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FPL's response to Staff's First
Production of Documents No. 1

**Florida Power & Light Company
Docket No. 20220007-EI
Staff's First Request for Production of Documents
Request No. 1
Page 1 of 1**

QUESTION:

Please provide copies of FPL's Solar Plant Operation Status Reports for 2017 through 2021 that include the Martin Next Generation Solar Energy Center.

RESPONSE:

Documents responsive to this request are provided as Bates Nos. 000002 to 000006.

Florida Power & Light Company
Actual Data for Next Generation Solar Centers
Environmental Cost Recovery Clause
Period of: Year-to-Date (January - December) 2017

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)	
1	DESOTO	25	48,199	22.0%	0.04%	119,889,804
2	SPACE COAST	10	17,555	20.0%	0.01%	
3	MARTIN SOLAR	75	12,157	1.9%	0.01%	
4	Total	110	77,911	8.1%	0.06%	

	Natural Gas Displaced (MCF)	⁽²⁾ Cost of NG (\$/MCF)	Oil Displaced (Bbls)	⁽²⁾ Cost of Oil (\$/Bbl)	Coal Displaced (Tons)	⁽³⁾ Cost of Coal (\$/Ton)	
5	DESOTO	289,736	\$4.36	1,473	\$77.89	7,568	\$74.76
6	SPACE COAST	104,976	\$4.36	599	\$77.89	2,802	\$74.76
7	MARTIN SOLAR	100,163	\$4.36	843	\$77.89	976	\$74.76
8	Total	494,875	\$2,158,622	2,915	\$227,061	11,345	\$848,143

		CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)
9	DESOTO	33,523	32.9	17.8	0.20
10	SPACE COAST	12,623	12.5	7.1	0.08
11	MARTIN SOLAR	4,954	4.6	2.4	0.02
12	Total	51,100	50.0	27.4	0.30

		O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
13	DESOTO	\$520,796	\$11,581,234	\$5,185,329	(\$1,778,496)	\$0	\$15,508,862
14	SPACE COAST	\$200,413	\$5,365,044	\$2,350,023	(\$754,452)	\$0	\$7,161,028
15	MARTIN SOLAR	\$5,197,449	\$34,339,622	\$12,251,567	(\$4,826,352)	\$0	\$46,962,286
16	Total	\$5,918,657	\$51,285,900	\$19,786,919	(\$7,359,300)	\$0	\$69,632,176

(1) Net Generation data represents a calendar month.

(2) Total System Net Generation from Schedule A3. Fuel Cost per unit data from Schedule A3.

(3) Fuel Cost per unit data from Schedule A4.

(4) Carrying Cost data represents return on average net investment.

(5) Capital Cost data represents depreciation expense on net investment.

(6) Other Cost data represents dismantlement costs and amortization on ITC.

Florida Power & Light Company
Actual Data for Next Generation Solar Centers
Environmental Cost Recovery Clause
Period of: Year-to-Date (January - December) 2018

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)	
1	DESOTO	25	46,881	21.4%	0.04%	124,185,521
2	SPACE COAST	10	17,546	20.0%	0.01%	
3	MARTIN SOLAR	75	51,444	7.8%	0.04%	
4	Total	110	115,871	12.0%	0.09%	

		Natural Gas Displaced (MCF)	⁽²⁾ Cost of NG (\$/MCF)	Oil Displaced (Bbls)	⁽²⁾ Cost of Oil (\$/Bbl)	Coal Displaced (Tons)	⁽³⁾ Cost of Coal (\$/Ton)
5	DESOTO	398,980	\$4.40	1,925	\$85.59	1,665	\$41.44
6	SPACE COAST	152,064	\$4.40	711	\$85.59	594	\$41.44
7	MARTIN SOLAR	484,234	\$4.40	3,036	\$85.59	1,768	\$41.44
8	Total	1,035,279	\$4,554,338	5,671	\$485,411	4,026	\$166,838

		CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)
9	DESOTO	27,452	11.9	2.3	0.05
10	SPACE COAST	10,377	4.5	0.9	0.02
11	MARTIN SOLAR	33,211	14.5	3.2	0.04
12	Total	71,040	30.9	6.4	0.11

		O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
13	DESOTO	\$639,323	\$9,300,697	\$5,196,723	(\$1,778,496)	\$0	\$13,358,247
14	SPACE COAST	\$298,832	\$4,312,022	\$2,346,429	(\$754,452)	\$0	\$6,202,831
15	MARTIN SOLAR	\$4,583,474	\$27,944,584	\$12,276,079	(\$4,826,352)	\$0	\$39,977,786
16	Total	\$5,521,629	\$41,557,303	\$19,819,232	(\$7,359,300)	\$0	\$59,538,863

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Florida Power & Light Company
Actual Data for Next Generation Solar Centers
Environmental Cost Recovery Clause
Period of: Year-to-Date (January - December) 2019

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)
1 DESOTO	25	45,755	20.9%	0.04%	126,378,446
2 SPACE COAST	10	16,553	18.9%	0.01%	
3 MARTIN SOLAR	75	29,325	4.5%	0.02%	
4 Total	110	91,633	9.5%	0.07%	

	Natural Gas Displaced (MCF)	⁽²⁾ Cost of NG (\$/MCF)	Oil Displaced (Bbls)	⁽²⁾ Cost of Oil (\$/Bbl)	Coal Displaced (Tons)	⁽³⁾ Cost of Coal (\$/Ton)
5 DESOTO	363,983	\$4.07	1,967	\$76.98	1,718	\$44.25
6 SPACE COAST	131,298	\$4.07	726	\$76.98	643	\$44.25
7 MARTIN SOLAR	229,474	\$4.07	1,098	\$76.98	1,679	\$44.25
8 Total	724,755	\$2,949,155	3,791	\$291,835	4,040	\$178,774

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)
9 DESOTO	25,514	11.7	3.9	0.04
10 SPACE COAST	9,254	4.3	1.5	0.02
11 MARTIN SOLAR	16,385	7.6	2.6	0.04
12 Total	51,153	23.6	8.1	0.10

	O&M (\$)	⁽⁴⁾⁽⁷⁾⁽⁸⁾⁽⁹⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
13 DESOTO	\$758,349	\$8,867,366	\$5,199,597	(\$1,778,496)	\$0	\$13,046,815
14 SPACE COAST	\$263,904	\$4,120,089	\$2,345,901	(\$754,452)	\$0	\$5,975,442
15 MARTIN SOLAR	\$3,887,091	\$27,117,902	\$12,312,709	(\$4,826,352)	\$0	\$38,491,350
16 Total	\$4,909,344	\$40,105,356	\$19,858,207	(\$7,359,300)	\$0	\$57,513,608

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Florida Power & Light Company
Actual Data for Next Generation Solar Centers
Environmental Cost Recovery Clause
Period of: Year-to-Date (January - December) 2020

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)	
1	DESOTO	25	43,355	19.8%	0.03%	129,007,780
2	SPACE COAST	10	15,937	18.2%	0.01%	
3	MARTIN SOLAR	75	29,714	4.5%	0.02%	
4	Total	110	89,006	9.2%	0.07%	

		Natural Gas Displaced (MCF)	⁽²⁾ Cost of NG (\$/MCF)	Oil Displaced (Bbls)	⁽²⁾ Cost of Oil (\$/Bbl)	Coal Displaced (Tons)	⁽³⁾ Cost of Coal (\$/Ton)
5	DESOTO	294,055	\$3.49	601	\$74.02	3,892	\$46.59
6	SPACE COAST	109,183	\$3.49	207	\$74.02	1,387	\$46.59
7	MARTIN SOLAR	185,641	\$3.49	460	\$74.02	4,595	\$46.59
8	Total	588,879	\$2,058,094	1,267	\$93,817	9,874	\$460,000

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	24,573	11.3	1.7	0.08
10	SPACE COAST	9,011	4.1	0.6	0.03
11	MARTIN SOLAR	19,356	9.4	1.4	0.10
12	Total	52,940	24.9	3.8	0.21

		O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
13	DESOTO	\$557,431	\$8,526,218	\$5,195,888	(\$1,778,496)	\$0	\$12,501,041
14	SPACE COAST	\$198,138	\$3,972,369	\$2,343,381	(\$754,452)	\$0	\$5,759,437
15	MARTIN SOLAR	\$4,861,127	\$26,572,975	\$12,335,271	(\$4,826,352)	\$0	\$38,943,020
16	Total	\$5,616,696	\$39,071,562	\$19,874,540	(\$7,359,300)	\$0	\$57,203,498

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Florida Power & Light Company
Actual Data for Next Generation Solar Centers
Environmental Cost Recovery Clause
Period of: Year-to-Date (January - December) 2021

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)	
1	DESOTO	25	43,401	19.8%	0.03%	127,220,962
2	SPACE COAST	10	16,447	18.8%	0.01%	
3	MARTIN SOLAR	75	28,626	4.4%	0.02%	
4	Total	110	88,474	9.2%	0.07%	

		Natural Gas Displaced (MCF)	⁽²⁾ Cost of NG (\$/MCF)	Oil Displaced (Bbls)	⁽²⁾ Cost of Oil (\$/Bbl)	Coal Displaced (Tons)	⁽³⁾ Cost of Coal (\$/Ton)
5	DESOTO	287,157	\$5.37	887	\$73.75	2,492	\$48.08
6	SPACE COAST	109,363	\$5.37	284	\$73.75	913	\$48.08
7	MARTIN SOLAR	201,528	\$5.37	1,074	\$73.75	1,714	\$48.08
8	Total	598,048	\$3,209,431	2,246	\$165,628	5,119	\$246,160

		CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)
9	DESOTO	21,855	9.7	2.3	0.05
10	SPACE COAST	8,230	3.6	0.8	0.02
11	MARTIN SOLAR	15,503	7.2	2.7	0.04
12	Total	45,588	20.4	5.8	0.11

		O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
13	DESOTO	\$620,286	\$7,977,736	\$5,190,373	(\$1,778,496)	\$0	\$12,009,898
14	SPACE COAST	\$189,389	\$3,728,259	\$2,339,199	(\$754,452)	\$0	\$5,502,396
15	MARTIN SOLAR	\$3,993,453	\$25,350,105	\$12,365,336	(\$4,826,352)	\$0	\$36,882,542
16	Total	\$4,803,129	\$37,056,100	\$19,894,908	(\$7,359,300)	\$0	\$54,394,836

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