 Taxes (1997 \$000) -- Dicks Creek 1	-
CO2 Taxes (1997 \$000) -- Dicks Creek 3	-
CO2 Taxes (1997 \$000) -- Dicks Creek 4	-
CO2 Taxes (1997 \$000) -- Dicks Creek 5	-
CO2 Taxes (1997 \$000) -- East Bend 2	-
CO2 Taxes (1997 \$000) -- Killen Station 2	-
CO2 Taxes (1997 \$000) -- Miami Fort GT3	-
CO2 Taxes (1997 \$000) -- Miami Fort GT4	-
CO2 Taxes (1997 \$000) -- Miami Fort GT5	-
CO2 Taxes (1997 \$000) -- Miami Fort GT6	-
CO2 Taxes (1997 \$000) -- Miami Fort 5	-
CO2 Taxes (1997 \$000) -- Miami Fort 6	-
CO2 Taxes (1997 \$000) -- Miami Fort 7	-
CO2 Taxes (1997 \$000) -- Miami Fort 8	-
CO2 Taxes (1997 \$000) -- Stuart 1	-
CO2 Taxes (1997 \$000) -- Stuart 2	-
CO2 Taxes (1997 \$000) -- Stuart 3	-
CO2 Taxes (1997 \$000) -- Stuart 4	-
CO2 Taxes (1997 \$000) -- Woodsdale GT1	-
CO2 Taxes (1997 \$000) -- Woodsdale GT2	-
CO2 Taxes (1997 \$000) -- Woodsdale GT3	-
CO2 Taxes (1997 \$000) -- Woodsdale GT4	-
CO2 Taxes (1997 \$000) -- Woodsdale GT5	-
CO2 Taxes (1997 \$000) -- Woodsdale GT6	-
CO2 Taxes (1997 \$000) -- Zimmer 1	-
Total	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 and NOx Allowances Used

WP
HWP-5

	<u>2035</u>
Total Fuel Cost	-
Total Fuel Cost-- Beckjord 1	-
Total Fuel Cost-- Beckjord 2	-
Total Fuel Cost-- Beckjord 3	-
Total Fuel Cost-- Beckjord 4	-
Total Fuel Cost-- Beckjord 5	-
Total Fuel Cost-- Beckjord 6	-
Total Fuel Cost-- Beckjord GT1	-
Total Fuel Cost-- Beckjord GT2	-
Total Fuel Cost-- Beckjord GT3	-
Total Fuel Cost-- Beckjord GT4	-
Total Fuel Cost-- Conesville 4	-
Total Fuel Cost-- Dicks Creek 1	-
Total Fuel Cost-- Dicks Creek 3	-
Total Fuel Cost-- Dicks Creek 4	-
Total Fuel Cost-- Dicks Creek 5	-
Total Fuel Cost-- East Bend 2	-
Total Fuel Cost-- Killen Station 2	-
Total Fuel Cost-- Miami Fort GT3	-
Total Fuel Cost-- Miami Fort GT4	-
Total Fuel Cost-- Miami Fort GT5	-
Total Fuel Cost-- Miami Fort GT6	-
Total Fuel Cost-- Miami Fort 5	-
Total Fuel Cost-- Miami Fort 6	-
Total Fuel Cost-- Miami Fort 7	-
Total Fuel Cost-- Miami Fort 8	-
Total Fuel Cost-- Stuart 1	-
Total Fuel Cost-- Stuart 2	-
Total Fuel Cost-- Stuart 3	-
Total Fuel Cost-- Stuart 4	-
Total Fuel Cost-- Woodsdale GT1	-
Total Fuel Cost-- Woodsdale GT2	-
Total Fuel Cost-- Woodsdale GT3	-
Total Fuel Cost-- Woodsdale GT4	-
Total Fuel Cost-- Woodsdale GT5	-
Total Fuel Cost-- Woodsdale GT6	-
Total Fuel Cost-- Zimmer 1	-
Total	-

**CONFIDENTIAL PROPRIETARY
TRADE SECRET**

**Base Fuel Prices
& NO_x/CO₂/SO₂ Emission Rates**

WP
HWP-5

			<u>1999</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>
Base Fuel Price (\$1997/mmBtu)														
		Fuel Name (M/F)												
Beckjord 1	BECKJF01	Beck_1	-	-	1.21	1.21	1.21	1.21	1.21	1.20	1.19	1.19	1.18	1.18
Beckjord 2	BECKJF02	Beck_2	-	-	1.21	1.21	1.21	1.21	1.21	1.20	1.19	1.19	1.18	1.18
Beckjord 3	BECKJF03	Beck_3	-	-	1.21	1.21	1.21	1.21	1.21	1.20	1.18	1.19	1.18	1.18
Beckjord 4	BECKJF04	Beck_4	-	-	1.21	1.21	1.21	1.21	1.21	1.20	1.18	1.19	1.18	1.18
Beckjord 5	BECKJF05	Beck_5	-	-	1.21	1.21	1.21	1.21	1.21	1.20	1.19	1.19	1.18	1.18
Beckjord 6	BECKJF06	Beck_6	-	-	1.21	1.21	1.21	1.21	1.21	1.20	1.19	1.19	1.18	1.18
Beckjord GT1	BECKJG01	ECARFO2X	-	-	3.59	3.71	3.84	3.97	4.10	4.17	4.24	4.31	4.38	4.46
Beckjord GT2	BECKJG02	ECARFO2X	-	-	3.59	3.71	3.84	3.97	4.10	4.17	4.24	4.31	4.38	4.46
Beckjord GT3	BECKJG03	ECARFO2X	-	-	3.59	3.71	3.84	3.97	4.10	4.17	4.24	4.31	4.38	4.46
Beckjord GT4	BECKJG04	ECARFO2X	-	-	3.59	3.71	3.84	3.97	4.10	4.17	4.24	4.31	4.38	4.46
Conesville 4	CONESV04	Cone_4	-	-	0.84	0.83	0.82	0.81	0.79	0.78	0.77	0.76	0.74	0.73
Dicks Creek 1	DICKS 01	ECARNATG	-	-	2.36	2.37	2.39	2.40	2.42	2.46	2.50	2.54	2.58	2.62
Dicks Creek 3	DICKS 03	ECARNATG	-	-	2.36	2.37	2.39	2.40	2.42	2.46	2.50	2.54	2.58	2.62
Dicks Creek 4	DICKS 04	ECARFO2X	-	-	3.59	3.71	3.84	3.97	4.10	4.17	4.24	4.31	4.38	4.46
Dicks Creek 5	DICKS 05	ECARFO2X	-	-	3.59	3.71	3.84	3.97	4.10	4.17	4.24	4.31	4.38	4.46
East Bend 2	EAST B02	East_2	-	-	0.96	0.93	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76
Killen Station 2	KILLEN02	Kill_2	-	-	1.11	1.11	1.11	1.11	1.11	1.10	1.10	1.09	1.08	1.07
Miami Fort GT3	MIAMI 03	ECARFO2X	-	-	3.59	3.71	3.84	3.97	4.10	4.17	4.24	4.31	4.38	4.46
Miami Fort GT4	MIAMI 04	ECARFO2X	-	-	3.59	3.71	3.84	3.97	4.10	4.17	4.24	4.31	4.38	4.46
Miami Fort GT5	MIAMI 05	ECARFO2X	-	-	3.59	3.71	3.84	3.97	4.10	4.17	4.24	4.31	4.38	4.46
Miami Fort GT6	MIAMI 06	ECARFO2X	-	-	3.59	3.71	3.84	3.97	4.10	4.17	4.24	4.31	4.38	4.46
Miami Fort 5	MIAMI -5	Miam_5	-	-	1.00	0.99	0.98	0.97	0.96	0.93	0.91	0.89	0.87	0.85
Miami Fort 6	MIAMI -6	Miam_6	-	-	1.00	0.99	0.98	0.97	0.96	0.93	0.91	0.89	0.87	0.85
Miami Fort 7	MIAMI 07	Miam_7	-	-	1.00	0.99	0.98	0.97	0.96	0.93	0.91	0.89	0.87	0.85
Miami Fort 8	MIAMI 08	Miam_8	-	-	1.13	1.13	1.13	1.13	1.13	1.12	1.11	1.10	1.10	1.09
Stuart 1	STUART01	Stua_1	-	-	1.13	1.13	1.13	1.13	1.13	1.13	1.12	1.12	1.11	1.10
Stuart 2	STUART02	Stua_2	-	-	1.13	1.13	1.13	1.13	1.13	1.13	1.12	1.12	1.11	1.10
Stuart 3	STUART03	Stua_3	-	-	1.13	1.13	1.13	1.13	1.13	1.13	1.12	1.12	1.11	1.10
Stuart 4	STUART04	Stua_4	-	-	1.13	1.13	1.13	1.13	1.13	1.13	1.12	1.12	1.11	1.10
Woodsdale GT1	WOODSD01	ECARNATG	-	-	2.36	2.37	2.39	2.40	2.42	2.46	2.50	2.54	2.58	2.62
Woodsdale GT2	WOODSD02	ECARNATG	-	-	2.36	2.37	2.39	2.40	2.42	2.46	2.50	2.54	2.58	2.62
Woodsdale GT3	WOODSD03	ECARNATG	-	-	2.36	2.37	2.39	2.40	2.42	2.46	2.50	2.54	2.58	2.62
Woodsdale GT4	WOODSD04	ECARNATG	-	-	2.36	2.37	2.39	2.40	2.42	2.46	2.50	2.54	2.58	2.62
Woodsdale GT5	WOODSD05	ECARNATG	-	-	2.36	2.37	2.39	2.40	2.42	2.46	2.50	2.54	2.58	2.62
Woodsdale GT6	WOODSD06	ECARNATG	-	-	2.36	2.37	2.39	2.40	2.42	2.46	2.50	2.54	2.58	2.62
Zimmer 1	ZIMMERO1	Zimm_ST1	-	-	0.90	0.89	0.87	0.86	0.83	0.81	0.79	0.78	0.76	0.74
ECARFO2X			-	-	3.59	3.71	3.84	3.97	4.10	4.17	4.24	4.31	4.38	4.46
ECARNATG			-	-	2.36	2.37	2.39	2.40	2.42	2.46	2.50	2.54	2.58	2.62

See direct testimony and exhibits of James M. Speyer regarding base fuel prices.

**CONFIDENTIAL PROPRIETARY
TRADE SECRET**

**Base Fuel Prices
& NO_x/CO₂/SO₂ Emission Rates**

WP
HWP-5

			1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
SO₂ Rate (lbs/mmBtu)														
Beckjord 1	BECKJF01	Beck_1	-	-	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
Beckjord 2	BECKJF02	Beck_2	-	-	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
Beckjord 3	BECKJF03	Beck_3	-	-	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
Beckjord 4	BECKJF04	Beck_4	-	-	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
Beckjord 5	BECKJF05	Beck_5	-	-	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
Beckjord 6	BECKJF06	Beck_6	-	-	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
Beckjord GT1	BECKJG01	ECARFO2X	-	-	0.00	-	-	-	0.00	-	-	-	-	-
Beckjord GT2	BECKJG02	ECARFO2X	-	-	0.00	-	-	-	0.00	-	-	-	-	-
Beckjord GT3	BECKJG03	ECARFO2X	-	-	0.00	-	-	-	0.00	-	-	-	-	-
Beckjord GT4	BECKJG04	ECARFO2X	-	-	0.00	-	-	-	0.00	-	-	-	-	-
Conesville 4	CONESV04	Cone_4	-	-	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
Dicks Creek 1	DICKS 01	ECARNATG	-	-	0.00	-	-	-	0.00	-	-	-	-	-
Dicks Creek 3	DICKS 03	ECARNATG	-	-	0.00	-	-	-	0.00	-	-	-	-	-
Dicks Creek 4	DICKS 04	ECARFO2X	-	-	0.00	-	-	-	0.00	-	-	-	-	-
Dicks Creek 5	DICKS 05	ECARFO2X	-	-	0.00	-	-	-	0.00	-	-	-	-	-
East Bend 2	EAST B02	East_2	-	-	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Killer Station 2	KILLEN02	Kill_2	-	-	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
Miami Fort GT3	MIAMI 03	ECARFO2X	-	-	0.00	-	-	-	0.00	-	-	-	-	-
Miami Fort GT4	MIAMI 04	ECARFO2X	-	-	0.00	-	-	-	0.00	-	-	-	-	-
Miami Fort GT5	MIAMI 05	ECARFO2X	-	-	0.00	-	-	-	0.00	-	-	-	-	-
Miami Fort GT6	MIAMI 06	ECARFO2X	-	-	0.00	-	-	-	0.00	-	-	-	-	-
Miami Fort 5	MIAMI -5	Miam_5	-	-	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
Miami Fort 6	MIAMI -6	Miam_6	-	-	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
Miami Fort 7	MIAMI 07	Miam_7	-	-	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
Miami Fort 8	MIAMI 08	Miam_8	-	-	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
Stuart 1	STUART01	Stua_1	-	-	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
Stuart 2	STUART02	Stua_2	-	-	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
Stuart 3	STUART03	Stua_3	-	-	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
Stuart 4	STUART04	Stua_4	-	-	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
Woodsdale GT1	WOODSD01	ECARNATG	-	-	0.00	-	-	-	0.00	-	-	-	-	-
Woodsdale GT2	WOODSD02	ECARNATG	-	-	0.00	-	-	-	0.00	-	-	-	-	-
Woodsdale GT3	WOODSD03	ECARNATG	-	-	0.00	-	-	-	0.00	-	-	-	-	-
Woodsdale GT4	WOODSD04	ECARNATG	-	-	0.00	-	-	-	0.00	-	-	-	-	-
Woodsdale GT5	WOODSD05	ECARNATG	-	-	0.00	-	-	-	0.00	-	-	-	-	-
Woodsdale GT6	WOODSD06	ECARNATG	-	-	0.00	-	-	-	0.00	-	-	-	-	-
Zimmer 1	ZIMMER01	Zimm_ST1	-	-	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
ECARFO2X			-	-	-	-	-	-	-	-	-	-	-	-
ECARNATG			-	-	-	-	-	-	-	-	-	-	-	-

See direct testimony and exhibits of James M. Speyer regarding SO₂ emissions rate.

**CONFIDENTIAL PROPRIETARY
TRADE SECRET**

**Base Fuel Prices
& NO_x/CO₂/SO₂ Emission Rates**

WP
HWP-5

			<u>1999</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>
NO_x Rate (lbs/mmBtu)														
		Start Year												
Beckjord 1	BECKJF01	2003	-	-	-	-	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
Beckjord 2	BECKJF02	2003	-	-	-	-	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Beckjord 3	BECKJF03	2003	-	-	-	-	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
Beckjord 4	BECKJF04	2003	-	-	-	-	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Beckjord 5	BECKJF05	2003	-	-	-	-	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
Beckjord 6	BECKJF06	2003	-	-	-	-	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
Beckjord GT1	BECKJG01	2003	-	-	-	-	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Beckjord GT2	BECKJG02	2003	-	-	-	-	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Beckjord GT3	BECKJG03	2003	-	-	-	-	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Beckjord GT4	BECKJG04	2003	-	-	-	-	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Conesville 4	CONESV04	2003	-	-	-	-	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Dicks Creek 1	DICKS 01	2003	-	-	-	-	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Dicks Creek 3	DICKS 03	2003	-	-	-	-	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Dicks Creek 4	DICKS 04	2003	-	-	-	-	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Dicks Creek 5	DICKS 05	2003	-	-	-	-	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
East Bend 2	EAST B02	2003	-	-	-	-	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Killen Station 2	KILLEN02	2003	-	-	-	-	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Miami Fort GT3	MIAMI 03	2003	-	-	-	-	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Miami Fort GT4	MIAMI 04	2003	-	-	-	-	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Miami Fort GT5	MIAMI 05	2003	-	-	-	-	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Miami Fort GT6	MIAMI 06	2003	-	-	-	-	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Miami Fort 5	MIAMI -5	2003	-	-	-	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Miami Fort 6	MIAMI -6	2003	-	-	-	-	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
Miami Fort 7	MIAMI 07	2003	-	-	-	-	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Miami Fort 8	MIAMI 08	2003	-	-	-	-	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Stuart 1	STUART01	2003	-	-	-	-	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Stuart 2	STUART02	2003	-	-	-	-	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Stuart 3	STUART03	2003	-	-	-	-	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Stuart 4	STUART04	2003	-	-	-	-	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Woodsdale GT1	WOODSD01	2003	-	-	-	-	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Woodsdale GT2	WOODSD02	2003	-	-	-	-	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Woodsdale GT3	WOODSD03	2003	-	-	-	-	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Woodsdale GT4	WOODSD04	2003	-	-	-	-	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Woodsdale GT5	WOODSD05	2003	-	-	-	-	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Woodsdale GT6	WOODSD06	2003	-	-	-	-	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Zimmer 1	ZIMMER01	2003	-	-	-	-	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
ECARF02X			-	-	-	-	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
ECARNATG			-	-	-	-	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10

See direct testimony and exhibits of James M. Speyer regarding NO_x emissions rate.

**CONFIDENTIAL PROPRIETARY
TRADE SECRET**

**Base Fuel Prices
& NO_x/CO₂/SO₂ Emission Rates**

WP
HWP-5

				1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
CO2 Rate (lbs/mmBtu)															
Coal				207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90	207.90
Gas				117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
Distillate Oil				161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30	161.30
		Unit Type	Start Year												
Beckjord 1	BECKJF01	Coal	2009	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Beckjord 2	BECKJF02	Coal	2009	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Beckjord 3	BECKJF03	Coal	2009	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Beckjord 4	BECKJF04	Coal	2009	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Beckjord 5	BECKJF05	Coal	2009	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Beckjord 6	BECKJF06	Coal	2009	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Beckjord GT1	BECKJG01	Distillate Oil	2009	-	-	-	-	-	-	-	-	-	-	161.30	161.30
Beckjord GT2	BECKJG02	Distillate Oil	2009	-	-	-	-	-	-	-	-	-	-	161.30	161.30
Beckjord GT3	BECKJG03	Distillate Oil	2009	-	-	-	-	-	-	-	-	-	-	161.30	161.30
Beckjord GT4	BECKJG04	Distillate Oil	2009	-	-	-	-	-	-	-	-	-	-	161.30	161.30
Conesville 4	CONESV04	Coal	2009	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Dicks Creek 1	DICKS 01	Gas	2009	-	-	-	-	-	-	-	-	-	-	117.00	117.00
Dicks Creek 3	DICKS 03	Gas	2009	-	-	-	-	-	-	-	-	-	-	117.00	117.00
Dicks Creek 4	DICKS 04	Distillate Oil	2009	-	-	-	-	-	-	-	-	-	-	161.30	161.30
Dicks Creek 5	DICKS 05	Distillate Oil	2009	-	-	-	-	-	-	-	-	-	-	161.30	161.30
East Bend 2	EAST 802	Coal	2009	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Killen Station 2	KILLEN02	Coal	2009	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Miami Fort GT3	MIAMI 03	Distillate Oil	2009	-	-	-	-	-	-	-	-	-	-	161.30	161.30
Miami Fort GT4	MIAMI 04	Distillate Oil	2009	-	-	-	-	-	-	-	-	-	-	161.30	161.30
Miami Fort GT5	MIAMI 05	Distillate Oil	2009	-	-	-	-	-	-	-	-	-	-	161.30	161.30
Miami Fort GT6	MIAMI 06	Distillate Oil	2009	-	-	-	-	-	-	-	-	-	-	161.30	161.30
Miami Fort 5	MIAMI -5	Coal	2009	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Miami Fort 6	MIAMI -6	Coal	2009	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Miami Fort 7	MIAMI 07	Coal	2009	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Miami Fort 8	MIAMI 08	Coal	2009	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Stuart 1	STUART01	Coal	2009	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Stuart 2	STUART02	Coal	2009	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Stuart 3	STUART03	Coal	2009	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Stuart 4	STUART04	Coal	2009	-	-	-	-	-	-	-	-	-	-	207.90	207.90
Woodsdale GT1	WOODSD01	Gas	2009	-	-	-	-	-	-	-	-	-	-	117.00	117.00
Woodsdale GT2	WOODSD02	Gas	2009	-	-	-	-	-	-	-	-	-	-	117.00	117.00
Woodsdale GT3	WOODSD03	Gas	2009	-	-	-	-	-	-	-	-	-	-	117.00	117.00
Woodsdale GT4	WOODSD04	Gas	2009	-	-	-	-	-	-	-	-	-	-	117.00	117.00
Woodsdale GT5	WOODSD05	Gas	2009	-	-	-	-	-	-	-	-	-	-	117.00	117.00
Woodsdale GT6	WOODSD06	Gas	2009	-	-	-	-	-	-	-	-	-	-	117.00	117.00
Zimmer 1	ZIMMER01	Coal	2009	-	-	-	-	-	-	-	-	-	-	207.90	207.90
ECARNATG		Gas	2009	-	-	-	-	-	-	-	-	-	-	117.00	117.00

See direct testimony and exhibits of James M. Speyer regarding CO₂ emissions rate.

**CONFIDENTIAL PROPRIETARY
TRADE SECRET**

SO2 Allowances Banked/Used/Purchased/Sold

WP
HWP-5

Emissions of SO2 from Cincinnati Gas & Electric
Fossil Fired Plants (in tons)¹

Unit	Capacity (MW)	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Beckjord 1	94	-	1,927	1,927	2,031	2,142	2,229	2,319	2,422	2,528	2,636	754	-
Beckjord 2	94	-	1,744	1,744	1,925	2,124	2,203	2,294	2,378	2,473	2,571	722	-
Beckjord 3	128	-	4,331	4,331	3,514	2,851	2,951	3,053	3,171	3,291	3,413	1,195	-
Beckjord 4	150	-	6,583	6,683	6,245	5,825	5,689	5,850	5,634	5,815	5,790	4,750	4,131
Beckjord 5	238	10,022	10,022	10,022	9,271	8,577	8,529	8,477	8,458	8,434	8,403	3,426	-
Beckjord 6	155	5,384	5,384	5,384	5,035	4,708	4,787	4,863	4,951	5,057	5,151	1,725	-
Beckjord GT1	47	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT2	47	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT3	47	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT4	47	-	-	-	-	-	-	-	-	-	-	-	-
Conesville 4	312	45,863	45,863	45,863	45,750	45,637	44,624	43,543	42,512	41,420	40,272	32,104	27,480
Dicks Creek 1	92	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 3	14	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 4	15	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 5	15	-	-	-	-	-	-	-	-	-	-	-	-
East Bend 2	414	7,785	7,785	7,785	7,786	7,787	7,798	7,805	7,822	7,834	7,839	7,293	7,752
Killen Station 2	198	-	8,666	8,666	8,691	8,715	8,731	8,742	8,804	8,859	8,907	8,248	8,285
Miami Fort GT3	14	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT4	14	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT6	14	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT8	14	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort 5	80	1,283	1,283	1,283	964	724	873	1,051	1,272	1,537	1,855	507	-
Miami Fort 6	163	15,973	15,973	15,973	15,748	15,526	15,311	15,078	14,952	14,799	14,620	12,914	12,207
Miami Fort 7	320	28,522	28,522	28,522	29,577	30,672	30,711	30,703	30,926	31,088	31,188	26,073	23,523
Miami Fort 8	320	-	12,331	12,331	12,970	13,642	13,743	13,836	14,010	14,176	14,332	12,630	12,065
Stuart 1	228	12,630	12,830	12,630	12,545	12,461	12,415	12,360	12,365	12,358	12,341	11,171	10,864
Stuart 2	228	12,337	12,337	12,337	12,384	12,431	12,359	12,278	12,256	12,223	12,180	11,306	11,277
Stuart 3	228	12,524	12,524	12,524	12,479	12,434	12,315	12,189	12,121	12,043	11,956	10,539	9,982
Stuart 4	228	12,529	12,529	12,529	12,666	12,805	12,723	12,631	12,602	12,561	12,509	11,269	10,919
Woodsdale GT1	77	-	-	-	-	-	-	-	-	-	-	-	-
Woodsdale GT2	77	-	-	-	-	-	-	-	-	-	-	-	-
Woodsdale GT3	77	-	-	-	-	-	-	-	-	-	-	-	-
Woodsdale GT4	77	-	-	-	-	-	-	-	-	-	-	-	-
Woodsdale GT5	77	-	-	-	-	-	-	-	-	-	-	-	-
Woodsdale GT6	77	-	-	-	-	-	-	-	-	-	-	-	-
Zimmer 1	605	-	11,727	11,727	11,761	11,794	11,788	11,774	11,782	11,781	11,770	10,980	11,728
Total CGE SO2 Emissions (Tons)		164,862	212,162	212,162	211,341	210,953	209,980	208,836	208,647	208,277	207,732	167,608	150,215

[1] 1999 and 2000 were assumed to have the same amount of emissions as 2001. Only Phase I affected units were given emissions in 1999.

CONFIDENTIAL PROPRIETARY
TRADE SECRET

**SO2 Allowances
Banked/Used/Purchased/Sold**

NP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
SO2 Emission Allowances by Unit												
Unit	CGE Phase I Allowances			CGE Phase II Allowances								
Beckjord 1	-	1,834	1,834	1,834	1,834	1,834	1,834	1,834	1,834	1,834	1,834	472
Beckjord 2	-	1,859	1,859	1,859	1,859	1,859	1,859	1,859	1,859	1,859	1,859	711
Beckjord 3	-	2,530	2,530	2,530	2,530	2,530	2,530	2,530	2,530	2,530	2,530	1,077
Beckjord 4	-	3,261	3,261	3,261	3,261	3,261	3,261	3,261	3,261	3,261	3,261	2,141
Beckjord 5	9,811	3,857	3,857	3,857	3,857	3,857	3,857	3,857	3,857	3,857	3,857	3,864
Beckjord 6	9,236	3,631	3,631	3,631	3,631	3,631	3,631	3,631	3,631	3,631	3,631	3,639
Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-
Conesville 4	21,342	8,393	8,393	8,393	8,393	8,393	8,393	8,393	8,393	8,393	8,393	8,410
Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-
East Bend 2	12,277	12,888	12,888	12,888	12,888	12,888	12,888	12,888	12,888	12,888	12,888	12,916
Killen Station 2	-	4,796	4,796	4,796	4,796	4,796	4,796	4,796	4,796	4,796	4,796	4,806
Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort 5	834	288	288	288	288	288	288	288	288	288	288	286
Miami Fort 6	12,475	4,906	4,906	4,906	4,906	4,906	4,906	4,906	4,906	4,906	4,906	4,917
Miami Fort 7	27,048	10,637	10,637	10,637	10,637	10,637	10,637	10,637	10,637	10,637	10,637	10,658
Miami Fort 8	-	11,623	11,623	11,623	11,623	11,623	11,623	11,623	11,623	11,623	11,623	11,647
Stuart 1	18,474	7,850	7,850	7,850	7,850	7,850	7,850	7,850	7,850	7,850	7,850	7,866
Stuart 2	15,622	7,445	7,445	7,445	7,445	7,445	7,445	7,445	7,445	7,445	7,445	7,460
Stuart 3	15,220	7,253	7,253	7,253	7,253	7,253	7,253	7,253	7,253	7,253	7,253	7,268
Stuart 4	16,619	7,918	7,918	7,918	7,918	7,918	7,918	7,918	7,918	7,918	7,918	7,934
Woodsdale GT1	-	294	294	294	294	294	294	294	294	294	294	295
Woodsdale GT2	-	294	294	294	294	294	294	294	294	294	294	295
Woodsdale GT3	-	294	294	294	294	294	294	294	294	294	294	295
Woodsdale GT4	-	294	294	294	294	294	294	294	294	294	294	295
Woodsdale GT5	-	294	294	294	294	294	294	294	294	294	294	295
Woodsdale GT6	-	294	294	294	294	294	294	294	294	294	294	295
Zimmer 1	-	7,509	7,509	7,509	7,509	7,509	7,509	7,509	7,509	7,509	7,509	7,524
Total CGE SO2 Allowances (Tons)	156,958	110,242	110,242	110,242	110,242	110,242	110,242	110,242	110,242	110,242	110,242	105,366

Source: 1999, 2000, and 2010 annual SO₂ allowances from Cinergy 1999 IRP

**CONFIDENTIAL PROPRIETARY
TRADE SECRET**

SO2 Allowances Banked/Used/Purchased/Sold

NP
HWP-5

		1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Other Annual Allowance Allotment	Bank Dec. 31												
Allowances Allocated from EPA		156,958	110,242	-	-	-	-	-	-	-	-	-	-
Allowances Used for Compliance		164,852	212,162	-	-	-	-	-	-	-	-	-	-
Purchases/Extension/Transfers in		94,050	(10,016)	1,839	-	11,531	-	23,490	-	-	-	-	-
Sales/Transfers out		-	-	-	-	-	-	-	-	-	-	-	-
Annual Allowance Position		86,156	(111,936)	1,839	-	11,531	-	23,490	-	-	-	-	-
Other Allowances Purchased		-	-	-	-	-	-	-	-	-	-	0	-
Disposition of Allowance Bank		-	-	11,777	11,777	11,777	11,777	11,777	11,777	11,777	11,777	-	-
Other Allowances Sold		-	-	1,839	-	11,531	-	23,490	-	-	-	-	-
Total Annual Allowance Position		-	-	13,616	11,777	23,309	11,777	35,267	11,777	11,777	11,777	(0)	-
Net Allowance Position (Bank) Dec. 31	119,999	206,155	94,219	82,441	70,664	58,887	47,109	35,332	23,655	11,777	(0)	-	-
Allowance Value (\$75/Ton)		-	-	197	213	231	250	270	291	314	338	365	393

Source: SO2 emission allowances bank and planned purchases and sales from Cinergy Asset Planning Department.

Other Annual Allowance Allotment Allocated by Quantity of 2001 Allowances Received													
Beckjord 1	-	-	227	196	388	196	587	196	196	196	196	(0)	-
Beckjord 2	-	-	230	199	393	199	596	199	199	199	199	(0)	-
Beckjord 3	-	-	312	270	535	270	809	270	270	270	270	(0)	-
Beckjord 4	-	-	403	348	689	348	1,043	348	348	348	348	(0)	-
Beckjord 5	-	-	476	412	815	412	1,234	412	412	412	412	(0)	-
Beckjord 6	-	-	448	388	768	388	1,182	388	388	388	388	(0)	-
Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-	-
Conesville 4	-	-	1,037	897	1,775	897	2,685	897	897	897	897	(0)	-
Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-	-
East Bend 2	-	-	1,592	1,377	2,725	1,377	4,123	1,377	1,377	1,377	1,377	(0)	-
Killen Station 2	-	-	592	512	1,014	512	1,534	512	512	512	512	(0)	-
Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort 5	-	-	38	31	61	31	92	31	31	31	31	(0)	-
Miami Fort 8	-	-	608	524	1,037	524	1,569	524	524	524	524	(0)	-
Miami Fort 7	-	-	1,314	1,136	2,249	1,136	3,403	1,136	1,136	1,136	1,136	(0)	-
Miami Fort 8	-	-	1,436	1,242	2,457	1,242	3,718	1,242	1,242	1,242	1,242	(0)	-
Stuart 1	-	-	970	839	1,660	839	2,511	839	839	839	839	(0)	-
Stuart 2	-	-	820	796	1,574	796	2,382	796	796	796	796	(0)	-
Stuart 3	-	-	896	775	1,534	775	2,320	775	775	775	775	(0)	-
Stuart 4	-	-	978	846	1,674	846	2,533	846	846	846	846	(0)	-
Woodsdale GT1	-	-	36	31	62	31	94	31	31	31	31	(0)	-
Woodsdale GT2	-	-	36	31	62	31	94	31	31	31	31	(0)	-
Woodsdale GT3	-	-	36	31	62	31	94	31	31	31	31	(0)	-
Woodsdale GT4	-	-	36	31	62	31	94	31	31	31	31	(0)	-
Woodsdale GT5	-	-	36	31	62	31	94	31	31	31	31	(0)	-
Woodsdale GT6	-	-	36	31	62	31	94	31	31	31	31	(0)	-
Zimmer 1	-	-	927	802	1,588	802	2,402	802	802	802	802	(0)	-
Total	-	-	13,616	11,777	23,309	11,777	35,267	11,777	11,777	11,777	11,777	(0)	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 Allowances
Banked/Used/Purchased/Sold

WP
HWP-5

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Net Annual SO2 Allowance Position												
Beckjord 1	-	-	134	(1)	80	(199)	102	(392)	(498)	(606)	1,080	472
Beckjord 2	-	-	344	133	128	(146)	170	(320)	(416)	(513)	1,137	711
Beckjord 3	-	-	(1,489)	(714)	214	(151)	286	(371)	(490)	(612)	1,335	1,077
Beckjord 4	-	-	(2,919)	(2,636)	(1,974)	(2,260)	(1,545)	(2,225)	(2,205)	(2,181)	(1,489)	(1,990)
Beckjord 5	-	-	(5,688)	(5,002)	(3,804)	(4,260)	(3,386)	(4,189)	(4,165)	(4,134)	431	3,864
Beckjord 6	-	-	(1,304)	(1,016)	(309)	(768)	(71)	(942)	(1,038)	(1,132)	1,908	3,639
Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-
Conesville 4	-	-	(36,433)	(36,480)	(35,469)	(35,395)	(32,465)	(33,223)	(32,130)	(30,982)	(23,711)	(19,070)
Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-
East Bend 2	-	-	6,695	6,479	7,826	6,467	9,206	6,443	6,431	6,426	5,595	5,164
Killen Station 2	-	-	(3,278)	(3,382)	(2,905)	(3,423)	(2,412)	(3,495)	(3,550)	(3,598)	(3,452)	(3,479)
Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort 5	-	-	(960)	(646)	(375)	(554)	(671)	(953)	(1,218)	(1,536)	(219)	286
Miami Fort 6	-	-	(10,461)	(10,318)	(9,582)	(9,881)	(8,603)	(9,522)	(9,369)	(9,190)	(8,008)	(7,290)
Miami Fort 7	-	-	(16,571)	(17,804)	(17,786)	(18,938)	(16,663)	(18,152)	(18,315)	(19,414)	(15,436)	(12,865)
Miami Fort 8	-	-	728	(105)	439	(878)	1,506	(1,146)	(1,311)	(1,467)	(1,007)	(418)
Stuart 1	-	-	(3,810)	(3,856)	(2,951)	(3,728)	(1,999)	(3,676)	(3,670)	(3,653)	(3,321)	(2,998)
Stuart 2	-	-	(3,972)	(4,144)	(3,412)	(4,118)	(2,451)	(4,015)	(3,983)	(3,939)	(3,861)	(3,817)
Stuart 3	-	-	(4,378)	(4,451)	(3,648)	(4,288)	(2,615)	(4,093)	(4,016)	(3,928)	(3,286)	(2,714)
Stuart 4	-	-	(3,633)	(3,902)	(3,213)	(3,859)	(2,180)	(3,638)	(3,797)	(3,745)	(3,351)	(2,885)
Woodsdale GT1	-	-	330	325	356	325	388	325	325	325	294	295
Woodsdale GT2	-	-	330	325	356	325	388	325	325	325	294	295
Woodsdale GT3	-	-	330	325	356	325	388	325	325	325	294	295
Woodsdale GT4	-	-	330	325	356	325	388	325	325	325	294	295
Woodsdale GT5	-	-	330	325	356	325	388	325	325	325	294	295
Woodsdale GT6	-	-	330	325	356	325	388	325	325	325	294	295
Zimmer 1	-	-	(3,291)	(3,448)	(2,697)	(3,477)	(1,863)	(3,471)	(3,470)	(3,459)	(3,471)	(4,204)
Total	-	-	(88,304)	(89,322)	(77,402)	(87,960)	(63,326)	(86,627)	(86,258)	(85,712)	(57,366)	(44,849)

CONFIDENTIAL PROPRIETARY
TRADE SECRET

SO2 Allowances Banked/Used/Purchased/Sold

WP
HWP-5

Emissions of SO2 from Cincinnati Gas & Electric
Fossil Fired Plants (in tons)¹

Unit	Capacity (MW)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Beckjord 1	94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 2	94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 3	128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 4	150	4,131	4,131	2,066	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 5	238	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 6	155	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT1	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT2	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT3	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT4	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Conesville 4	312	27,480	27,480	27,480	27,480	27,480	27,480	27,480	27,480	27,480	13,740	-	-	-	-	-
Dicks Creek 1	92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 3	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 4	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 5	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
East Bend 2	414	7,752	7,752	7,752	7,752	7,752	7,752	7,752	7,752	7,752	7,752	3,876	-	-	-	-
Kellen Station 2	198	8,285	8,285	8,285	8,285	8,285	8,285	8,285	8,285	8,285	8,285	8,285	8,285	8,285	8,285	4,142
Miami Fort GT3	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT4	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT5	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT6	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort 5	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort 6	163	12,207	12,207	12,207	12,207	6,104	-	-	-	-	-	-	-	-	-	-
Miami Fort 7	320	23,523	23,523	23,523	23,523	11,762	-	-	-	-	-	-	-	-	-	-
Miami Fort 8	320	12,065	12,065	12,065	12,065	12,065	12,065	12,065	8,033	-	-	-	-	-	-	-
Stuart 1	228	10,864	10,864	10,864	10,864	10,864	10,864	10,864	10,864	10,864	10,864	5,432	-	-	-	-
Stuart 2	228	11,277	11,277	11,277	11,277	11,277	11,277	11,277	11,277	11,277	11,277	5,639	-	-	-	-
Stuart 3	228	9,982	9,982	9,982	9,982	9,982	9,982	9,982	9,982	9,982	9,982	4,991	-	-	-	-
Stuart 4	228	10,919	10,919	10,919	10,919	10,919	10,919	10,919	10,919	10,919	10,919	5,460	-	-	-	-
Woodsdale GT1	77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Woodsdale GT2	77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Woodsdale GT3	77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Woodsdale GT4	77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Woodsdale GT5	77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Woodsdale GT6	77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zimmer 1	605	11,728	11,728	11,728	11,728	11,728	11,728	11,728	11,728	11,728	11,728	11,728	11,728	11,728	11,728	11,728
Total CGE SO2 Emissions (Tons)		150,215	150,215	148,149	146,084	128,218	110,353	110,353	104,321	98,288	84,548	45,410	20,013	20,013	20,013	15,871

[1] 1999 and 2000 were assumed to have the same amount

CONFIDENTIAL PROPRIETARY
TRADE SECRET

**SO2 Allowances
Banked/Used/Purchased/Sold**

P
HWP-6

SO2 Emission Allowances by Unit	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Init															
Leckjard 1	472	472	472	472	472	472	472	472	472	472	472	472	472	472	472
Leckjard 2	711	711	711	711	711	711	711	711	711	711	711	711	711	711	711
Leckjard 3	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077
Leckjard 4	2,141	2,141	2,141	2,141	2,141	2,141	2,141	2,141	2,141	2,141	2,141	2,141	2,141	2,141	2,141
Leckjard 5	3,864	3,864	3,864	3,864	3,864	3,864	3,864	3,864	3,864	3,864	3,864	3,864	3,864	3,864	3,864
Leckjard 6	3,639	3,639	3,639	3,639	3,639	3,639	3,639	3,639	3,639	3,639	3,639	3,639	3,639	3,639	3,639
Leckjard GT1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leckjard GT2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leckjard GT3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leckjard GT4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Donesville 4	8,410	8,410	8,410	8,410	8,410	8,410	8,410	8,410	8,410	8,410	8,410	8,410	8,410	8,410	8,410
Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
East Bend 2	12,916	12,916	12,916	12,916	12,916	12,916	12,916	12,916	12,916	12,916	12,916	12,916	12,916	12,916	12,916
Ellen Station 2	4,806	4,806	4,806	4,806	4,806	4,806	4,806	4,806	4,806	4,806	4,806	4,806	4,806	4,806	4,806
Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort 5	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286
Miami Fort 6	4,917	4,917	4,917	4,917	4,917	4,917	4,917	4,917	4,917	4,917	4,917	4,917	4,917	4,917	4,917
Miami Fort 7	10,658	10,658	10,658	10,658	10,658	10,658	10,658	10,658	10,658	10,658	10,658	10,658	10,658	10,658	10,658
Miami Fort 8	11,647	11,647	11,647	11,647	11,647	11,647	11,647	11,647	11,647	11,647	11,647	11,647	11,647	11,647	11,647
Stuart 1	7,866	7,866	7,866	7,866	7,866	7,866	7,866	7,866	7,866	7,866	7,866	7,866	7,866	7,866	7,866
Stuart 2	7,460	7,460	7,460	7,460	7,460	7,460	7,460	7,460	7,460	7,460	7,460	7,460	7,460	7,460	7,460
Stuart 3	7,268	7,268	7,268	7,268	7,268	7,268	7,268	7,268	7,268	7,268	7,268	7,268	7,268	7,268	7,268
Stuart 4	7,934	7,934	7,934	7,934	7,934	7,934	7,934	7,934	7,934	7,934	7,934	7,934	7,934	7,934	7,934
Woodsdale GT1	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295
Woodsdale GT2	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295
Woodsdale GT3	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295
Woodsdale GT4	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295
Woodsdale GT5	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295
Woodsdale GT6	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295
Zimmer 1	7,524	7,524	7,524	7,524	7,524	7,524	7,524	7,524	7,524	7,524	7,524	7,524	7,524	7,524	7,524
Total CGE SO2 Allowances (Tons)	105,366	105,366	105,366	105,366	105,366	105,366	105,366	105,366	105,366	105,366	105,366	105,366	105,366	105,366	105,366
Source: 1998, 2000, and 2010 annual SO ₂ allowances for															

**CONFIDENTIAL PROPRIETARY
TRADE SECRET**

SO2 Allowances Banked/Used/Purchased/Sold

HWP
HWP-6

		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Other Annual Allowance Allotment	Bank Dec. 31	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Allowances Allocated from EPA		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Allowances Used for Compliance		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Purchases/Extension/Transfers in		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Sales/Transfers out		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Annual Allowance Position		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Other Allowances Purchased		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Disposition of Allowance Bank		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Other Allowances Sold		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Total Annual Allowance Position		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Net Allowance Position (Bank) Dec. 31	119,999	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Allowance Value (\$/Tons)		393	393	393	393	393	393	393	393	393	393	393	393	393	393	393

Source: SO2 emission allowances bank and planned pu

Other Annual Allowance Allotment																
Allocated by Quantity of 2001 Allowances Received																
Beckjord 1		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Beckjord 2		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Beckjord 3		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Beckjord 4		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Beckjord 5		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Beckjord 6		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Beckjord GT1		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Beckjord GT2		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Beckjord GT3		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Beckjord GT4		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Jonesville 4		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Dicks Creek 1		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Dicks Creek 3		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Dicks Creek 4		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Dicks Creek 5		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
East Bend 2		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Gillen Station 2		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Miami Fort GT3		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Miami Fort GT4		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Miami Fort GT5		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Miami Fort GT6		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Miami Fort 5		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Miami Fort 6		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Miami Fort 7		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Miami Fort 8		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Stuart 1		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Stuart 2		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Stuart 3		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Stuart 4		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Woodsdale GT1		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Woodsdale GT2		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Woodsdale GT3		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Woodsdale GT4		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Woodsdale GT5		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Woodsdale GT6		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Zimmer 1		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Total		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

CONFIDENTIAL PROPRIETARY
TRADE SECRET

**SO2 Allowances
Banked/Used/Purchased/Sold**

HWP-5

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Net Annual SO2 Allowance Position															
Beckjord 1	472	472	472	472	472	472	472	472	472	472	472	472	472	472	472
Beckjord 2	711	711	711	711	711	711	711	711	711	711	711	711	711	711	711
Beckjord 3	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077
Beckjord 4	(1,990)	(1,990)	75	2,141	2,141	2,141	2,141	2,141	2,141	2,141	2,141	2,141	2,141	2,141	2,141
Beckjord 5	3,864	3,864	3,864	3,864	3,864	3,864	3,864	3,864	3,864	3,864	3,864	3,864	3,864	3,864	3,864
Beckjord 6	3,639	3,639	3,639	3,639	3,639	3,639	3,639	3,639	3,639	3,639	3,639	3,639	3,639	3,639	3,639
Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Conesville 4	(19,070)	(19,070)	(19,070)	(19,070)	(19,070)	(19,070)	(19,070)	(19,070)	(19,070)	(5,330)	8,410	8,410	8,410	8,410	8,410
Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
East Bend 2	5,164	5,164	5,164	5,164	5,164	5,164	5,164	5,164	5,164	5,164	9,040	12,916	12,916	12,916	12,916
Kilen Station 2	(3,479)	(3,479)	(3,479)	(3,479)	(3,479)	(3,479)	(3,479)	(3,479)	(3,479)	(3,479)	(3,479)	(3,479)	(3,479)	(3,479)	664
Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort 5	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286
Miami Fort 6	(7,290)	(7,290)	(7,290)	(7,290)	(1,187)	4,917	4,917	4,917	4,917	4,917	4,917	4,917	4,917	4,917	4,917
Miami Fort 7	(12,865)	(12,865)	(12,865)	(12,865)	(1,104)	10,658	10,658	10,658	10,658	10,658	10,658	10,658	10,658	10,658	10,658
Miami Fort 8	(418)	(418)	(418)	(418)	(418)	(418)	(418)	5,614	11,647	11,647	11,647	11,647	11,647	11,647	11,647
Stuart 1	(2,998)	(2,998)	(2,998)	(2,998)	(2,998)	(2,998)	(2,998)	(2,998)	(2,998)	(2,998)	2,434	7,866	7,866	7,866	7,866
Stuart 2	(3,817)	(3,817)	(3,817)	(3,817)	(3,817)	(3,817)	(3,817)	(3,817)	(3,817)	(3,817)	1,821	7,460	7,460	7,460	7,460
Stuart 3	(2,714)	(2,714)	(2,714)	(2,714)	(2,714)	(2,714)	(2,714)	(2,714)	(2,714)	(2,714)	2,277	7,268	7,268	7,268	7,268
Stuart 4	(2,985)	(2,985)	(2,985)	(2,985)	(2,985)	(2,985)	(2,985)	(2,985)	(2,985)	(2,985)	2,474	7,934	7,934	7,934	7,934
Woodsdale GT1	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295
Woodsdale GT2	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295
Woodsdale GT3	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295
Woodsdale GT4	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295
Woodsdale GT5	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295
Woodsdale GT6	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295
Zimmer 1	(4,204)	(4,204)	(4,204)	(4,204)	(4,204)	(4,204)	(4,204)	(4,204)	(4,204)	(4,204)	(4,204)	(4,204)	(4,204)	(4,204)	(4,204)
Total	(44,849)	(44,849)	(42,783)	(40,718)	(22,852)	(4,987)	(4,987)	1,045	7,078	20,818	59,956	85,353	85,353	85,353	89,495

**CONFIDENTIAL PROPRIETARY
TRADE SECRET**

**SO2 Allowances
Banked/Used/Purchased/Sold**

HWP
HWP-5

Emissions of SO2 from Cincinnati Gas & Electric
Fossil Fired Plants (in tons)¹

Unit	Capacity (MW)	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Beckjord 1	94	-	-	-	-	-	-	-	-	-	-
Beckjord 2	94	-	-	-	-	-	-	-	-	-	-
Beckjord 3	128	-	-	-	-	-	-	-	-	-	-
Beckjord 4	150	-	-	-	-	-	-	-	-	-	-
Beckjord 5	238	-	-	-	-	-	-	-	-	-	-
Beckjord 6	155	-	-	-	-	-	-	-	-	-	-
Beckjord GT1	47	-	-	-	-	-	-	-	-	-	-
Beckjord GT2	47	-	-	-	-	-	-	-	-	-	-
Beckjord GT3	47	-	-	-	-	-	-	-	-	-	-
Beckjord GT4	47	-	-	-	-	-	-	-	-	-	-
Conesville 4	312	-	-	-	-	-	-	-	-	-	-
Dicks Creek 1	92	-	-	-	-	-	-	-	-	-	-
Dicks Creek 3	14	-	-	-	-	-	-	-	-	-	-
Dicks Creek 4	15	-	-	-	-	-	-	-	-	-	-
Dicks Creek 5	15	-	-	-	-	-	-	-	-	-	-
East Bend 2	414	-	-	-	-	-	-	-	-	-	-
Killen Station 2	198	-	-	-	-	-	-	-	-	-	-
Miami Fort GT3	14	-	-	-	-	-	-	-	-	-	-
Miami Fort GT4	14	-	-	-	-	-	-	-	-	-	-
Miami Fort GT5	14	-	-	-	-	-	-	-	-	-	-
Miami Fort GT6	14	-	-	-	-	-	-	-	-	-	-
Miami Fort 5	80	-	-	-	-	-	-	-	-	-	-
Miami Fort 6	163	-	-	-	-	-	-	-	-	-	-
Miami Fort 7	320	-	-	-	-	-	-	-	-	-	-
Miami Fort 8	320	-	-	-	-	-	-	-	-	-	-
Stuart 1	228	-	-	-	-	-	-	-	-	-	-
Stuart 2	228	-	-	-	-	-	-	-	-	-	-
Stuart 3	228	-	-	-	-	-	-	-	-	-	-
Stuart 4	228	-	-	-	-	-	-	-	-	-	-
Woodsdale GT1	77	-	-	-	-	-	-	-	-	-	-
Woodsdale GT2	77	-	-	-	-	-	-	-	-	-	-
Woodsdale GT3	77	-	-	-	-	-	-	-	-	-	-
Woodsdale GT4	77	-	-	-	-	-	-	-	-	-	-
Woodsdale GT5	77	-	-	-	-	-	-	-	-	-	-
Woodsdale GT6	77	-	-	-	-	-	-	-	-	-	-
Zimmer 1	606	11,728	11,728	11,728	11,728	11,728	5,864	-	-	-	-
Total CGE SO2 Emissions (Tons)		11,728	11,728	11,728	11,728	11,728	5,864	-	-	-	-

[1] 1999 and 2000 were assumed to have the same amount

**CONFIDENTIAL PROPRIETARY
TRADE SECRET**

**SO2 Allowances
Banked/Used/Purchased/Sold**

WP
HWP-5

	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>	<u>2033</u>	<u>2034</u>	<u>2035</u>
SO2 Emission Allowances by Unit										
<u>Unit</u>										
Beckjord 1	472	472	472	472	472	472	472	472	472	472
Beckjord 2	711	711	711	711	711	711	711	711	711	711
Beckjord 3	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077
Beckjord 4	2,141	2,141	2,141	2,141	2,141	2,141	2,141	2,141	2,141	2,141
Beckjord 5	3,864	3,864	3,864	3,864	3,864	3,864	3,864	3,864	3,864	3,864
Beckjord 6	3,639	3,639	3,639	3,639	3,639	3,639	3,639	3,639	3,639	3,639
Beckjord GT1	-	-	-	-	-	-	-	-	-	-
Beckjord GT2	-	-	-	-	-	-	-	-	-	-
Beckjord GT3	-	-	-	-	-	-	-	-	-	-
Beckjord GT4	-	-	-	-	-	-	-	-	-	-
Conesville 4	8,410	8,410	8,410	8,410	8,410	8,410	8,410	8,410	8,410	8,410
Dicks Creek 1	-	-	-	-	-	-	-	-	-	-
Dicks Creek 3	-	-	-	-	-	-	-	-	-	-
Dicks Creek 4	-	-	-	-	-	-	-	-	-	-
Dicks Creek 5	-	-	-	-	-	-	-	-	-	-
East Bend 2	12,916	12,916	12,916	12,916	12,916	12,916	12,916	12,916	12,916	12,916
Killen Station 2	4,806	4,806	4,806	4,806	4,806	4,806	4,806	4,806	4,806	4,806
Miami Fort GT9	-	-	-	-	-	-	-	-	-	-
Miami Fort GT4	-	-	-	-	-	-	-	-	-	-
Miami Fort GT5	-	-	-	-	-	-	-	-	-	-
Miami Fort GT6	-	-	-	-	-	-	-	-	-	-
Miami Fort 5	286	286	286	286	286	286	286	286	286	286
Miami Fort 6	4,917	4,917	4,917	4,917	4,917	4,917	4,917	4,917	4,917	4,917
Miami Fort 7	10,658	10,658	10,658	10,658	10,658	10,658	10,658	10,658	10,658	10,658
Miami Fort 8	11,647	11,647	11,647	11,647	11,647	11,647	11,647	11,647	11,647	11,647
Stuart 1	7,866	7,866	7,866	7,866	7,866	7,866	7,866	7,866	7,866	7,866
Stuart 2	7,460	7,460	7,460	7,460	7,460	7,460	7,460	7,460	7,460	7,460
Stuart 3	7,268	7,268	7,268	7,268	7,268	7,268	7,268	7,268	7,268	7,268
Stuart 4	7,934	7,934	7,934	7,934	7,934	7,934	7,934	7,934	7,934	7,934
Woodsdale GT1	295	295	295	295	295	295	295	295	295	295
Woodsdale GT2	295	295	295	295	295	295	295	295	295	295
Woodsdale GT3	295	295	295	295	295	295	295	295	295	295
Woodsdale GT4	295	295	295	295	295	295	295	295	295	295
Woodsdale GT5	295	295	295	295	295	295	295	295	295	295
Woodsdale GT6	295	295	295	295	295	295	295	295	295	295
Zimmer 1	7,524	7,524	7,524	7,524	7,524	7,524	7,524	7,524	7,524	7,524
Total CGE SO2 Allowances (Tons)	105,366	105,366	105,366	105,366	105,366	105,366	105,366	105,366	105,366	105,366

Source: 1999, 2000, and 2010 annual SO₂ allowances for

**CONFIDENTIAL PROPRIETARY
TRADE SECRET**

SO2 Allowances Banked/Used/Purchased/Sold

WP
HWP-5

		2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Other Annual Allowance Allotment	Bank Dec. 31										
Allowances Allocated from EPA		.	.	.	.	.	.	.	.	.	.
Allowances Used for Compliance		.	.	.	.	.	.	.	.	.	.
Purchases/Extension/Transfers in		.	.	.	.	.	.	.	.	.	.
Sales/Transfers out		.	.	.	.	.	.	.	.	.	.
Annual Allowance Position		.	.	.	.	.	.	.	.	.	.
Other Allowances Purchased		.	.	.	.	.	.	.	.	.	.
Disposition of Allowance Bank		.	.	.	.	.	.	.	.	.	.
Other Allowances Sold		.	.	.	.	.	.	.	.	.	.
Total Annual Allowance Position		.	.	.	.	.	.	.	.	.	.
Net Allowance Position (Bank) Dec. 31	119,999										
Allowance Value (97\$/Ton)		393	393	393	393	393	393	393	393	393	393

Source: SO2 emission allowances bank and planned pu

Other Annual Allowance Allotment											
Allocated by Quantity of 2001 Allowances Received											
Beckjord 1		.	.	.	.	.	.	.	.	.	.
Beckjord 2		.	.	.	.	.	.	.	.	.	.
Beckjord 3		.	.	.	.	.	.	.	.	.	.
Beckjord 4		.	.	.	.	.	.	.	.	.	.
Beckjord 5		.	.	.	.	.	.	.	.	.	.
Beckjord 6		.	.	.	.	.	.	.	.	.	.
Beckjord GT1		.	.	.	.	.	.	.	.	.	.
Beckjord GT2		.	.	.	.	.	.	.	.	.	.
Beckjord GT3		.	.	.	.	.	.	.	.	.	.
Beckjord GT4		.	.	.	.	.	.	.	.	.	.
Conesville 4		.	.	.	.	.	.	.	.	.	.
Dicks Creek 1		.	.	.	.	.	.	.	.	.	.
Dicks Creek 3		.	.	.	.	.	.	.	.	.	.
Dicks Creek 4		.	.	.	.	.	.	.	.	.	.
Dicks Creek 5		.	.	.	.	.	.	.	.	.	.
East Bend 2		.	.	.	.	.	.	.	.	.	.
Killen Station 2		.	.	.	.	.	.	.	.	.	.
Miami Fort GT3		.	.	.	.	.	.	.	.	.	.
Miami Fort GT4		.	.	.	.	.	.	.	.	.	.
Miami Fort GT5		.	.	.	.	.	.	.	.	.	.
Miami Fort GT6		.	.	.	.	.	.	.	.	.	.
Miami Fort 5		.	.	.	.	.	.	.	.	.	.
Miami Fort 6		.	.	.	.	.	.	.	.	.	.
Miami Fort 7		.	.	.	.	.	.	.	.	.	.
Miami Fort 8		.	.	.	.	.	.	.	.	.	.
Stuart 1		.	.	.	.	.	.	.	.	.	.
Stuart 2		.	.	.	.	.	.	.	.	.	.
Stuart 3		.	.	.	.	.	.	.	.	.	.
Stuart 4		.	.	.	.	.	.	.	.	.	.
Woodsdale GT1		.	.	.	.	.	.	.	.	.	.
Woodsdale GT2		.	.	.	.	.	.	.	.	.	.
Woodsdale GT3		.	.	.	.	.	.	.	.	.	.
Woodsdale GT4		.	.	.	.	.	.	.	.	.	.
Woodsdale GT5		.	.	.	.	.	.	.	.	.	.
Woodsdale GT6		.	.	.	.	.	.	.	.	.	.
Zimmer 1		.	.	.	.	.	.	.	.	.	.
Total		.	.	.	.	.	.	.	.	.	.

CONFIDENTIAL PROPRIETARY
TRADE SECRET

**SO2 Allowances
Banked/Used/Purchased/Sold**

HWP-5

<u>Net Annual SO2 Allowance Position</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>	<u>2033</u>	<u>2034</u>	<u>2035</u>
Beckjord 1	472	472	472	472	472	472	472	472	472	472
Beckjord 2	711	711	711	711	711	711	711	711	711	711
Beckjord 3	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077
Beckjord 4	2,141	2,141	2,141	2,141	2,141	2,141	2,141	2,141	2,141	2,141
Beckjord 5	3,864	3,864	3,864	3,864	3,864	3,864	3,864	3,864	3,864	3,864
Beckjord 6	3,639	3,639	3,639	3,639	3,639	3,639	3,639	3,639	3,639	3,639
Beckjord GT1	-	-	-	-	-	-	-	-	-	-
Beckjord GT2	-	-	-	-	-	-	-	-	-	-
Beckjord GT3	-	-	-	-	-	-	-	-	-	-
Beckjord GT4	-	-	-	-	-	-	-	-	-	-
Conesville 4	8,410	8,410	8,410	8,410	8,410	8,410	8,410	8,410	8,410	8,410
Dicks Creek 1	-	-	-	-	-	-	-	-	-	-
Dicks Creek 3	-	-	-	-	-	-	-	-	-	-
Dicks Creek 4	-	-	-	-	-	-	-	-	-	-
Dicks Creek 5	-	-	-	-	-	-	-	-	-	-
East Bend 2	12,916	12,916	12,916	12,916	12,916	12,916	12,916	12,916	12,916	12,916
Killen Station 2	4,806	4,806	4,806	4,806	4,806	4,806	4,806	4,806	4,806	4,806
Miami Fort GT3	-	-	-	-	-	-	-	-	-	-
Miami Fort GT4	-	-	-	-	-	-	-	-	-	-
Miami Fort GT5	-	-	-	-	-	-	-	-	-	-
Miami Fort GT6	-	-	-	-	-	-	-	-	-	-
Miami Fort 5	286	286	286	286	286	286	286	286	286	286
Miami Fort 6	4,917	4,917	4,917	4,917	4,917	4,917	4,917	4,917	4,917	4,917
Miami Fort 7	10,658	10,658	10,658	10,658	10,658	10,658	10,658	10,658	10,658	10,658
Miami Fort 8	11,647	11,647	11,647	11,647	11,647	11,647	11,647	11,647	11,647	11,647
Stuart 1	7,866	7,866	7,866	7,866	7,866	7,866	7,866	7,866	7,866	7,866
Stuart 2	7,460	7,460	7,460	7,460	7,460	7,460	7,460	7,460	7,460	7,460
Stuart 3	7,268	7,268	7,268	7,268	7,268	7,268	7,268	7,268	7,268	7,268
Stuart 4	7,934	7,934	7,934	7,934	7,934	7,934	7,934	7,934	7,934	7,934
Woodsdale GT1	295	295	295	295	295	295	295	295	295	295
Woodsdale GT2	295	295	295	295	295	295	295	295	295	295
Woodsdale GT3	295	295	295	295	295	295	295	295	295	295
Woodsdale GT4	295	295	295	295	295	295	295	295	295	295
Woodsdale GT5	295	295	295	295	295	295	295	295	295	295
Woodsdale GT6	295	295	295	295	295	295	295	295	295	295
Zimmer 1	(4,204)	(4,204)	(4,204)	(4,204)	(4,204)	1,660	7,524	7,524	7,524	7,524
Total	93,638	93,638	93,638	93,638	93,638	99,502	105,368	105,368	105,368	105,368

**CONFIDENTIAL PROPRIETARY
TRADE SECRET**

NOx Allowances Used/Purchased/Sold

WP
HWP-5

Emissions of NOx from Cincinnati Gas & Electric
Plants (OTR Region, ozone season)

Unit	Capacity (MW)	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Beckjord 1	94	-	-	164	171	178	185	194	202	58	-	-	-	-	-
Beckjord 2	94	-	-	158	164	170	177	184	191	54	-	-	-	-	-
Beckjord 3	128	-	-	410	424	439	456	473	490	172	-	-	-	-	-
Beckjord 4	150	-	-	518	515	511	510	508	506	415	361	361	361	180	-
Beckjord 5	238	-	-	894	889	883	881	879	876	357	-	-	-	-	-
Beckjord 6	155	-	-	469	477	485	495	504	513	172	-	-	-	-	-
Beckjord GT1	47	-	-	2	2	2	3	3	3	2	-	-	-	-	-
Beckjord GT2	47	-	-	2	2	2	3	3	3	2	-	-	-	-	-
Beckjord GT3	47	-	-	2	2	2	3	3	3	1	-	-	-	-	-
Beckjord GT4	47	-	-	2	2	2	3	3	3	1	-	-	-	-	-
Conesville 4	312	-	-	304	297	290	283	276	268	214	183	183	183	183	183
Dicks Creek 1	92	-	-	4	4	4	4	5	5	2	-	-	-	-	-
Dicks Creek 3	14	-	-	1	1	1	1	1	1	0	-	-	-	-	-
Dicks Creek 4	15	-	-	1	1	1	1	1	1	1	-	-	-	-	-
Dicks Creek 5	15	-	-	1	1	1	1	1	1	1	-	-	-	-	-
East Bend 2	414	-	-	389	386	390	394	399	392	365	388	388	388	388	388
Killen Station 2	198	-	-	272	273	273	275	277	278	258	259	259	259	259	259
Miami Fort GT3	14	-	-	1	1	1	1	1	1	1	-	-	-	-	-
Miami Fort GT4	14	-	-	0	1	1	1	1	1	1	-	-	-	-	-
Miami Fort GT5	14	-	-	1	1	1	1	1	1	0	-	-	-	-	-
Miami Fort GT6	14	-	-	1	1	1	1	1	1	1	-	-	-	-	-
Miami Fort 5	80	-	-	95	115	138	167	202	244	87	-	-	-	-	-
Miami Fort 6	163	-	-	522	515	507	503	498	492	434	410	410	410	410	410
Miami Fort 7	320	-	-	332	332	332	335	336	337	282	254	254	254	254	254
Miami Fort 8	320	-	-	346	348	351	355	359	363	320	306	306	306	306	306
Stuart 1	228	-	-	454	453	451	451	451	450	407	396	396	396	396	396
Stuart 2	228	-	-	453	451	448	447	446	444	412	411	411	411	411	411
Stuart 3	228	-	-	453	449	444	442	439	436	384	364	364	364	364	364
Stuart 4	228	-	-	400	398	395	394	393	391	352	341	341	341	341	341
Woodsdale GT1	77	-	-	4	4	4	4	4	4	4	4	4	4	4	4
Woodsdale GT2	77	-	-	4	4	4	4	4	4	4	3	3	3	3	3
Woodsdale GT3	77	-	-	4	4	4	4	4	4	4	4	4	4	4	4
Woodsdale GT4	77	-	-	3	3	4	4	4	4	4	4	4	4	4	4
Woodsdale GT5	77	-	-	4	4	4	4	4	4	4	4	4	4	4	4
Woodsdale GT6	77	-	-	4	4	4	4	4	3	4	4	4	4	4	4
Zimmer 1	605	-	-	637	637	636	636	636	636	593	633	633	633	633	633
Total CGE NOx Emissions (Tons)		-	-	7,309	7,336	7,363	7,428	7,494	7,561	5,351	4,331	4,331	4,331	4,150	3,970

CONFIDENTIAL PROPRIETARY
TRADE SECRET

**NOx Allowances
Used/Purchased/Sold**

WP
HWP-5

NOx Emission Allowances by Unit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Unit														
Beckjord 1	-	-	140	140	140	79	83	86	90	84	98	102	29	-
Beckjord 2	-	-	178	178	178	74	82	85	88	92	96	99	28	-
Beckjord 3	-	-	280	280	280	136	110	114	118	123	127	132	46	-
Beckjord 4	-	-	320	320	320	242	229	228	226	226	225	224	184	160
Beckjord 5	-	-	451	451	451	359	332	330	328	327	326	325	133	-
Beckjord 6	-	-	290	290	290	195	183	186	189	192	196	200	67	-
Beckjord GT1	-	-	5	5	5	1	1	2	2	2	2	2	1	-
Beckjord GT2	-	-	5	5	5	1	1	2	2	2	2	2	1	-
Beckjord GT3	-	-	5	5	5	1	1	2	2	2	2	2	1	-
Beckjord GT4	-	-	3	3	3	1	1	2	2	2	2	2	1	-
Conesville 4	-	-	386	386	386	623	621	607	593	579	564	548	437	374
Dicks Creek 1	-	-	5	5	5	2	5	6	6	6	7	7	4	-
Dicks Creek 3	-	-	1	1	1	0	1	1	1	1	1	1	1	-
Dicks Creek 4	-	-	1	1	1	0	0	1	1	1	1	1	0	-
Dicks Creek 5	-	-	1	1	1	0	0	1	1	1	1	1	0	-
East Bend 2	-	-	839	839	839	954	954	955	956	958	960	960	893	950
Killen Station 2	-	-	415	415	415	444	445	446	446	449	452	455	421	423
Miami Fort GT3	-	-	1	1	1	0	0	1	1	1	1	1	0	-
Miami Fort GT4	-	-	1	1	1	0	0	0	1	1	1	1	0	-
Miami Fort GT5	-	-	1	1	1	0	0	0	1	1	1	1	0	-
Miami Fort GT6	-	-	1	1	1	0	0	1	1	1	1	1	0	-
Miami Fort 6	-	-	33	33	33	21	16	19	23	27	33	40	11	-
Miami Fort 6	-	-	311	311	311	338	334	329	324	321	318	314	278	262
Miami Fort 7	-	-	577	577	577	636	658	660	660	665	668	670	560	506
Miami Fort 8	-	-	609	609	609	662	686	701	706	716	724	732	645	616
Stuart 1	-	-	401	401	401	480	477	475	473	473	473	472	428	418
Stuart 2	-	-	401	401	401	474	476	473	470	469	468	466	433	432
Stuart 3	-	-	401	401	401	478	476	471	467	464	461	458	403	382
Stuart 4	-	-	401	401	401	485	490	487	484	482	481	479	431	418
Woodsdale GT1	-	-	15	15	15	2	5	6	6	6	6	6	6	5
Woodsdale GT2	-	-	15	15	15	2	6	6	6	6	6	6	6	5
Woodsdale GT3	-	-	16	16	16	2	5	6	6	6	6	6	6	6
Woodsdale GT4	-	-	15	15	15	2	5	5	5	6	6	6	6	6
Woodsdale GT5	-	-	16	16	16	2	5	6	6	6	6	6	6	6
Woodsdale GT6	-	-	16	16	16	2	5	5	5	5	5	5	6	6
Zimmer 1	-	-	1,358	1,358	1,358	1,334	1,338	1,337	1,335	1,336	1,336	1,335	1,245	1,330
Baseline NOx Emissions from CGE Plants	-	-	7,913	7,913	7,913	8,032	8,047	8,039	8,027	8,047	8,062	8,071	6,718	6,303
Allowance Value (\$/97/ton)	3,000	3,000	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500

**CONFIDENTIAL PROPRIETARY
TRADE SECRET**

NOx Allowances Used/Purchased/Sold

WP
HWP-5

	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>
Net Annual NOx Allowance Position														
Beckjord 1	-	-	(24)	(31)	(38)	(107)	(111)	(118)	32	94	98	102	29	-
Beckjord 2	-	-	20	14	8	(103)	(102)	(108)	35	92	96	99	28	-
Beckjord 3	-	-	(130)	(144)	(159)	(320)	(363)	(376)	(54)	123	127	132	46	-
Beckjord 4	-	-	(198)	(195)	(191)	(268)	(278)	(278)	(189)	(135)	(136)	(137)	3	180
Beckjord 5	-	-	(443)	(438)	(432)	(523)	(547)	(546)	(29)	327	326	325	133	-
Beckjord 6	-	-	(179)	(187)	(195)	(299)	(322)	(328)	17	192	196	200	67	-
Beckjord GT1	-	-	3	3	3	(2)	(2)	(2)	0	2	2	2	1	-
Beckjord GT2	-	-	3	3	3	(2)	(2)	(2)	0	2	2	2	1	-
Beckjord GT3	-	-	3	3	3	(2)	(2)	(2)	0	2	2	2	1	-
Beckjord GT4	-	-	1	1	1	(2)	(1)	(2)	0	2	2	2	1	-
Conesville 4	-	-	81	88	95	339	345	339	379	395	381	365	254	191
Dicks Creek 1	-	-	2	1	1	(2)	0	1	4	6	7	7	4	-
Dicks Creek 3	-	-	0	0	0	(0)	0	0	1	1	1	1	1	-
Dicks Creek 4	-	-	0	0	0	(1)	(1)	(1)	0	1	1	1	0	-
Dicks Creek 5	-	-	0	0	0	(1)	(1)	(1)	0	1	1	1	0	-
East Bend 2	-	-	450	449	449	563	562	563	591	571	572	573	506	562
Killen Station 2	-	-	143	142	142	168	168	167	188	190	193	196	162	164
Miami Fort GT3	-	-	1	1	0	(1)	(1)	(1)	0	1	1	1	0	-
Miami Fort GT4	-	-	1	1	1	(1)	(1)	(1)	0	1	1	1	0	-
Miami Fort GT5	-	-	1	1	1	(1)	(0)	(0)	0	1	1	1	0	-
Miami Fort GT6	-	-	1	1	0	(1)	(1)	(1)	0	1	1	1	0	-
Miami Fort 5	-	-	(62)	(82)	(105)	(147)	(187)	(225)	(44)	27	33	40	11	-
Miami Fort 6	-	-	(211)	(204)	(196)	(164)	(164)	(163)	(110)	(89)	(92)	(96)	(133)	(148)
Miami Fort 7	-	-	245	244	244	301	323	323	378	410	414	416	306	251
Miami Fort 8	-	-	264	261	259	307	337	398	386	409	418	426	339	310
Stuart 1	-	-	(54)	(52)	(50)	29	26	25	66	77	77	78	32	20
Stuart 2	-	-	(53)	(50)	(47)	27	30	29	58	58	57	55	22	21
Stuart 3	-	-	(53)	(48)	(44)	36	37	36	82	100	97	94	40	18
Stuart 4	-	-	0	3	6	91	98	96	131	141	140	138	90	77
Woodsdale GT1	-	-	11	11	11	(2)	1	1	2	3	3	3	2	2
Woodsdale GT2	-	-	11	11	11	(2)	1	1	2	3	3	3	2	2
Woodsdale GT3	-	-	12	12	12	(1)	2	2	2	1	1	1	2	2
Woodsdale GT4	-	-	12	12	11	(2)	1	1	1	2	2	2	2	2
Woodsdale GT5	-	-	12	12	12	(2)	1	1	2	2	2	2	2	2
Woodsdale GT6	-	-	12	12	12	(1)	2	2	1	1	1	1	1	2
Zimmer 1	-	-	721	721	722	698	701	701	742	703	703	702	612	697
Total	-	-	804	577	550	605	553	478	2,675	3,717	3,731	3,740	2,567	2,333

See direct testimony and exhibits of James M. Speyer regarding NOx emission allowances.

**CONFIDENTIAL PROPRIETARY
TRADE SECRET**

NOx Allowances Used/Purchased/Sold

WP
HWP-5

Emissions of NOx from Cincinnati Gas & Electric
Plants (OTR Region, ozone season)

Unit	Capacity (MW)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Beckjord 1	94	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 2	94	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 3	128	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 4	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 5	238	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 6	155	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT1	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT2	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT3	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT4	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Conesville 4	312	183	183	183	183	183	92	-	-	-	-	-	-	-	-
Dicks Creek 1	92	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 3	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 4	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 5	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-
East Bend 2	414	388	388	388	388	388	388	184	-	-	-	-	-	-	-
Killen Station 2	198	259	259	259	259	259	259	259	259	259	259	129	-	-	-
Miami Fort GT3	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT4	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT5	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT6	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort 5	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort 6	163	205	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort 7	320	127	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort 8	320	306	306	306	153	-	-	-	-	-	-	-	-	-	-
Stuart 1	228	396	396	396	396	396	396	198	-	-	-	-	-	-	-
Stuart 2	228	411	411	411	411	411	411	206	-	-	-	-	-	-	-
Stuart 3	228	364	364	364	364	364	364	182	-	-	-	-	-	-	-
Stuart 4	228	341	341	341	341	341	341	171	-	-	-	-	-	-	-
Woodsdale GT1	77	4	4	4	4	4	4	4	4	4	4	4	4	4	2
Woodsdale GT2	77	3	3	3	3	3	3	3	3	3	3	3	3	2	-
Woodsdale GT3	77	4	4	4	4	4	4	4	4	4	4	4	4	2	-
Woodsdale GT4	77	4	4	4	4	4	4	4	4	4	4	4	4	2	-
Woodsdale GT5	77	4	4	4	4	4	4	4	4	4	4	4	4	2	-
Woodsdale GT6	77	4	4	4	4	4	4	4	4	4	4	4	4	2	-
Zimmer 1	605	633	633	633	633	633	633	633	633	633	633	633	633	633	633
Total CGE NOx Emissions (Tons)		3,637	3,305	3,305	3,152	2,999	2,907	1,866	916	916	916	786	657	647	635

CONFIDENTIAL PROPRIETARY
TRADE SECRET

**NOx Allowances
Used/Purchased/Sold**

WP
HWP-5

NOx Emission Allowances by Unit	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
<u>Unit</u>														
Beckjord 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 4	160	160	80	-	-	-	-	-	-	-	-	-	-	-
Beckjord 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Conesville 4	374	374	374	374	374	374	374	374	374	187	-	-	-	-
Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
East Bend 2	950	950	950	950	950	950	950	950	950	950	475	-	-	-
Killen Station 2	423	423	423	423	423	423	423	423	423	423	423	423	423	423
Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort 6	262	262	262	262	131	-	-	-	-	-	-	-	-	-
Miami Fort 7	506	506	506	506	253	-	-	-	-	-	-	-	-	-
Miami Fort 8	616	616	616	616	616	616	616	308	-	-	-	-	-	-
Stuart 1	416	416	416	416	416	416	416	416	416	416	208	-	-	-
Stuart 2	432	432	432	432	432	432	432	432	432	432	216	-	-	-
Stuart 3	382	382	382	382	382	382	382	382	382	382	191	-	-	-
Stuart 4	418	418	418	418	418	418	418	418	418	418	209	-	-	-
Woodsdale GT1	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Woodsdale GT2	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Woodsdale GT3	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Woodsdale GT4	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Woodsdale GT5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Woodsdale GT6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Zimmer 1	1,330	1,330	1,330	1,330	1,330	1,330	1,330	1,330	1,330	1,330	1,330	1,330	1,330	1,330
Baseline NOx Emissions from CGE Plants	6,303	6,303	6,223	6,143	5,759	5,375	5,375	5,067	4,759	4,572	3,086	1,788	1,788	1,788
Allowance Value (\$/97/ton)	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500

**CONFIDENTIAL PROPRIETARY
TRADE SECRET**

NOx Allowances Used/Purchased/Sold

WP
HWP-5

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Net Annual NOx Allowance Position														
Beckjord 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 4	160	160	80	-	-	-	-	-	-	-	-	-	-	-
Beckjord 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord 6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beckjord GT4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Conesville 4	191	191	191	191	191	282	374	374	374	187	-	-	-	-
Dicks Creek 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicks Creek 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
East Bend 2	562	562	562	562	562	562	756	950	950	950	475	-	-	-
Killen Station 2	164	164	164	164	164	164	164	164	164	164	293	423	423	423
Miami Fort GT3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort GT6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miami Fort 6	57	262	262	262	131	-	-	-	-	-	-	-	-	-
Miami Fort 7	378	506	506	506	253	-	-	-	-	-	-	-	-	-
Miami Fort 8	310	310	310	463	616	616	616	308	-	-	-	-	-	-
Stuart 1	20	20	20	20	20	20	218	416	416	416	208	-	-	-
Stuart 2	21	21	21	21	21	21	226	432	432	432	216	-	-	-
Stuart 3	18	18	18	18	18	18	200	382	382	382	191	-	-	-
Stuart 4	77	77	77	77	77	77	247	418	418	418	209	-	-	-
Woodsdale GT1	2	2	2	2	2	2	2	2	2	2	2	2	2	3
Woodsdale GT2	2	2	2	2	2	2	2	2	2	2	2	2	3	5
Woodsdale GT3	2	2	2	2	2	2	2	2	2	2	2	2	4	6
Woodsdale GT4	2	2	2	2	2	2	2	2	2	2	2	2	4	6
Woodsdale GT5	2	2	2	2	2	2	2	2	2	2	2	2	4	6
Woodsdale GT6	2	2	2	2	2	2	2	2	2	2	2	2	4	6
Zimmer 1	697	697	697	697	697	697	697	697	697	697	697	697	697	697
Total	2,665	2,998	2,918	2,891	2,760	2,467	3,509	4,151	3,843	3,656	2,300	1,131	1,141	1,152

See direct testimony and exhibits of James M. Spey

CONFIDENTIAL PROPRIETARY
TRADE SECRET

NOx Allowances Used/Purchased/Sold

WP
HWP-5

Emissions of NOx from Cincinnati Gas & Electric
Plants (QTR Region, ozone season)

<u>Unit</u>	<u>Capacity (MW)</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>	<u>2033</u>	<u>2034</u>	<u>2035</u>
Beckjord 1	94	-	-	-	-	-	-	-
Beckjord 2	94	-	-	-	-	-	-	-
Beckjord 3	128	-	-	-	-	-	-	-
Beckjord 4	150	-	-	-	-	-	-	-
Beckjord 5	238	-	-	-	-	-	-	-
Beckjord 6	155	-	-	-	-	-	-	-
Beckjord GT1	47	-	-	-	-	-	-	-
Beckjord GT2	47	-	-	-	-	-	-	-
Beckjord GT3	47	-	-	-	-	-	-	-
Beckjord GT4	47	-	-	-	-	-	-	-
Conesville 4	312	-	-	-	-	-	-	-
Dicks Creek 1	92	-	-	-	-	-	-	-
Dicks Creek 3	14	-	-	-	-	-	-	-
Dicks Creek 4	15	-	-	-	-	-	-	-
Dicks Creek 5	15	-	-	-	-	-	-	-
East Bend 2	414	-	-	-	-	-	-	-
Killen Station 2	198	-	-	-	-	-	-	-
Miami Fort GT3	14	-	-	-	-	-	-	-
Miami Fort GT4	14	-	-	-	-	-	-	-
Miami Fort GT5	14	-	-	-	-	-	-	-
Miami Fort GT6	14	-	-	-	-	-	-	-
Miami Fort 5	80	-	-	-	-	-	-	-
Miami Fort 6	163	-	-	-	-	-	-	-
Miami Fort 7	320	-	-	-	-	-	-	-
Miami Fort 8	320	-	-	-	-	-	-	-
Stuart 1	228	-	-	-	-	-	-	-
Stuart 2	228	-	-	-	-	-	-	-
Stuart 3	228	-	-	-	-	-	-	-
Stuart 4	228	-	-	-	-	-	-	-
Woodsdale GT1	77	-	-	-	-	-	-	-
Woodsdale GT2	77	-	-	-	-	-	-	-
Woodsdale GT3	77	-	-	-	-	-	-	-
Woodsdale GT4	77	-	-	-	-	-	-	-
Woodsdale GT5	77	-	-	-	-	-	-	-
Woodsdale GT6	77	-	-	-	-	-	-	-
Zimmer 1	605	633	633	317	-	-	-	-
Total CGE NOx Emissions (Tons)		633	633	317	-	-	-	-

CONFIDENTIAL PROPRIETARY
TRADE SECRET

NOx Allowances Used/Purchased/Sold

HWP
HWP-5

NOx Emission Allowances by Unit	2029	2030	2031	2032	2033	2034	2035
<u>Unit</u>							
Beckjord 1	-	-	-	-	-	-	-
Beckjord 2	-	-	-	-	-	-	-
Beckjord 3	-	-	-	-	-	-	-
Beckjord 4	-	-	-	-	-	-	-
Beckjord 5	-	-	-	-	-	-	-
Beckjord 6	-	-	-	-	-	-	-
Beckjord GT1	-	-	-	-	-	-	-
Beckjord GT2	-	-	-	-	-	-	-
Beckjord GT3	-	-	-	-	-	-	-
Beckjord GT4	-	-	-	-	-	-	-
Conesville 4	-	-	-	-	-	-	-
Dicks Creek 1	-	-	-	-	-	-	-
Dicks Creek 3	-	-	-	-	-	-	-
Dicks Creek 4	-	-	-	-	-	-	-
Dicks Creek 5	-	-	-	-	-	-	-
East Bend 2	-	-	-	-	-	-	-
Killen Station 2	211	-	-	-	-	-	-
Miami Fort GT3	-	-	-	-	-	-	-
Miami Fort GT4	-	-	-	-	-	-	-
Miami Fort GT5	-	-	-	-	-	-	-
Miami Fort GT6	-	-	-	-	-	-	-
Miami Fort 5	-	-	-	-	-	-	-
Miami Fort 6	-	-	-	-	-	-	-
Miami Fort 7	-	-	-	-	-	-	-
Miami Fort 8	-	-	-	-	-	-	-
Stuart 1	-	-	-	-	-	-	-
Stuart 2	-	-	-	-	-	-	-
Stuart 3	-	-	-	-	-	-	-
Stuart 4	-	-	-	-	-	-	-
Woodsdale GT1	5	5	5	3	-	-	-
Woodsdale GT2	5	5	3	-	-	-	-
Woodsdale GT3	6	6	3	-	-	-	-
Woodsdale GT4	6	6	3	-	-	-	-
Woodsdale GT5	6	6	3	-	-	-	-
Woodsdale GT6	6	6	3	-	-	-	-
Zimmer 1	1,330	1,330	1,330	1,330	1,330	1,330	665
Baseline NOx Emissions from CGE Plants	1,576	1,365	1,350	1,333	1,330	1,330	665
Allowance Value (\$/97/ton)	3,500	3,500	3,500	3,500	3,500	3,500	3,500

CONFIDENTIAL PROPRIETARY
TRADE SECRET

**NOx Allowances
Used/Purchased/Sold**

WP
HWP-5

	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>	<u>2033</u>	<u>2034</u>	<u>2035</u>
Net Annual NOx Allowance Position							
Beckjord 1	.	.	.	.	.	.	.
Beckjord 2	.	.	.	.	.	.	.
Beckjord 3	.	.	.	.	.	.	.
Beckjord 4	.	.	.	.	.	.	.
Beckjord 5	.	.	.	.	.	.	.
Beckjord 6	.	.	.	.	.	.	.
Beckjord GT1	.	.	.	.	.	.	.
Beckjord GT2	.	.	.	.	.	.	.
Beckjord GT3	.	.	.	.	.	.	.
Beckjord GT4	.	.	.	.	.	.	.
Conesville 4	.	.	.	.	.	.	.
Dicks Creek 1	.	.	.	.	.	.	.
Dicks Creek 3	.	.	.	.	.	.	.
Dicks Creek 4	.	.	.	.	.	.	.
Dicks Creek 5	.	.	.	.	.	.	.
East Bend 2	.	.	.	.	.	.	.
Killen Station 2	211	.	.	.	.	.	.
Miami Fort GT3	.	.	.	.	.	.	.
Miami Fort GT4	.	.	.	.	.	.	.
Miami Fort GT5	.	.	.	.	.	.	.
Miami Fort GT6	.	.	.	.	.	.	.
Miami Fort 5	.	.	.	.	.	.	.
Miami Fort 6	.	.	.	.	.	.	.
Miami Fort 7	.	.	.	.	.	.	.
Miami Fort 8	.	.	.	.	.	.	.
Stuart 1	.	.	.	.	.	.	.
Stuart 2	.	.	.	.	.	.	.
Stuart 3	.	.	.	.	.	.	.
Stuart 4	.	.	.	.	.	.	.
Woodsdale GT1	5	5	5	3	.	.	.
Woodsdale GT2	5	5	3	.	.	.	.
Woodsdale GT3	6	6	3	.	.	.	.
Woodsdale GT4	6	6	3	.	.	.	.
Woodsdale GT5	6	6	3	.	.	.	.
Woodsdale GT6	6	6	3	.	.	.	.
Zimmer 1	697	697	1,014	1,330	1,330	1,330	665
Total	943	731	1,033	1,333	1,330	1,330	665

See direct testimony and exhibits of James M. Spey

**CONFIDENTIAL PROPRIETARY
TRADE SECRET**