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July 7, 2015

STAFF'S FIRST DATA REQUEST

-VIA ELECTRONIC FILING-

Ms. Carlotta S. Stauffer
Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, FL 32399-0850

Re: Docket No. 150108-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 a copy of Florida Power & Light Company's amended responses to Staff's First Set of Data Request in the above mentioned docket. This filing amends and replaces FPL's corrected responses filed on June 8, 2015 in this 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

Data Request No. 1: Please complete the following tables 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 a 50 MW output providing firm capacity with an in-service date of January 1, 2016, 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 2016 dollars, and also provide 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 and energy payments
- Levelized payments
- Early payments
- Early levelized payments

FPL's Response: Please see Attachment A.

ATTACHMENT A

FPL's Amended Responses to Staff's First Data Request No. 1

Docket No. 150108-EQ Staff's First Data Request - Question 1
 2023 Combined Cycle Avoided Unit

Committed Capacity (MW) 50
 Capacity Factor (%) 97%
 Payment Type: Energy Only

	Energy	Capacity Rates	Total Capacity Payments	Energy Rates	Total Energy Payments	Total Payments
	(MWh)	(\$/kW-mo)	(\$)	(\$/MWh)	(\$)	(\$)
2016	421,632	-	-	38.36	16,172,047	16,172,047
2017	420,480	-	-	28.88	12,144,514	12,144,514
2018	420,480	-	-	31.72	13,339,027	13,339,027
2019	420,480	-	-	41.20	17,324,126	17,324,126
2020	421,632	-	-	43.02	18,140,014	18,140,014
2021	420,480	-	-	45.77	19,244,318	19,244,318
2022	420,480	-	-	52.55	22,095,523	22,095,523
2023	420,480	-	-	56.76	23,866,795	23,866,795
2024	421,632	-	-	53.08	22,381,983	22,381,983
2025	420,480	-	-	54.17	22,777,402	22,777,402
2026	420,480	-	-	52.61	22,121,803	22,121,803
2027	420,480	-	-	54.38	22,865,002	22,865,002
2028	421,632	-	-	53.26	22,457,174	22,457,174
2029	420,480	-	-	55.13	23,181,763	23,181,763
2030	420,480	-	-	61.28	25,767,014	25,767,014
2031	420,480	-	-	64.29	27,033,360	27,033,360
2032	421,632	-	-	66.91	28,210,694	28,210,694
2033	420,480	-	-	70.76	29,753,866	29,753,866
2034	420,480	-	-	73.28	30,813,826	30,813,826
2035	420,480	-	-	75.98	31,947,720	31,947,720
Total	8,415,360	-	-		451,637,972	451,637,972
2016 NPV @7.51% Discount Rate:					209,258,020	209,258,020

Docket No. 150108-EQ Staff's First Data Request - Question 1
 2023 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)	(\$)	(\$)
2016	421,632	-	-	38.36	16,172,047	16,172,047
2017	420,480	-	-	28.88	12,144,514	12,144,514
2018	420,480	-	-	31.72	13,339,027	13,339,027
2019	420,480	-	-	41.20	17,324,126	17,324,126
2020	421,632	-	-	43.02	18,140,014	18,140,014
2021	420,480	-	-	45.77	19,244,318	19,244,318
2022	420,480	-	-	52.55	22,095,523	22,095,523
2023	420,480	9.81	5,883,851	46.02	19,351,544	25,235,395
2024	421,632	10.01	6,008,485	39.49	16,651,195	22,659,680
2025	420,480	10.23	6,135,785	40.70	17,111,665	23,247,450
2026	420,480	10.44	6,265,810	41.90	17,617,630	23,883,439
2027	420,480	10.66	6,398,617	43.17	18,150,225	24,548,842
2028	421,632	10.89	6,534,268	44.43	18,734,005	25,268,274
2029	420,480	11.12	6,672,825	45.76	19,242,044	25,914,869
2030	420,480	11.36	6,814,349	47.09	19,801,269	26,615,617
2031	420,480	11.60	6,958,905	48.49	20,387,123	27,346,028
2032	421,632	11.84	7,106,559	49.88	21,030,438	28,136,997
2033	420,480	12.10	7,257,378	51.34	21,585,462	28,842,840
2034	420,480	12.35	7,411,431	52.35	22,011,537	29,422,968
2035	420,480	12.61	7,568,787	53.36	22,437,613	30,006,400
Total	8,415,360		87,017,049		372,571,319	459,588,368
2016 NPV @7.51% Discount Rate:			32,062,196		181,232,014	213,294,210

Docket No. 150108-EQ Staff's First Data Request - Question 1
 2023 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)	(\$)	(\$)
2016	421,632	-	-	38.36	16,172,047	16,172,047
2017	420,480	-	-	28.88	12,144,514	12,144,514
2018	420,480	-	-	31.72	13,339,027	13,339,027
2019	420,480	-	-	41.20	17,324,126	17,324,126
2020	421,632	-	-	43.02	18,140,014	18,140,014
2021	420,480	-	-	45.77	19,244,318	19,244,318
2022	420,480	-	-	52.55	22,095,523	22,095,523
2023	420,480	10.92	6,554,160	46.02	19,351,544	25,905,703
2024	421,632	10.92	6,554,160	39.49	16,651,195	23,205,354
2025	420,480	10.92	6,554,160	40.70	17,111,665	23,665,824
2026	420,480	10.92	6,554,160	41.90	17,617,630	24,171,789
2027	420,480	10.92	6,554,160	43.17	18,150,225	24,704,384
2028	421,632	10.92	6,554,160	44.43	18,734,005	25,288,165
2029	420,480	10.92	6,554,160	45.76	19,242,044	25,796,204
2030	420,480	10.92	6,554,160	47.09	19,801,269	26,355,428
2031	420,480	10.92	6,554,160	48.49	20,387,123	26,941,283
2032	421,632	10.92	6,554,160	49.88	21,030,438	27,584,597
2033	420,480	10.92	6,554,160	51.34	21,585,462	28,139,621
2034	420,480	10.92	6,554,160	52.35	22,011,537	28,565,697
2035	420,480	10.92	6,554,160	53.36	22,437,613	28,991,773
Total	8,415,360		85,204,075		372,571,319	457,775,394
2016 NPV @7.51% Discount Rate:			32,062,753		181,232,014	213,294,767

Docket No. 150108-EQ Staff's First Data Request - Question 1
 2023 Combined Cycle Avoided Unit

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

	Energy (MWh)	Capacity Rates (\$/kW-mo)	Total Capacity Payments (\$)	Energy Rates (\$/MWh)	Total Energy Payments (\$)	Total Payments (\$)
2016	421,632	-	-	38.36	16,172,047	16,172,047
2017	420,480	-	-	28.88	12,144,514	12,144,514
2018	420,480	-	-	31.72	13,339,027	13,339,027
2019	420,480	6.19	3,713,682	41.20	17,324,126	21,037,809
2020	421,632	6.31	3,787,956	43.02	18,140,014	21,927,970
2021	420,480	6.44	3,863,715	45.77	19,244,318	23,108,034
2022	420,480	6.57	3,940,989	52.55	22,095,523	26,036,513
2023	420,480	6.70	4,019,809	46.02	19,351,544	23,371,353
2024	421,632	6.83	4,100,205	39.49	16,651,195	20,751,400
2025	420,480	6.97	4,182,210	40.70	17,111,665	21,293,874
2026	420,480	7.11	4,265,854	41.90	17,617,630	21,883,484
2027	420,480	7.25	4,351,171	43.17	18,150,225	22,501,396
2028	421,632	7.40	4,438,194	44.43	18,734,005	23,172,200
2029	420,480	7.54	4,526,958	45.76	19,242,044	23,769,002
2030	420,480	7.70	4,617,497	47.09	19,801,269	24,418,766
2031	420,480	7.85	4,709,847	48.49	20,387,123	25,096,970
2032	421,632	8.01	4,804,044	49.88	21,030,438	25,834,482
2033	420,480	8.17	4,900,125	51.34	21,585,462	26,485,587
2034	420,480	8.33	4,998,128	52.35	22,011,537	27,009,665
2035	420,480	8.50	5,098,090	53.36	22,437,613	27,535,703
Total	8,415,360		74,318,476		372,571,319	446,889,794
2016 NPV @7.51% Discount Rate:			32,062,586		181,232,014	213,294,600

Docket No. 150108-EQ Staff's First Data Request - Question 1
 2023 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
2016	421,632	-	-	38.36	16,172,047	16,172,047
2017	420,480	-	-	28.88	12,144,514	12,144,514
2018	420,480	-	-	31.72	13,339,027	13,339,027
2019	420,480	7.04	4,226,185	41.20	17,324,126	21,550,312
2020	421,632	7.04	4,226,185	43.02	18,140,014	22,366,200
2021	420,480	7.04	4,226,185	45.77	19,244,318	23,470,504
2022	420,480	7.04	4,226,185	52.55	22,095,523	26,321,709
2023	420,480	7.04	4,226,185	46.02	19,351,544	23,577,729
2024	421,632	7.04	4,226,185	39.49	16,651,195	20,877,380
2025	420,480	7.04	4,226,185	40.70	17,111,665	21,337,850
2026	420,480	7.04	4,226,185	41.90	17,617,630	21,843,815
2027	420,480	7.04	4,226,185	43.17	18,150,225	22,376,410
2028	421,632	7.04	4,226,185	44.43	18,734,005	22,960,191
2029	420,480	7.04	4,226,185	45.76	19,242,044	23,468,230
2030	420,480	7.04	4,226,185	47.09	19,801,269	24,027,454
2031	420,480	7.04	4,226,185	48.49	20,387,123	24,613,309
2032	421,632	7.04	4,226,185	49.88	21,030,438	25,256,623
2033	420,480	7.04	4,226,185	51.34	21,585,462	25,811,647
2034	420,480	7.04	4,226,185	52.35	22,011,537	26,237,723
2035	420,480	7.04	4,226,185	53.36	22,437,613	26,663,799
Total	8,415,360		71,845,153		372,571,319	444,416,472
2016 NPV @7.51% Discount Rate:			32,062,756		181,232,014	213,294,770