



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

April 26, 2016

STAFF'S FIRST DATA REQUEST

-VIA ELECTRONIC FILING-

Ms. Bianca Y. Lherisson, Esq.
Attorney
Office of the General Counsel
Florida Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, FL 32399-0850

Re: Docket No. 160070-EQ - Florida Power & Light Company's Petition for Approval
of a Renewable Energy Tariff and Standard Offer Contract

Dear Ms. Lherisson:

Please find enclosed for filing a copy of Florida Power & Light Company's ("FPL")
responses to Staff's First 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,

s/ William P. Cox

William P. Cox
Senior Attorney
Florida Bar No. 0093531

WPC/msw
Enclosures

1. **Data Request No. 1:** Please complete the following tables describing payments to a renewable provider based on the proposed tariffs included in FPL's revised standard offer contract. Please assume a renewable generator with a 50 MW output providing firm capacity with an in-service date of January 1, 2017, operating at the minimum capacity factor required for full capacity payments and a contract duration of 20 years. Please state the capacity factor assumed for the calculations. Please state the capacity factor assumed for the calculations. Please provide an Excel spreadsheet in support of the calculation, and provide the total Net Present Value (NPV) of all payments in 2017 dollars, with an explanation of the method and rate used to calculate the NPV.

Please provide the completed table for the following five scenarios:

- As-available energy (energy only payments)
- Normal capacity payments
- Levelized payments
- Early payments
- Early levelized payments

FPL's Response: Please see Attachment A.

ATTACHMENT A

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

**Docket No. 160070-EQ Staff's First Data Request - Question 1
2024 Combined Cycle Avoided Unit**

**Committed Capacity (MW) 50
Capacity Factor (%) 96%
Payment Type: Normal**

	Energy	Capacity Rates	Total Capacity Payments	Energy Rates	Total Energy Payments	Total Payments
	(MWh)	(\$/kW-mo)	(\$)	(\$/MWh)	(\$)	(\$)
2017	420,480	-	-	22.13	9,304,050	9,304,050
2018	420,480	-	-	28.08	11,805,694	11,805,694
2019	420,480	-	-	28.31	11,905,882	11,905,882
2020	421,632	-	-	27.01	11,386,515	11,386,515
2021	420,480	-	-	31.55	13,264,780	13,264,780
2022	420,480	-	-	30.22	12,705,554	12,705,554
2023	420,480	-	-	32.69	13,746,036	13,746,036
2024	421,632	8.72	5,229,892	33.09	13,950,626	19,180,518
2025	420,480	8.90	5,341,447	31.21	13,123,321	18,464,768
2026	420,480	9.09	5,455,406	32.23	13,551,717	19,007,123
2027	420,480	9.29	5,571,823	33.28	13,992,066	19,563,889
2028	421,632	9.48	5,690,751	34.35	14,484,226	20,174,977
2029	420,480	9.69	5,812,245	35.03	14,731,443	20,543,687
2030	420,480	9.89	5,936,360	35.73	15,023,939	20,960,299
2031	420,480	10.11	6,063,155	36.44	15,322,278	21,385,433
2032	421,632	10.32	6,192,687	37.16	15,669,425	21,862,112
2033	420,480	10.54	6,325,017	37.90	15,937,021	22,262,038
2034	420,480	10.77	6,460,205	38.65	16,253,644	22,713,850
2035	420,480	11.00	6,598,315	39.42	16,576,598	23,174,913
2036	421,632	11.23	6,739,409	40.69	17,157,425	23,896,834
Total	8,415,360		77,416,712		279,892,239	357,308,950
2017 NPV @7.51% Discount Rate:			28,520,650		134,898,752	163,419,402

**Docket No. 160070-EQ Staff's First Data Request - Question 1
2024 Combined Cycle Avoided Unit**

**Committed Capacity (MW) 50
Capacity Factor (%) 96%
Payment Type: Early**

	Energy	Capacity Rates	Total Capacity Payments	Energy Rates	Total Energy Payments	Total Payments
	(MWh)	(\$/kW-mo)	(\$)	(\$/MWh)	(\$)	(\$)
2017	420,480	-	-	22.13	9,304,050	9,304,050
2018	420,480	-	-	28.08	11,805,694	11,805,694
2019	420,480	-	-	28.31	11,905,882	11,905,882
2020	421,632	5.51	3,303,434	27.01	11,386,515	14,689,949
2021	420,480	5.62	3,369,503	31.55	13,264,780	16,634,282
2022	420,480	5.73	3,436,893	30.22	12,705,554	16,142,447
2023	420,480	5.84	3,505,631	32.69	13,746,036	17,251,666
2024	421,632	5.96	3,575,743	33.09	13,950,626	17,526,369
2025	420,480	6.08	3,647,258	31.21	13,123,321	16,770,579
2026	420,480	6.20	3,720,203	32.23	13,551,717	17,271,920
2027	420,480	6.32	3,794,607	33.28	13,992,066	17,786,673
2028	421,632	6.45	3,870,499	34.35	14,484,226	18,354,725
2029	420,480	6.58	3,947,909	35.03	14,731,443	18,679,352
2030	420,480	6.71	4,026,868	35.73	15,023,939	19,050,806
2031	420,480	6.85	4,107,405	36.44	15,322,278	19,429,683
2032	421,632	6.98	4,189,553	37.16	15,669,425	19,858,978
2033	420,480	7.12	4,273,344	37.90	15,937,021	20,210,365
2034	420,480	7.26	4,358,811	38.65	16,253,644	20,612,455
2035	420,480	7.41	4,445,987	39.42	16,576,598	21,022,585
2036	421,632	7.56	4,534,907	40.69	17,157,425	21,692,332
Total	8,415,360		66,108,554		279,892,239	346,000,793
2017 NPV @7.51% Discount Rate:			28,520,650		134,898,752	163,419,402

**Docket No. 160070-EQ Staff's First Data Request - Question 1
2024 Combined Cycle Avoided Unit**

**Committed Capacity (MW) 50
Capacity Factor (%) 96%
Payment Type: Levelized**

	Energy	Capacity Rates	Total Capacity Payments	Energy Rates	Total Energy Payments	Total Payments
	(MWh)	(\$/kW-mo)	(\$)	(\$/MWh)	(\$)	(\$)
2017	420,480	-	-	22.13	9,304,050	9,304,050
2018	420,480	-	-	28.08	11,805,694	11,805,694
2019	420,480	-	-	28.31	11,905,882	11,905,882
2020	421,632	-	-	27.01	11,386,515	11,386,515
2021	420,480	-	-	31.55	13,264,780	13,264,780
2022	420,480	-	-	30.22	12,705,554	12,705,554
2023	420,480	-	-	32.69	13,746,036	13,746,036
2024	421,632	9.72	5,830,095	33.09	13,950,626	19,780,721
2025	420,480	9.72	5,830,095	31.21	13,123,321	18,953,416
2026	420,480	9.72	5,830,095	32.23	13,551,717	19,381,812
2027	420,480	9.72	5,830,095	33.28	13,992,066	19,822,161
2028	421,632	9.72	5,830,095	34.35	14,484,226	20,314,321
2029	420,480	9.72	5,830,095	35.03	14,731,443	20,561,537
2030	420,480	9.72	5,830,095	35.73	15,023,939	20,854,034
2031	420,480	9.72	5,830,095	36.44	15,322,278	21,152,373
2032	421,632	9.72	5,830,095	37.16	15,669,425	21,499,519
2033	420,480	9.72	5,830,095	37.90	15,937,021	21,767,116
2034	420,480	9.72	5,830,095	38.65	16,253,644	22,083,739
2035	420,480	9.72	5,830,095	39.42	16,576,598	22,406,693
2036	421,632	9.72	5,830,095	40.69	17,157,425	22,987,520
Total	8,415,360		75,791,233		279,892,239	355,683,472
2017 NPV @7.51% Discount Rate:			28,520,650		134,898,752	163,419,402

**Docket No. 160070-EQ Staff's First Data Request - Question 1
2024 Combined Cycle Avoided Unit**

**Committed Capacity (MW) 50
Capacity Factor (%) 96%
Payment Type: Early Levelized**

	Energy	Capacity Rates	Total Capacity Payments	Energy Rates	Total Energy Payments	Total Payments
	(MWh)	(\$/kW-mo)	(\$)	(\$/MWh)	(\$)	(\$)
2017	420,480	-	-	22.13	9,304,050	9,304,050
2018	420,480	-	-	28.08	11,805,694	11,805,694
2019	420,480	-	-	28.31	11,905,882	11,905,882
2020	421,632	6.27	3,759,301	27.01	11,386,515	15,145,816
2021	420,480	6.27	3,759,301	31.55	13,264,780	17,024,081
2022	420,480	6.27	3,759,301	30.22	12,705,554	16,464,855
2023	420,480	6.27	3,759,301	32.69	13,746,036	17,505,337
2024	421,632	6.27	3,759,301	33.09	13,950,626	17,709,927
2025	420,480	6.27	3,759,301	31.21	13,123,321	16,882,623
2026	420,480	6.27	3,759,301	32.23	13,551,717	17,311,018
2027	420,480	6.27	3,759,301	33.28	13,992,066	17,751,367
2028	421,632	6.27	3,759,301	34.35	14,484,226	18,243,527
2029	420,480	6.27	3,759,301	35.03	14,731,443	18,490,744
2030	420,480	6.27	3,759,301	35.73	15,023,939	18,783,240
2031	420,480	6.27	3,759,301	36.44	15,322,278	19,081,579
2032	421,632	6.27	3,759,301	37.16	15,669,425	19,428,726
2033	420,480	6.27	3,759,301	37.90	15,937,021	19,696,322
2034	420,480	6.27	3,759,301	38.65	16,253,644	20,012,946
2035	420,480	6.27	3,759,301	39.42	16,576,598	20,335,899
2036	421,632	6.27	3,759,301	40.69	17,157,425	20,916,726
Total	8,415,360		63,908,119		279,892,239	343,800,358
2017 NPV @7.51% Discount Rate:			28,520,650		134,898,752	163,419,402