



April 27, 2011

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11 APR 27 PM 3:43  
COMMISSION  
CLERK

VIA HAND DELIVERY

Ms. Ann Cole, Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, FL 32399-0850

Re: *Petition for approval of negotiated power purchase agreement with US EcoGen Polk, LLC by Progress Energy Florida, Inc.; Docket No. 110090-EQ*

Dear Ms. Cole:

Please find enclosed for filing on behalf of Progress Energy Florida, Inc. ("PEF") the original and five (5) copies of PEF's responses to Staff's Data Request No. 1 dated April 13, 2011 in the above referenced docket.

Thank you for your assistance in this matter. Please call me at (727) 820-5184 should you have any questions.

Sincerely,

*John T. Burnett*  
John T. Burnett

COM \_\_\_\_\_  
APA \_\_\_\_\_ JTB/lms  
ECR \_\_\_\_\_  
GCL 1 \_\_\_\_\_  
RAD 4 \_\_\_\_\_  
SSC \_\_\_\_\_  
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CLK \_\_\_\_\_

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**PROGRESS ENERGY FLORIDA, INC.'S RESPONSES TO STAFF DATA REQUEST NO. 1**  
**DOCKET NOS. 110090-EQ**

**Q1. Please complete the following table estimating the payments to U.S. EcoGen Polk LLC and Progress's avoided cost of capacity and energy. Please assume the biomass unit has a committed capacity of 60 MW, with an annual billing capacity factor sufficient to receive a full capacity payment. Please provide information for each of the following six avoided unit and fuel forecast combinations, with the most recent fuel forecasts available:**

Fuel Forecasts	Avoided Unit Comparison
<ul style="list-style-type: none"> <li>● Low</li> <li>● Baseline</li> <li>● High</li> </ul>	<ul style="list-style-type: none"> <li>● 2010 Standard Offer (178 MW CT in June, 2018)</li> <li>● 2011 Standard Offer (178 MW CT in June, 2020)</li> </ul>

Response: Please see Attachment A.

**Q2. Please complete the following table detailing the fuel forecast utilized in Progress Energy Florida's filing, and for each of the three fuel forecasts detailed in Question 1. Please provide the date each fuel forecast was developed along with its estimated \$/MMBTU by year for each fuel type.**

Response: Please see Attachment B.

**Q3. Please refer to Section 11 and Appendix 5 of the Purchased Power Agreement, relating to Completion/Performance Security and Eligible Collateral Requirements, respectively. Please complete the following table, providing the estimated Eligible Collateral Required for each Credit Class based on a 60 MW committed capacity.**

Response:

Eligible Collateral Requirement (\$000)			
Period Begins	30 Days after FPSC Approval Date	Financial Closing or 2 <sup>nd</sup> Anniversary of FPSC Approval Date	Year 6 after Capacity Delivery Date
Period Ends	Financial Closing or 2 <sup>nd</sup> Anniversary of FPSC Approval Date	Year 5 after Capacity Delivery Date	Termination Date
<b>A- and Above</b>	\$60,000	\$3,000,000	\$2,400,000
<b>BBB+ to BBB</b>	\$60,000	\$4,800,000	\$4,200,000
<b>BBB-</b>	\$60,000	\$8,100,000	\$7,500,000
<b>Below BBB-</b>	\$60,000	\$11,400,000	\$10,800,000

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- Q4. Please complete the following table, providing the maximum difference between the contract payments and avoided payments for each period discussed. As part of this response, include the values for both the 2010 and 2011 Standard Offer Contracts with the baseline fuel forecast provided as response to Question 1.**

Response: Progress believes that when analyzing avoided cost the avoided unit and all of the variables, including the associated fuel forecast used to determine that avoided unit, should be viewed together as a data set. For that reason, an additional row has been added to the table below for the 2010 Standard Offer with the 2010 fuel forecast as originally filed.

<b>Maximum Cumulative Difference (\$000)</b>			
<b>Period Begins</b>	30 Days after FPSC Approval Date	Financial Closing or 2 <sup>nd</sup> Anniversary of FPSC Approval Date	Year 6 after Capacity Delivery Date
<b>Period Ends</b>	Financial Closing or 2 <sup>nd</sup> Anniversary of FPSC Approval Date	Year 5 after Capacity Delivery Date	Termination Date
<b>2010 Standard Offer (w/ 2010 forecast)</b>	\$0	\$3,147,000 above avoided cost	\$13,437,000 below avoided cost
<b>2010 Standard Offer (w/ 2011 forecast)</b>	\$0	\$20,206,000 above avoided cost	\$22,277,000 above avoided cost
<b>2011 Standard Offer</b>	\$0	\$22,747,000 above avoided cost	\$35,497,000 above avoided cost

- Q5. Please compare the Eligible Collateral identified in Question 3 with the maximum cumulative difference for each period in Question 4. Please identify for each period whether the eligible collateral requirement is above, equal, or below the maximum cumulative difference. Please complete the table for both the 2010 and 2011 Standard Offer Contracts values.**

Response: Progress believes that when analyzing avoided cost the avoided unit and all of the variables, including the associated fuel forecast used to determine that avoided unit, should be viewed together as a data set. For that reason, an additional table has been added below for the 2010 Standard Offer with the 2010 fuel forecast as originally filed.

<b>Comparison of Collateral &amp; Payment Difference (Above, Equal, Below)</b>			
<b>Standard Offer Contract: 2010 – 2010 Fuel Forecast</b>			
<b>Period Begins</b>	30 Days after FPSC Approval Date	Financial Closing or 2 <sup>nd</sup> Anniversary of FPSC Approval Date	Year 6 after Capacity Delivery Date
<b>Period Ends</b>	Financial Closing or 2 <sup>nd</sup> Anniversary of FPSC Approval Date	Year 5 after Capacity Delivery Date	Termination Date
<b>A- and Above</b>	Above	Below	Above
<b>BBB+ to BBB</b>	Above	Above	Above
<b>BBB-</b>	Above	Above	Above
<b>Below BBB-</b>	Above	Above	Above

<b>Comparison of Collateral &amp; Payment Difference (Above, Equal, Below)</b>			
<b>Standard Offer Contract: 2010 – 2011 Fuel Forecast</b>			
<b>Period Begins</b>	30 Days after FPSC Approval Date	Financial Closing or 2 <sup>nd</sup> Anniversary of FPSC Approval Date	Year 6 after Capacity Delivery Date
<b>Period Ends</b>	Financial Closing or 2 <sup>nd</sup> Anniversary of FPSC Approval Date	Year 5 after Capacity Delivery Date	Termination Date
<b>A- and Above</b>	Above	Below	Below
<b>BBB+ to BBB</b>	Above	Below	Below
<b>BBB-</b>	Above	Below	Below
<b>Below BBB-</b>	Above	Below	Below

<b>Comparison of Collateral &amp; Payment Difference (Above, Equal, Below)</b>			
<b>Standard Offer Contract: 2011</b>			
<b>Period Begins</b>	30 Days after FPSC Approval Date	Financial Closing or 2 <sup>nd</sup> Anniversary of FPSC Approval Date	Year 6 after Capacity Delivery Date
<b>Period Ends</b>	Financial Closing or 2 <sup>nd</sup> Anniversary of FPSC Approval Date	Year 5 after Capacity Delivery Date	Termination Date
<b>A- and Above</b>	Above	Below	Below
<b>BBB+ to BBB</b>	Above	Below	Below
<b>BBB-</b>	Above	Below	Below
<b>Below BBB-</b>	Above	Below	Below



Standard Offer Contract						2010					
Fuel Forecast						Baseline					
Year	Energy	Contract Payments				Avoided Payments				Difference	
		Capacity	Energy	Total	Cumulative	Capacity	Energy	Total	Cumulative	Annual	Cumulative
	(MWh)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)
2011	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2012	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2013	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2014	494,067	\$ 3,838	\$ 28,903	\$ 32,741	\$ 32,741						
2015	494,067	\$ 3,838	\$ 29,392	\$ 33,230	\$ 65,970						
2016	495,420	\$ 3,845	\$ 29,973	\$ 33,818	\$ 99,788						
2017	494,067	\$ 3,845	\$ 30,400	\$ 34,245	\$ 134,033						
2018	494,067	\$ 3,852	\$ 30,919	\$ 34,771	\$ 168,803						
2019	494,067	\$ 3,852	\$ 31,442	\$ 35,294	\$ 204,098						
2020	495,420	\$ 3,859	\$ 32,064	\$ 35,923	\$ 240,021						
2021	494,067	\$ 3,859	\$ 32,519	\$ 36,379	\$ 276,399						
2022	494,067	\$ 3,866	\$ 33,073	\$ 36,939	\$ 313,338						
2023	494,067	\$ 3,874	\$ 33,636	\$ 37,510	\$ 350,848						
2024	495,420	\$ 3,874	\$ 34,303	\$ 38,176	\$ 389,025						
2025	494,067	\$ 3,881	\$ 34,792	\$ 38,673	\$ 427,698						
2026	494,067	\$ 3,888	\$ 35,385	\$ 39,273	\$ 466,971						
2027	494,067	\$ 3,888	\$ 35,988	\$ 39,876	\$ 506,847						
2028	495,420	\$ 3,895	\$ 36,701	\$ 40,596	\$ 547,442						
2029	494,067	\$ 3,902	\$ 37,223	\$ 41,125	\$ 588,568						
2030	494,067	\$ 3,902	\$ 37,855	\$ 41,758	\$ 630,326						
2031	494,067	\$ 3,910	\$ 38,498	\$ 42,407	\$ 672,733						
2032	495,420	\$ 3,917	\$ 39,257	\$ 43,174	\$ 715,907						
2033	494,067	\$ 3,917	\$ 39,817	\$ 43,734	\$ 759,641						
2034	494,067	\$ 3,924	\$ 40,494	\$ 44,418	\$ 804,058						
2035	494,067	\$ 3,931	\$ 41,180	\$ 45,112	\$ 849,170						
2036	495,420	\$ 3,938	\$ 41,997	\$ 45,935	\$ 895,105						
2037	494,067	\$ 3,938	\$ 42,594	\$ 46,532	\$ 941,637						
2038	494,067	\$ 3,946	\$ 43,320	\$ 47,265	\$ 988,902						
2039	494,067	\$ 3,953	\$ 44,056	\$ 48,009	\$ 1,036,911						
2040	495,420	\$ 3,960	\$ 44,930	\$ 48,890	\$ 1,085,801						
2041	494,067	\$ 3,967	\$ 45,568	\$ 49,535	\$ 1,135,336						
2042	494,067	\$ 3,974	\$ 46,343	\$ 50,318	\$ 1,185,654						
2043	204,395	\$ 1,659	\$ 19,497	\$ 21,156	\$ 1,206,810						
Sum	14,541,809	\$ 114,692	\$ 1,092,118	\$ 1,206,810		\$ 159,518	\$ 1,180,965	\$ 1,340,484		\$ 133,674	
NPV (\$2011 @8.10%)		\$ 36,776	\$ 322,357	\$ 359,133		\$ 36,573	\$ 329,365	\$ 365,937		\$ 6,804	



Standard Offer Contract						2010					
Fuel Forecast						Low					
Year	Energy (MWh)	Contract Payments				Avoided Payments				Difference	
		Capacity	Energy	Total	Cumulative	Capacity	Energy	Total	Cumulative	Annual	Cumulative
		(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)
2011	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2012	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2013	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2014	494,067	\$ 3,838	\$ 28,903	\$ 32,741	\$ 32,741						
2015	494,067	\$ 3,838	\$ 29,392	\$ 33,230	\$ 65,970						
2016	495,420	\$ 3,845	\$ 29,973	\$ 33,818	\$ 99,788						
2017	494,067	\$ 3,845	\$ 30,400	\$ 34,245	\$ 134,033						
2018	494,067	\$ 3,852	\$ 30,919	\$ 34,771	\$ 168,803						
2019	494,067	\$ 3,852	\$ 31,442	\$ 35,294	\$ 204,098						
2020	495,420	\$ 3,859	\$ 32,064	\$ 35,923	\$ 240,021						
2021	494,067	\$ 3,859	\$ 32,519	\$ 36,379	\$ 276,399						
2022	494,067	\$ 3,866	\$ 33,073	\$ 36,939	\$ 313,338						
2023	494,067	\$ 3,874	\$ 33,636	\$ 37,510	\$ 350,848						
2024	495,420	\$ 3,874	\$ 34,303	\$ 38,176	\$ 389,025						
2025	494,067	\$ 3,881	\$ 34,792	\$ 38,673	\$ 427,698						
2026	494,067	\$ 3,888	\$ 35,385	\$ 39,273	\$ 466,971						
2027	494,067	\$ 3,888	\$ 35,988	\$ 39,876	\$ 506,847						
2028	495,420	\$ 3,895	\$ 36,701	\$ 40,596	\$ 547,442						
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2030	494,067	\$ 3,902	\$ 37,855	\$ 41,758	\$ 630,326						
2031	494,067	\$ 3,910	\$ 38,498	\$ 42,407	\$ 672,733						
2032	495,420	\$ 3,917	\$ 39,257	\$ 43,174	\$ 715,907						
2033	494,067	\$ 3,917	\$ 39,817	\$ 43,734	\$ 759,641						
2034	494,067	\$ 3,924	\$ 40,494	\$ 44,418	\$ 804,058						
2035	494,067	\$ 3,931	\$ 41,180	\$ 45,112	\$ 849,170						
2036	495,420	\$ 3,938	\$ 41,997	\$ 45,935	\$ 895,105						
2037	494,067	\$ 3,938	\$ 42,594	\$ 46,532	\$ 941,637						
2038	494,067	\$ 3,946	\$ 43,320	\$ 47,265	\$ 988,902						
2039	494,067	\$ 3,953	\$ 44,056	\$ 48,009	\$ 1,036,911						
2040	495,420	\$ 3,960	\$ 44,930	\$ 48,890	\$ 1,085,801						
2041	494,067	\$ 3,967	\$ 45,568	\$ 49,535	\$ 1,135,336						
2042	494,067	\$ 3,974	\$ 46,343	\$ 50,318	\$ 1,185,654						
2043	204,395	\$ 1,659	\$ 19,497	\$ 21,156	\$ 1,206,810						
Sum	14,541,809	\$ 114,692	\$ 1,092,118	\$ 1,206,810		\$ 159,518	\$ 1,003,821	\$ 1,163,339		\$ (43,471)	
NPV (\$2011 @ 8.10%)		\$ 36,776	\$ 322,357	\$ 359,133		\$ 36,573	\$ 279,960	\$ 316,533		\$ (42,601)	



Standard Offer Contract						2010					
Fuel Forecast						High					
Year	Energy	Contract Payments				Avoided Payments				Difference	
		Capacity	Energy	Total	Cumulative	Capacity	Energy	Total	Cumulative	Annual	Cumulative
	(MWh)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)
2011	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2012	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2013	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2014	494,067	\$ 3,838	\$ 28,903	\$ 32,741	\$ 32,741						
2015	494,067	\$ 3,838	\$ 29,392	\$ 33,230	\$ 65,970						
2016	495,420	\$ 3,845	\$ 29,973	\$ 33,818	\$ 99,788						
2017	494,067	\$ 3,845	\$ 30,400	\$ 34,245	\$ 134,033						
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2024	495,420	\$ 3,874	\$ 34,303	\$ 38,176	\$ 389,025						
2025	494,067	\$ 3,881	\$ 34,792	\$ 38,673	\$ 427,698						
2026	494,067	\$ 3,888	\$ 35,385	\$ 39,273	\$ 466,971						
2027	494,067	\$ 3,888	\$ 35,988	\$ 39,876	\$ 506,847						
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2030	494,067	\$ 3,902	\$ 37,855	\$ 41,758	\$ 630,326						
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2034	494,067	\$ 3,924	\$ 40,494	\$ 44,418	\$ 804,058						
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2040	495,420	\$ 3,960	\$ 44,930	\$ 48,890	\$ 1,085,801						
2041	494,067	\$ 3,967	\$ 45,568	\$ 49,535	\$ 1,135,336						
2042	494,067	\$ 3,974	\$ 46,343	\$ 50,318	\$ 1,185,654						
2043	204,395	\$ 1,659	\$ 19,497	\$ 21,156	\$ 1,206,810						
Sum	14,541,809	\$ 114,692	\$ 1,092,118	\$ 1,206,810		\$ 159,518	\$ 1,358,110	\$ 1,517,629		\$ 310,819	
NPV (\$2011 @8.10%)		\$ 36,776	\$ 322,357	\$ 359,133		\$ 36,573	\$ 378,769	\$ 415,342		\$ 56,209	



Standard Offer Contract						2011					
Fuel Forecast						Baseline					
Year	Energy	Contract Payments				Avoided Payments				Difference	
		Capacity	Energy	Total	Cumulative	Capacity	Energy	Total	Cumulative	Annual	Cumulative
	(MWh)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)
2011	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2012	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2013	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2014	494,067	\$ 3,838	\$ 28,903	\$ 32,741	\$ 32,741						
2015	494,067	\$ 3,838	\$ 29,392	\$ 33,230	\$ 65,970						
2016	495,420	\$ 3,845	\$ 29,973	\$ 33,818	\$ 99,788						
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2018	494,067	\$ 3,852	\$ 30,919	\$ 34,771	\$ 168,803						
2019	494,067	\$ 3,852	\$ 31,442	\$ 35,294	\$ 204,098						
2020	495,420	\$ 3,859	\$ 32,064	\$ 35,923	\$ 240,021						
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2022	494,067	\$ 3,866	\$ 33,073	\$ 36,939	\$ 313,338						
2023	494,067	\$ 3,874	\$ 33,636	\$ 37,510	\$ 350,848						
2024	495,420	\$ 3,874	\$ 34,303	\$ 38,176	\$ 389,025						
2025	494,067	\$ 3,881	\$ 34,792	\$ 38,673	\$ 427,698						
2026	494,067	\$ 3,888	\$ 35,385	\$ 39,273	\$ 466,971						
2027	494,067	\$ 3,888	\$ 35,988	\$ 39,876	\$ 506,847						
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2031	494,067	\$ 3,910	\$ 38,498	\$ 42,407	\$ 672,733						
2032	495,420	\$ 3,917	\$ 39,257	\$ 43,174	\$ 715,907						
2033	494,067	\$ 3,917	\$ 39,817	\$ 43,734	\$ 759,641						
2034	494,067	\$ 3,924	\$ 40,494	\$ 44,418	\$ 804,058						
2035	494,067	\$ 3,931	\$ 41,180	\$ 45,112	\$ 849,170						
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2040	495,420	\$ 3,960	\$ 44,930	\$ 48,890	\$ 1,085,801						
2041	494,067	\$ 3,967	\$ 45,568	\$ 49,535	\$ 1,135,336						
2042	494,067	\$ 3,974	\$ 46,343	\$ 50,318	\$ 1,185,654						
2043	204,395	\$ 1,659	\$ 19,497	\$ 21,156	\$ 1,206,810						
Sum	14,541,809	\$ 114,692	\$ 1,092,118	\$ 1,206,810		\$ 119,080	\$ 1,180,965	\$ 1,300,045		\$ 93,235	
NPV (\$2011 @6.75%)		\$ 43,013	\$ 381,592	\$ 424,604		\$ 32,545	\$ 392,874	\$ 425,418		\$ 814	



Standard Offer Contract						2011					
Fuel Forecast						Low					
Year	Energy	Contract Payments				Avoided Payments				Difference	
		Capacity	Energy	Total	Cumulative	Capacity	Energy	Total	Cumulative	Annual	Cumulative
	(MWh)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)
2011	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2012	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2013	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2014	494,067	\$ 3,838	\$ 28,903	\$ 32,741	\$ 32,741						
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2035	494,067	\$ 3,931	\$ 41,180	\$ 45,112	\$ 849,170						
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2041	494,067	\$ 3,967	\$ 45,568	\$ 49,535	\$ 1,135,336						
2042	494,067	\$ 3,974	\$ 46,343	\$ 50,318	\$ 1,185,654						
2043	204,395	\$ 1,659	\$ 19,497	\$ 21,156	\$ 1,206,810						
Sum	14,541,809	\$ 114,692	\$ 1,092,118	\$ 1,206,810		\$ 119,080	\$ 1,003,821	\$ 1,122,900		\$ (83,909)	
NPV (\$2011 @6.75%)		\$ 43,013	\$ 381,592	\$ 424,604		\$ 32,545	\$ 333,943	\$ 366,487		\$ (58,117)	



Standard Offer Contract						2011					
Fuel Forecast						High					
Year	Energy	Contract Payments				Avoided Payments				Difference	
		Capacity	Energy	Total	Cumulative	Capacity	Energy	Total	Cumulative	Annual	Cumulative
	(MWh)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)
2011	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2012	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2013	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2014	494,067	\$ 3,838	\$ 28,903	\$ 32,741	\$ 32,741						
2015	494,067	\$ 3,838	\$ 29,392	\$ 33,230	\$ 65,970						
2016	495,420	\$ 3,845	\$ 29,973	\$ 33,818	\$ 99,788						
2017	494,067	\$ 3,845	\$ 30,400	\$ 34,245	\$ 134,033						
2018	494,067	\$ 3,852	\$ 30,919	\$ 34,771	\$ 168,803						
2019	494,067	\$ 3,852	\$ 31,442	\$ 35,294	\$ 204,098						
2020	495,420	\$ 3,859	\$ 32,064	\$ 35,923	\$ 240,021						
2021	494,067	\$ 3,859	\$ 32,519	\$ 36,379	\$ 276,399						
2022	494,067	\$ 3,866	\$ 33,073	\$ 36,939	\$ 313,338						
2023	494,067	\$ 3,874	\$ 33,636	\$ 37,510	\$ 350,848						
2024	495,420	\$ 3,874	\$ 34,303	\$ 38,176	\$ 389,025						
2025	494,067	\$ 3,881	\$ 34,792	\$ 38,673	\$ 427,698						
2026	494,067	\$ 3,888	\$ 35,385	\$ 39,273	\$ 466,971						
2027	494,067	\$ 3,888	\$ 35,988	\$ 39,876	\$ 506,847						
2028	495,420	\$ 3,895	\$ 36,701	\$ 40,596	\$ 547,442						
2029	494,067	\$ 3,902	\$ 37,223	\$ 41,125	\$ 588,568						
2030	494,067	\$ 3,902	\$ 37,855	\$ 41,758	\$ 630,326						
2031	494,067	\$ 3,910	\$ 38,498	\$ 42,407	\$ 672,733						
2032	495,420	\$ 3,917	\$ 39,257	\$ 43,174	\$ 715,907						
2033	494,067	\$ 3,917	\$ 39,817	\$ 43,734	\$ 759,641						
2034	494,067	\$ 3,924	\$ 40,494	\$ 44,418	\$ 804,058						
2035	494,067	\$ 3,931	\$ 41,180	\$ 45,112	\$ 849,170						
2036	495,420	\$ 3,938	\$ 41,997	\$ 45,935	\$ 895,105						
2037	494,067	\$ 3,938	\$ 42,594	\$ 46,532	\$ 941,637						
2038	494,067	\$ 3,946	\$ 43,320	\$ 47,265	\$ 988,902						
2039	494,067	\$ 3,953	\$ 44,056	\$ 48,009	\$ 1,036,911						
2040	495,420	\$ 3,960	\$ 44,930	\$ 48,890	\$ 1,085,801						
2041	494,067	\$ 3,967	\$ 45,568	\$ 49,535	\$ 1,135,336						
2042	494,067	\$ 3,974	\$ 46,343	\$ 50,318	\$ 1,185,654						
2043	204,395	\$ 1,659	\$ 19,497	\$ 21,156	\$ 1,206,810						
Sum	14,541,809	\$ 114,692	\$ 1,092,118	\$ 1,206,810		\$ 119,080	\$ 1,358,110	\$ 1,477,190		\$ 270,380	
NPV (\$2011 @6.75%)		\$ 43,013	\$ 381,592	\$ 424,604		\$ 32,545	\$ 451,805	\$ 484,349		\$ 59,745	



REDACTED

Year	Natural Gas	Coal 1.8 (lbs/MMBtu) SO2 Content	Coal 5 (lbs/MMBtu) SO2 Content	Uranium	DIST ULS 0.0015 lbs/MMBtu	OIL 1.1	OIL 1.7
	(\$/MMBTU)	(\$/MMBTU)	(\$/MMBTU)	(\$/MMBTU)	(\$/MMBTU)	(\$/MMBTU)	(\$/MMBTU)
2011							
2012							
2013							
2014							
2015							
2016							
2017							
2018							
2019							
2020							
2021							
2022							
2023							
2024							
2025							
2026							
2027							
2028							
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2036							
2037							
2038							
2039							
2040							
2041							
2042							
2043							