

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In Re: Petition by Duke Energy Florida
for approval of amended standard
offer contract.

Docket No. 130249-EI
Filed: October 29, 2013

DUKE ENERGY FLORIDA'S RESPONSES TO STAFF'S FIRST DATA REQUEST

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, 2014, operating at the minimum capacity factor required for full capacity payments, for a contract duration of 20 years. Please provide the following scenarios:**
 - **As-Available Energy (Energy Only)**
 - **Normal Capacity Payments**
 - **Levelized Payments**
 - **Early Payments**
 - **Early Levelized Payments**

Year	Energy	Capacity Rate	Total Capacity Payments	Energy Rate	Total Energy Payments	Total Payments
	(MWh)	(\$/kw-mo)	(\$)	(\$/MWh)	(\$)	(\$)
2014						
2015						
2016						
2017						
2018						
2019						
2020						
2021						
2022						
2023						
2024						
2025						
2026						
2027						
2028						
2029						
2030						
2031						
2032						
2033						

Committed Capacity (MW)
Capacity Factor (%)
Payment Type

50
87%
As Available Energy Only

	Energy (MWH)	Capacity Rates (\$/kw-month)	Total Capacity Payments (\$000)	Energy Rates (\$/MWh)	Total Energy Payments (\$000)	Total Payments to Renewable Provider (\$000)
2014	381,060	\$ -	-	\$ 40.18	15,311	15,311
2015	381,060	\$ -	-	\$ 42.83	16,322	16,322
2016	382,104	\$ -	-	\$ 44.83	17,131	17,131
2017	381,060	\$ -	-	\$ 49.03	18,685	18,685
2018	381,060	\$ -	-	\$ 51.25	19,528	19,528
2019	381,060	\$ -	-	\$ 54.54	20,783	20,783
2020	382,104	\$ -	-	\$ 56.54	21,605	21,605
2021	381,060	\$ -	-	\$ 59.57	22,701	22,701
2022	381,060	\$ -	-	\$ 63.01	24,012	24,012
2023	381,060	\$ -	-	\$ 67.55	25,742	25,742
2024	382,104	\$ -	-	\$ 68.01	25,986	25,986
2025	381,060	\$ -	-	\$ 70.19	26,745	26,745
2026	381,060	\$ -	-	\$ 73.21	27,898	27,898
2027	381,060	\$ -	-	\$ 75.40	28,732	28,732
2028	382,104	\$ -	-	\$ 75.37	28,798	28,798
2029	381,060	\$ -	-	\$ 76.67	29,215	29,215
2030	381,060	\$ -	-	\$ 81.31	30,985	30,985
2031	381,060	\$ -	-	\$ 87.75	33,438	33,438
2032	382,104	\$ -	-	\$ 88.25	33,720	33,720
2033	381,060	\$ -	-	\$ 92.24	35,150	35,150

Committed Capacity (MW)
Capacity Factor (%)
Payment Type

50
87%
Normal

	Energy (MWH)	Capacity Rates (\$/kw-month)	Total Capacity Payments (\$000)	Energy Rates (\$/MWh)	Total Energy Payments (\$000)	Total Payments to Renewable Provider (\$000)
2014	381,060	\$ -	-	\$ 40.18	15,311	15,311
2015	381,060	\$ -	-	\$ 42.83	16,323	16,323
2016	382,104	\$ -	-	\$ 44.83	17,131	17,131
2017	381,060	\$ -	-	\$ 49.03	18,685	18,685
2018	381,060	\$ -	-	\$ 51.25	19,528	19,528
2019	381,060	\$ -	-	\$ 54.54	20,783	20,783
2020	382,104	\$ -	-	\$ 56.54	21,605	21,605
2021	381,060	\$ 9.90	5,938	\$ 58.04	22,115	28,053
2022	381,060	\$ 10.14	6,086	\$ 60.55	23,072	29,158
2023	381,060	\$ 10.40	6,238	\$ 64.05	24,408	30,646
2024	382,104	\$ 10.66	6,394	\$ 66.54	25,425	31,820
2025	381,060	\$ 10.92	6,554	\$ 68.26	26,012	32,566
2026	381,060	\$ 11.20	6,718	\$ 71.99	27,432	34,151
2027	381,060	\$ 11.48	6,886	\$ 73.27	27,922	34,808
2028	382,104	\$ 11.76	7,058	\$ 74.34	28,406	35,464
2029	381,060	\$ 12.06	7,235	\$ 75.87	28,910	36,145
2030	381,060	\$ 12.36	7,416	\$ 79.17	30,170	37,585
2031	381,060	\$ 12.67	7,601	\$ 82.98	31,622	39,223
2032	382,104	\$ 12.99	7,791	\$ 86.45	33,033	40,824
2033	381,060	\$ 13.31	7,986	\$ 90.13	34,344	42,330

Committed Capacity (MW)
Capacity Factor (%)
Payment Type

50
87%
Levelized

	Energy (MWh)	Capacity Rates (\$/kw-month)	Total Capacity Payments (\$000)	Energy Rates (\$/MWh)	Total Energy Payments (\$000)	Total Payments to Renewable Provider (\$000)
2014	381,060	\$ -	-	\$ 40.18	15,311	15,311
2015	381,060	\$ -	-	\$ 42.83	16,323	16,323
2016	382,104	\$ -	-	\$ 44.83	17,131	17,131
2017	381,060	\$ -	-	\$ 49.03	18,685	18,685
2018	381,060	\$ -	-	\$ 51.25	19,528	19,528
2019	381,060	\$ -	-	\$ 54.54	20,783	20,783
2020	382,104	\$ -	-	\$ 56.54	21,605	21,605
2021	381,060	\$ 11.19	6,713	\$ 58.04	22,115	28,829
2022	381,060	\$ 11.21	6,723	\$ 60.55	23,072	29,795
2023	381,060	\$ 11.22	6,733	\$ 64.05	24,408	31,141
2024	382,104	\$ 11.24	6,744	\$ 66.54	25,425	32,169
2025	381,060	\$ 11.26	6,754	\$ 68.26	26,012	32,766
2026	381,060	\$ 11.28	6,765	\$ 71.99	27,432	34,197
2027	381,060	\$ 11.29	6,776	\$ 73.27	27,922	34,698
2028	382,104	\$ 11.31	6,787	\$ 74.34	28,406	35,193
2029	381,060	\$ 11.33	6,799	\$ 75.87	28,910	35,710
2030	381,060	\$ 11.35	6,811	\$ 79.17	30,170	36,981
2031	381,060	\$ 11.37	6,823	\$ 82.98	31,622	38,445
2032	382,104	\$ 11.39	6,836	\$ 86.45	33,033	39,869
2033	381,060	\$ 11.41	6,849	\$ 90.13	34,344	41,193

Committed Capacity (MW)
Capacity Factor (%)
Payment Type

50
87%
Early

	Energy (MWh)	Capacity Rates (\$/kw-month)	Total Capacity Payments (\$000)	Energy Rates (\$/MWh)	Total Energy Payments (\$000)	Total Payments to Renewable Provider (\$000)
2014	381,060	\$ 4.67	2,804	\$ 40.18	15,311	18,115
2015	381,060	\$ 4.79	2,874	\$ 42.83	16,323	19,197
2016	382,104	\$ 4.91	2,946	\$ 44.83	17,131	20,078
2017	381,060	\$ 5.03	3,020	\$ 49.03	18,685	21,705
2018	381,060	\$ 5.16	3,095	\$ 51.25	19,528	22,623
2019	381,060	\$ 5.29	3,173	\$ 54.54	20,783	23,956
2020	382,104	\$ 5.42	3,252	\$ 56.54	21,605	24,857
2021	381,060	\$ 5.56	3,333	\$ 58.04	22,115	25,449
2022	381,060	\$ 5.69	3,417	\$ 60.55	23,072	26,489
2023	381,060	\$ 5.84	3,502	\$ 64.05	24,408	27,910
2024	382,104	\$ 5.98	3,590	\$ 66.54	25,425	29,015
2025	381,060	\$ 6.13	3,679	\$ 68.26	26,012	29,691
2026	381,060	\$ 6.29	3,771	\$ 71.99	27,432	31,204
2027	381,060	\$ 6.44	3,866	\$ 73.27	27,922	31,787
2028	382,104	\$ 6.60	3,962	\$ 74.34	28,406	32,368
2029	381,060	\$ 6.77	4,061	\$ 75.87	28,910	32,972
2030	381,060	\$ 6.94	4,163	\$ 79.17	30,170	34,333
2031	381,060	\$ 7.11	4,267	\$ 82.98	31,622	35,889
2032	382,104	\$ 7.29	4,374	\$ 86.45	33,033	37,407
2033	381,060	\$ 7.47	4,483	\$ 90.13	34,344	38,827

Committed Capacity (MW)
 Capacity Factor (%)
 Payment Type

50
 87%
 Early Levelized

	Energy (MWH)	Capacity Rates (\$/kw-month)	Total Capacity Payments (\$000)	Energy Rates (\$/MWh)	Total Energy Payments (\$000)	Total Payments to Renewable Provider (\$000)
2014	381,060	\$ 5.61	3,365	\$ 40.18	15,311	18,676
2015	381,060	\$ 5.62	3,370	\$ 42.83	16,323	19,692
2016	382,104	\$ 5.62	3,374	\$ 44.83	17,131	20,506
2017	381,060	\$ 5.63	3,379	\$ 49.03	18,685	22,064
2018	381,060	\$ 5.64	3,384	\$ 51.25	19,528	22,912
2019	381,060	\$ 5.65	3,389	\$ 54.54	20,783	24,172
2020	382,104	\$ 5.66	3,395	\$ 56.54	21,605	24,999
2021	381,060	\$ 5.67	3,400	\$ 58.04	22,115	25,515
2022	381,060	\$ 5.68	3,405	\$ 60.55	23,072	26,477
2023	381,060	\$ 5.69	3,411	\$ 64.05	24,408	27,819
2024	382,104	\$ 5.69	3,417	\$ 66.54	25,425	28,842
2025	381,060	\$ 5.70	3,423	\$ 68.26	26,012	29,435
2026	381,060	\$ 5.71	3,429	\$ 71.99	27,432	30,861
2027	381,060	\$ 5.73	3,435	\$ 73.27	27,922	31,357
2028	382,104	\$ 5.74	3,441	\$ 74.34	28,406	31,847
2029	381,060	\$ 5.75	3,448	\$ 75.87	28,910	32,358
2030	381,060	\$ 5.76	3,455	\$ 79.17	30,170	33,625
2031	381,060	\$ 5.77	3,462	\$ 82.98	31,622	35,083
2032	382,104	\$ 5.78	3,469	\$ 86.45	33,033	36,502
2033	381,060	\$ 5.79	3,476	\$ 90.13	34,344	37,820

Respectfully Submitted,

/s/ Matthew R. Bernier

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CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing has been served on Lee Eng Tan, Esq., via electronic mail this 29th day of October, 2013.

/s/ Matthew R. Bernier

Matthew R. Bernier