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May 31, 2017

STAFF'S FIRST DATA REQUEST

-VIA ELECTRONIC FILING-

Ms. Carlotta Stauffer, Commission Clerk
Office of the General Counsel
Florida Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, FL 32399-0850

Re: Docket No. 170077-EI - Florida Power & Light Company's Petition for Approval of
a Renewable Energy Tariff and Standard Offer Contract

Dear Ms. Stauffer:

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

cc: Takira Thompson & Traci Matthews, Division of Engineering
Kelley Corbari, Office of the General Counsel

**FPL’s Response to Staff’s 1st Data Request No. 1
Docket No. 170077 – 2017 Standard Offer Contract**

- Please complete the following table describing payments to a renewable provider based on the proposed tariffs included in the Utility’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, 2018, 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 calculate the total Net Present Value (NPV) of all payments in 2018 dollars, and also provide an explanation of the method and rate used to calculate the NPV.**

Please provide the completed table for each of the following five scenarios:

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

Please see Attachment No. 1 to this response.

Year	Energy (MWh)	Capacity Rate (\$/kw-mo)	Total Capacity Payments (\$)	Energy Rate (\$/MWh)	Total Energy Payments (\$)	Total Payments (\$)
2018						
2019						
2020						
2021						
2022						
2023						
2024						
2025						
2026						
2027						
2028						
2029						
2030						
2031						
2032						
2033						
2034						
2035						
2036						
2037						
Total (nominal)						
Total (NPV)						

**170077 - FPL's Response to Staff's First Data Request No. 1 - Attachment No. 1
2022 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)	(\$)	(\$)
2018	411,720	-	-	27.20	11,196,987	11,196,987
2019	411,720	-	-	36.23	14,914,763	14,914,763
2020	412,848	-	-	27.00	11,148,008	11,148,008
2021	411,720	-	-	26.68	10,983,680	10,983,680
2022	411,720	-	-	27.21	11,201,416	11,201,416
2023	411,720	-	-	27.04	11,132,500	11,132,500
2024	412,848	-	-	30.28	12,499,976	12,499,976
2025	411,720	-	-	30.17	12,419,655	12,419,655
2026	411,720	-	-	33.31	13,715,425	13,715,425
2027	411,720	-	-	35.58	14,649,504	14,649,504
2028	412,848	-	-	33.77	13,940,959	13,940,959
2029	411,720	-	-	35.64	14,671,755	14,671,755
2030	411,720	-	-	36.41	14,989,481	14,989,481
2031	411,720	-	-	34.91	14,374,561	14,374,561
2032	412,848	-	-	38.52	15,901,607	15,901,607
2033	411,720	-	-	40.37	16,619,972	16,619,972
2034	411,720	-	-	37.89	15,599,743	15,599,743
2035	411,720	-	-	38.86	16,000,911	16,000,911
2036	412,848	-	-	39.95	16,494,526	16,494,526
2037	411,720	-	-	40.46	16,656,528	16,656,528
Total	7,828,320	-	-		262,455,428	262,455,428
2018 NPV@7.57% Discount Rate:			-		134,640,465	134,640,465

**170077 - FPL's Response to Staff's First Data Request No. 1 - Attachment No. 1
2022 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)	(\$)	(\$)
2018	411,720	-	-	27.20	11,196,987	11,196,987
2019	411,720	-	-	36.23	14,914,763	14,914,763
2020	412,848	-	-	27.00	11,148,008	11,148,008
2021	411,720	-	-	26.68	10,983,680	10,983,680
2022	411,720	7.96	4,774,504	22.04	9,075,149	13,849,652
2023	411,720	7.96	4,774,504	24.33	10,018,369	14,792,873
2024	412,848	7.96	4,774,504	25.65	10,588,347	15,362,851
2025	411,720	7.96	4,774,504	26.85	11,054,649	15,829,152
2026	411,720	7.96	4,774,504	27.96	11,512,588	16,287,091
2027	411,720	7.96	4,774,504	29.00	11,940,290	16,714,794
2028	412,848	7.96	4,774,504	29.98	12,377,538	17,152,042
2029	411,720	7.96	4,774,504	30.91	12,727,894	17,502,398
2030	411,720	7.96	4,774,504	31.81	13,096,845	17,871,348
2031	411,720	7.96	4,774,504	32.68	13,454,163	18,228,667
2032	412,848	7.96	4,774,504	33.52	13,840,562	18,615,066
2033	411,720	7.96	4,774,504	34.36	14,145,030	18,919,534
2034	411,720	7.96	4,774,504	35.18	14,483,177	19,257,681
2035	411,720	7.96	4,774,504	35.99	14,818,868	19,593,371
2036	412,848	7.96	4,774,504	36.64	15,125,332	19,899,836
2037	411,720	7.96	4,774,504	37.29	15,353,827	20,128,330
Total	8,240,040		76,392,057		251,856,066	328,248,123
2018 NPV @7.57% Discount Rate:			32,442,880		122,770,524	155,213,405

**170077 - FPL's Response to Staff's First Data Request No. 1 - Attachment No. 1
2022 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
	(MWh)	(\$/kW-mo)	(\$)	(\$/MWh)	(\$)	(\$)
2018	411,720	5.33	3,199,823	27.20	11,196,987	14,396,810
2019	411,720	5.33	3,199,823	36.23	14,914,763	18,114,587
2020	412,848	5.33	3,199,823	27.00	11,148,008	14,347,831
2021	411,720	5.33	3,199,823	26.68	10,983,680	14,183,503
2022	411,720	5.33	3,199,823	22.04	9,075,149	12,274,972
2023	411,720	5.33	3,199,823	24.33	10,018,369	13,218,193
2024	412,848	5.33	3,199,823	25.65	10,588,347	13,788,171
2025	411,720	5.33	3,199,823	26.85	11,054,649	14,254,472
2026	411,720	5.33	3,199,823	27.96	11,512,588	14,712,411
2027	411,720	5.33	3,199,823	29.00	11,940,290	15,140,114
2028	412,848	5.33	3,199,823	29.98	12,377,538	15,577,362
2029	411,720	5.33	3,199,823	30.91	12,727,894	15,927,717
2030	411,720	5.33	3,199,823	31.81	13,096,845	16,296,668
2031	411,720	5.33	3,199,823	32.68	13,454,163	16,653,987
2032	412,848	5.33	3,199,823	33.52	13,840,562	17,040,385
2033	411,720	5.33	3,199,823	34.36	14,145,030	17,344,854
2034	411,720	5.33	3,199,823	35.18	14,483,177	17,683,001
2035	411,720	5.33	3,199,823	35.99	14,818,868	18,018,691
2036	412,848	5.33	3,199,823	36.64	15,125,332	18,325,156
2037	411,720	5.33	3,199,823	37.29	15,353,827	18,553,650
Total	8,240,040		63,996,469		251,856,066	315,852,535
2018 NPV @7.57% Discount Rate:			32,442,880		122,770,524	155,213,405