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FPL's response to Staff's Fifth Set of  
Interrogatories No. 28

**Florida Power & Light Company  
Docket No. 20210007-EI  
Staff's 5th Set of Interrogatories  
Interrogatory No. 28  
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**QUESTION:**

**Please refer to the August 2021 Solar Report filed on September 20, 2021, Document No. 11304-2021 and the July 2021 Solar Report filed August 20, 2021, Document No. 09583-2021 for the following question. Please verify that the emissions reductions for July 2021 and August 2021 were the same for both months. If they were not the same, please provide an updated report for the incorrect month.**

**RESPONSE:**

Attachment I to this response provides a revised report for August 2021 reflecting corrected emissions reductions. FPL will file a revised August 2021 report that includes the corrected emissions reductions amounts in the September 2021 Solar Report being filed on October 20th.

Florida Power & Light Company  
Actual Data for Next Generation Solar Centers  
Environmental Cost Recovery Clause  
Period of: August 2021

			Average Hourly Net Output (kWh)		
	Hour of Day	System Firm Demand (MW)	DESOTO	SPACE COAST	MARTIN SOLAR
1	1	14,586	(52)	(19)	(201)
2	2	13,712	(52)	(19)	(212)
3	3	13,079	(51)	(18)	(227)
4	4	12,671	(51)	(18)	(222)
5	5	12,520	(51)	(18)	(217)
6	6	12,744	(51)	(18)	(214)
7	7	13,215	(54)	(19)	(235)
8	8	13,628	1,454	272	(330)
9	9	14,877	7,585	1,539	(587)
10	10	16,526	10,931	3,166	217
11	11	18,113	12,068	4,627	4,349
12	12	19,520	12,500	5,989	8,391
13	13	20,598	12,515	6,461	11,524
14	14	21,332	13,374	6,038	11,833
15	15	21,737	12,213	5,636	10,130
16	16	21,851	11,727	5,166	9,573
17	17	21,720	9,133	3,606	9,406
18	18	21,330	5,439	2,341	8,663
19	19	20,637	2,746	990	6,600
20	20	19,746	507	135	2,145
21	21	19,179	(65)	(29)	(104)
22	22	18,248	(54)	(24)	(168)
23	23	16,998	(53)	(21)	(180)
24	24	15,683	(53)	(19)	(190)

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Florida Power & Light Company  
Actual Data for Next Generation Solar Centers  
Environmental Cost Recovery Clause  
Period of: August 2021

	Net Capability (MW)	<sup>(1)</sup> Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	<sup>(2)</sup> Total System Net Generation (MWh)
1 DESOTO	25	3,460	18.6%	0.03%	13,004,489
2 SPACE COAST	10	1,418	19.1%	0.01%	
3 MARTIN SOLAR	75	2,472	4.4%	0.02%	
4 Total	110	7,350	9.0%	0.06%	

	Natural Gas Displaced (MCF)	<sup>(2)</sup> Cost of NG (\$/MCF)	Oil Displaced (Bbls)	<sup>(2)</sup> Cost of Oil (\$/Bbl)	Coal Displaced (Tons)	<sup>(3)</sup> Cost of Coal (\$/Ton)
5 DESOTO	26,282	\$5.38	59	\$74.97	0	N/A
6 SPACE COAST	10,809	\$5.38	26	\$74.97	0	N/A
7 MARTIN SOLAR	21,025	\$5.38	80	\$74.97	0	N/A
8 Total	58,116	\$312,657	165	\$12,336	0	\$0

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)
9 DESOTO	1,582	0.6	0.1	0.00
10 SPACE COAST	652	0.3	0.1	0.00
11 MARTIN SOLAR	1,283	0.5	0.2	0.00
12 Total	3,517	1.4	0.4	0.00

	O&M (\$)	<sup>(4)</sup> Carrying Costs (\$)	<sup>(5)</sup> Capital (\$)	<sup>(6)</sup> Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
13 DESOTO	\$62,657	\$656,998	\$432,562	(\$148,208)	\$0	\$1,004,008
14 SPACE COAST	\$9,656	\$307,091	\$194,936	(\$62,871)	\$0	\$448,812
15 MARTIN SOLAR	\$243,522	\$2,092,622	\$1,031,008	(\$402,196)	\$0	\$2,964,956
16 Total	\$315,835	\$3,056,711	\$1,658,506	(\$613,275)	\$0	\$4,417,777

- (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.

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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 - August) 2021

	Net Capability (MW)	<sup>(1)</sup> Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	<sup>(2)</sup> Total System Net Generation (MWh)
1 DESOTO	25	31,410	21.5%	0.04%	85,569,514
2 SPACE COAST	10	11,457	19.6%	0.01%	
3 MARTIN SOLAR	75	22,310	5.1%	0.03%	
4 Total	110	65,177	10.2%	0.08%	

	Natural Gas Displaced (MCF)	<sup>(2)</sup> Cost of NG (\$/MCF)	Oil Displaced (Bbls)	<sup>(2)</sup> Cost of Oil (\$/Bbl)	Coal Displaced (Tons)	<sup>(3)</sup> Cost of Coal (\$/Ton)
5 DESOTO	200,300	\$4.75	668	\$73.38	2,377	\$47.96
6 SPACE COAST	73,375	\$4.75	202	\$73.38	859	\$47.96
7 MARTIN SOLAR	150,707	\$4.75	856	\$73.38	1,721	\$47.96
8 Total	424,383	\$2,014,476	1,726	\$126,636	4,957	\$237,716

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)
9 DESOTO	16,405	7.5	1.8	0.05
10 SPACE COAST	5,966	2.7	0.6	0.02
11 MARTIN SOLAR	12,403	5.9	2.2	0.04
12 Total	34,775	16.0	4.5	0.11

	O&M (\$)	<sup>(4)</sup> Carrying Costs (\$)	<sup>(5)</sup> Capital (\$)	<sup>(6)</sup> Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)
13 DESOTO	\$376,041	\$5,381,118	\$3,460,354	(\$1,185,664)	\$0	\$8,031,849
14 SPACE COAST	\$141,242	\$2,513,900	\$1,559,486	(\$502,968)	\$0	\$3,711,661
15 MARTIN SOLAR	\$2,661,124	\$17,056,158	\$8,242,389	(\$3,217,568)	\$0	\$24,742,103
16 Total	\$3,178,407	\$24,951,176	\$13,262,230	(\$4,906,200)	\$0	\$36,485,612

- (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.