



August 5, 2011

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COMMISSION
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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. 4 dated August 1, 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 LMS
John T. Burnett

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PROGRESS ENERGY FLORIDA, INC.'S RESPONSES TO STAFF DATA REQUEST NO. 4
DOCKET NOS. 110090-EQ

Q1. Please provide the 2011 Ten-Year Site Plan Fuel Forecast utilized in PEF's Response to Data Request #1. As part of this response, please separate the gas prices between commodity and transportation.

Response: As requested, the Fuel Forecast utilized in PEF's 2011 Ten-Year Site Plan is provided in the table below. As stated previously, PEF used the avoided costs that were applicable at the time negotiations began with US EcoGen which was early-2010. At that time, and pursuant to Rule 25-17.25(1), FAC, the negotiations were based on PEF's full avoided costs as defined by our next avoided unit identified in the 2010 Ten-Year Site Plan. In PEF's view, it is appropriate to use all of the 2010 Ten-Year Site Plan's identifiable avoided costs as a collective data set that determines the corresponding avoided unit.

2011 TYSP Gas Forecast \$/MMBtu				Escalation		
Year	Commodity	Transportation	Total	Commodity	Transportation	Total
2014	\$6.05	\$1.45	\$7.50			
2015	\$6.48	\$1.47	\$7.95	7.1%	1.4%	6.0%
2016	\$6.70	\$1.48	\$8.18	3.4%	0.7%	2.9%
2017	\$6.89	\$1.48	\$8.37	2.8%	0.0%	2.3%
2018	\$7.12	\$1.49	\$8.61	3.3%	0.7%	2.9%
2019	\$7.46	\$1.50	\$8.96	4.8%	0.7%	4.1%
2020	\$7.74	\$1.51	\$9.25	3.8%	0.7%	3.2%
2021	\$7.98	\$1.52	\$9.50	3.1%	0.7%	2.7%
2022	\$8.27	\$1.53	\$9.80	3.6%	0.7%	3.2%
2023	\$8.48	\$1.54	\$10.02	2.5%	0.7%	2.2%
2024	\$8.65	\$1.54	\$10.19	2.0%	0.0%	1.7%
2025	\$8.92	\$1.55	\$10.47	3.1%	0.6%	2.7%
2026	\$9.19	\$1.56	\$10.75	3.0%	0.6%	2.7%
2027	\$9.47	\$1.57	\$11.04	3.0%	0.6%	2.7%
2028	\$9.87	\$1.58	\$11.45	4.2%	0.6%	3.7%
2029	\$10.33	\$1.60	\$11.93	4.7%	1.3%	4.2%
2030	\$10.85	\$1.61	\$12.46	5.0%	0.6%	4.4%
2031	\$11.22	\$1.63	\$12.85	3.4%	1.2%	3.1%
2032	\$11.61	\$1.64	\$13.25	3.5%	0.6%	3.1%
2033	\$12.01	\$1.65	\$13.66	3.4%	0.6%	3.1%
2034	\$12.42	\$1.67	\$14.09	3.4%	1.2%	3.1%
2035	\$12.85	\$1.68	\$14.53	3.5%	0.6%	3.1%
2036	\$13.29	\$1.69	\$14.98	3.4%	0.6%	3.1%
2037	\$13.75	\$1.71	\$15.46	3.5%	1.2%	3.2%
2038	\$14.22	\$1.73	\$15.95	3.4%	1.2%	3.2%

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2039	\$14.71	\$1.74	\$16.45	3.4%	0.6%	3.1%
2040	\$15.22	\$1.76	\$16.98	3.5%	1.1%	3.2%
2041	\$15.74	\$1.78	\$17.52	3.4%	1.1%	3.2%
2042	\$16.28	\$1.80	\$18.08	3.4%	1.1%	3.2%
2043	\$16.84	\$1.82	\$18.66	3.4%	1.1%	3.2%

Q2. Please state and explain the assumed escalation rate used for the commodity price and the transportation price.

Response: The escalation rates are shown in the above table. This rate was selected based on energy related inflation guidance provided by EIA and by Progress Energy's outside fuel forecasting consultant.