

DOCKET 080148

REDACTED

**IN RE PETITION FOR
DETERMINATION OF NEED FOR LEVY
UNITS 1 AND 2 NUCLEAR POWER
PLANTS
PROGRESS ENERGY FLORIDA, INC.'S
SECOND REQUEST FOR
CONFIDENTIAL CLASSIFICATION**

REDACTED

EXHIBIT B

CMP _____
COM _____
CTR _____
EIS 1 _____
GCL _____
OPC _____
RCA _____
SCR _____
SGA _____
SEC _____
OTH _____

DOCUMENT NUMBER-DATE

03040 APR 17 88

FPSC-COMMISSION CLERK

Approval Section:

Coordinated by: Dana Baumann
Prepared By: R. Bombien, D. Williams, D. Baumann
Date: 10/4/2007
Approved By: Joe McCallister
Date: 10/4/2007
Department: RFD

CONFIDENTIAL

Assumptions:

Transportation & Others

- 1) System with Transport price include \$.10/gallon for Fla delivery& terminalling & \$.02/gallon taxes
- 2) Freight based on bids received for 2007
- 3) Transport cost escalation @ 5% for 2008
- 4) Transport cost escalation @ 3% for 2009-2026
- 5) ~~_____~~
- 6) ~~_____~~
- 7) Assumed Hines will get ULSD as LSD becomes unavailable in Tampa

Commodity

- 1) 2007 - 2010 Monthly Base Case based on market observation dated October 1, 2007 with summer and winter volatility marker view.
- 2) 2011 - 2026 Annual Base Case from PIRA and Global Insight
- 3) Low forecast represents the 10th percentile case.
- 4) High forecast represents the 90th percentile case.

PEF-LNN000373

Approval Section

Coordinated by: Dana Baumann
Prepared By: R. Bombien, D. Williams, D. Baumann
Date: 10/4/2007
Approved By: Joe McCallister
Date: 10/4/2007
Department: RFD

Assumptions:

Transportation & Others

- 1) System values are USGC market values
- 2) Transport to plants represents diff between USGC prices & delivered prices including \$.07/bbl taxes
- 3) [REDACTED]
- 4) 2010 Transport based on open market; escalation at 3%/yr from 2011-2026
- 5) [REDACTED]
- 6) Anclote switch to 1.1 SO2 in 2010 per controls schedule. Forecast must be updated if plan has changed.
- 7) Anclote and Bartow switched to 1.5 lbs SO2/MMBtu in 2007-2009 due to historical SO2 allowance trend; this will analyzed every quarter

Commodity

- 1) 2007 - 2010 Monthly Base Case based on market observation dated September 10, 2007 with summer and winter volatility market view.
- 2) 2011 - 2026 Annual Base Case from PIRA and Global Insight
- 3) Low forecast represents the 10th percentile case.
- 4) High forecast represents the 90th percentile case.

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PROGRESS ENERGY FLORIDA
2007 - 2026

General Assumptions:

- 1 Global Energy Decisions Forward curves for Nov 2007 - Dec 2009 dated October 3, 2007 for all but Import
- 2 Global Energy Decisions Mid-Term Forecast for 2010 - Dec 2011 dated September 10, 2007 for all but Import
- 3 Forward Curves were converted to forecasts using EPRI methodology
- 4 Global Energy escalation rates were applied to the commodity cost 2012 - 2026
- 5 Mcloskey's API#2 forwards for 2007 - 2011 September 11, 2007) was utilized, this index represents South American coal delivered to ARA.
- 6 Transportation to ARA was subtracted, yielding a commodity only cost.
- 7 Global Energy escalation rates were applied to this calculated commodity cost, followed by added the ocean vessel rate to IMT

Transportation forecasts provided the Coal Transportation Unit

	CR 1-2	CR 4-5
Nov-07		[REDACTED]
Dec-07		[REDACTED]
Jan-08		
Feb-08		
Mar-08		
Apr-08		
May-08		
Jun-08		
Jul-08		
Aug-08		
Sep-08		
Oct-08	[REDACTED]	
Nov-08	[REDACTED]	[REDACTED]
Dec-08		[REDACTED]
Jan-09		
Feb-09		
Mar-09		
Apr-09		
May-09		
Jun-09		
Jul-09		
Aug-09		
Sep-09		
Oct-09		
Nov-09		
Dec-09		
Jan-10		[REDACTED]
Feb-10		[REDACTED]
Mar-10		[REDACTED]
Apr-10		[REDACTED]
May-10		[REDACTED]
Jun-10		[REDACTED]
Jul-10		[REDACTED]
Aug-10		[REDACTED]
Sep-10		[REDACTED]
Oct-10		[REDACTED]
Nov-10		[REDACTED]
Dec-10	[REDACTED]	[REDACTED]
2011		
2012		
2013	[REDACTED]	
2014		
2015		
2016		
2017		[REDACTED]
2018		
2019		
2020		
2021		
2022		
2023		
2024		
2025		
2026		

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Input by: Elaine Parker Date: 9/13/2007
 Oca Selections by: Brett Phipps/Rob Reynolds Date: 9/13/2007

PEF-LNN000437

Coal Forecast - Florida

BASE CASE

SPOT ONLY

Incremental w/o EA - Crystal River 1 & 2

Year	Total (\$/MMBtu)	Commodity (\$/MMBtu)	Transport (\$/MMBtu)	Heat Content (Btu/lb)	SO2 Content (lbs/MMBtu)
Nov-07	2.813	1.793	1.020		
Dec-07	2.847	1.830	1.017		
Jan-08	2.889	1.885	1.004		
Feb-08	2.915	1.913	1.002		
Mar-08	2.945	1.944	1.001		
Apr-08	2.942	1.941	1.001		
May-08	2.933	1.933	1.000		
Jun-08	2.931	1.931	1.000		
Jul-08	2.956	1.955	1.001		
Aug-08	2.981	1.981	1.000		
Sep-08	3.014	2.014	1.000		
Oct-08	3.039	2.045	0.994		
Nov-08	3.065	2.071	0.994		
Dec-08	3.078	2.084	0.994		
Jan-09	3.073	2.080	0.993		
Feb-09	3.053	2.060	0.993		
Mar-09	3.021	2.028	0.993		
Apr-09	2.981	1.995	0.986		
May-09	2.956	1.970	0.986		
Jun-09	2.942	1.956	0.986		
Jul-09	2.946	1.956	0.990		
Aug-09	2.957	1.967	0.990		
Sep-09	2.975	1.985	0.990		
Oct-09	3.013	2.003	1.010		
Nov-09	3.018	2.007	1.011		
Dec-09	3.018	2.009	1.009		
Jan-10	3.162	2.054	1.108		
Feb-10	3.152	2.044	1.108		
Mar-10	3.126	2.018	1.108		
Apr-10	3.100	1.992	1.108		
May-10	3.083	1.975	1.108		
Jun-10	3.078	1.970	1.108		
Jul-10	3.086	1.978	1.108		
Aug-10	3.107	1.999	1.108		
Sep-10	3.141	2.033	1.108		
Oct-10	3.144	2.036	1.108		
Nov-10	3.147	2.039	1.108		
Dec-10	3.150	2.042	1.108		
2011	3.393	2.281	1.112		
2012	3.505	2.359	1.146		
2013	3.605	2.427	1.178		
2014	3.724	2.519	1.205		
2015	3.834	2.600	1.234		

SPOT ONLY

Incremental w/o EA - Crystal River

Year	Total (\$/MMBtu)	Commodity (\$/MMBtu)	Transport (\$/MMBtu)	Heat Content (Btu/lb)	SO2 Content (lbs/MMBtu)
Nov-07	2.905	2.001	0.904		
Dec-07	2.919	2.016	0.903		
Jan-08	2.968	2.061	0.907		
Feb-08	2.967	2.060	0.907		
Mar-08	2.983	2.076	0.907		
Apr-08	3.018	2.103	0.915		
May-08	3.012	2.093	0.919		
Jun-08	3.021	2.098	0.923		
Jul-08	3.046	2.129	0.917		
Aug-08	3.097	2.180	0.917		
Sep-08	3.124	2.207	0.917		
Oct-08	3.163	2.248	0.915		
Nov-08	3.193	2.278	0.915		
Dec-08	3.213	2.298	0.915		
Jan-09	3.220	2.296	0.924		
Feb-09	3.201	2.277	0.924		
Mar-09	3.169	2.245	0.924		
Apr-09	3.140	2.211	0.929		
May-09	3.120	2.187	0.933		
Jun-09	3.105	2.172	0.933		
Jul-09	3.097	2.172	0.925		
Aug-09	3.109	2.184	0.925		
Sep-09	3.127	2.204	0.923		
Oct-09	3.148	2.222	0.926		
Nov-09	3.151	2.225	0.926		
Dec-09	3.154	2.228	0.926		
Jan-10	3.290	2.329	0.961		
Feb-10	3.280	2.319	0.961		
Mar-10	3.245	2.284	0.961		
Apr-10	3.212	2.251	0.961		
May-10	2.797	1.851	0.946		
Jun-10	2.790	1.844	0.946		
Jul-10	2.796	1.850	0.946		
Aug-10	2.814	1.868	0.946		
Sep-10	2.844	1.898	0.946		
Oct-10	2.847	1.901	0.946		
Nov-10	2.526	1.595	0.931		
Dec-10	2.528	1.597	0.931		
2011	2.611	1.713	0.898		
2012	2.691	1.773	0.918		
2013	2.766	1.826	0.940		
2014	2.857	1.895	0.962		
2015	2.918	1.953	0.965		

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PEF-LNN-000437a

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NATURAL GAS SUPPLY AND VARIABLE TRANSPORTATION COST (\$MMBTU or \$/D1)

Table with columns for Base HH (REGULAR, PHYSICAL, REGULAR), Base Cost, @Gas Market Rate, @Gas FGT Hedge, GSNG, @Gas Gulf Hedge, TIGER, @Gas BPA-moco, VARIABLE FGT (U of FL, FC, O FGT), @FGT.FT.VarRate, and VARIABLE CYPRESS FT (CYPRESS, SNG & FGT, FTS 2 Ph VII, U of FL, IC, SNG & O-FGT). Rows list months from Nov-07 to 2026 with associated costs.

Note: It is assumed that Vandolah will be dispatched on Gulfstream and Shady Hills will be dispatched on FGT. Use FGT Z3 Basis as an adder to all Henry Hub Prices for Probable, Low and High Cases.

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PEF-LNN000458

Approval Section

Coordinated by: Dana Baumann

Prepared By: R. Bombien, D. Williams, D. Baumann

Date: 10/4/2007

Approved By: Joe McCallister

Date: 10/4/2007

Department: RFD

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PROGRESS ENERGY FLORIDA
2007 - 2026

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Transportation forecasts provided the Coal Transportation Unit

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Nov-07		
Dec-07		
Jan-08		
Feb-08		
Mar-08		
Apr-08		
May-08		
Jun-08		
Jul-08		
Aug-08		
Sep-08		
Oct-08		
Nov-08		
Dec-08		
Jan-09		
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May-09		
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Jan-10		
Feb-10		
Mar-10		
Apr-10		
May-10		
Jun-10		
Jul-10		
Aug-10		
Sep-10		
Oct-10		
Nov-10		
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2019		
2020		
2021		
2022		
2023		
2024		
2025		
2026		

Input by: Elaine Parker
Coal Selections by: Brett Phipps/Rob Reynolds

Date: 9/13/2007
Date: 9/13/2007

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PEF-LNN000522

Coal Forecast - Florida

BASE CASE

SPOT ONLY

Incremental w/o EA - Crystal River 1 & 2

Year	Total (\$/MMBtu)	Commodity (\$/MMBtu)	Transport (\$/MMBtu)	Heat Content (Btu/lb)	SO2 Content (lbs/MMBtu)	
Nov-07	2.813	1.793	1.020			[2007m11] 281.30 -
Dec-07	2.847	1.830	1.017			[2007m12] 284.70 -
Jan-08	2.889	1.885	1.004			[2008m1] 288.90 -
Feb-08	2.915	1.913	1.002			[2008m2] 291.50 -
Mar-08	2.945	1.944	1.001			[2008m3] 294.50 -
Apr-08	2.942	1.941	1.001			[2008m4] 294.20 -
May-08	2.933	1.933	1.000			[2008m5] 293.30 -
Jun-08	2.931	1.931	1.000			[2008m6] 293.10 -
Jul-08	2.956	1.955	1.001			[2008m7] 295.60 -
Aug-08	2.981	1.981	1.000			[2008m8] 298.10 -
Sep-08	3.014	2.014	1.000			[2008m9] 301.40 -
Oct-08	3.039	2.045	0.994			[2008m10] 303.90 -
Nov-08	3.065	2.071	0.994			[2008m11] 306.50 -
Dec-08	3.078	2.084	0.994			[2008m12] 307.80 -
Jan-09	3.073	2.080	0.993			[2009m1] 307.30 -
Feb-09	3.053	2.060	0.993			[2009m2] 305.30 -
Mar-09	3.021	2.028	0.993			[2009m3] 302.10 -
Apr-09	2.981	1.995	0.986			[2009m4] 298.10 -
May-09	2.956	1.970	0.986			[2009m5] 295.60 -
Jun-09	2.942	1.956	0.986			[2009m6] 294.20 -
Jul-09	2.946	1.956	0.990			[2009m7] 294.60 -
Aug-09	2.957	1.967	0.990			[2009m8] 295.70 -
Sep-09	2.975	1.985	0.990			[2009m9] 297.50 -
Oct-09	3.013	2.003	1.010			[2009m10] 301.30 -
Nov-09	3.018	2.007	1.011			[2009m11] 301.80 -
Dec-09	3.018	2.009	1.009			[2009m12] 301.80 -
Jan-10	3.162	2.054	1.108			[2010m1] 316.20 -
Feb-10	3.152	2.044	1.108			[2010m2] 315.20 -
Mar-10	3.126	2.018	1.108			[2010m3] 312.60 -
Apr-10	3.100	1.992	1.108			[2010m4] 310.00 -
May-10	3.083	1.975	1.108			[2010m5] 308.30 -
Jun-10	3.078	1.970	1.108			[2010m6] 307.80 -
Jul-10	3.086	1.978	1.108			[2010m7] 308.60 -
Aug-10	3.107	1.999	1.108			[2010m8] 310.70 -
Sep-10	3.141	2.033	1.108			[2010m9] 314.10 -
Oct-10	3.144	2.036	1.108			[2010m10] 314.40 -
Nov-10	3.147	2.039	1.108			[2010m11] 314.70 -
Dec-10	3.150	2.042	1.108			[2010m12] 315.00 -
2011	3.393	2.281	1.112			[2011] 339.30 -
2012	3.505	2.359	1.146			[2012] 350.50 -
2013	3.605	2.427	1.178			[2013] 360.50 -
2014	3.724	2.519	1.205			[2014] 372.40 -
2015	3.834	2.600	1.234			[2015] 383.40 -

SPOT ONLY

Incremental w/o EA - Crystal River

Year	Total (\$/MMBtu)	Commodity (\$/MMBtu)	Transport (\$/MMBtu)	Heat Content (Btu/lb)	SO2 Content (lbs/MMBtu)	
Nov-07	2.905	2.001	0.904			
Dec-07	2.919	2.016	0.903			
Jan-08	2.968	2.061	0.907			
Feb-08	2.967	2.060	0.907			
Mar-08	2.983	2.076	0.907			
Apr-08	3.018	2.103	0.915			
May-08	3.012	2.093	0.919			
Jun-08	3.021	2.098	0.923			
Jul-08	3.046	2.129	0.917			
Aug-08	3.097	2.180	0.917			
Sep-08	3.124	2.207	0.917			
Oct-08	3.163	2.248	0.915			
Nov-08	3.193	2.278	0.915			
Dec-08	3.213	2.298	0.915			
Jan-09	3.220	2.296	0.924			
Feb-09	3.201	2.277	0.924			
Mar-09	3.169	2.245	0.924			
Apr-09	3.140	2.211	0.929			
May-09	3.120	2.187	0.933			
Jun-09	3.105	2.172	0.933			
Jul-09	3.097	2.172	0.925			
Aug-09	3.109	2.184	0.925			
Sep-09	3.127	2.204	0.923			
Oct-09	3.148	2.222	0.926			
Nov-09	3.151	2.225	0.926			
Dec-09	3.154	2.228	0.926			
Jan-10	3.290	2.329	0.961			
Feb-10	3.280	2.319	0.961			
Mar-10	3.245	2.284	0.961			
Apr-10	3.212	2.251	0.961			
May-10	2.797	1.851	0.946			
Jun-10	2.790	1.844	0.946			
Jul-10	2.796	1.850	0.946			
Aug-10	2.814	1.868	0.946			
Sep-10	2.844	1.898	0.946			
Oct-10	2.847	1.901	0.946			
Nov-10	2.526	1.595	0.931			
Dec-10	2.528	1.597	0.931			
2011	2.611	1.713	0.898			
2012	2.691	1.773	0.918			
2013	2.766	1.826	0.940			
2014	2.857	1.895	0.962			
2015	2.918	1.953	0.965			

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PEF-LNN000523

Coal Forecast - Florida
HIGH CASE

Year	SPOT ONLY Incremental w/o EA - Crystal River 1 & 2				
	(\$/MMBtu)	(\$/MMBtu)	(\$/MMBtu)	(Btu/lb)	(lbs/MMBtu)
	Total	Commodity	Transport	Heat Content	SO2 Content
Nov-07	3.007	1.987	1.020		
Dec-07	3.041	2.024	1.017		
Jan-08	3.145	2.141	1.004		
Feb-08	3.171	2.169	1.002		
Mar-08	3.201	2.200	1.001		
Apr-08	3.198	2.197	1.001		
May-08	3.189	2.189	1.000		
Jun-08	3.187	2.187	1.000		
Jul-08	3.212	2.211	1.001		
Aug-08	3.237	2.237	1.000		
Sep-08	3.270	2.270	1.000		
Oct-08	3.295	2.301	0.994		
Nov-08	3.321	2.327	0.994		
Dec-08	3.334	2.340	0.994		
Jan-09	3.456	2.463	0.993		
Feb-09	3.436	2.443	0.993		
Mar-09	3.404	2.411	0.993		
Apr-09	3.364	2.378	0.986		
May-09	3.339	2.353	0.986		
Jun-09	3.325	2.339	0.986		
Jul-09	3.329	2.339	0.990		
Aug-09	3.340	2.350	0.990		
Sep-09	3.358	2.368	0.990		
Oct-09	3.396	2.386	1.010		
Nov-09	3.401	2.390	1.011		
Dec-09	3.401	2.392	1.009		
Jan-10	3.724	2.616	1.108		
Feb-10	3.714	2.606	1.108		
Mar-10	3.688	2.580	1.108		
Apr-10	3.662	2.554	1.108		
May-10	3.645	2.537	1.108		
Jun-10	3.640	2.532	1.108		
Jul-10	3.648	2.540	1.108		
Aug-10	3.669	2.561	1.108		
Sep-10	3.703	2.595	1.108		
Oct-10	3.706	2.598	1.108		
Nov-10	3.709	2.601	1.108		
Dec-10	3.712	2.604	1.108		
2011	4.097	2.985	1.112		
2012	4.209	3.063	1.146		
2013	4.309	3.131	1.178		
2014	4.428	3.223	1.205		
2015	4.538	3.304	1.234		
2016	4.649	3.377	1.272		
2017	4.759	3.455	1.304		
2018	4.874	3.535	1.339		
2019	4.989	3.609	1.380		
2020	5.092	3.676	1.416		
2021	5.200	3.753	1.447		
2022	5.349	3.866	1.483		
2023	5.475	3.967	1.508		
2024	5.607	4.062	1.545		
2025	5.747	4.163	1.584		
2026	5.859	4.243	1.616		

Year	SPOT ONLY Incremental w/o EA - Crystal River 4 & 5				
	(\$/MMBtu)	(\$/MMBtu)	(\$/MMBtu)	(Btu/lb)	(lbs/MMBtu)
	Total	Commodity	Transport	Heat Content	SO2 Content
Nov-07	3.145	2.241	0.904		
Dec-07	3.159	2.256	0.903		
Jan-08	3.273	2.366	0.907		
Feb-08	3.272	2.365	0.907		
Mar-08	3.288	2.381	0.907		
Apr-08	3.323	2.408	0.915		
May-08	3.317	2.398	0.919		
Jun-08	3.326	2.403	0.923		
Jul-08	3.351	2.434	0.917		
Aug-08	3.402	2.485	0.917		
Sep-08	3.429	2.512	0.917		
Oct-08	3.468	2.553	0.915		
Nov-08	3.498	2.583	0.915		
Dec-08	3.518	2.603	0.915		
Jan-09	3.662	2.738	0.924		
Feb-09	3.643	2.719	0.924		
Mar-09	3.611	2.687	0.924		
Apr-09	3.582	2.653	0.929		
May-09	3.562	2.629	0.933		
Jun-09	3.547	2.614	0.933		
Jul-09	3.539	2.614	0.925		
Aug-09	3.551	2.626	0.925		
Sep-09	3.569	2.646	0.923		
Oct-09	3.590	2.664	0.926		
Nov-09	3.593	2.667	0.926		
Dec-09	3.596	2.670	0.926		
Jan-10	3.875	2.914	0.961		
Feb-10	3.865	2.904	0.961		
Mar-10	3.830	2.869	0.961		
Apr-10	3.797	2.836	0.961		
May-10	3.176	2.230	0.946		
Jun-10	3.169	2.223	0.946		
Jul-10	3.175	2.229	0.946		
Aug-10	3.193	2.247	0.946		
Sep-10	3.223	2.277	0.946		
Oct-10	3.226	2.280	0.946		
Nov-10	2.810	1.879	0.931		
Dec-10	2.812	1.881	0.931		
2011	2.968	2.070	0.898		
2012	3.048	2.130	0.918		
2013	3.123	2.183	0.940		
2014	3.214	2.252	0.962		
2015	3.275	2.310	0.965		
2016	3.359	2.369	0.990		
2017	3.444	2.430	1.014		
2018	3.536	2.497	1.039		
2019	3.624	2.558	1.066		
2020	3.700	2.609	1.091		
2021	3.781	2.667	1.114		
2022	3.890	2.753	1.137		
2023	3.991	2.831	1.160		
2024	4.088	2.903	1.185		
2025	4.188	2.979	1.209		
2026	4.273	3.039	1.234		

Commodity Prepared by: Elaine Parker
Commodity Approved by:

Prepared on: 10/4/07
Approved on:

Transportation Prepared by: Elaine Parker
Transportation Approved by:

Prepared on:
Approved on:

Department: RFD

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PEF-LNN000524

Coal Forecast - Florida
LOW CASE

Year	SPOT ONLY Incremental w/o EA - Crystal River 1 & 2					SPOT ONLY Incremental w/o EA - Crystal River 4 & 5				
	(\$/MMBtu)	(\$/MMBtu)	(\$/MMBtu)	(Btu/lb)	(lbs/MMBtu)	(\$/MMBtu)	(\$/MMBtu)	(\$/MMBtu)	(Btu/lb)	(lbs/MMBtu)
	Total	Commodity	Transport	Heat Content	SO2 Content	Total	Commodity	Transport	Heat Content	SO2 Content
Nov-07	2.619	1.599	1.020			2.665	1.761	0.904		
Dec-07	2.653	1.636	1.017			2.679	1.776	0.903		
Jan-08	2.633	1.629	1.004			2.663	1.756	0.907		
Feb-08	2.659	1.657	1.002			2.662	1.755	0.907		
Mar-08	2.689	1.688	1.001			2.678	1.771	0.907		
Apr-08	2.686	1.685	1.001			2.713	1.798	0.915		
May-08	2.677	1.677	1.000			2.707	1.788	0.919		
Jun-08	2.675	1.675	1.000			2.716	1.793	0.923		
Jul-08	2.700	1.699	1.001			2.741	1.824	0.917		
Aug-08	2.725	1.725	1.000			2.792	1.875	0.917		
Sep-08	2.758	1.758	1.000			2.819	1.902	0.917		
Oct-08	2.783	1.789	0.994			2.858	1.943	0.915		
Nov-08	2.809	1.815	0.994			2.888	1.973	0.915		
Dec-08	2.822	1.828	0.994			2.908	1.993	0.915		
Jan-09	2.690	1.697	0.993			2.778	1.854	0.924		
Feb-09	2.670	1.677	0.993			2.759	1.835	0.924		
Mar-09	2.638	1.645	0.993			2.727	1.803	0.924		
Apr-09	2.598	1.612	0.986			2.698	1.769	0.929		
May-09	2.573	1.587	0.986			2.678	1.745	0.933		
Jun-09	2.559	1.573	0.986			2.663	1.730	0.933		
Jul-09	2.563	1.573	0.990			2.655	1.730	0.925		
Aug-09	2.574	1.584	0.990			2.667	1.742	0.925		
Sep-09	2.592	1.602	0.990			2.685	1.762	0.923		
Oct-09	2.630	1.620	1.010			2.706	1.780	0.926		
Nov-09	2.635	1.624	1.011			2.709	1.783	0.926		
Dec-09	2.635	1.626	1.009			2.712	1.786	0.926		
Jan-10	2.600	1.492	1.108			2.705	1.744	0.961		
Feb-10	2.590	1.482	1.108			2.695	1.734	0.961		
Mar-10	2.564	1.456	1.108			2.660	1.699	0.961		
Apr-10	2.538	1.430	1.108			2.627	1.666	0.961		
May-10	2.521	1.413	1.108			2.418	1.472	0.946		
Jun-10	2.516	1.408	1.108			2.411	1.465	0.946		
Jul-10	2.524	1.416	1.108			2.417	1.471	0.946		
Aug-10	2.545	1.437	1.108			2.435	1.489	0.946		
Sep-10	2.579	1.471	1.108			2.465	1.519	0.946		
Oct-10	2.582	1.474	1.108			2.468	1.522	0.946		
Nov-10	2.585	1.477	1.108			2.242	1.311	0.931		
Dec-10	2.588	1.480	1.108			2.244	1.313	0.931		
2011	2.689	1.577	1.112			2.254	1.356	0.898		
2012	2.801	1.655	1.146			2.334	1.416	0.918		
2013	2.901	1.723	1.178			2.409	1.469	0.940		
2014	3.020	1.815	1.205			2.500	1.538	0.962		
2015	3.130	1.896	1.234			2.561	1.596	0.965		
2016	3.241	1.969	1.272			2.645	1.655	0.990		
2017	3.351	2.047	1.304			2.730	1.716	1.014		
2018	3.466	2.127	1.339			2.822	1.783	1.039		
2019	3.581	2.201	1.380			2.910	1.844	1.066		
2020	3.684	2.268	1.416			2.986	1.895	1.091		
2021	3.792	2.345	1.447			3.067	1.953	1.114		
2022	3.941	2.458	1.483			3.176	2.039	1.137		
2023	4.067	2.559	1.508			3.277	2.117	1.160		
2024	4.199	2.654	1.545			3.374	2.189	1.185		
2025	4.339	2.755	1.584			3.474	2.265	1.209		
2026	4.451	2.835	1.616			3.559	2.325	1.234		

Commodity Prepared by: Elaine Parker Prepared on: 10/4/07
Commodity Approved by: Approved on:

Transportation Prepared by: Elaine Parker Prepared on:
Transportation Approved by: Approved on:

Department: RFD

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PEF-LNN000525

Coal Forecast - Florida

Generic Future - High Sulfur

Generating Unit Name	Base			High		Low	
	(\$/MMBtu)			(\$/MMBtu)		(\$/MMBtu)	
	Year	Total	Commodity	Transport	Total	Commodity	Total
Nov-07	2,190	1,401	0.789	2,283	1,494	2,097	1,308
Dec-07	2,209	1,420	0.789	2,302	1,513	2,116	1,327
Jan-08	2,293	1,440	0.853	2,415	1,562	2,171	1,318
Feb-08	2,305	1,452	0.853	2,427	1,574	2,183	1,330
Mar-08	2,319	1,466	0.853	2,441	1,588	2,197	1,344
Apr-08	2,322	1,460	0.862	2,444	1,582	2,200	1,338
May-08	2,317	1,451	0.866	2,439	1,573	2,195	1,329
Jun-08	2,316	1,444	0.872	2,438	1,566	2,194	1,322
Jul-08	2,314	1,449	0.865	2,436	1,571	2,192	1,327
Aug-08	2,330	1,465	0.865	2,452	1,587	2,208	1,343
Sep-08	2,356	1,491	0.865	2,478	1,613	2,234	1,369
Oct-08	2,392	1,528	0.864	2,514	1,650	2,270	1,406
Nov-08	2,402	1,538	0.864	2,524	1,660	2,280	1,416
Dec-08	2,418	1,554	0.864	2,540	1,678	2,296	1,432
Jan-09	2,426	1,553	0.873	2,604	1,731	2,248	1,375
Feb-09	2,413	1,540	0.873	2,591	1,718	2,235	1,362
Mar-09	2,389	1,516	0.873	2,567	1,694	2,211	1,338
Apr-09	2,370	1,490	0.880	2,548	1,668	2,192	1,312
May-09	2,355	1,471	0.884	2,533	1,649	2,177	1,293
Jun-09	2,345	1,461	0.884	2,523	1,639	2,167	1,283
Jul-09	2,337	1,462	0.875	2,515	1,640	2,159	1,284
Aug-09	2,347	1,472	0.875	2,525	1,650	2,169	1,294
Sep-09	2,362	1,490	0.872	2,540	1,668	2,184	1,312
Oct-09	2,389	1,516	0.873	2,567	1,694	2,211	1,338
Nov-09	2,391	1,518	0.873	2,569	1,696	2,213	1,340
Dec-09	2,393	1,520	0.873	2,571	1,698	2,215	1,342
Jan-10	2,475	1,575	0.900	2,712	1,812	2,238	1,338
Feb-10	2,464	1,564	0.900	2,701	1,801	2,227	1,327
Mar-10	2,441	1,541	0.900	2,678	1,778	2,204	1,304
Apr-10	2,418	1,518	0.900	2,655	1,755	2,181	1,281
May-10	2,402	1,502	0.900	2,639	1,739	2,165	1,265
Jun-10	2,395	1,495	0.900	2,632	1,732	2,158	1,258
Jul-10	2,399	1,499	0.900	2,636	1,736	2,162	1,262
Aug-10	2,414	1,514	0.900	2,651	1,751	2,177	1,277
Sep-10	2,441	1,541	0.900	2,678	1,778	2,204	1,304
Oct-10	2,443	1,543	0.900	2,680	1,780	2,206	1,306
Nov-10	2,445	1,545	0.900	2,682	1,782	2,208	1,308
Dec-10	2,447	1,547	0.900	2,684	1,784	2,210	1,310
2011	2,521	1,661	0.860	2,818	1,958	2,224	1,364
2012	2,595	1,717	0.878	2,892	2,014	2,298	1,420
2013	2,665	1,767	0.898	2,962	2,064	2,368	1,470
2014	2,753	1,834	0.919	3,050	2,131	2,456	1,537
2015	2,811	1,893	0.918	3,108	2,190	2,514	1,596
2016	2,886	1,946	0.940	3,183	2,243	2,589	1,649
2017	2,965	2,002	0.963	3,262	2,299	2,668	1,705
2018	3,046	2,060	0.986	3,343	2,357	2,749	1,763
2019	3,124	2,114	1.010	3,421	2,411	2,827	1,817
2020	3,197	2,163	1.034	3,494	2,460	2,900	1,866
2021	3,274	2,219	1.055	3,571	2,516	2,977	1,922
2022	3,377	2,301	1.076	3,674	2,598	3,080	2,004
2023	3,473	2,375	1.098	3,770	2,672	3,176	2,078
2024	3,565	2,444	1.121	3,862	2,741	3,268	2,147
2025	3,660	2,517	1.143	3,957	2,814	3,363	2,220
2026	3,741	2,575	1.166	4,038	2,872	3,444	2,278

Coal Quality Analysis	
	% Weight
moisture	12.00
carbon	60.73
hydrogen	4.22
nitrogen	1.29
sulfur	2.97
ash	11.02
oxygen	7.73
chlorine	0.04
	100.00
CaO	4.91
Heat Content	██████████ Btu/lb.

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Commodity Prepared by: Elaine Parker Prepared on: 10/4/07
 Commodity Approved by: Approved on:

Transportation Prepared by: Elaine Parker Prepared on: 9/13/07
 Transportation Approved by: Approved on: 9/13/07

Department: RFD



March 31, 2008

Subject: Supporting Documentation for Testimony from John Siphers

To Whom it may Concern:

Enclosed with this letter is the supporting documentation for testimony by John Siphers in reference to the Levy Nuclear Need case. Please note that all information contained [REDACTED]

[REDACTED]

In addition [REDACTED]

This information along with excerpts from our electronic databases form the basis of our filing.

If you have any questions, please feel free to contact me at 919.546.4643.

Sincerely,

Daniel E. Long
Engineer -Nuclear Fuel Supply

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Progress Energy Fuel Burn Cost Projection								
Date	Year	ELECTRIC	GAS	COAL	CRUDE	HeatingOil	FuelOil	Nuclear
2/19/2008		PJM	Henry Hub	Nymex	WTI	NYharbor	NYharbor	(mills/KWH)
		Onpeak	Gas	12000_1.6	NYMEX	NYMEX	1.0	PGN budget prediction
		\$/MW	\$/MMBtu	\$/ton	\$/bbl	\$/gal	\$/bbl	
	2001		4.2583	31.2500	26.3754			
	2002		3.2183	26.8333	25.3908	0.6692		
	2003	44.5000	5.3842	32.5542	30.9767	0.8481		
	2004	50.3400	6.1376	53.5833	41.3683	1.0956	29.0901	
	2005	73.0800	8.6157	57.1646	55.3358	1.6133	40.2337	
	2006	68.8233	7.2263	49.5132	64.7433	1.8133	43.5000	
	2007	72.8000	8.4840	55.1500	85.3600	2.5296	71.7000	
	2008	83.3500	9.8100	83.7500	96.9200	2.7278	76.8500	
	2009	77.5000	9.2200	75.9500	93.6900	2.6378	77.7500	
	2010	75.1000	9.0050	73.2500	92.4600	2.6290	79.2459	
	2011	77.5004	8.945	65.79921	92.14		79.10256	
	2012	76.2634	8.944	58.15532	92.09			

Please note that the Nuclear PGN budget prediction is confidential.

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1ST POD

#2

080148

BATES NOS. PEF-LNN-
000530 THROUGH
PEF-LNN-000618

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#2

080148

BATES NOS. PEF-LNN-
000621 THROUGH
PEF-LNN-000757

REDACTED

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#2

080148

BATES NOS. PEF-LNN-
000760 THROUGH
PEF-LNN-000861

REDACTED

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#1

080148

BATES NOS. PEF-LNN-
0001261 THROUGH
PEF-LNN-001292

REDACTED

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080148

BATES NOS. PEF-LNN-
0001295 THROUGH
PEF-LNN-001570

REDACTED