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October 20, 2016

-VIA ELECTRONIC FILING -

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

Re: Docket No. 160007-EI

Dear Ms. Stauffer:

I enclose for electronic filing in the above docket; Florida Power & Light Company's ("FPL") Solar Plant Operation Status Report for the month of September 2016, in accordance with Stipulation III.F. that was approved in Order No. PSC-11-0083-FOF-EI, Docket No. 100007-EI, dated January 31, 2011.

Also enclosed is a revised Solar Plant Operation Status Report for August 2016, revised to reflect propane burned at Ft. Lauderdale in the cost of oil displaced.

If there are any questions regarding this transmittal, please contact me at (561) 304-5639.

Sincerely,

s/ John T. Butler
John T. Butler

Enclosures

cc: Counsel for Parties of Record (w/encl.)

CERTIFICATE OF SERVICE
Docket No. 160007-EI

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished by electronic service on this 20th day of October 2016, to the following:

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By: s/John T. Butler
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Florida Power & Light Company
 Actual Data for Next Generation Solar Centers
 Environmental Cost Recovery Clause
 Period of: August 2016

Hour of Day	System Firm Demand (MW)	Average Hourly Net Output (kWh)			
		DESOTO	SPACE COAST	MARTIN SOLAR	
1	1	13,904	(52)	(17)	(368)
2	2	13,005	(52)	(17)	(400)
3	3	12,390	(51)	(17)	(460)
4	4	12,002	(51)	(17)	(466)
5	5	11,893	(50)	(17)	(469)
6	6	12,209	(50)	(17)	(506)
7	7	12,883	(52)	(17)	(521)
8	8	13,323	2,158	304	(581)
9	9	14,441	11,046	1,841	43
10	10	15,984	14,461	3,584	6,664
11	11	17,540	15,450	5,524	15,234
12	12	18,861	15,991	6,381	22,570
13	13	19,874	15,990	6,905	24,499
14	14	20,597	14,744	6,898	26,178
15	15	20,937	13,717	6,565	25,961
16	16	21,014	12,633	5,397	26,816
17	17	20,820	10,310	4,565	21,570
18	18	20,373	6,630	2,834	16,373
19	19	19,695	3,567	1,225	14,501
20	20	18,900	690	178	9,785
21	21	18,580	(68)	(29)	3,917
22	22	17,680	(55)	(23)	678
23	23	16,413	(53)	(18)	(286)
24	24	15,039	(52)	(17)	(342)

Florida Power & Light Company
Actual Data for Next Generation Solar Centers
Environmental Cost Recovery Clause
Period of: August 2016

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)
1 DESOTO	25	4,241	22.8%	0.04%	11,427,570
2 SPACE COAST	10	1,612	21.7%	0.01%	
3 MARTIN SOLAR	75	6,522	11.7%	0.06%	
4 Total	110	12,375	15.1%	0.11%	

	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	36,720	\$3.98	1,098	\$89.72	(0)	\$41.82
6 SPACE COAST	14,223	\$3.98	412	\$89.72	(0)	\$41.82
7 MARTIN SOLAR	64,514	\$3.98	1,405	\$89.72	(1)	\$41.82
8 Total	115,457	\$459,252	2,915	\$261,502	(1)	(\$43)

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)
9 DESOTO	2,700	2.9	1.5	0.00
10 SPACE COAST	1,039	1.1	0.6	0.00
11 MARTIN SOLAR	4,498	5.0	1.9	0.00
12 Total	8,238	8.9	4.0	0.01

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
13 DESOTO	\$61,874	\$1,026,569	\$407,726	(\$299,672)	\$0	\$1,196,497
14 SPACE COAST	\$15,808	\$470,911	\$195,406	(\$64,351)	\$0	\$617,774
15 MARTIN SOLAR	\$257,903	\$2,973,251	\$1,164,994	(\$422,904)	\$0	\$3,973,244
16 Total	\$335,585	\$4,470,731	\$1,768,126	(\$786,927)	\$0	\$5,787,514

- (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 - August) 2016

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)	
1	DESOTO	25	34,200	23.4%	0.04%	80,525,778
2	SPACE COAST	10	12,961	22.1%	0.02%	
3	MARTIN SOLAR	75	60,361	13.7%	0.07%	
4	Total	110	107,522	16.7%	0.13%	

	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	186,118	\$3.86	4,134	\$94.77	5,696	\$65.00
6	SPACE COAST	71,278	\$3.86	1,537	\$94.77	2,155	\$65.00
7	MARTIN SOLAR	348,160	\$3.86	4,701	\$94.77	10,479	\$65.00
8	Total	605,555	\$2,336,118	10,373	\$983,004	18,329	\$1,191,336

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	23,939	25.8	22.4	0.15
10	SPACE COAST	9,145	9.9	8.7	0.06
11	MARTIN SOLAR	43,059	45.4	39.0	0.26
12	Total	76,143	81.0	70.1	0.47

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$495,743	\$8,314,203	\$3,366,578	(\$1,380,024)	\$0	\$10,796,500
14	SPACE COAST	\$118,839	\$3,797,206	\$1,563,447	(\$514,808)	\$0	\$4,964,684
15	MARTIN SOLAR	\$2,369,804	\$23,947,100	\$9,321,888	(\$3,383,232)	\$0	\$32,255,560
16	Total	\$2,984,386	\$36,058,509	\$14,251,914	(\$5,278,064)	\$0	\$48,016,745

- (1) Net Generation data represents a calendar month.
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- (5) Capital Cost data represents depreciation expense on net investment.
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Florida Power & Light Company
 Actual Data for Next Generation Solar Centers
 Environmental Cost Recovery Clause
 Period of: September 2016

Hour of Day	System Firm Demand (MW)	Average Hourly Net Output (kWh)			
		DESOTO	SPACE COAST	MARTIN SOLAR	
1	1	13,904	(50)	(17)	(328)
2	2	13,005	(50)	(18)	(384)
3	3	12,390	(49)	(18)	(446)
4	4	12,002	(49)	(18)	(455)
5	5	11,893	(49)	(18)	(461)
6	6	12,209	(49)	(18)	(472)
7	7	12,883	(51)	(18)	(493)
8	8	13,323	989	194	(528)
9	9	14,441	10,470	1,936	(598)
10	10	15,984	14,584	3,780	4,685
11	11	17,540	16,412	5,278	14,566
12	12	18,861	15,575	6,229	20,592
13	13	19,874	15,636	6,637	25,393
14	14	20,597	14,920	6,001	21,809
15	15	20,937	14,263	5,940	21,862
16	16	21,014	13,626	4,958	21,956
17	17	20,820	11,225	3,508	18,301
18	18	20,373	8,819	1,798	14,773
19	19	19,695	4,239	678	12,572
20	20	18,900	222	18	5,565
21	21	18,580	(58)	(26)	1,012
22	22	17,680	(52)	(19)	(233)
23	23	16,413	(51)	(18)	(272)
24	24	15,039	(50)	(17)	(299)

Florida Power & Light Company
Actual Data for Next Generation Solar Centers
Environmental Cost Recovery Clause
Period of: September 2016

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)	
1	DESOTO	25	4,213	23.4%	0.04%	10,948,105
2	SPACE COAST	10	1,403	19.5%	0.01%	
3	MARTIN SOLAR	75	5,344	9.9%	0.05%	
4	Total	110	10,959	13.8%	0.10%	

	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	25,320	\$4.08	22	\$82.90	784	\$66.81
6	SPACE COAST	9,068	\$4.08	9	\$82.90	241	\$66.81
7	MARTIN SOLAR	41,417	\$4.08	70	\$82.90	700	\$66.81
8	Total	75,805	\$309,488	102	\$8,415	1,725	\$115,224

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	3,166	3.3	0.8	0.02
10	SPACE COAST	1,042	1.1	0.3	0.01
11	MARTIN SOLAR	3,933	3.3	0.7	0.02
12	Total	8,141	7.7	1.8	0.04

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$38,282	\$1,013,216	\$421,118	(\$154,336)	\$0	\$1,318,280
14	SPACE COAST	\$18,442	\$469,228	\$195,406	(\$64,351)	\$0	\$618,726
15	MARTIN SOLAR	\$251,867	\$2,964,757	\$1,165,036	(\$422,904)	\$0	\$3,958,756
16	Total	\$308,592	\$4,447,202	\$1,781,559	(\$641,591)	\$0	\$5,895,762

- (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 - September) 2016

	Net Capability (MW)	⁽¹⁾ Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	⁽²⁾ Total System Net Generation (MWh)
1	DESOTO	25	38,413	23.4%	91,473,883
2	SPACE COAST	10	14,363	21.8%	
3	MARTIN SOLAR	75	65,704	13.3%	
4	Total	110	118,480	16.4%	

	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	211,438	\$3.88	4,156	\$94.65	6,479	\$65.15
6	SPACE COAST	80,346	\$3.88	1,546	\$94.65	2,395	\$65.15
7	MARTIN SOLAR	389,576	\$3.88	4,772	\$94.65	11,179	\$65.15
8	Total	681,360	\$2,645,606	10,474	\$991,419	20,054	\$1,306,560

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	27,105	29.1	23.2	0.17
10	SPACE COAST	10,186	11.0	8.9	0.06
11	MARTIN SOLAR	46,993	48.7	39.8	0.28
12	Total	84,284	88.7	71.8	0.51

	O&M (\$)	⁽⁴⁾ Carrying Costs (\$)	⁽⁵⁾ Capital (\$)	⁽⁶⁾ Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$534,025	\$9,327,420	\$3,787,696	(\$1,534,360)	\$0	\$12,114,781
14	SPACE COAST	\$137,282	\$4,266,434	\$1,758,853	(\$579,159)	\$0	\$5,583,410
15	MARTIN SOLAR	\$2,621,671	\$26,911,857	\$10,486,924	(\$3,806,136)	\$0	\$36,214,316
16	Total	\$3,292,978	\$40,505,711	\$16,033,473	(\$5,919,655)	\$0	\$53,912,507

- (1) Net Generation data represents a calendar month.
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- (5) Capital Cost data represents depreciation expense on net investment.
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