State of Florida

Public Service Commission

CAPITAL CIRCLE OFFICE CENTER • 2540 SHUMARD OAK BOULEVARD
TALLAHASSEE, FLORIDA 32399-0850

-M-E-M-O-R-A-N-D-U-M-

DATE: February 29, 2016

TO: Carlotta S. Stauffer, Commission Clerk, Office of Commission Clerk

FROM: Robert E. Graves, Public Utilities Supervisor, Division of Engineering RG

RE: Docket No. 160007-EI - Environmental cost recovery clause.

Please incorporate the attached documents into the docket file.

Q.

The following questions refer to FPL's Next Generation Solar Projects.

Please discuss the potential for FPL's next generation solar facilities to provide firm capacity during peak periods.

A.

Based on historical performance, FPL has determined that the combined firm capacity value of the DeSoto and Space Coast solar facilities is approximately 40%. This information is reflected in the current 2015 Ten-Year Site Plan.

The Martin solar facility is integrated into the Martin 8 combined cycle unit and adds no incremental firm capacity value to this unit. Instead, its generation is intended as a fuel substitute: it replaces gas-generated steam energy with solar-generated steam energy in the production of electricity.

Q.

Based on the actual data provided in FPL's monthly solar operation status reports (2015), please explain the reason Martin solar has had months with lower than projected energy output.

A.

The Martin solar facility has experienced lower than projected energy output primarily due to adverse weather conditions and scheduled Unit 8 Block outages, which were responsible for reducing output by approximately 7,179 MWh during the months of January, February, and June. Unplanned outages to repair equipment (primarily HTF Pump seal failures) at the solar facility and at Unit 8 occurred during the months of March, April, July, and August, which also impacted solar generation, but to a lesser degree (approximately 5,700 MWh). During the months of May and June, high system load demands required the solar facility to be curtailed to peak Unit 8 which affected generation (approximately 4,703 MWh).

Q.

Please complete the table below describing the avoided emissions and avoided fossil fuel usage for each of FPL's solar projects.

A.

Please see Attachment I.

Next Generation DeSoto Solar Project

Year	Avoided Natural Gas with Solar Project (MMBTU)	Avoided Oil with Solar Project (Barrels)	Avoided CO2 with Solar Project (Tons)	Avoided NOX with Solar Project (Tons)	Avoided SO2 with Solar Project (Tons)	Avoided NOX and SO2 with Solar Project (Tons)
2011	401,616	5,396	35,188	64	44	108
2012	399,592	4,587	37,428	52	46	98
2013	283,178	973	39,416	51	63	114
2014	327,063	2,738	37,488	55	59	114
2015	412,824	604	31,622	36	4	40
2016	292,282	2,691	26,746	29	16	45
2017	522,450	0	36,000	21	4	25
2018	413,998	0	26,667	18	2	20
2019	447,459	282	33,735	24	6	30
2020	308,185	119	26,434	12	7	19
2021	349,073	55	17,948	1	3	4
2022	338,164	98	23,308	14	8	22
2023	335,963	0	20,066	6	2	8
2024	364,082	58	24,395	8	7	15
2025	365,799	25	20,847	3	1	4
2026	418,011	61	24,816	7	6	13
2027	306,377	52	21,428	12	5	16
2028	384,534	0	21,566	12	4	16
2029	356,270	61	22,250	12	6	17
2030	470,204	0	26,867	6	3	9
2031	317,200	0	21,298	13	1	14
2032	345,027	0	20,067	6	0	6
2033	314,663	0	22,839	7	4	11
2034	379,901	0	22,224	2	1	3
2035	483,286	0	30,015	12	3	15
2036	302,133	0	19,993	5	2	6
2037	326,064	0	18,934	1	2	3
2038	438,104	0	21,475	11	0	11
2039	323,575	0	19,668	16	1	17
2040	344,511	0	21,582	13	1	14

Note:

This table shows the emissions (CO2, SO2, and NOx) avoided as well as the fuel use (gas and oil) avoided by the 25-MW Solar PV facility. These values represent the difference in emissions and fuel use between two system simulations: one which represents the base case, and a second one that adds the 25-MW solar PV facility.

These projections, beginning in January 2015, are based on simulations using the same assumptions as in the 2015 Ten-Year Site Plan report. The data in the table prior to January 2015 is based on actuals.

Projected avoided fuel and emissions starting in January 2015 were developed using FPL's production costing model UPLAN.

Next Generation Space Coast Solar Project

Year	Avoided Natural Gas with Solar Project (MMBTU)	Avoided Oil with Solar Project (Barrels)	Avoided CO2 with Solar Project (Tons)	Avoided NOX with Solar Project (Tons)	Avoided SO2 with Solar Project (Tons)	Avoided NOX and SO2 with Solar Project (Tons)
2011	146,969	1,912	12,819	23	16	39
2012	120,674	1,577	13,342	19	17	36
2013	103,785	345	14,309	19	24	43
2014	112,656	740	13,010	19	21	40
2015	128,559	173	9,328	13	5	18
2016	139,446	786	9,942	11	5	16
2017	138,370	0	10,021	7	1	8
2018	154,321	0	8,005	2	1	3
2019	206,974	83	14,427	11	4	14
2020	99,244	36	7,722	4	3	7
2021	170,467	17	10,988	4	0	4
2022	140,523	34	8,308	3	4	7
2023	109,882	0	7,149	4	2	6
2024	105,288	15	6,991	3	4	6
2025	120,484	8	5,889	1	1	2
2026	98,708	20	6,509	3	4	7
2027	97,076	16	6,800	4	1	5
2028	178,073	0	9,721	9	2	11
2029	117,814	20	8,417	5	2	7
2030	156,486	0	6,468	4	1	5
2031	111,874	0	7,623	10	1	11
2032	68,577	0	3,435	2	0	2
2033	110,470	0	7,131	2	1	3
2034	129,328	0	7,566	1	1	1
2035	169,819	0	9,717	5	2	6
2036	159,698	0	9,490	10	0	10
2037	161,183	0	8,778	1	1	2
2038	137,854	0	5,499	3	1	4
2039	171,710	0	10,813	11	1	12
2040	114,371	0	6,132	1	0	1

Note:

This table shows the emissions (CO2, SO2, and NOx) avoided as well as the fuel use (gas and oil) avoided by the 10-MW Solar PV facility. These values represent the difference in emissions and fuel use between two system simulations: one which represents the base case, and a second one that adds the 10-MW solar PV facility.

These projections, beginning in January 2015, are based on simulations using the same assumptions as in the 2015 Ten-Year Site Plan report. The data in the table prior to January 2015 is based on actuals.

Projected avoided fuel and emissions starting in January 2015 were developed using FPL's production costing model UPLAN.

Next Generation Martin Solar Project

Year	Avoided Natural Gas with Solar Project (MMBTU)	Avoided Oil with Solar Project (Barrels)	Avoided CO2 with Solar Project (Tons)	Avoided NOX with Solar Project (Tons)	Avoided SO2 with Solar Project (Tons)	Avoided NOX and SO2 with Solar Project (Tons)
2011	246,749	3,296	19,298	45	26	71
2012	638,662	9,567	63,439	99	71	170
2013	602,271	2,488	66,579	103	96	199
2014	868,196	9,742	84,733	150	120	270
2015	937,761	1,433	70,622	59	23	81
2016	1,090,705	6,646	84,330	98	51	149
2017	857,466	0	62,726	34	9	43
2018	1,194,534	0	78,755	63	11	74
2019	1,021,283	968	64,613	35	23	58
2020	879,583	301	63,532	36	18	53
2021	877,422	162	55,676	23	16	39
2022	901,045	212	65,374	36	25	61
2023	819,279	0	57,401	24	8	31
2024	999,268	232	63,700	28	13	41
2025	786,193	77	47,058	13	6	19
2026	1,040,813	122	67,992	25	18	43
2027	850,142	148	58,431	22	11	32
2028	904,434	0	56,014	22	8	30
2029	894,284	165	59,268	26	13	39
2030	1,207,585	0	67,285	25	5	30
2031	769,869	0	54,981	27	6	33
2032	890,849	0	55,671	17	2	19
2033	784,228	0	49,871	21	2	23
2034	1,010,375	0	59,107	5	3	8
2035	1,094,810	0	64,146	18	2	20
2036	807,679	0	49,526	14	1	15
2037	961,788	0	59,252	16	1	16
2038	1,002,733	0	54,632	10	2	12
2039	877,320	0	51,817	24	1	24
2040	924,229	0	54,921	23	2	25

Note:

This table shows the emissions (CO2, SO2, and NOx) avoided as well as the fuel use (gas and oil) avoided by the 75-MW Solar PV facility. These values represent the difference in emissions and fuel use between two system simulations: one which represents the base case, and a second one that adds the 75-MW solar PV facility.

These projections, beginning in January 2015, are based on simulations using the same assumptions as in the 2015 Ten-Year Site Plan report. The data in the table prior to January 2015 is based on actuals.

Projected avoided fuel and emissions starting in January 2015 were developed using FPL's production costing model UPLAN.

Q.

Please complete the table below describing the CPVRR for each of FPL's solar projects.

A.

Please see Attachment I.

New Generation DeSoto Solar Project
System Annual Revenue Requirements - with and without Solar Project
(Includes all Projects Costs and System Impacts)

	[1]	[2]	[3]	[4]	[5]
Year	Annual Total Revenue Requirements with Solar Project ($Millions, 2015$)	Annual Total Revenue Requirements without Solar Project ($Millions, 2015$)	Differential in Annual Total Revenue Requirements ($Millions, 2015$)	Differential in Customer Bill ($/1,000 kWh)	Differential in Customer Bill ($/1,200 kWh)
2009	10	0	10	0.099	0.119
2010	16	0	16	0.155	0.186
2011	15	0	15	0.147	0.177
2012	16	0	16	0.149	0.178
2013	15	0	15	0.149	0.179
2014	14	0	14	0.135	0.162
2015	2,860	2,845	14	0.128	0.154
2016	3,009	2,996	13	0.117	0.140
2017	2,760	2,748	13	0.111	0.133
2018	2,969	2,956	13	0.109	0.131
2019	3,617	3,605	12	0.097	0.116
2020	4,398	4,386	12	0.095	0.114
2021	4,729	4,718	11	0.090	0.108
2022	5,084	5,073	10	0.083	0.099
2023	5,531	5,520	10	0.082	0.099
2024	5,922	5,913	9	0.071	0.085
2025	6,310	6,301	9	0.067	0.081
2026	6,799	6,791	7	0.057	0.068
2027	7,009	7,002	7	0.057	0.068
2028	7,176	7,169	7	0.054	0.064
2029	7,462	7,456	6	0.044	0.053
2030	7,879	7,875	4	0.033	0.039
2031	8,483	8,478	5	0.036	0.043
2032	9,379	9,375	4	0.030	0.036
2033	10,886	10,881	5	0.033	0.040
2034	11,640	11,638	3	0.018	0.021
2035	12,268	12,268	1	0.004	0.005
2036	13,599	13,597	2	0.013	0.015
2037	14,746	14,745	1	0.007	0.009
2038	15,514	15,514	-1	-0.004	-0.004
2039	16,349	16,349	0	-0.002	-0.003
2040	17,322	17,326	-4	-0.027	-0.032

Notes:

Negative indicates a reduction in the customer bill for the 25-MW solar project.

The annual revenue requirements include fixed costs (capital, fixed O&M and firm gas transportation costs) for future generation resources, as well as the three existing solar projects. Revenue requirements from existing facilities, prior to January 2015, are not included as they would be the same for both simulations and would not impact the result. Projected variable costs (fuel, VOM, and emission costs) for all of FPL's generation resources, including existing ones are also included.

The bill impact computation is based on dividing the differential in revenue requirements between the two cases by the system total billed sales. As such it represents a system average rate impact, not specific to any one rate class.

These projections, beginning in January 2015, are based on simulations using the same assumptions as in the 2015 Ten-Year Site Plan report. The data in the table prior to January 2015 is based on actuals.

New Generation Space Coast Solar Project
System Annual Revenue Requirements - with and without Solar Project
(Includes all Projects Costs and System Impacts)

	[1]	[2]	[3]	[4]	[5]
Year	Annual Total Revenue Requirements with Solar Project ($Millions, 2015$)	Annual Total Revenue Requirements without Solar Project ($Millions, 2015$)	Differential in Annual Total Revenue Requirements ($Millions, 2015$)	Differential in Customer Bill ($/1,000 kWh)	Differential in Customer Bill ($/1,200 kWh)
2009	1	0	1	0.010	0.012
2010	7	0	7	0.068	0.082
2011	8	0	8	0.074	0.088
2012	8	0	8	0.073	0.088
2013	7	0	7	0.070	0.084
2014	7	0	7	0.065	0.078
2015	2,852	2,845	7	0.061	0.074
2016	3,002	2,996	6	0.055	0.066
2017	2,755	2,748	7	0.060	0.072
2018	2,962	2,956	6	0.052	0.062
2019	3,611	3,605	5	0.046	0.055
2020	4,392	4,386	6	0.047	0.056
2021	4,723	4,718	5	0.041	0.049
2022	5,078	5,073	5	0.040	0.048
2023	5,525	5,520	5	0.040	0.048
2024	5,918	5,913	5	0.037	0.044
2025	6,306	6,301	4	0.035	0.042
2026	6,795	6,791	4	0.032	0.039
2027	7,006	7,002	4	0.030	0.036
2028	7,172	7,169	3	0.024	0.028
2029	7,459	7,456	3	0.024	0.028
2030	7,878	7,875	3	0.022	0.026
2031	8,481	8,478	3	0.020	0.024
2032	9,378	9,375	3	0.022	0.026
2033	10,883	10,881	2	0.015	0.019
2034	11,639	11,638	2	0.013	0.015
2035	12,269	12,268	1	0.008	0.010
2036	13,598	13,597	1	0.006	0.007
2037	14,746	14,745	1	0.004	0.005
2038	15,515	15,514	1	0.006	0.007
2039	16,349	16,349	0	-0.002	-0.003
2040	17,325	17,326	-1	-0.003	-0.004

Notes:

Negative indicates a reduction in the customer bill for the 10-MW solar project.

The annual revenue requirements include fixed costs (capital, fixed O&M and firm gas transportation costs) for future generation resources, as well as the three existing solar projects. Revenue requirements from existing facilities, prior to January 2015, are not included as they would be the same for both simulations and would not impact the result. Projected variable costs (fuel, VOM, and emission costs) for all of FPL's generation resources, including existing ones are also included.

The bill impact computation is based on dividing the differential in revenue requirements between the two cases by the system total billed sales. As such it represents a system average rate impact, not specific to any one rate class.

These projections, beginning in January 2015, are based on simulations using the same assumptions as in the 2015 Ten-Year Site Plan report. The data in the table prior to January 2015 is based on actuals.

Recoverable cost quantities in 2008 are too small to show on the table.

New Generation Martin Solar Project
System Annual Revenue Requirements - with and without Solar Project
(Includes all Projects Costs and System Impacts)

	[1]	[2]	[3]	[4]	[5]
Year	Annual Total Revenue Requirements with Solar Project ($Millions, 2015$)	Annual Total Revenue Requirements without Solar Project ($Millions, 2015$)	Differential in Annual Total Revenue Requirements ($Millions, 2015$)	Differential in Customer Bill ($/1,000 kWh)	Differential in Customer Bill ($/1,200 kWh)
2009	7	0	7	0.065	0.078
2010	29	0	29	0.276	0.331
2011	50	0	50	0.485	0.582
2012	48	0	48	0.456	0.547
2013	57	0	57	0.557	0.668
2014	46	0	46	0.443	0.531
2015	2,889	2,845	43	0.382	0.458
2016	3,036	2,996	40	0.350	0.420
2017	2,789	2,748	42	0.357	0.429
2018	2,994	2,956	38	0.324	0.389
2019	3,642	3,605	37	0.310	0.372
2020	4,422	4,386	36	0.293	0.352
2021	4,753	4,718	35	0.283	0.339
2022	5,106	5,073	32	0.261	0.313
2023	5,552	5,520	32	0.256	0.307
2024	5,942	5,913	29	0.228	0.274
2025	6,330	6,301	29	0.229	0.274
2026	6,816	6,791	25	0.192	0.230
2027	7,026	7,002	25	0.189	0.226
2028	7,193	7,169	24	0.177	0.212
2029	7,477	7,456	21	0.157	0.188
2030	7,892	7,875	17	0.127	0.152
2031	8,497	8,478	19	0.136	0.163
2032	9,391	9,375	17	0.117	0.141
2033	10,897	10,881	16	0.111	0.133
2034	11,650	11,638	12	0.083	0.100
2035	12,277	12,268	10	0.065	0.078
2036	13,607	13,597	11	0.071	0.085
2037	14,752	14,745	7	0.045	0.054
2038	15,519	15,514	5	0.034	0.041
2039	16,353	16,349	4	0.029	0.035
2040	17,331	17,326	5	0.030	0.036

Notes:

Negative indicates a reduction in the customer bill for the 75-MW solar project.

The annual revenue requirements include fixed costs (capital, fixed O&M and firm gas transportation costs) for future generation resources, as well as the three existing solar projects. Revenue requirements from existing facilities, prior to January 2015, are not included as they would be the same for both simulations and would not impact the result. Projected variable costs (fuel, VOM, and emission costs) for all of FPL's generation resources, including existing ones are also included.

The bill impact computation is based on dividing the differential in revenue requirements between the two cases by the system total billed sales. As such it represents a system average rate impact, not specific to any one rate class.

These projections, beginning in January 2015, are based on simulations using the same assumptions as in the 2015 Ten-Year Site Plan report. The data in the table prior to January 2015 is based on actuals.

Recoverable cost quantities in 2008 are too small to show on the table.

Q.

Please complete the table below for each of FPL's solar projects.

A.

Please see Attachment I.

New Generation DeSoto Solar Project
(Does Not Include System Benefits)

	Capital Revenue Requirements ($ Millions)	Fixed O&M and Capital Replacement Costs ($ Millions)	Total ($ Millions)	Impact on Customer Bill of 1,000 $/kWh	Impact on Customer Bill of 1,200 $/kWh
2009	10.7	0.1	10.8	0.105	0.126
2010	18.1	1.0	19.1	0.182	0.219
2011	17.5	0.9	18.4	0.178	0.214
2012	17.1	1.1	18.2	0.174	0.209
2013	16.7	0.9	17.6	0.171	0.205
2014	15.7	0.9	16.7	0.160	0.191
2015	15.1	1.3	16.5	0.146	0.175
2016	14.6	0.9	15.5	0.134	0.161
2017	14.2	1.1	15.3	0.131	0.157
2018	13.7	1.1	14.8	0.125	0.150
2019	13.2	0.9	14.1	0.118	0.141
2020	12.7	1.1	13.8	0.113	0.136
2021	12.3	1.0	13.2	0.108	0.130
2022	11.8	1.0	12.8	0.104	0.125
2023	11.3	1.3	12.6	0.101	0.121
2024	10.8	1.0	11.8	0.094	0.112
2025	10.3	1.1	11.3	0.089	0.107
2026	9.8	1.0	10.8	0.084	0.101
2027	9.3	1.0	10.3	0.079	0.095
2028	8.8	1.6	10.4	0.078	0.094
2029	8.3	1.1	9.3	0.069	0.083
2030	7.7	1.1	8.9	0.065	0.077
2031	7.2	1.0	8.3	0.060	0.071
2032	6.7	1.1	7.8	0.055	0.066
2033	6.2	2.4	8.6	0.060	0.072
2034	5.7	1.1	6.8	0.047	0.056
2035	5.2	1.2	6.4	0.043	0.052
2036	4.7	1.1	5.8	0.039	0.047
2037	4.2	1.1	5.3	0.035	0.042
2038	3.7	1.1	4.8	0.031	0.038
2039	3.1	1.1	4.2	0.027	0.033
2040	-0.2	1.1	0.9	0.006	0.007

Notes:

As requested, the capital revenue requirements and the O&M requirements shown in this table only include the costs of the solar project. System impacts are not included.

The bill impact computation is based on dividing the differential in revenue requirements between the two cases by the system total billed sales. As such it represents a system average rate impact, not specific to any one rate class.

New Generation Space Coast Solar Project
(Does Not Include System Benefits)

	Capital Revenue Requirements ($ Millions)	Fixed O&M and Capital Replacement Costs ($ Millions)	Total ($ Millions)	Impact on Customer Bill of 1,000 $/kWh	Impact on Customer Bill of 1,200 $/kWh
2009	1.0	0.0	1.0	0.010	0.012
2010	7.6	0.3	7.9	0.076	0.091
2011	8.3	0.4	8.8	0.085	0.102
2012	8.1	0.5	8.6	0.082	0.099
2013	7.9	0.2	8.0	0.078	0.094
2014	7.4	0.2	7.6	0.073	0.088
2015	7.1	0.3	7.4	0.066	0.079
2016	6.9	0.3	7.2	0.062	0.075
2017	6.7	1.0	7.7	0.065	0.079
2018	6.5	0.3	6.8	0.057	0.069
2019	6.2	0.3	6.6	0.055	0.066
2020	6.0	0.4	6.4	0.053	0.063
2021	5.8	0.3	6.1	0.050	0.060
2022	5.6	0.4	5.9	0.048	0.058
2023	5.4	0.4	5.7	0.046	0.055
2024	5.1	0.4	5.5	0.044	0.052
2025	4.9	0.4	5.3	0.042	0.051
2026	4.7	0.4	5.0	0.039	0.047
2027	4.4	0.4	4.8	0.037	0.044
2028	4.2	0.4	4.6	0.035	0.041
2029	4.0	0.4	4.4	0.033	0.039
2030	3.7	0.5	4.2	0.031	0.037
2031	3.5	0.4	3.9	0.028	0.034
2032	3.3	0.5	3.7	0.026	0.032
2033	3.0	0.5	3.5	0.024	0.029
2034	2.8	0.5	3.3	0.023	0.027
2035	2.6	0.6	3.1	0.021	0.026
2036	2.3	0.5	2.8	0.019	0.023
2037	2.1	0.5	2.6	0.017	0.021
2038	1.9	0.5	2.4	0.016	0.019
2039	1.6	0.5	2.2	0.014	0.017
2040	0.5	0.5	1.0	0.007	0.008

Notes:

As requested, the capital revenue requirements and the O&M requirements shown in this table only include the costs of the solar project. System impacts are not included.

The bill impact computation is based on dividing the differential in revenue requirements between the two cases by the system total billed sales. As such it represents a system average rate impact, not specific to any one rate class.

New Generation Martin Solar Project
(Does Not Include System Benefits)

	Capital Revenue Requirements ($ Millions)	Fixed O&M and Capital Replacement Costs ($ Millions)	Total ($ Millions)	Impact on Customer Bill of 1,000 $/kWh	Impact on Customer Bill of 1,200 $/kWh
2009	6.7	0.0	6.7	0.065	0.078
2010	29.0	0.0	29.0	0.277	0.333
2011	47.4	4.6	52.0	0.504	0.604
2012	47.1	5.3	52.4	0.502	0.602
2013	47.1	14.3	61.4	0.597	0.717
2014	45.6	7.1	52.7	0.505	0.606
2015	43.9	4.0	47.9	0.424	0.509
2016	42.5	4.6	47.1	0.408	0.489
2017	41.2	4.5	45.8	0.391	0.469
2018	39.9	4.1	44.0	0.371	0.446
2019	38.5	4.2	42.7	0.356	0.427
2020	37.1	4.4	41.5	0.341	0.409
2021	35.9	4.8	40.6	0.333	0.399
2022	34.6	4.7	39.2	0.319	0.383
2023	33.1	4.8	37.9	0.305	0.366
2024	31.7	4.8	36.5	0.290	0.348
2025	30.3	4.9	35.2	0.277	0.332
2026	28.9	5.0	33.8	0.263	0.316
2027	27.4	5.1	32.5	0.249	0.299
2028	26.0	5.5	31.5	0.237	0.284
2029	24.6	5.4	30.0	0.222	0.266
2030	23.2	5.4	28.5	0.208	0.250
2031	21.7	5.5	27.2	0.195	0.235
2032	20.3	5.6	25.9	0.183	0.219
2033	18.9	5.7	24.6	0.172	0.206
2034	17.4	5.9	23.3	0.161	0.193
2035	16.0	6.3	22.3	0.152	0.182
2036	14.6	6.1	20.6	0.139	0.166
2037	13.1	6.2	19.3	0.129	0.154
2038	11.7	6.3	18.0	0.118	0.142
2039	10.3	6.4	16.7	0.108	0.130
2040	11.6	6.6	18.2	0.117	0.140

Notes:

As requested, the capital revenue requirements and the O&M requirements shown in this table only include the costs of the solar project. System impacts are not included.

The bill impact computation is based on dividing the differential in revenue requirements between the two cases by the system total billed sales. As such it represents a system average rate impact, not specific to any one rate class.

Q.

Please complete the table below for each of FPL's solar projects.

A.

Please see Attachment I.

New Generation DeSoto Solar Project
System Variable O&M and System Fuel Costs - With and Without Solar Project

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]
	System Costs w/Solar Project					System Costs w/o Solar Project					Differential in annual costs [3]-[8]				
	Variable O&M ($ millions)	Fuel ($ millions)	Total costs [1] + [2] ($ millions)	Impact on Customer Bill $/1000 KWH	Impact on Customer Bill $/1200 KWH	Variable O&M ($ millions)	Fuel ($ millions)	Total costs [6] + [7] ($ millions)	Impact on Customer Bill $/1000 KWH	Impact on Customer Bill $/1200 KWH	Variable O&M ($ millions)	Fuel ($ millions)	Total Revenue Requirements ($ millions)	Impact on Customer Bill of 1,000 KWH	Impact on Customer Bill of 1,200 KWH
2011	0	3,734	3,734	36.1	43.4	0	3,737	3,737	36.2	43.4	0	-3	-3	-0.03	-0.04
2012	0	3,324	3,324	31.8	38.2	0	3,327	3,327	31.9	38.2	0	-3	-3	-0.03	-0.03
2013	0	3,076	3,076	29.9	35.9	0	3,078	3,078	29.9	35.9	0	-2	-2	-0.02	-0.03
2014	0	3,474	3,474	33.3	39.9	0	3,484	3,484	33.4	40.0	0	-10	-10	-0.09	-0.11
2015	38	2,803	2,841	25.2	30.2	38	2,805	2,843	25.2	30.2	0	-2	-2	-0.02	-0.02
2016	39	2,953	2,992	25.9	31.1	39	2,955	2,994	25.9	31.1	0	-2	-2	-0.02	-0.02
2017	53	2,691	2,744	23.4	28.1	53	2,693	2,745	23.5	28.2	0	-2	-2	-0.02	-0.02
2018	52	2,889	2,942	24.8	29.8	52	2,891	2,944	24.9	29.8	0	-2	-2	-0.02	-0.02
2019	47	3,427	3,474	29.0	34.7	47	3,429	3,477	29.0	34.8	0	-3	-3	-0.02	-0.03
2020	57	3,761	3,818	31.4	37.7	57	3,763	3,820	31.4	37.7	0	-2	-2	-0.02	-0.02
2021	68	4,035	4,103	33.6	40.3	68	4,037	4,105	33.6	40.4	0	-2	-2	-0.02	-0.02
2022	59	4,329	4,388	35.7	42.9	59	4,332	4,390	35.7	42.9	0	-2	-2	-0.02	-0.02
2023	78	4,476	4,554	36.7	44.0	78	4,478	4,556	36.7	44.0	0	-2	-2	-0.02	-0.02
2024	82	4,699	4,781	38.0	45.6	82	4,702	4,784	38.0	45.6	0	-3	-3	-0.02	-0.02
2025	93	4,865	4,958	39.0	46.9	93	4,867	4,960	39.1	46.9	0	-2	-2	-0.02	-0.02
2026	91	5,144	5,235	40.7	48.8	91	5,147	5,238	40.7	48.9	0	-3	-3	-0.02	-0.03
2027	97	5,174	5,270	40.3	48.4	97	5,176	5,273	40.4	48.4	0	-2	-2	-0.02	-0.02
2028	107	5,028	5,135	38.6	46.3	107	5,031	5,137	38.6	46.3	0	-3	-3	-0.02	-0.02
2029	107	5,130	5,238	38.8	46.6	107	5,133	5,241	38.8	46.6	0	-3	-3	-0.02	-0.02
2030	101	5,356	5,456	39.8	47.7	101	5,359	5,459	39.8	47.7	0	-3	-3	-0.02	-0.03
2031	107	5,679	5,786	41.5	49.9	107	5,680	5,787	41.6	49.9	0	-1	-1	-0.01	-0.01
2032	111	6,023	6,135	43.3	51.9	111	6,026	6,137	43.3	52.0	0	-2	-2	-0.02	-0.02
2033	115	6,624	6,739	47.1	56.5	115	6,627	6,741	47.1	56.5	0	-3	-3	-0.02	-0.02
2034	121	6,906	7,027	48.5	58.2	121	6,907	7,028	48.5	58.2	0	-1	-1	-0.01	-0.01
2035	123	7,148	7,271	49.6	59.5	123	7,151	7,274	49.6	59.5	0	-3	-3	-0.02	-0.03
2036	126	7,770	7,895	53.1	63.7	126	7,772	7,898	53.1	63.7	0	-3	-3	-0.02	-0.02
2037	127	8,116	8,243	54.9	65.9	127	8,118	8,245	54.9	65.9	0	-3	-3	-0.02	-0.02
2038	130	8,394	8,524	56.1	67.3	130	8,398	8,528	56.1	67.3	0	-3	-3	-0.02	-0.03
2039	130	8,677	8,807	57.3	68.7	130	8,679	8,809	57.3	68.7	0	-3	-3	-0.02	-0.02
2040	134	9,042	9,176	58.8	70.6	134	9,046	9,180	58.8	70.6	0	-4	-4	-0.03	-0.03

Notes:

Negative indicates a reduction in the customer bill for the 25-MW New Generation DeSoto solar project.

The bill impact computation is based on dividing the differential in revenue requirements between the two cases by the system total billed sales. As such, it represents a system average rate impact, not specific to any one rate class.

The fuel projections, beginning in January 2015, are based on simulations using the same assumptions as in the 2015 Ten-Year Site Plan report. The data in the table prior to January 2015 is based on actuals.

The VOM data provided in the table are projections as the actuals, prior to 2015, are not available.

New Generation Space Coast Solar Project
System Variable O&M and System Fuel Costs - With and Without Solar Project

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]
	System Costs w/Solar Project					System Costs w/o Solar Project					Differential in annual costs [3]-[6]				
	Variable O&M ($ millions)	Fuel ($ millions)	Total costs [1] + [2] ($ millions)	Impact on Customer Bill $/1000 KWH	Impact on Customer Bill $/1200 KWH	Variable O&M ($ millions)	Fuel ($ millions)	Total costs [6] + [7] ($ millions)	Impact on Customer Bill $/1000 KWH	Impact on Customer Bill $/1200 KWH	Variable O&M ($ millions)	Fuel ($ millions)	Total Revenue Requirements ($ millions)	Impact on Customer Bill of 1,000 KWH	Impact on Customer Bill of 1,200 KWH
2011	0	3,734	3,734	36.1	43.4	0	3,737	3,737	36.2	43.4	0	-3	-3	-0.03	-0.04
2012	0	3,324	3,324	31.8	38.2	0	3,327	3,327	31.9	38.2	0	-3	-3	-0.03	-0.03
2013	0	3,076	3,076	29.9	35.9	0	3,078	3,078	29.9	35.9	0	-2	-2	-0.02	-0.03
2014	0	3,474	3,474	33.3	39.9	0	3,484	3,484	33.4	40.0	0	-10	-10	-0.09	-0.11
2015	38	2,805	2,843	25.2	30.2	38	2,805	2,843	25.2	30.2	0	-1	-1	0.00	-0.01
2016	39	2,954	2,993	25.9	31.1	39	2,955	2,994	25.9	31.1	0	-1	-1	-0.01	-0.01
2017	53	2,692	2,745	23.5	28.2	53	2,693	2,746	23.5	28.2	0	-1	-1	-0.01	-0.01
2018	52	2,891	2,943	24.9	29.8	52	2,891	2,944	24.9	29.8	0	-1	-1	-0.01	-0.01
2019	47	3,428	3,475	29.0	34.8	47	3,429	3,477	29.0	34.8	0	-1	-1	-0.01	-0.01
2020	57	3,762	3,819	31.4	37.7	57	3,763	3,820	31.4	37.7	0	-1	-1	-0.01	-0.01
2021	68	4,036	4,104	33.6	40.3	68	4,037	4,105	33.6	40.4	0	-1	-1	-0.01	-0.01
2022	59	4,331	4,390	35.7	42.9	59	4,332	4,390	35.7	42.9	0	-1	-1	-0.01	-0.01
2023	78	4,478	4,556	36.7	44.0	78	4,476	4,556	36.7	44.0	0	-1	-1	-0.01	-0.01
2024	82	4,701	4,783	38.0	45.6	82	4,702	4,784	38.0	45.6	0	-1	-1	-0.01	-0.01
2025	93	4,867	4,959	39.1	46.9	93	4,867	4,960	39.1	46.9	0	-1	-1	-0.01	-0.01
2026	91	5,146	5,237	40.7	48.9	91	5,147	5,238	40.7	48.9	0	-1	-1	-0.01	-0.01
2027	97	5,175	5,272	40.4	48.4	97	5,176	5,273	40.4	48.4	0	-1	-1	-0.01	-0.01
2028	107	5,030	5,136	38.6	46.3	107	5,031	5,137	38.6	46.3	0	-1	-1	-0.01	-0.01
2029	107	5,132	5,240	38.8	46.6	107	5,133	5,241	38.8	46.6	0	-1	-1	-0.01	-0.01
2030	101	5,357	5,457	39.8	47.7	101	5,359	5,459	39.8	47.7	0	-2	-2	-0.01	-0.02
2031	107	5,679	5,786	41.5	49.9	107	5,680	5,787	41.6	49.9	0	-1	-1	-0.01	-0.01
2032	111	6,025	6,136	43.3	52.0	111	6,026	6,137	43.3	52.0	0	-1	-1	0.00	-0.01
2033	115	6,626	6,741	47.1	56.5	115	6,627	6,741	47.1	56.5	0	-1	-1	-0.01	-0.01
2034	121	6,908	7,029	48.5	58.2	121	6,907	7,028	48.5	58.2	0	1	1	0.01	0.01
2035	123	7,150	7,273	49.6	59.5	123	7,151	7,274	49.6	59.5	0	-1	-1	-0.01	-0.01
2036	126	7,771	7,897	53.1	63.7	126	7,772	7,898	53.1	63.7	0	-1	-1	-0.01	-0.01
2037	127	8,117	8,244	54.9	65.9	127	8,118	8,245	54.9	65.9	0	-1	-1	-0.01	-0.01
2038	130	8,396	8,526	56.1	67.3	130	8,398	8,528	56.1	67.3	0	-1	-1	-0.01	-0.01
2039	130	8,678	8,808	57.3	68.7	130	8,679	8,809	57.3	68.7	0	-1	-1	-0.01	-0.01
2040	134	9,046	9,180	58.8	70.6	134	9,046	9,180	58.8	70.6	0	0	0	0.00	0.00

Notes:

Negative indicates a reduction in the customer bill for the 10-MW New Generation Space Coast solar project.

The bill impact computation is based on dividing the differential in revenue requirements between the two cases by the system total billed sales. As such it represents a system average rate impact, not specific to any one rate class.

The fuel projections, beginning in January 2015, are based on simulations using the same assumptions as in the 2015 Ten-Year Site Plan report. The data in the table prior to January 2015 is based on actuals.

The VOM data provided in the table are projections as the actuals, prior to 2015, are not available.

New Generation Martin Solar Project
System Variable O&M and System Fuel Costs - With and Without Solar Project

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]
	System Costs w/Solar Project					System Costs w/o Solar Project					Differential in annual costs [3]-[8]				
	Variable O&M ($ millions)	Fuel ($ millions)	Total costs [1] + [2] ($ millions)	Impact on Customer Bill $/1000 KWH	Impact on Customer Bill $/1200 KWH	Variable O&M ($ millions)	Fuel ($ millions)	Total costs [6] + [7] ($ millions)	Impact on Customer Bill $/1000 KWH	Impact on Customer Bill $/1200 KWH	Variable O&M ($ millions)	Fuel ($ millions)	Total Revenue Requirements ($ millions)	Impact on Customer Bill of 1,000 KWH	Impact on Customer Bill of 1,200 KWH
2011	0	3,735	3,735	36.2	43.4	0	3,737	3,737	36.2	43.4	0	-2	-2	-0.02	-0.02
2012	0	3,322	3,322	31.8	38.2	0	3,327	3,327	31.9	38.2	0	-5	-5	-0.05	-0.06
2013	0	3,074	3,074	29.9	35.9	0	3,078	3,078	29.9	35.9	0	-4	-4	-0.04	-0.05
2014	0	3,474	3,474	33.3	39.9	0	3,484	3,484	33.4	40.0	0	-10	-10	-0.09	-0.11
2015	38	2,801	2,839	25.1	30.2	38	2,805	2,843	25.2	30.2	0	-5	-5	-0.04	-0.05
2016	39	2,948	2,987	25.9	31.0	39	2,955	2,994	25.9	31.1	0	-7	-7	-0.06	-0.07
2017	53	2,689	2,742	23.4	28.1	53	2,693	2,746	23.5	28.2	0	-4	-4	-0.03	-0.04
2018	52	2,886	2,938	24.8	29.8	52	2,891	2,944	24.9	29.8	0	-6	-6	-0.05	-0.06
2019	47	3,424	3,471	28.9	34.7	47	3,429	3,477	29.0	34.8	0	-6	-6	-0.05	-0.06
2020	57	3,758	3,815	31.4	37.6	57	3,763	3,820	31.4	37.7	0	-5	-5	-0.04	-0.05
2021	68	4,031	4,099	33.6	40.3	68	4,037	4,105	33.6	40.4	0	-6	-6	-0.05	-0.05
2022	59	4,325	4,384	35.7	42.8	59	4,332	4,390	35.7	42.9	0	-6	-6	-0.05	-0.06
2023	78	4,473	4,551	36.7	44.0	78	4,478	4,556	36.7	44.0	0	-5	-5	-0.04	-0.05
2024	82	4,695	4,777	38.0	45.6	82	4,702	4,784	38.0	45.6	0	-7	-7	-0.05	-0.07
2025	93	4,862	4,955	39.0	46.8	93	4,867	4,960	39.1	46.9	0	-5	-5	-0.04	-0.05
2026	91	5,139	5,230	40.7	48.8	91	5,147	5,238	40.7	48.9	0	-8	-8	-0.06	-0.07
2027	97	5,169	5,266	40.3	48.4	97	5,176	5,273	40.4	48.4	0	-7	-7	-0.05	-0.06
2028	107	5,024	5,131	38.6	46.3	107	5,031	5,137	38.6	46.3	0	-7	-7	-0.05	-0.06
2029	107	5,126	5,234	38.8	46.5	107	5,133	5,241	38.8	46.6	0	-7	-7	-0.05	-0.06
2030	101	5,349	5,450	39.7	47.7	101	5,359	5,459	39.8	47.7	0	-9	-9	-0.07	-0.08
2031	107	5,674	5,781	41.5	49.8	107	5,680	5,787	41.6	49.9	0	-6	-6	-0.05	-0.06
2032	111	6,019	6,130	43.2	51.9	111	6,026	6,137	43.3	52.0	0	-7	-7	-0.05	-0.06
2033	115	6,620	6,735	47.0	56.4	115	6,627	6,741	47.1	56.5	0	-7	-7	-0.05	-0.06
2034	121	6,903	7,024	48.5	58.2	121	6,907	7,028	48.5	58.2	0	-4	-4	-0.03	-0.03
2035	123	7,142	7,265	49.5	59.5	123	7,151	7,274	49.6	59.5	0	-9	-9	-0.06	-0.08
2036	126	7,765	7,891	53.0	63.6	126	7,772	7,898	53.1	63.7	0	-7	-7	-0.05	-0.06
2037	127	8,109	8,236	54.8	65.8	127	8,118	8,245	54.9	65.9	0	-9	-9	-0.06	-0.07
2038	130	8,389	8,519	56.0	67.3	130	8,398	8,528	56.1	67.3	0	-9	-9	-0.06	-0.07
2039	130	8,671	8,801	57.2	68.7	130	8,679	8,809	57.3	68.7	0	-8	-8	-0.05	-0.06
2040	134	9,038	9,171	58.8	70.5	134	9,046	9,180	58.8	70.6	0	-9	-9	-0.06	-0.07

Notes:

Negative indicates a reduction in the customer bill for the 75-MW New Generation Martin solar project.

The bill impact computation is based on dividing the differential in revenue requirements between the two cases by the system total billed sales. As such it represents a system average rate impact, not specific to any one rate class.

The fuel projections, beginning in January 2015, are based on simulations using the same assumptions as in the 2015 Ten-Year Site Plan report. The data in the table prior to January 2015 is based on actuals.

The VOM data provided in the table are projections as the actuals, prior to 2015, are not available.

Q.

Please complete the table below for each of FPL's solar projects.

A.

Please see Attachment I.

New Generation DeSoto Solar Project
Annual Emission Costs - with and without Solar Project

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]
	Emission Related Revenue Requirements Costs with Solar Project				Emission Related Revenue Requirements Costs without Solar Project				[4]- [8]		
	CO2 ($ millions)	SO2 ($ millions)	NOx ($ millions)	Total ($ millions)	CO2 ($ millions)	SO2 ($ millions)	NOx ($ millions)	Total ($ millions)	Differential in Revenue Requirements ($ millions)	Differential in Customer Bill $/1,000 kwh	Differential in Customer Bill $/1,200 kwh
2011	0	0	-1	-1	0	0	-1	-1	0.0	0.000	0.000
2012	0	0	-1	-2	0	0	-1	-2	0.0	0.000	0.000
2013	0	0	0	0	0	0	0	0	0.0	0.000	0.000
2014	0	0	0	0	0	0	0	0	0.0	0.000	0.000
2015	0	0	2	2	0	0	2	2	0.1	0.001	0.001
2016	0	0	2	2	0	0	2	2	0.1	0.001	0.001
2017	0	0	2	2	0	0	2	2	0.1	0.001	0.001
2018	0	0	2	2	0	0	2	2	0.1	0.001	0.001
2019	0	0	2	2	0	0	2	2	0.1	0.001	0.001
2020	360	0	2	362	360	0	2	362	-0.2	-0.001	-0.002
2021	415	0	2	417	415	0	2	417	-0.1	-0.001	-0.001
2022	481	0	2	483	481	0	2	483	-0.2	-0.002	-0.002
2023	550	0	2	552	550	0	2	552	-0.2	-0.002	-0.002
2024	634	0	2	635	634	0	2	636	-0.3	-0.002	-0.003
2025	719	0	2	720	719	0	2	721	-0.3	-0.002	-0.003
2026	847	0	2	849	848	0	2	849	-0.4	-0.003	-0.004
2027	931	0	2	933	932	0	2	933	-0.4	-0.003	-0.004
2028	976	0	1	977	976	0	1	977	-0.4	-0.003	-0.004
2029	1,082	0	1	1,084	1,083	0	1	1,084	-0.5	-0.004	-0.005
2030	1,232	0	1	1,233	1,233	0	1	1,234	-0.6	-0.004	-0.005
2031	1,407	0	1	1,409	1,408	0	1	1,409	-0.3	-0.002	-0.003
2032	1,637	0	1	1,638	1,637	0	1	1,639	-0.6	-0.004	-0.005
2033	1,996	0	1	1,997	1,997	0	1	1,998	-0.7	-0.005	-0.006
2034	2,271	0	1	2,272	2,272	0	1	2,273	-0.4	-0.003	-0.003
2035	2,540	0	1	2,541	2,541	0	1	2,542	-1.1	-0.007	-0.009
2036	3,025	0	1	3,026	3,026	0	1	3,027	-0.9	-0.006	-0.007
2037	3,412	0	1	3,413	3,413	0	1	3,414	-1.0	-0.007	-0.008
2038	3,790	0	1	3,792	3,792	0	1	3,793	-1.5	-0.010	-0.012
2039	4,200	0	1	4,201	4,201	0	1	4,202	-1.1	-0.007	-0.009
2040	4,687	0	1	4,688	4,689	0	1	4,690	-2.3	-0.015	-0.018

Notes:
Negative indicates a reduction in the customer bill.

The annual costs include only the system emission costs.

The bill impact computation is based on dividing the differential in revenue requirements between the two cases by the system total billed sales. As such, it represents a system average rate impact, not specific to any one rate class.

These projections, beginning in January 2015, are based on simulations using the same assumptions as in the 2015 Ten-Year Site Plan report. The data in the table prior to January 2015 is based on actuals.

New Generation Space Coast Solar Project
Annual Emission Costs - with and without Solar Project

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]
	Emission Related Revenue Requirements Costs with Solar Project				Emission Related Revenue Requirements Costs without Solar Project				[4]- [8] Differential in Revenue Requirements ($ millions)	Differential in Customer Bill $/1,000 kwh	Differential in Customer Bill $/1,200 kwh
	CO2 ($ millions)	SO2 ($ millions)	NOx ($ millions)	Total ($ millions)	CO2 ($ millions)	SO2 ($ millions)	NOx ($ millions)	Total ($ millions)			
2011	0	0	-1	-1	0	0	-1	-1	0.0	0.000	0.000
2012	0	0	-1	-2	0	0	-1	-2	0.0	0.000	0.000
2013	0	0	0	0	0	0	0	0	0.0	0.000	0.000
2014	0	0	0	0	0	0	0	0	0.0	0.000	0.000
2015	0	0	2	2	0	0	2	2	0.0	0.000	0.000
2016	0	0	2	2	0	0	2	2	0.0	0.000	0.000
2017	0	0	2	2	0	0	2	2	0.0	0.000	0.000
2018	0	0	2	2	0	0	2	2	0.0	0.000	0.000
2019	0	0	2	2	0	0	2	2	0.0	0.000	0.000
2020	360	0	2	362	360	0	2	362	-0.1	-0.001	-0.001
2021	415	0	2	417	415	0	2	417	-0.1	-0.001	-0.001
2022	481	0	2	483	481	0	2	483	-0.1	-0.001	-0.001
2023	550	0	2	552	550	0	2	552	-0.1	-0.001	-0.001
2024	634	0	2	636	634	0	2	636	-0.1	-0.001	-0.001
2025	719	0	2	720	719	0	2	721	-0.1	-0.001	-0.001
2026	848	0	2	849	848	0	2	849	-0.1	-0.001	-0.001
2027	932	0	2	933	932	0	2	933	-0.2	-0.001	-0.001
2028	976	0	1	977	976	0	1	977	-0.2	-0.002	-0.002
2029	1,083	0	1	1,084	1,083	0	1	1,084	-0.2	-0.002	-0.002
2030	1,232	0	1	1,234	1,233	0	1	1,234	-0.4	-0.003	-0.004
2031	1,407	0	1	1,409	1,408	0	1	1,409	-0.3	-0.002	-0.002
2032	1,637	0	1	1,638	1,637	0	1	1,639	-0.2	-0.001	-0.001
2033	1,997	0	1	1,998	1,997	0	1	1,998	-0.2	-0.001	-0.002
2034	2,272	0	1	2,273	2,272	0	1	2,273	0.2	0.001	0.002
2035	2,540	0	1	2,541	2,541	0	1	2,542	-0.5	-0.003	-0.004
2036	3,026	0	1	3,027	3,026	0	1	3,027	-0.3	-0.002	-0.003
2037	3,413	0	1	3,414	3,413	0	1	3,414	-0.4	-0.003	-0.003
2038	3,791	0	1	3,792	3,792	0	1	3,793	-0.6	-0.004	-0.005
2039	4,200	0	1	4,201	4,201	0	1	4,202	-0.6	-0.004	-0.005
2040	4,689	0	1	4,690	4,689	0	1	4,690	0.0	0.000	0.000

Notes:
Negative indicates a reduction in the customer bill.

The annual costs include only the system emission costs.

The bill impact computation is based on dividing the differential in revenue requirements between the two cases by the system total billed sales. As such it represents a system average rate impact, not specific to any one rate class.

These projections, beginning in January 2015, are based on simulations using the same assumptions as in the 2015 Ten-Year Site Plan report. The data in the table prior to January 2015 is based on actuals.

New Generation Martin Solar Project
Annual Emission Costs - with and without Solar Project

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]
	Emission Related Revenue Requirements Costs with Solar Project				Emission Related Revenue Requirements Costs without Solar Project				[4]- [8] Differential in Revenue Requirements ($ millions)	Differential in Customer Bill $/1,000 kwh	Differential in Customer Bill $/1,200 kwh
	CO2 ($ millions)	SO2 ($ millions)	NOx ($ millions)	Total ($ millions)	CO2 ($ millions)	SO2 ($ millions)	NOx ($ millions)	Total ($ millions)			
2011	0	0	-1	-1	0	0	-1	-1	0.0	0.000	0.000
2012	0	0	-2	-2	0	0	-1	-2	0.0	0.000	0.000
2013	0	0	0	0	0	0	0	0	0.0	0.000	0.000
2014	0	0	0	0	0	0	0	0	0.0	0.000	0.000
2015	0	0	2	2	0	0	2	2	0.0	0.000	0.000
2016	0	0	2	2	0	0	2	2	0.0	0.000	0.000
2017	0	0	2	2	0	0	2	2	0.0	0.000	0.000
2018	0	0	2	2	0	0	2	2	0.0	0.000	0.000
2019	0	0	2	2	0	0	2	2	0.0	0.000	0.000
2020	360	0	2	361	360	0	2	362	-0.5	-0.004	-0.005
2021	415	0	2	416	415	0	2	417	-0.5	-0.004	-0.005
2022	480	0	2	482	481	0	2	483	-0.7	-0.006	-0.007
2023	550	0	2	551	550	0	2	552	-0.7	-0.006	-0.007
2024	633	0	2	635	634	0	2	636	-0.9	-0.007	-0.009
2025	718	0	2	720	719	0	2	721	-0.8	-0.006	-0.007
2026	847	0	2	848	848	0	2	849	-1.3	-0.010	-0.012
2027	931	0	2	932	932	0	2	933	-1.3	-0.010	-0.012
2028	975	0	1	976	976	0	1	977	-1.4	-0.010	-0.012
2029	1,081	0	1	1,083	1,083	0	1	1,084	-1.6	-0.012	-0.014
2030	1,231	0	1	1,232	1,233	0	1	1,234	-2.1	-0.015	-0.018
2031	1,406	0	1	1,407	1,408	0	1	1,409	-1.9	-0.013	-0.016
2032	1,635	0	1	1,636	1,637	0	1	1,639	-2.1	-0.015	-0.018
2033	1,995	0	1	1,996	1,997	0	1	1,998	-2.1	-0.015	-0.018
2034	2,270	0	1	2,271	2,272	0	1	2,273	-1.6	-0.011	-0.013
2035	2,537	0	1	2,538	2,541	0	1	2,542	-3.4	-0.023	-0.028
2036	3,023	0	1	3,024	3,026	0	1	3,027	-2.9	-0.019	-0.023
2037	3,409	0	1	3,410	3,413	0	1	3,414	-3.8	-0.026	-0.031
2038	3,788	0	1	3,789	3,792	0	1	3,793	-3.9	-0.025	-0.030
2039	4,197	0	1	4,198	4,201	0	1	4,202	-4.0	-0.026	-0.031
2040	4,684	0	1	4,686	4,689	0	1	4,690	-4.7	-0.030	-0.036

Notes:

Negative indicates a reduction in the customer bill.

The annual costs include only the system emission costs.

The bill impact computation is based on dividing the differential in revenue requirements between the two cases by the system total billed sales. As such it represents a system average rate impact, not specific to any one rate class.

These projections, beginning in January 2015, are based on simulations using the same assumptions as in the 2015 Ten-Year Site Plan report. The data in the table prior to January 2015 is based on actuals.

Q.

Please complete the table below for each of FPL's solar projects.

A.

Please see FPL's answer to Staff's 3rd Set Interrogatory No. 28.

AFFIDAVIT

STATE OF FLORIDA)

COUNTY OF PALM BEACH)

I hereby certify that on this 30th day of September, 2015, before me, an officer duly authorized in the State and County aforesaid to take acknowledgments, personally appeared Juan Enjamio, who is personally known to me, and he acknowledged before me that he provided the answers to interrogatory numbers 22 and 24 through 29 from **Staff's Third Set Of Interrogatories to Florida Power & Light Company (Nos. 19-29)** in Docket No. 150007-EI, and that the response is true and correct based on his personal knowledge.

Juan Enjamio

In Witness Whereof, I have hereunto set my hand and seal in the State and County aforesaid as of this 30th day of September, 2015.

Notary Public
State of Florida, at Large

My Commission Expires:

CAROLYN J SMITH
Notary Public - State of Florida
My Comm. Expires Sep 11, 2018
Commission # FF 122975

AFFIDAVIT

STATE OF FLORIDA)

COUNTY OF MIAMI DADE)

I hereby certify that on this 30th day of September, 2015, before me, an officer duly authorized in the State and County aforesaid to take acknowledgments, personally appeared Damaris Rodriguez, who is personally known to me, and she acknowledged before me that she provided the answer to interrogatory number 21 from **Staff's Third Set Of Interrogatories to Florida Power & Light Company (Nos. 19-29)** in Docket No. 150007-EI, and that the response is true and correct based on her personal knowledge.

Damaris Rodriguez

In Witness Whereof, I have hercunto set my hand and seal in the State and County aforesaid as of this 30th day of September, 2015.

Notary Public
State of Florida, at Large

My Commission Expires:

CAROLYN J SMITH
Notary Public - State of Florida
My Comm. Expires Sep 11, 2018
Commission # FF 122975

AFFIDAVIT

STATE OF FLORIDA)

COUNTY OF PALM BEACH)

I hereby certify that on this 30th day of September, 2015, before me, an officer duly authorized in the State and County aforesaid to take acknowledgments, personally appeared Lisa Fuca, who is personally known to me, and she acknowledged before me that she provided the answers to interrogatory number 19 from **Staff's Third Set Of Interrogatories to Florida Power & Light Company (Nos. 19-29)** in Docket No. 150007-EI, and that the response is true and correct based on her personal knowledge.

Lisa Fuca

In Witness Whereof, I have hereunto set my hand and seal in the State and County aforesaid as of this 30th day of September, 2015.

Notary Public
State of Florida, at Large

My Commission Expires:

JO RETHA FORBES
Notary Public - State of Florida
My Comm. Expires Mar 8, 2018
Commission # FF 090102

AFFIDAVIT

STATE OF FLORIDA)

COUNTY OF PALM BEACH)

I hereby certify that on this 30th day of September, 2015, before me, an officer duly authorized in the State and County aforesaid to take acknowledgments, personally appeared John Hampp, who is personally known to me, and he acknowledged before me that he provided the answer to interrogatory number 20 from **Staff's Third Set Of Interrogatories to Florida Power & Light Company (Nos. 19-29)** in Docket No. 150007-EI, and that the response is true and correct based on his personal knowledge.

John Hampp

In Witness Whereof, I have hereunto set my hand and seal in the State and County aforesaid as of this 30th day of September, 2015.

Notary Public
State of Florida, at Large

My Commission Expires:

Notary Public State of Florida
Lois M Sivia
My Commission EE130697
Expires 11/05/2015

AFFIDAVIT

STATE OF FLORIDA)

COUNTY OF PALM BEACH)

I hereby certify that on this 28th day of September, 2015, before me, an officer duly authorized in the State and County aforesaid to take acknowledgments, personally appeared Roxane Kennedy, who is personally known to me, and she acknowledged before me that she provided the answers to interrogatory number 23 from **Staff's Third Set Of Interrogatories to Florida Power & Light Company (Nos. 19-29)** in Docket No. 150007-EI, and that the response is true and correct based on her personal knowledge.

Roxane Kennedy

In Witness Whereof, I have hereunto set my hand and seal in the State and County aforesaid as of this 28th day of September, 2015.

Notary Public
State of Florida, at Large

My Commission Expires:
August 3, 2019

BRENDA THEROFF
MY COMMISSION # FF905939
EXPIRES August 03, 2019
(407) 398-0153 FloridaNotaryService.com