



**William P. Cox**  
**Senior Attorney**  
**Florida Power & Light Company**  
**700 Universe Boulevard**  
**Juno Beach, FL 33408-0420**  
**(561) 304-5662**  
**(561) 691-7135 (Facsimile)**

RECEIVED-FPSC  
14 MAY - 5 PM 1:33  
COMMISSION CLERK

May 5, 2014

**STAFF'S FIRST DATA REQUEST**

Ms. Ann Cole, Director  
Division of the Commission Clerk and Administrative Services  
Florida Public Service Commission  
2540 Shumard Oak Blvd.  
Tallahassee, FL 32399-0850

Re: Docket No. 140068-EQ-Florida Power & Light Company's Petition for Approval of  
a Renewable Energy Tariff and Standard Offer Contract

Dear Ms. Cole:

Please find enclosed for filing an original and five (5) copies of Florida Power & Light Company's responses to Staff's First Set of Data Request in the above mentioned docket.

Thank you for your assistance. Please contact me should you or your staff have any questions regarding this filing.

Sincerely,

William P. Cox  
Senior Attorney  
Florida Bar No. 0093531

WPC/aal  
Enclosures

COM	___
AFD	___
APA	___
ECO	1
ENG	3
GCL	1
IDM	___
TEL	___
CLK	___

**Data Request No. 1:** Please complete the tables below describing payments to a renewable provider based on the proposed tariffs included in the company's revised standard offer contract. Please assume a renewable generator with 50 MW providing firm capacity with an in-service date of January 1, 2015, operating at the minimum capacity factor required for full capacity payments, for a contract duration of 20 years. Please provide the table for the following five scenarios:

- As-Available Energy (Energy Only)
- Normal Capacity Payments
- Levelized Payments
- Early Payments
- Early Levelized Payments

Please also provide an explanation of the method and rate used to calculate the NPV. Please calculate the NPV in 2015 dollars.

**FPL's Response:** Please see Attachment A.

**ATTACHMENT A**

**FPL's Response to Staff's First Data Request No. 1**

Docket No. 140068-EQ Staff's First Data Request No. 1  
 2019 Combined Cycle Avoided Unit

Committed Capacity (MW) 50  
 Capacity Factor (%) 94%  
 Payment Type: Energy Only

	Energy	Capacity Rates	Total Capacity Payments	Energy Rates	Total Energy Payments	Total Payments
	(MWh)	(\$/kW-mo)	(\$)	(\$/MWh)	(\$)	(\$)
2015	411,720	-	-	37.31	15,362,195	15,362,195
2016	412,848	-	-	51.72	21,354,435	21,354,435
2017	411,720	-	-	36.99	15,230,330	15,230,330
2018	411,720	-	-	41.96	17,274,227	17,274,227
2019	411,720	-	-	40.84	16,812,702	16,812,702
2020	412,848	-	-	42.28	17,456,284	17,456,284
2021	411,720	-	-	42.28	17,408,590	17,408,590
2022	411,720	-	-	43.95	18,093,967	18,093,967
2023	411,720	-	-	48.44	19,944,487	19,944,487
2024	412,848	-	-	49.61	20,480,208	20,480,208
2025	411,720	-	-	51.11	21,041,091	21,041,091
2026	411,720	-	-	51.77	21,315,242	21,315,242
2027	411,720	-	-	53.77	22,137,695	22,137,695
2028	412,848	-	-	57.93	23,916,484	23,916,484
2029	411,720	-	-	58.43	24,056,752	24,056,752
2030	411,720	-	-	59.76	24,605,054	24,605,054
2031	411,720	-	-	60.26	24,810,667	24,810,667
2032	412,848	-	-	61.26	25,290,995	25,290,995
2033	411,720	-	-	65.42	26,935,338	26,935,338
2034	411,720	-	-	66.09	27,209,489	27,209,489
Total	8,240,040	-	-		420,736,230	420,736,230
2015 NPV					200,297,623	200,297,623

Docket No. 140068-EQ Staff's First Data Request No. 1  
 2019 Combined Cycle Avoided Unit

Committed Capacity (MW) 50  
 Capacity Factor (%) 94%  
 Payment Type: Normal

	Energy	Capacity Rates	Total Capacity Payments	Energy Rates	Total Energy Payments	Total Payments
	(MWh)	(\$/kW-mo)	(\$)	(\$/MWh)	(\$)	(\$)
2015	411,720	-	-	37.31	15,362,195	15,362,195
2016	412,848	-	-	51.72	21,354,435	21,354,435
2017	411,720	-	-	36.99	15,230,330	15,230,330
2018	411,720	-	-	41.96	17,274,227	17,274,227
2019	411,720	7.65	4,592,387	39.74	16,360,996	20,953,383
2020	412,848	7.88	4,725,644	39.93	16,485,934	21,211,578
2021	411,720	8.10	4,862,786	40.58	16,709,263	21,572,049
2022	411,720	8.34	5,003,927	41.89	17,246,022	22,249,950
2023	411,720	8.58	5,149,183	43.84	18,051,143	23,200,326
2024	412,848	8.83	5,298,676	46.45	19,177,040	24,475,716
2025	411,720	9.09	5,452,529	48.41	19,929,776	25,382,305
2026	411,720	9.35	5,610,869	50.36	20,734,894	26,345,763
2027	411,720	9.62	5,773,829	52.32	21,540,039	27,313,868
2028	412,848	9.90	5,941,543	54.92	22,675,493	28,617,036
2029	411,720	10.19	6,114,152	56.88	23,418,678	29,532,830
2030	411,720	10.49	6,291,798	58.18	23,955,411	30,247,208
2031	411,720	10.79	6,474,628	60.38	24,860,236	31,334,865
2032	412,848	11.10	6,662,796	62.66	25,870,028	32,532,824
2033	411,720	11.43	6,856,456	65.03	26,774,018	33,630,474
2034	411,720	11.76	7,055,771	67.49	27,785,634	34,841,406
Total	8,240,040		91,866,976		410,795,793	502,662,769
2015 NPV			37,469,733		195,272,145	232,741,878

Docket No. 140068-EQ Staff's First Data Request No. 1  
 2019 Combined Cycle Avoided Unit

Committed Capacity (MW) 50  
 Capacity Factor (%) 94%  
 Payment Type: Levelized

	Energy	Capacity Rates	Total Capacity Payments	Energy Rates	Total Energy Payments	Total Payments
	(MWh)	(\$/kW-mo)	(\$)	(\$/MWh)	(\$)	(\$)
2015	411,720	-	-	37.31	15,362,195	15,362,195
2016	412,848	-	-	51.72	21,354,435	21,354,435
2017	411,720	-	-	36.99	15,230,330	15,230,330
2018	411,720	-	-	41.96	17,274,227	17,274,227
2019	411,720	9.16	5,496,330	39.74	16,360,996	21,857,325
2020	412,848	9.16	5,496,330	39.93	16,485,934	21,982,263
2021	411,720	9.16	5,496,330	40.58	16,709,263	22,205,593
2022	411,720	9.16	5,496,330	41.89	17,246,022	22,742,352
2023	411,720	9.16	5,496,330	43.84	18,051,143	23,547,473
2024	412,848	9.16	5,496,330	46.45	19,177,040	24,673,370
2025	411,720	9.16	5,496,330	48.41	19,929,776	25,426,106
2026	411,720	9.16	5,496,330	50.36	20,734,894	26,231,223
2027	411,720	9.16	5,496,330	52.32	21,540,039	27,036,369
2028	412,848	9.16	5,496,330	54.92	22,675,493	28,171,823
2029	411,720	9.16	5,496,330	56.88	23,418,678	28,915,008
2030	411,720	9.16	5,496,330	58.18	23,955,411	29,451,740
2031	411,720	9.16	5,496,330	60.38	24,860,236	30,356,566
2032	412,848	9.16	5,496,330	62.66	25,870,028	31,366,357
2033	411,720	9.16	5,496,330	65.03	26,774,018	32,270,347
2034	411,720	9.16	5,496,330	67.49	27,785,634	33,281,964
<b>Total</b>	<b>8,240,040</b>		<b>87,941,273</b>		<b>410,795,793</b>	<b>498,737,066</b>
<b>2015 NPV</b>			<b>37,469,733</b>		<b>195,272,145</b>	<b>232,741,878</b>

Docket No. 140068-EQ Staff's First Data Request No. 1  
 2019 Combined Cycle Avoided Unit

Committed Capacity (MW) 50  
 Capacity Factor (%) 94%  
 Payment Type: Early

	Energy	Capacity Rates	Total Capacity Payments	Energy Rates	Total Energy Payments	Total Payments
	(MWh)	(\$/kW-mo)	(\$)	(\$/MWh)	(\$)	(\$)
2015	411,720	4.91	2,943,280	37.31	15,362,195	18,305,474
2016	412,848	5.05	3,031,578	51.72	21,354,435	24,386,013
2017	411,720	5.20	3,122,525	36.99	15,230,330	18,352,856
2018	411,720	5.36	3,216,201	41.96	17,274,227	20,490,429
2019	411,720	5.52	3,312,687	39.74	16,360,996	19,673,683
2020	412,848	5.69	3,412,068	39.93	16,485,934	19,898,002
2021	411,720	5.86	3,514,430	40.58	16,709,263	20,223,693
2022	411,720	6.03	3,619,863	41.89	17,246,022	20,865,885
2023	411,720	6.21	3,728,459	43.84	18,051,143	21,779,602
2024	412,848	6.40	3,840,312	46.45	19,177,040	23,017,352
2025	411,720	6.59	3,955,522	48.41	19,929,776	23,885,298
2026	411,720	6.79	4,074,188	50.36	20,734,894	24,809,081
2027	411,720	6.99	4,196,413	52.32	21,540,039	25,736,453
2028	412,848	7.20	4,322,306	54.92	22,675,493	26,997,799
2029	411,720	7.42	4,451,975	56.88	23,418,678	27,870,653
2030	411,720	7.64	4,585,534	58.18	23,955,411	28,540,945
2031	411,720	7.87	4,723,100	60.38	24,860,236	29,583,336
2032	412,848	8.11	4,864,793	62.66	25,870,028	30,734,821
2033	411,720	8.35	5,010,737	65.03	26,774,018	31,784,754
2034	411,720	8.60	5,161,059	67.49	27,785,634	32,946,693
Total	8,240,040		79,087,029		410,795,793	489,882,822
2015 NPV			37,469,733		195,272,145	232,741,878

Docket No. 140068-EQ Staff's First Data Request No. 1  
 2019 Combined Cycle Avoided Unit

Committed Capacity (MW) 50  
 Capacity Factor (%) 94%  
 Payment Type: Early Levelized

	Energy	Capacity Rates	Total Capacity Payments	Energy Rates	Total Energy Payments	Total Payments
2015	411,720	6.14	3,686,676	37.31	15,362,195	19,048,871
2016	412,848	6.14	3,686,676	51.72	21,354,435	25,041,111
2017	411,720	6.14	3,686,676	36.99	15,230,330	18,917,007
2018	411,720	6.14	3,686,676	41.96	17,274,227	20,960,904
2019	411,720	6.14	3,686,676	39.74	16,360,996	20,047,672
2020	412,848	6.14	3,686,676	39.93	16,485,934	20,172,610
2021	411,720	6.14	3,686,676	40.58	16,709,263	20,395,939
2022	411,720	6.14	3,686,676	41.89	17,246,022	20,932,699
2023	411,720	6.14	3,686,676	43.84	18,051,143	21,737,819
2024	412,848	6.14	3,686,676	46.45	19,177,040	22,863,716
2025	411,720	6.14	3,686,676	48.41	19,929,776	23,616,453
2026	411,720	6.14	3,686,676	50.36	20,734,894	24,421,570
2027	411,720	6.14	3,686,676	52.32	21,540,039	25,226,716
2028	412,848	6.14	3,686,676	54.92	22,675,493	26,362,169
2029	411,720	6.14	3,686,676	56.88	23,418,678	27,105,355
2030	411,720	6.14	3,686,676	58.18	23,955,411	27,642,087
2031	411,720	6.14	3,686,676	60.38	24,860,236	28,546,913
2032	412,848	6.14	3,686,676	62.66	25,870,028	29,556,704
2033	411,720	6.14	3,686,676	65.03	26,774,018	30,460,694
2034	411,720	6.14	3,686,676	67.49	27,785,634	31,472,311
Total	8,240,040		73,733,528		410,795,793	484,529,321
2015 NPV			37,469,733		195,272,145	232,741,878



Docket No. 140068-EQ Staff's First Data Request No. 1  
 2018 Combustion Turbine Avoided Unit

Committed Capacity (MW) 50  
 Capacity Factor (%) 94%  
 Payment Type: Energy Only

	Energy	Capacity Rates	Total Capacity Payments	Energy Rates	Total Energy Payments	Total Payments
	(MWh)	(\$/kW-mo)	(\$)	(\$/MWh)	(\$)	(\$)
2015	411,720	-	-	37.31	15,362,195	15,362,195
2016	412,848	-	-	51.72	21,354,435	21,354,435
2017	411,720	-	-	36.99	15,230,330	15,230,330
2018	411,720	-	-	41.96	17,274,227	17,274,227
2019	411,720	-	-	40.84	16,812,702	16,812,702
2020	412,848	-	-	42.28	17,456,284	17,456,284
2021	411,720	-	-	42.28	17,408,590	17,408,590
2022	411,720	-	-	43.95	18,093,967	18,093,967
2023	411,720	-	-	48.44	19,944,487	19,944,487
2024	412,848	-	-	49.61	20,480,208	20,480,208
2025	411,720	-	-	51.11	21,041,091	21,041,091
2026	411,720	-	-	51.77	21,315,242	21,315,242
2027	411,720	-	-	53.77	22,137,695	22,137,695
2028	412,848	-	-	57.93	23,916,484	23,916,484
2029	411,720	-	-	58.43	24,056,752	24,056,752
2030	411,720	-	-	59.76	24,605,054	24,605,054
2031	411,720	-	-	60.26	24,810,667	24,810,667
2032	412,848	-	-	61.26	25,290,995	25,290,995
2033	411,720	-	-	65.42	26,935,338	26,935,338
2034	411,720	-	-	66.09	27,209,489	27,209,489
Total	5,767,464	-	-		420,736,230	420,736,230
2015 NPV			\$0		\$200,297,623	\$200,297,623

Docket No. 140068-EQ Staff's First Data Request No. 1  
 2018 Combustion Turbine Avoided Unit

Committed Capacity (MW) 50  
 Capacity Factor (%) 94%  
 Payment Type: Normal

	Energy	Capacity Rates	Total Capacity Payments	Energy Rates	Total Energy Payments	Total Payments
	(MWh)	(\$/kW-mo)	(\$)	(\$/MWh)	(\$)	(\$)
2015	411,720	-	-	37.31	15,362,195	15,362,195
2016	412,848	-	-	51.72	21,354,435	21,354,435
2017	411,720	-	-	36.99	15,230,330	15,230,330
2018	411,720	4.78	2,868,000	41.96	17,274,227	20,142,227
2019	411,720	4.92	2,952,000	40.84	16,812,702	19,764,702
2020	412,848	5.06	3,036,000	42.28	17,456,284	20,492,284
2021	411,720	5.21	3,126,000	42.28	17,408,590	20,534,590
2022	411,720	5.36	3,216,000	43.95	18,093,967	21,309,967
2023	411,720	5.52	3,312,000	48.44	19,944,487	23,256,487
2024	412,848	5.68	3,408,000	49.61	20,480,208	23,888,208
2025	411,720	5.85	3,510,000	51.11	21,041,091	24,551,091
2026	411,720	6.02	3,612,000	51.77	21,315,242	24,927,242
2027	411,720	6.20	3,720,000	53.77	22,137,695	25,857,695
2028	412,848	6.39	3,833,161	57.93	23,916,484	27,749,646
2029	411,720	6.58	3,945,613	58.43	24,056,752	28,002,364
2030	411,720	6.77	4,061,374	59.76	24,605,054	28,666,428
2031	411,720	6.97	4,180,543	60.26	24,810,667	28,991,210
2032	412,848	7.17	4,303,220	61.26	25,290,995	29,594,215
2033	411,720	7.38	4,429,509	65.42	26,935,338	31,364,846
2034	411,720	7.60	4,559,516	66.09	27,209,489	31,769,005
<b>Total</b>	<b>5,767,464</b>		<b>62,072,936</b>		<b>420,736,230</b>	<b>482,809,166</b>
<b>2015 NPV</b>			<b>\$26,276,278</b>		<b>\$200,297,623</b>	<b>\$226,573,901</b>

Docket No. 140068-EQ Staff's First Data Request No. 1  
 2018 Combustion Turbine Avoided Unit

Committed Capacity (MW) 50  
 Capacity Factor (%) 94%  
 Payment Type: Levelized

	Energy	Capacity Rates	Total Capacity Payments	Energy Rates	Total Energy Payments	Total Payments
	(MWh)	(\$/kW-mo)	(\$)	(\$/MWh)	(\$)	(\$)
2015	411,720	-	-	37.31	15,362,195	15,362,195
2016	412,848	-	-	51.72	21,354,435	21,354,435
2017	411,720	-	-	36.99	15,230,330	15,230,330
2018	411,720	5.79	3,473,440	41.96	17,274,227	20,747,667
2019	411,720	5.79	3,473,440	40.84	16,812,702	20,286,142
2020	412,848	5.79	3,473,440	42.28	17,456,284	20,929,724
2021	411,720	5.79	3,473,440	42.28	17,408,590	20,882,030
2022	411,720	5.79	3,473,440	43.95	18,093,967	21,567,407
2023	411,720	5.79	3,473,440	48.44	19,944,487	23,417,926
2024	412,848	5.79	3,473,440	49.61	20,480,208	23,953,648
2025	411,720	5.79	3,473,440	51.11	21,041,091	24,514,531
2026	411,720	5.79	3,473,440	51.77	21,315,242	24,788,682
2027	411,720	5.79	3,473,440	53.77	22,137,695	25,611,135
2028	412,848	5.79	3,473,440	57.93	23,916,484	27,389,924
2029	411,720	5.79	3,473,440	58.43	24,056,752	27,530,192
2030	411,720	5.79	3,473,440	59.76	24,605,054	28,078,494
2031	411,720	5.79	3,473,440	60.26	24,810,667	28,284,107
2032	412,848	5.79	3,473,440	61.26	25,290,995	28,764,435
2033	411,720	5.79	3,473,440	65.42	26,935,338	30,408,777
2034	411,720	5.79	3,473,440	66.09	27,209,489	30,682,928
<b>Total</b>	<b>5,767,464</b>		<b>59,048,478</b>		<b>420,736,230</b>	<b>479,784,708</b>
<b>2015 NPV</b>			<b>\$26,276,278</b>		<b>\$200,297,623</b>	<b>\$226,573,901</b>

Docket No. 140068-EQ Staff's First Data Request No. 1  
 2018 Combustion Turbine Avoided Unit

Committed Capacity (MW) 50  
 Capacity Factor (%) 94%  
 Payment Type: Early

	Energy	Capacity Rates	Total Capacity Payments	Energy Rates	Total Energy Payments	Total Payments
	(MWh)	(\$/kW-mo)	(\$)	(\$/MWh)	(\$)	(\$)
2015	411,720	-	-	37.31	15,362,195	15,362,195
2016	412,848	-	-	51.72	21,354,435	21,354,435
2017	411,720	4.26	2,555,112	36.99	15,230,330	17,785,443
2018	411,720	4.39	2,631,766	41.96	17,274,227	19,905,993
2019	411,720	4.52	2,710,719	40.84	16,812,702	19,523,421
2020	412,848	4.65	2,792,040	42.28	17,456,284	20,248,325
2021	411,720	4.79	2,875,801	42.28	17,408,590	20,284,391
2022	411,720	4.94	2,962,076	43.95	18,093,967	21,056,043
2023	411,720	5.08	3,050,938	48.44	19,944,487	22,995,424
2024	412,848	5.24	3,142,466	49.61	20,480,208	23,622,674
2025	411,720	5.39	3,236,740	51.11	21,041,091	24,277,831
2026	411,720	5.56	3,333,842	51.77	21,315,242	24,649,084
2027	411,720	5.72	3,433,857	53.77	22,137,695	25,571,552
2028	412,848	5.89	3,536,873	57.93	23,916,484	27,453,357
2029	411,720	6.07	3,642,979	58.43	24,056,752	27,699,731
2030	411,720	6.25	3,752,269	59.76	24,605,054	28,357,323
2031	411,720	6.44	3,864,837	60.26	24,810,667	28,675,504
2032	412,848	6.63	3,980,782	61.26	25,290,995	29,271,777
2033	411,720	6.83	4,100,205	65.42	26,935,338	31,035,543
2034	411,720	7.04	4,223,211	66.09	27,209,489	31,432,700
<b>Total</b>	<b>5,767,464</b>		<b>59,826,513</b>		<b>420,736,230</b>	<b>480,562,744</b>
<b>2015 NPV</b>			<b>\$26,276,278</b>		<b>\$200,297,623</b>	<b>\$226,573,901</b>

Docket No. 140068-EQ Staff's First Data Request No. 1  
 2018 Combustion Turbine Avoided Unit

Committed Capacity (MW) 50  
 Capacity Factor (%) 94%  
 Payment Type: Early Levelized

	Energy	Capacity Rates	Total Capacity Payments	Energy Rates	Total Energy Payments	Total Payments
	(MWh)	(\$/kW-mo)	(\$)	(\$/MWh)	(\$)	(\$)
2015	411,720	-	-	37.31	15,362,195	15,362,195
2016	412,848	-	-	51.72	21,354,435	21,354,435
2017	411,720	5.23	3,139,724	36.99	15,230,330	18,370,054
2018	411,720	5.23	3,139,724	41.96	17,274,227	20,413,951
2019	411,720	5.23	3,139,724	40.84	16,812,702	19,952,426
2020	412,848	5.23	3,139,724	42.28	17,456,284	20,596,008
2021	411,720	5.23	3,139,724	42.28	17,408,590	20,548,313
2022	411,720	5.23	3,139,724	43.95	18,093,967	21,233,691
2023	411,720	5.23	3,139,724	48.44	19,944,487	23,084,210
2024	412,848	5.23	3,139,724	49.61	20,480,208	23,619,931
2025	411,720	5.23	3,139,724	51.11	21,041,091	24,180,814
2026	411,720	5.23	3,139,724	51.77	21,315,242	24,454,965
2027	411,720	5.23	3,139,724	53.77	22,137,695	25,277,418
2028	412,848	5.23	3,139,724	57.93	23,916,484	27,056,208
2029	411,720	5.23	3,139,724	58.43	24,056,752	27,196,476
2030	411,720	5.23	3,139,724	59.76	24,605,054	27,744,778
2031	411,720	5.23	3,139,724	60.26	24,810,667	27,950,391
2032	412,848	5.23	3,139,724	61.26	25,290,995	28,430,718
2033	411,720	5.23	3,139,724	65.42	26,935,338	30,075,061
2034	411,720	5.23	3,139,724	66.09	27,209,489	30,349,212
<b>Total</b>	5,767,464		56,515,026		420,736,230	477,251,257
<b>2015 NPV</b>			\$26,276,278		\$200,297,623	\$226,573,901