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-VIA ELECTRONIC FILING-

Mr. Adam Teitzman
Commission Cle
Florida Public Service Commission
2540 Shumard Oak Blvd.
Tallahsee, FL 32399-0850

Re: Docket No. 20190082-EQ
FPL's Response to Staff's First Data Request

Dear Mr. Teitzman:

Attached is Florida Power & Light Company's response to Staff's First Data Request (No. 1) in Docket No. 20190082-EQ.

Please contact me if you or your Staff has any questions regarding this filing.

Sincerely,

s/ Joel T. Baker
Joel T. Baker
Principal Attorney

JTB
Enclosure

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QUESTION:

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, 2020, 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 2020 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

RESPONSE:

Please see Attachment No. 1 to this response.

2026 CC Avoided Unit

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

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	Energy (MWh)	Capacity Rates (\$/kW-mo)	Total Capacity Payments (\$)	Energy Rates (\$/MWh)	Total Energy Payments (\$)	Total Payments (\$)
2020	412,848	-	-	20.17	8,327,715	8,327,715
2021	411,720	-	-	19.37	7,973,232	7,973,232
2022	411,720	-	-	18.92	7,790,040	7,790,040
2023	411,720	-	-	19.48	8,020,892	8,020,892
2024	412,848	-	-	21.61	8,920,478	8,920,478
2025	411,720	-	-	24.65	10,150,679	10,150,679
2026	411,720	-	-	25.98	10,696,499	10,696,499
2027	411,720	-	-	26.83	11,044,849	11,044,849
2028	412,848	-	-	27.16	11,213,159	11,213,159
2029	411,720	-	-	28.33	11,662,617	11,662,617
2030	411,720	-	-	29.72	12,237,305	12,237,305
2031	411,720	-	-	31.44	12,943,255	12,943,255
2032	412,848	-	-	33.52	13,837,062	13,837,062
2033	411,720	-	-	33.01	13,592,290	13,592,290
2034	411,720	-	-	33.93	13,971,583	13,971,583
2035	411,720	-	-	32.21	13,260,721	13,260,721
2036	412,848	-	-	32.34	13,353,409	13,353,409
2037	411,720	-	-	35.06	14,435,271	14,435,271
2038	411,720	-	-	33.82	13,924,815	13,924,815
2039	411,720	-	-	37.31	15,361,148	15,361,148
Total	8,240,040	-	-		232,717,019	232,717,019
Total NPV @7.73% Discount Rate		-	-		106,878,052	106,878,052

2026 CC Avoided Unit

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

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	Energy (MWh)	Capacity Rates (\$/kW-mo)	Total Capacity Payments (\$)	Energy Rates (\$/MWh)	Total Energy Payments (\$)	Total Payments (\$)
2020	412,848	-	-	20.17	8,327,715	8,327,715
2021	411,720	-	-	19.37	7,973,232	7,973,232
2022	411,720	-	-	18.92	7,790,040	7,790,040
2023	411,720	-	-	19.48	8,020,892	8,020,892
2024	412,848	-	-	21.61	8,920,478	8,920,478
2025	411,720	-	-	24.65	10,150,679	10,150,679
2026	411,720	5.45	3,269,867	25.36	10,440,453	13,710,320
2027	411,720	5.59	3,351,614	26.17	10,776,351	14,127,965
2028	412,848	5.73	3,435,404	27.31	11,274,045	14,709,449
2029	411,720	5.87	3,521,289	28.32	11,658,234	15,179,523
2030	411,720	6.02	3,609,322	29.20	12,021,392	15,630,714
2031	411,720	6.17	3,699,555	29.95	12,332,631	16,032,186
2032	412,848	6.32	3,792,044	30.65	12,652,523	16,444,566
2033	411,720	6.48	3,886,845	31.31	12,890,306	16,777,150
2034	411,720	6.64	3,984,016	31.97	13,162,723	17,146,739
2035	411,720	6.81	4,083,616	32.60	13,422,107	17,505,723
2036	412,848	6.98	4,185,707	33.23	13,718,931	17,904,637
2037	411,720	7.15	4,290,349	33.86	13,940,831	18,231,180
2038	411,720	7.33	4,397,608	34.49	14,200,193	18,597,801
2039	411,720	7.51	4,507,548	35.15	14,472,567	18,980,116
Total	8,240,040		54,014,784		228,146,323	282,161,107
Total NPV @7.73% Discount Rate			20,068,832		105,188,960	125,257,793

2026 CC Avoided Unit

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

	Energy (MWh)	Capacity Rates (\$/kW-mo)	Total Capacity Payments (\$)	Energy Rates (\$/MWh)	Total Energy Payments (\$)	Total Payments (\$)
2020	412,848	-	-	20.17	8,327,715	8,327,715
2021	411,720	-	-	19.37	7,973,232	7,973,232
2022	411,720	-	-	18.92	7,790,040	7,790,040
2023	411,720	-	-	19.48	8,020,892	8,020,892
2024	412,848	-	-	21.61	8,920,478	8,920,478
2025	411,720	-	-	24.65	10,150,679	10,150,679
2026	411,720	6.24	3,745,824	25.36	10,440,453	14,186,277
2027	411,720	6.24	3,745,824	26.17	10,776,351	14,522,175
2028	412,848	6.24	3,745,824	27.31	11,274,045	15,019,869
2029	411,720	6.24	3,745,824	28.32	11,658,234	15,404,058
2030	411,720	6.24	3,745,824	29.20	12,021,392	15,767,217
2031	411,720	6.24	3,745,824	29.95	12,332,631	16,078,455
2032	412,848	6.24	3,745,824	30.65	12,652,523	16,398,347
2033	411,720	6.24	3,745,824	31.31	12,890,306	16,636,130
2034	411,720	6.24	3,745,824	31.97	13,162,723	16,908,548
2035	411,720	6.24	3,745,824	32.60	13,422,107	17,167,931
2036	412,848	6.24	3,745,824	33.23	13,718,931	17,464,755
2037	411,720	6.24	3,745,824	33.86	13,940,831	17,686,655
2038	411,720	6.24	3,745,824	34.49	14,200,193	17,946,017
2039	411,720	6.24	3,745,824	35.15	14,472,567	18,218,392
Total	8,240,040		52,441,541		228,146,323	280,587,863
Total NPV @7.73% Discount Rate			20,068,653		105,188,960	125,257,613

2026 CC Avoided Unit

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

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	Energy (MWh)	Capacity Rates (\$/kW-mo)	Total Capacity Payments (\$)	Energy Rates (\$/MWh)	Total Energy Payments (\$)	Total Payments (\$)
2020	412,848	-	-	20.17	8,327,715	8,327,715
2021	411,720	-	-	19.37	7,973,232	7,973,232
2022	411,720	3.43	2,058,560	18.92	7,790,040	9,848,600
2023	411,720	3.52	2,110,024	19.48	8,020,892	10,130,916
2024	412,848	3.60	2,162,775	21.61	8,920,478	11,083,253
2025	411,720	3.69	2,216,844	24.65	10,150,679	12,367,523
2026	411,720	3.79	2,272,265	25.36	10,440,453	12,712,718
2027	411,720	3.88	2,329,072	26.17	10,776,351	13,105,423
2028	412,848	3.98	2,387,299	27.31	11,274,045	13,661,343
2029	411,720	4.08	2,446,981	28.32	11,658,234	14,105,215
2030	411,720	4.18	2,508,155	29.20	12,021,392	14,529,548
2031	411,720	4.28	2,570,859	29.95	12,332,631	14,903,490
2032	412,848	4.39	2,635,131	30.65	12,652,523	15,287,654
2033	411,720	4.50	2,701,009	31.31	12,890,306	15,591,315
2034	411,720	4.61	2,768,534	31.97	13,162,723	15,931,258
2035	411,720	4.73	2,837,748	32.60	13,422,107	16,259,855
2036	412,848	4.85	2,908,691	33.23	13,718,931	16,627,622
2037	411,720	4.97	2,981,409	33.86	13,940,831	16,922,240
2038	411,720	5.09	3,055,944	34.49	14,200,193	17,256,137
2039	411,720	5.22	3,132,343	35.15	14,472,567	17,604,910
Total	8,240,040		46,083,642		228,146,323	274,229,965
Total NPV @7.73% Discount Rate			20,067,662		105,188,960	125,256,622

2026 CC Avoided Unit

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

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	Energy (MWh)	Capacity Rates (\$/kW-mo)	Total Capacity Payments (\$)	Energy Rates (\$/MWh)	Total Energy Payments (\$)	Total Payments (\$)
2020	412,848	-	-	20.17	8,327,715	8,327,715
2021	411,720	-	-	19.37	7,973,232	7,973,232
2022	411,720	4.06	2,438,702	18.92	7,790,040	10,228,742
2023	411,720	4.06	2,438,702	19.48	8,020,892	10,459,595
2024	412,848	4.06	2,438,702	21.61	8,920,478	11,359,180
2025	411,720	4.06	2,438,702	24.65	10,150,679	12,589,381
2026	411,720	4.06	2,438,702	25.36	10,440,453	12,879,155
2027	411,720	4.06	2,438,702	26.17	10,776,351	13,215,053
2028	412,848	4.06	2,438,702	27.31	11,274,045	13,712,747
2029	411,720	4.06	2,438,702	28.32	11,658,234	14,096,936
2030	411,720	4.06	2,438,702	29.20	12,021,392	14,460,095
2031	411,720	4.06	2,438,702	29.95	12,332,631	14,771,333
2032	412,848	4.06	2,438,702	30.65	12,652,523	15,091,225
2033	411,720	4.06	2,438,702	31.31	12,890,306	15,329,008
2034	411,720	4.06	2,438,702	31.97	13,162,723	15,601,426
2035	411,720	4.06	2,438,702	32.60	13,422,107	15,860,809
2036	412,848	4.06	2,438,702	33.23	13,718,931	16,157,633
2037	411,720	4.06	2,438,702	33.86	13,940,831	16,379,533
2038	411,720	4.06	2,438,702	34.49	14,200,193	16,638,895
2039	411,720	4.06	2,438,702	35.15	14,472,567	16,911,270
Total	8,240,040		43,896,643		228,146,323	272,042,965
Total NPV @7.73% Discount Rate			20,067,372		105,188,960	125,256,332