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June 4, 2019

**VIA ELECTRONIC FILING**

Mr. Adam Teitzman  
Commission Clerk  
Florida Public Service Commission  
Betty Easley Conference Center  
2540 Shumard Oak Boulevard, Room 110  
Tallahassee, FL 32399-0850

Re: Docket No. 20190061-EI  
FPL's Responses to Staff's Second Data Request

Dear Mr. Teitzman:

Attached are Florida Power & Light Company's ("FPL") non-confidential responses to Staff's Second Data Request (Nos. 1-4) in Docket No. 20190061-EI. FPL is contemporaneously filing via hand-delivery a request for confidential classification regarding its response to Data Request No. 2. In addition, FPL's responses to some of the Data Requests include attachments that are in MS Excel format, and FPL will serve copies of those files in native format upon Staff via electronic mail.

Please contact me if you or your Staff has any questions regarding this filing.

Sincerely,

s/ Maria Jose Moncada  
Maria Jose Moncada

Attachments  
cc: Walt Trierweiler  
Stephanie Morse

:7316811

**QUESTION:**

Please refer to FPL's response to Staff's First Data Request, No. 29, for the following questions.

- a. Please provide FPL's rationale for assuming the company's non-zero CO<sub>2</sub> emission cost value (price forecast) occurs in 2026 for purpose of developing FPL's CPVRR Base Case (Mid CO<sub>2</sub> price, Mid Fuel cost) scenario.
- b. Please refer to FPL's response to Staff's First Set of Interrogatories, No. 27, in Docket No. 20170123-EI (Petition for approval of arrangement to mitigate unfavorable impact of St. John River Power Park, by Florida Power & Light Company) in which FPL indicated that "FPL's base case also assumed that CO<sub>2</sub> prices would start in 2028." Please explain in detail why FPL, and its consultant ICF, changed the forecast of initial non-zero CO<sub>2</sub> emission price to 2026 rather than 2028 in developing the CPVRR Base Case scenario in this docket.
- c. Please provide alternative responses to Staff's First Data Request, Nos. 28 and 78 (for Base Case only) using the same CO<sub>2</sub> price forecast that FPL assumed in Docket No. 20170123-EI.

**RESPONSE:**

- a. FPL uses the CO<sub>2</sub> emission price forecast developed by ICF. ICF determines the start year for CO<sub>2</sub> emissions prices as well as the level of the prices. In developing their forecast, ICF bases the start year of the forecast on its assessment of the likelihood of various scenarios of federal legislation and regulation of CO<sub>2</sub> prices.

There was no significant difference in ICF's assessment of the probability of federal action in this area between their forecast used in Docket No. 20170123-EI and the current CO<sub>2</sub> forecast used by FPL in the economic analysis of the FPL SolarTogether Program. In both forecasts, ICF assigned a low probability for action in 2026 and 2027 resulting in CO<sub>2</sub> emission prices of less than \$1 per ton. Because the values were so low, ICF did not include them in the 2026 and 2027 forecast used in Docket No. 20170123-EI. In the current forecast, however, ICF did include these low 2026 and 2027 values. Because the 2026 and 2027 values are so low, 0.52 and 0.84 dollars per ton in the current forecast, respectively, the decision to include the cost for these two years has a small impact (approximately \$1 million) on the CPVRR of FPL SolarTogether Program.

The important difference between the two forecasts is that CO<sub>2</sub> emission prices were significantly higher in the forecast used in Docket No. 20170123-EI. As a result, the FPL SolarTogether Program would have increased customer (CPVRR) savings of \$117 million if the Docket No. 20170123-EI CO<sub>2</sub> emission price forecast is used.

- b. Please see response to subpart (a) above.
- c. See the tables provided in Attachments Nos. 1 – 3 to this response.

Florida Power & Light Company  
Docket No. 20190061-EI  
Staff's Second Data Request  
Request No. 1  
Attachment No. 1  
Tab 1 of 2

Fuel Cost Forecast -----	Environmental Compliance Cost Forecast -----	No Solar Together Plan (Millions) -----	FPL Solar Together Plan (Millions) -----	Net Difference (Millions) -----	Difference from Base Case Scenario (Millions) -----
Mid Fuel Cost	Mid CO <sub>2</sub>	\$53,393	\$53,137	(\$256)	\$0

<--- Base Case Scenario

- Negative ( ) Indicates Savings to FPL Customers.  
CO2 forecast assumed in 20170123-EI Docket

**No ST Plan - Mid Fuel & Mid CO<sub>2</sub>**

Year	Discount Factor	Program Admin. Costs (Millions)	Solar Revenue Requirements				Non-Solar Generation Costs Avoided						System Costs Avoided					Total RevReq (Millions)	
			Generation Capital (Millions)	Transmission Interconnection (Millions)	Fixed O&M (Millions)	Land (Millions)	Generation Capital (Millions)	Fixed O&M (Millions)	Transmission Interconnection (Millions)	Capital Replacement (Millions)	Incremental Gas Transport (Millions)	Short-Term Purchases (Millions)	System Net Fuel (Millions)	Startup + VOM (Millions)	CO <sub>2</sub> Emission (Millions)	NO <sub>x</sub> Emission (Millions)	SO <sub>2</sub> Emission (Millions)		
2019	1.01	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,092	\$25	\$0	\$1	\$0	\$2,118
2020	0.93	\$0	\$0	\$0	\$0	\$0	\$2	\$4	\$0	\$0	\$0	\$0	\$0	\$1,807	\$24	\$0	\$1	\$0	\$1,837
2021	0.87	\$0	\$0	\$0	\$0	\$0	\$31	\$7	\$0	\$0	\$0	\$0	\$0	\$1,819	\$24	\$0	\$1	\$0	\$1,882
2022	0.80	\$0	\$0	\$0	\$0	\$0	\$70	\$15	\$1	\$0	\$0	\$0	\$0	\$1,851	\$26	\$0	\$1	\$0	\$1,964
2023	0.75	\$0	\$0	\$0	\$0	\$0	\$138	\$13	\$3	\$0	\$0	\$0	\$0	\$1,995	\$28	\$0	\$1	\$0	\$2,177
2024	0.69	\$0	\$0	\$0	\$0	\$0	\$234	\$23	\$8	\$0	\$0	\$0	\$0	\$2,211	\$32	\$0	\$1	\$0	\$2,509
2025	0.64	\$0	\$0	\$0	\$0	\$0	\$286	\$23	\$11	\$0	\$0	\$0	\$0	\$2,391	\$38	\$0	\$1	\$0	\$2,750
2026	0.60	\$0	\$0	\$0	\$0	\$0	\$273	\$24	\$11	\$0	\$0	\$0	\$0	\$2,605	\$39	\$0	\$1	\$0	\$2,953
2027	0.55	\$0	\$0	\$0	\$0	\$0	\$262	\$25	\$11	\$10	\$0	\$0	\$0	\$2,771	\$37	\$0	\$1	\$0	\$3,116
2028	0.51	\$0	\$0	\$0	\$0	\$0	\$365	\$40	\$16	\$12	\$0	\$0	\$0	\$2,897	\$51	\$124	\$1	\$0	\$3,505
2029	0.48	\$0	\$0	\$0	\$0	\$0	\$419	\$38	\$19	\$11	\$0	\$0	\$0	\$3,033	\$61	\$148	\$1	\$0	\$3,729
2030	0.44	\$0	\$0	\$0	\$0	\$0	\$413	\$41	\$19	\$12	\$0	\$0	\$0	\$3,146	\$65	\$259	\$1	\$0	\$3,955
2031	0.41	\$0	\$0	\$0	\$0	\$0	\$444	\$44	\$22	\$26	\$0	\$0	\$0	\$3,254	\$58	\$360	\$1	\$0	\$4,210
2032	0.38	\$0	\$0	\$0	\$0	\$0	\$484	\$54	\$25	\$35	\$0	\$0	\$0	\$3,418	\$64	\$486	\$1	\$0	\$4,567
2033	0.35	\$0	\$0	\$0	\$0	\$0	\$553	\$58	\$30	\$33	\$0	\$0	\$0	\$3,521	\$70	\$620	\$1	\$0	\$4,886
2034	0.33	\$0	\$0	\$0	\$0	\$0	\$638	\$62	\$34	\$52	\$0	\$0	\$0	\$3,628	\$81	\$776	\$1	\$0	\$5,271
2035	0.31	\$0	\$0	\$0	\$0	\$0	\$722	\$79	\$38	\$79	\$0	\$0	\$0	\$3,786	\$88	\$959	\$1	\$0	\$5,752
2036	0.28	\$0	\$0	\$0	\$0	\$0	\$806	\$79	\$42	\$87	\$0	\$0	\$0	\$4,081	\$97	\$1,156	\$1	\$0	\$6,349
2037	0.26	\$0	\$0	\$0	\$0	\$0	\$890	\$89	\$46	\$96	\$0	\$0	\$0	\$4,232	\$103	\$1,318	\$1	\$0	\$6,774
2038	0.24	\$0	\$0	\$0	\$0	\$0	\$973	\$97	\$51	\$120	\$0	\$0	\$0	\$4,371	\$112	\$1,493	\$1	\$0	\$7,216
2039	0.23	\$0	\$0	\$0	\$0	\$0	\$984	\$112	\$51	\$135	\$0	\$0	\$0	\$4,486	\$119	\$1,674	\$1	\$0	\$7,561
2040	0.21	\$0	\$0	\$0	\$0	\$0	\$1,027	\$106	\$53	\$137	\$0	\$0	\$0	\$4,632	\$127	\$1,890	\$1	\$0	\$7,973
2041	0.20	\$0	\$0	\$0	\$0	\$0	\$1,130	\$125	\$57	\$160	\$0	\$0	\$0	\$4,790	\$144	\$2,080	\$1	\$0	\$8,488
2042	0.18	\$0	\$0	\$0	\$0	\$0	\$1,159	\$120	\$58	\$185	\$0	\$0	\$0	\$4,905	\$151	\$2,255	\$1	\$0	\$8,834
2043	0.17	\$0	\$0	\$0	\$0	\$0	\$1,301	\$144	\$64	\$206	\$0	\$0	\$0	\$5,170	\$158	\$2,562	\$1	\$0	\$9,605
2044	0.16	\$0	\$0	\$0	\$0	\$0	\$1,347	\$139	\$66	\$245	\$0	\$0	\$0	\$5,371	\$172	\$2,847	\$1	\$0	\$10,189
2045	0.14	\$0	\$0	\$0	\$0	\$0	\$1,382	\$155	\$68	\$266	\$0	\$0	\$0	\$5,460	\$180	\$3,075	\$1	\$0	\$10,587
2046	0.13	\$0	\$0	\$0	\$0	\$0	\$1,383	\$159	\$69	\$299	\$0	\$0	\$0	\$5,584	\$187	\$3,346	\$1	\$0	\$11,026
2047	0.12	\$0	\$0	\$0	\$0	\$0	\$1,419	\$187	\$71	\$299	\$0	\$0	\$0	\$5,723	\$197	\$3,654	\$1	\$0	\$11,551
2048	0.12	\$0	\$0	\$0	\$0	\$0	\$1,420	\$173	\$71	\$346	\$0	\$0	\$0	\$5,845	\$205	\$3,967	\$1	\$0	\$12,028
2049	0.11	\$0	\$0	\$0	\$0	\$0	\$1,459	\$201	\$73	\$354	\$0	\$0	\$0	\$5,951	\$206	\$4,304	\$1	\$0	\$12,549
2050	0.10	\$0	\$0	\$0	\$0	\$0	\$1,460	\$188	\$73	\$365	\$0	\$0	\$0	\$6,035	\$212	\$4,394	\$1	\$0	\$12,727
2051	0.09	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	<b>CPVRR Thru 2051</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$5,437</b>	<b>\$588</b>	<b>\$260</b>	<b>\$606</b>	<b>\$0</b>	<b>\$0</b>	<b>\$38,124</b>	<b>\$799</b>	<b>\$7,570</b>	<b>\$9</b>	<b>\$0</b>	<b>\$0</b>	<b>\$53,393</b>

- Negative ( ) Indicates Savings to FPL Customers.

FPL SolarTogether Plan - Mid Fuel & Mid CO<sub>2</sub>

Year	Discount Factor	Program Admin. Costs (Millions)	Solar Revenue Requirements				Non-Solar Generation Costs Avoided						System Costs Avoided					Total Rev/Req (Millions)	
			Generation Capital (Millions)	Transmission Interconnection (Millions)	Fixed O&M (Millions)	Land (Millions)	Generation Capital (Millions)	Fixed O&M (Millions)	Transmission Interconnection (Millions)	Capital Replacement (Millions)	Incremental Gas Transport (Millions)	Short-Term Purchases (Millions)	System Net Fuel (Millions)	Startup + VOM (Millions)	CO <sub>2</sub> Emission (Millions)	NO <sub>x</sub> Emission (Millions)	SO <sub>2</sub> Emission (Millions)		
2019	1.01	\$2	\$0	\$0	\$0	\$4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,092	\$25	\$0	\$1	\$0	\$2,124
2020	0.93	\$2	\$54	\$6	\$1	\$11	\$1	\$1	\$0	\$0	\$0	\$0	\$0	\$1,787	\$24	\$0	\$1	\$0	\$1,888
2021	0.87	\$2	\$170	\$21	\$5	\$12	\$9	\$1	\$0	\$0	\$0	\$0	\$0	\$1,759	\$23	\$0	\$1	\$0	\$2,002
2022	0.80	\$2	\$176	\$22	\$6	\$12	\$13	\$8	\$0	\$0	\$0	\$0	\$0	\$1,785	\$24	\$0	\$1	\$0	\$2,049
2023	0.75	\$1	\$165	\$21	\$6	\$12	\$55	\$5	\$0	\$0	\$0	\$0	\$0	\$1,922	\$27	\$0	\$1	\$0	\$2,216
2024	0.69	\$1	\$156	\$20	\$7	\$12	\$183	\$17	\$8	\$0	\$0	\$0	\$0	\$2,133	\$30	\$0	\$1	\$0	\$2,568
2025	0.64	\$0	\$149	\$20	\$8	\$12	\$237	\$17	\$11	\$0	\$0	\$0	\$0	\$2,307	\$35	\$0	\$1	\$0	\$2,797
2026	0.60	\$0	\$142	\$19	\$8	\$12	\$228	\$18	\$10	\$0	\$0	\$0	\$0	\$2,516	\$37	\$0	\$1	\$0	\$2,992
2027	0.55	\$0	\$137	\$18	\$9	\$12	\$219	\$18	\$10	\$10	(\$60)	\$0	\$0	\$2,674	\$41	\$0	\$1	\$0	\$3,091
2028	0.51	\$0	\$133	\$17	\$9	\$12	\$326	\$33	\$16	\$12	(\$59)	\$0	\$0	\$2,804	\$53	\$119	\$1	\$0	\$3,476
2029	0.48	\$0	\$129	\$17	\$9	\$12	\$382	\$31	\$19	\$11	(\$59)	\$0	\$0	\$2,949	\$57	\$144	\$1	\$0	\$3,702
2030	0.44	\$0	\$124	\$16	\$9	\$12	\$379	\$34	\$19	\$12	(\$59)	\$0	\$0	\$3,060	\$61	\$252	\$1	\$0	\$3,920
2031	0.41	\$0	\$120	\$15	\$9	\$12	\$421	\$37	\$22	\$26	(\$58)	\$0	\$0	\$3,149	\$56	\$348	\$1	\$0	\$4,159
2032	0.38	\$0	\$115	\$15	\$10	\$12	\$479	\$47	\$25	\$35	(\$58)	\$0	\$0	\$3,310	\$61	\$470	\$1	\$0	\$4,523
2033	0.35	\$0	\$111	\$14	\$10	\$12	\$547	\$51	\$29	\$33	(\$58)	\$0	\$0	\$3,411	\$69	\$600	\$1	\$0	\$4,832
2034	0.33	\$0	\$106	\$13	\$10	\$12	\$633	\$55	\$34	\$52	(\$57)	\$0	\$0	\$3,514	\$80	\$750	\$1	\$0	\$5,203
2035	0.31	\$0	\$102	\$13	\$10	\$12	\$718	\$72	\$38	\$69	(\$57)	\$0	\$0	\$3,671	\$84	\$928	\$1	\$0	\$5,660
2036	0.28	\$0	\$98	\$12	\$11	\$12	\$802	\$72	\$42	\$76	(\$57)	\$0	\$0	\$3,962	\$93	\$1,121	\$1	\$0	\$6,245
2037	0.26	\$0	\$93	\$11	\$11	\$12	\$885	\$82	\$46	\$92	(\$57)	\$0	\$0	\$4,112	\$100	\$1,280	\$1	\$0	\$6,669
2038	0.24	\$0	\$98	\$11	\$11	\$12	\$968	\$89	\$50	\$118	(\$56)	\$0	\$0	\$4,248	\$111	\$1,450	\$1	\$0	\$7,112
2039	0.23	\$0	\$93	\$10	\$11	\$12	\$980	\$102	\$51	\$133	(\$56)	\$0	\$0	\$4,362	\$117	\$1,627	\$1	\$0	\$7,442
2040	0.21	\$0	\$88	\$10	\$11	\$12	\$1,022	\$98	\$53	\$135	(\$56)	\$0	\$0	\$4,502	\$126	\$1,836	\$1	\$0	\$7,839
2041	0.20	\$0	\$82	\$10	\$11	\$12	\$1,112	\$114	\$57	\$159	(\$56)	\$0	\$0	\$4,661	\$140	\$2,023	\$1	\$0	\$8,329
2042	0.18	\$0	\$77	\$9	\$12	\$12	\$1,124	\$114	\$58	\$184	(\$55)	\$0	\$0	\$4,776	\$146	\$2,194	\$1	\$0	\$8,652
2043	0.17	\$0	\$72	\$9	\$13	\$12	\$1,268	\$141	\$64	\$205	(\$55)	\$0	\$0	\$5,035	\$156	\$2,494	\$1	\$0	\$9,414
2044	0.16	\$0	\$67	\$8	\$13	\$12	\$1,317	\$132	\$66	\$249	(\$55)	\$0	\$0	\$5,236	\$168	\$2,775	\$1	\$0	\$9,990
2045	0.14	\$1	\$62	\$8	\$12	\$13	\$1,354	\$146	\$68	\$271	(\$55)	\$0	\$0	\$5,325	\$174	\$2,999	\$1	\$0	\$10,378
2046	0.13	\$1	\$58	\$7	\$13	\$13	\$1,357	\$149	\$68	\$300	(\$54)	\$0	\$0	\$5,444	\$185	\$3,262	\$1	\$0	\$10,802
2047	0.12	\$1	\$54	\$7	\$13	\$13	\$1,395	\$176	\$71	\$299	(\$54)	\$0	\$0	\$5,585	\$189	\$3,566	\$1	\$0	\$11,313
2048	0.12	\$1	\$49	\$6	\$12	\$13	\$1,397	\$162	\$71	\$345	(\$54)	\$0	\$0	\$5,703	\$200	\$3,870	\$1	\$0	\$11,777
2049	0.11	\$1	\$45	\$6	\$12	\$13	\$1,437	\$189	\$73	\$348	(\$54)	\$0	\$0	\$5,810	\$202	\$4,201	\$1	\$0	\$12,284
2050	0.10	\$0	\$32	\$4	\$9	\$12	\$1,440	\$174	\$73	\$357	(\$54)	\$0	\$0	\$5,892	\$207	\$4,289	\$1	\$0	\$12,437
2051	0.09	(\$0)	\$6	\$1	\$1	\$5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13
	<b>CPVRR Thru 2051</b>	<b>\$11</b>	<b>\$1,417</b>	<b>\$178</b>	<b>\$96</b>	<b>\$146</b>	<b>\$5,079</b>	<b>\$508</b>	<b>\$255</b>	<b>\$597</b>	<b>(\$368)</b>	<b>\$0</b>	<b>\$37,066</b>	<b>\$778</b>	<b>\$7,364</b>	<b>\$9</b>	<b>\$0</b>	<b>\$53,137</b>	

**Net Difference - Mid Fuel & Mid CO<sub>2</sub>**

Year	Discount Factor	Program Admin. Costs (Millions)	Solar Revenue Requirements				Non-Solar Generation Costs Avoided						System Costs Avoided					Total RevReq (Millions)	
			Generation Capital (Millions)	Transmission Interconnection (Millions)	Fixed O&M (Millions)	Land (Millions)	Generation Capital (Millions)	Fixed O&M (Millions)	Transmission Interconnection (Millions)	Capital Replacement (Millions)	Incremental Gas Transport (Millions)	Short-Term Purchases (Millions)	System Net Fuel (Millions)	Startup + VOM (Millions)	CO <sub>2</sub> Emission (Millions)	NO <sub>x</sub> Emission (Millions)	SO <sub>2</sub> Emission (Millions)		
2019	1.01	\$2	\$0	\$0	\$0	\$4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6
2020	0.93	\$2	\$54	\$6	\$1	\$11	(\$1)	(\$3)	\$0	\$0	\$0	\$0	(\$19)	\$0	\$0	(\$0)	(\$0)	\$0	\$51
2021	0.87	\$2	\$170	\$21	\$5	\$12	(\$22)	(\$6)	\$0	\$0	\$0	\$0	(\$60)	(\$1)	\$0	(\$0)	(\$0)	\$120	
2022	0.80	\$2	\$176	\$22	\$6	\$12	(\$57)	(\$8)	(\$1)	\$0	\$0	\$0	(\$65)	(\$2)	\$0	(\$0)	(\$0)	\$85	
2023	0.75	\$1	\$165	\$21	\$6	\$12	(\$83)	(\$8)	(\$3)	\$0	\$0	\$0	(\$73)	(\$1)	\$0	(\$0)	(\$0)	\$39	
2024	0.69	\$1	\$156	\$20	\$7	\$12	(\$52)	(\$6)	(\$0)	\$0	\$0	\$0	(\$77)	(\$2)	\$0	(\$0)	(\$0)	\$59	
2025	0.64	\$0	\$149	\$20	\$8	\$12	(\$48)	(\$6)	(\$0)	\$0	\$0	\$0	(\$84)	(\$3)	\$0	(\$0)	(\$0)	\$46	
2026	0.60	\$0	\$142	\$19	\$8	\$12	(\$45)	(\$7)	(\$0)	\$0	\$0	\$0	(\$89)	(\$2)	\$0	(\$0)	(\$0)	\$39	
2027	0.55	\$0	\$137	\$18	\$9	\$12	(\$42)	(\$7)	(\$0)	\$0	\$0	\$0	(\$97)	\$4	\$0	(\$0)	(\$0)	(\$25)	
2028	0.51	\$0	\$133	\$17	\$9	\$12	(\$39)	(\$7)	(\$0)	\$0	\$0	\$0	(\$93)	\$2	(\$4)	(\$0)	(\$0)	(\$29)	
2029	0.48	\$0	\$129	\$17	\$9	\$12	(\$37)	(\$7)	(\$0)	\$0	\$0	\$0	(\$83)	(\$4)	(\$4)	\$0	\$0	(\$27)	
2030	0.44	\$0	\$124	\$16	\$9	\$12	(\$34)	(\$7)	(\$0)	\$0	\$0	\$0	(\$86)	(\$4)	(\$7)	\$0	\$0	(\$35)	
2031	0.41	\$0	\$120	\$15	\$9	\$12	(\$23)	(\$7)	(\$0)	\$0	\$0	\$0	(\$105)	(\$2)	(\$12)	(\$0)	(\$0)	(\$51)	
2032	0.38	\$0	\$115	\$15	\$10	\$12	(\$6)	(\$7)	(\$0)	\$0	\$0	\$0	(\$108)	(\$2)	(\$16)	(\$0)	(\$0)	(\$44)	
2033	0.35	\$0	\$111	\$14	\$10	\$12	(\$5)	(\$6)	(\$0)	\$0	\$0	\$0	(\$110)	(\$1)	(\$20)	(\$0)	(\$0)	(\$54)	
2034	0.33	\$0	\$106	\$13	\$10	\$12	(\$5)	(\$7)	(\$0)	\$0	\$0	\$0	(\$114)	(\$1)	(\$26)	(\$0)	(\$0)	(\$68)	
2035	0.31	\$0	\$102	\$13	\$10	\$12	(\$5)	(\$7)	(\$0)	(\$10)	(\$57)	\$0	(\$115)	(\$4)	(\$31)	(\$0)	(\$0)	(\$92)	
2036	0.28	\$0	\$98	\$12	\$11	\$12	(\$5)	(\$7)	(\$0)	(\$11)	(\$57)	\$0	(\$118)	(\$4)	(\$34)	(\$0)	(\$0)	(\$104)	
2037	0.26	\$0	\$93	\$11	\$11	\$12	(\$4)	(\$7)	(\$0)	(\$4)	(\$57)	\$0	(\$120)	(\$3)	(\$38)	(\$0)	(\$0)	(\$105)	
2038	0.24	\$0	\$98	\$11	\$11	\$12	(\$4)	(\$7)	(\$0)	(\$2)	(\$56)	\$0	(\$123)	(\$1)	(\$43)	(\$0)	(\$0)	(\$105)	
2039	0.23	\$0	\$93	\$10	\$11	\$12	(\$4)	(\$9)	(\$0)	(\$2)	(\$56)	\$0	(\$124)	(\$3)	(\$47)	(\$0)	(\$0)	(\$119)	
2040	0.21	\$0	\$88	\$10	\$11	\$12	(\$5)	(\$8)	(\$0)	(\$2)	(\$56)	\$0	(\$130)	(\$1)	(\$54)	(\$0)	(\$0)	(\$134)	
2041	0.20	\$0	\$82	\$10	\$11	\$12	(\$18)	(\$11)	(\$0)	(\$1)	(\$56)	\$0	(\$129)	(\$3)	(\$57)	(\$0)	(\$0)	(\$159)	
2042	0.18	\$0	\$77	\$9	\$12	\$12	(\$35)	(\$7)	(\$0)	(\$1)	(\$55)	\$0	(\$129)	(\$5)	(\$61)	(\$0)	(\$0)	(\$182)	
2043	0.17	\$0	\$72	\$9	\$13	\$12	(\$33)	(\$3)	(\$0)	(\$1)	(\$55)	\$0	(\$135)	(\$3)	(\$67)	(\$0)	(\$0)	(\$190)	
2044	0.16	\$0	\$67	\$8	\$13	\$12	(\$30)	(\$7)	(\$0)	\$5	(\$55)	\$0	(\$135)	(\$4)	(\$72)	(\$0)	(\$0)	(\$199)	
2045	0.14	\$1	\$62	\$8	\$12	\$13	(\$28)	(\$8)	(\$0)	\$5	(\$55)	\$0	(\$135)	(\$6)	(\$77)	(\$0)	(\$0)	(\$209)	
2046	0.13	\$1	\$58	\$7	\$13	\$13	(\$26)	(\$10)	(\$0)	\$1	(\$54)	\$0	(\$140)	(\$2)	(\$84)	(\$0)	(\$0)	(\$225)	
2047	0.12	\$1	\$54	\$7	\$13	\$13	(\$25)	(\$11)	(\$0)	\$0	(\$54)	\$0	(\$138)	(\$8)	(\$89)	(\$0)	(\$0)	(\$238)	
2048	0.12	\$1	\$49	\$6	\$12	\$13	(\$23)	(\$11)	(\$0)	(\$2)	(\$54)	\$0	(\$141)	(\$5)	(\$97)	(\$0)	(\$0)	(\$251)	
2049	0.11	\$1	\$45	\$6	\$12	\$13	(\$22)	(\$12)	(\$0)	(\$6)	(\$54)	\$0	(\$141)	(\$4)	(\$103)	(\$0)	(\$0)	(\$265)	
2050	0.10	\$0	\$32	\$4	\$9	\$12	(\$20)	(\$13)	(\$0)	(\$8)	(\$54)	\$0	(\$143)	(\$4)	(\$105)	(\$0)	(\$0)	(\$290)	
2051	0.09	(\$0)	\$6	\$1	\$1	\$5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13	
<b>CPVRR Thru 2051</b>		<b>\$11</b>	<b>\$1,417</b>	<b>\$178</b>	<b>\$96</b>	<b>\$146</b>	<b>(\$358)</b>	<b>(\$80)</b>	<b>(\$5)</b>	<b>(\$9)</b>	<b>(\$368)</b>	<b>\$0</b>	<b>(\$1,058)</b>	<b>(\$21)</b>	<b>(\$207)</b>	<b>(\$0)</b>	<b>\$0</b>	<b>(\$256)</b>	

Florida Power & Light Company  
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CO2 forecast assumed in 20170123-EI

Year	No ST Plan				FPL Solar Together Plan				Difference			
	CO <sub>2</sub> Emission (Tons)	NO <sub>x</sub> Emission (Tons)	SO <sub>2</sub> Emission (Tons)	Total Emission (Tons)	CO <sub>2</sub> Emission (Tons)	NO <sub>x</sub> Emission (Tons)	SO <sub>2</sub> Emission (Tons)	Total Emission (Tons)	CO <sub>2</sub> Emission (Tons)	NO <sub>x</sub> Emission (Tons)	SO <sub>2</sub> Emission (Tons)	Total Emission (Tons)
2019	37,922,074	7,393	1,975	37,931,441	37,922,074	7,393	1,975	37,931,441	0	0	0	0
2020	36,999,697	6,702	1,172	37,007,571	36,570,916	6,630	1,168	36,578,714	(428,781)	(73)	(4)	(428,857)
2021	37,300,289	6,739	1,308	37,308,335	35,966,455	6,449	1,280	35,974,184	(1,333,834)	(291)	(28)	(1,334,152)
2022	36,599,892	6,307	1,161	36,607,360	35,196,793	6,069	1,146	35,204,008	(1,403,099)	(238)	(16)	(1,403,352)
2023	36,959,008	6,337	1,286	36,966,630	35,512,328	6,058	1,262	35,519,648	(1,446,680)	(279)	(24)	(1,446,982)
2024	36,982,948	5,783	1,160	36,989,891	35,596,895	5,571	1,147	35,603,612	(1,386,053)	(212)	(14)	(1,386,279)
2025	36,931,382	5,652	1,293	36,938,327	35,563,201	5,417	1,283	35,569,901	(1,368,181)	(235)	(11)	(1,368,426)
2026	37,374,181	5,672	1,224	37,381,076	36,026,678	5,477	1,216	36,033,370	(1,347,503)	(195)	(8)	(1,347,706)
2027	38,108,566	5,811	1,380	38,115,757	36,697,205	5,620	1,356	36,704,181	(1,411,361)	(191)	(24)	(1,411,576)
2028	38,084,462	5,651	1,383	38,091,495	36,831,665	5,579	1,399	36,838,643	(1,252,797)	(72)	16	(1,252,853)
2029	38,570,578	5,656	1,369	38,577,603	37,490,639	5,686	1,388	37,497,713	(1,079,939)	30	19	(1,079,890)
2030	38,712,447	5,555	1,338	38,719,340	37,671,473	5,584	1,388	37,678,445	(1,040,974)	30	50	(1,040,895)
2031	38,994,581	5,106	1,256	39,000,943	37,676,849	4,910	1,253	37,683,012	(1,317,733)	(196)	(3)	(1,317,931)
2032	40,111,976	5,245	1,249	40,118,470	38,787,011	5,066	1,236	38,793,312	(1,324,965)	(180)	(13)	(1,325,158)
2033	40,355,165	5,251	1,223	40,361,639	39,027,813	5,078	1,207	39,034,098	(1,327,352)	(173)	(16)	(1,327,541)
2034	40,811,217	5,192	1,211	40,817,620	39,468,375	5,034	1,200	39,474,608	(1,342,843)	(158)	(12)	(1,343,012)
2035	41,495,024	5,267	1,208	41,501,498	40,169,188	5,121	1,195	40,175,504	(1,325,837)	(146)	(13)	(1,325,995)
2036	44,750,402	5,706	1,230	44,757,337	43,419,129	5,592	1,221	43,425,941	(1,331,273)	(114)	(9)	(1,331,396)
2037	45,689,616	5,832	1,231	45,696,679	44,363,525	5,718	1,220	44,370,463	(1,326,091)	(114)	(11)	(1,326,216)
2038	46,375,028	5,870	1,230	46,382,128	45,048,494	5,751	1,224	45,055,469	(1,326,534)	(119)	(7)	(1,326,659)
2039	46,620,244	5,859	1,233	46,627,335	45,300,194	5,758	1,226	45,307,177	(1,320,050)	(101)	(8)	(1,320,159)
2040	47,230,154	5,912	1,242	47,237,308	45,880,059	5,837	1,233	45,887,129	(1,350,095)	(75)	(9)	(1,350,179)
2041	48,306,891	5,871	1,246	48,314,008	46,984,577	5,776	1,238	46,991,590	(1,322,314)	(96)	(9)	(1,322,418)
2042	48,656,397	5,887	1,246	48,663,529	47,343,591	5,787	1,237	47,350,614	(1,312,806)	(101)	(9)	(1,312,915)
2043	51,360,079	6,137	1,262	51,367,478	50,010,457	6,083	1,253	50,017,792	(1,349,622)	(55)	(10)	(1,349,686)
2044	53,039,213	6,288	1,270	53,046,770	51,698,650	6,215	1,260	51,706,125	(1,340,563)	(73)	(10)	(1,340,645)
2045	53,234,259	6,285	1,265	53,241,808	51,909,149	6,224	1,258	51,916,631	(1,325,111)	(61)	(7)	(1,325,178)
2046	53,821,086	6,322	1,270	53,828,678	52,463,335	6,259	1,258	52,470,852	(1,357,751)	(64)	(12)	(1,357,827)
2047	54,618,414	6,368	1,272	54,626,054	53,294,395	6,342	1,261	53,301,998	(1,324,019)	(26)	(11)	(1,324,056)
2048	55,087,181	6,389	1,274	55,094,844	53,745,661	6,338	1,267	53,753,265	(1,341,521)	(52)	(8)	(1,341,580)
2049	55,534,056	6,833	1,325	55,542,214	54,206,398	6,770	1,318	54,214,485	(1,327,658)	(64)	(7)	(1,327,729)
2050	56,700,271	6,976	1,353	56,708,600	55,344,732	6,912	1,346	55,352,989	(1,355,539)	(65)	(7)	(1,355,611)
2051	0	0	0	0	0	0	0	0	0	0	0	0

- Negative ( ) Indicates Savings to FPL Customers.

Florida Power & Light Company  
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Attachment No. 3  
Tab 1 of 1

CO2 forecast assumed in 20170123-EI Docket

Year	Discount Factor	No ST Plan				FPL SolarTogether Plan				Difference			
		CO <sub>2</sub> Emission (Millions)	NO <sub>x</sub> Emission (Millions)	SO <sub>2</sub> Emission (Millions)	Total Emission (Millions)	CO <sub>2</sub> Emission (Millions)	NO <sub>x</sub> Emission (Millions)	SO <sub>2</sub> Emission (Millions)	Total Emission (Millions)	CO <sub>2</sub> Emission (Millions)	NO <sub>x</sub> Emission (Millions)	SO <sub>2</sub> Emission (Millions)	Total Emission (Millions)
2019	1.01	\$0	\$1	\$0	\$1	\$0	\$1	\$0	\$1	\$0	\$0.00	\$0	\$0
2020	0.93	\$0	\$1	\$0	\$1	\$0	\$1	\$0	\$1	\$0	(\$0.01)	\$0	(\$0)
2021	0.87	\$0	\$1	\$0	\$1	\$0	\$1	\$0	\$1	\$0	(\$0.04)	\$0	(\$0)
2022	0.80	\$0	\$1	\$0	\$1	\$0	\$1	\$0	\$1	\$0	(\$0.03)	\$0	(\$0)
2023	0.75	\$0	\$1	\$0	\$1	\$0	\$1	\$0	\$1	\$0	(\$0.03)	\$0	(\$0)
2024	0.69	\$0	\$1	\$0	\$1	\$0	\$1	\$0	\$1	\$0	(\$0.02)	\$0	(\$0)
2025	0.64	\$0	\$1	\$0	\$1	\$0	\$1	\$0	\$1	\$0	(\$0.02)	\$0	(\$0)
2026	0.60	\$0	\$1	\$0	\$1	\$0	\$1	\$0	\$1	\$0	(\$0.02)	\$0	(\$0)
2027	0.55	\$0	\$1	\$0	\$1	\$0	\$1	\$0	\$1	\$0	(\$0.02)	\$0	(\$0)
2028	0.51	\$124	\$1	\$0	\$124	\$119	\$1	\$0	\$120	(\$4)	(\$0.01)	\$0	(\$4)
2029	0.48	\$148	\$1	\$0	\$148	\$144	\$1	\$0	\$144	(\$4)	\$0.01	\$0	(\$4)
2030	0.44	\$259	\$1	\$0	\$260	\$252	\$1	\$0	\$253	(\$7)	\$0.01	\$0	(\$7)
2031	0.41	\$360	\$1	\$0	\$361	\$348	\$1	\$0	\$349	(\$12)	(\$0.02)	\$0	(\$12)
2032	0.38	\$486	\$1	\$0	\$487	\$470	\$1	\$0	\$471	(\$16)	(\$0.03)	\$0	(\$16)
2033	0.35	\$620	\$1	\$0	\$621	\$600	\$1	\$0	\$600	(\$20)	(\$0.02)	\$0	(\$20)
2034	0.33	\$776	\$1	\$0	\$776	\$750	\$1	\$0	\$751	(\$26)	(\$0.02)	\$0	(\$26)
2035	0.31	\$959	\$1	\$0	\$959	\$928	\$1	\$0	\$929	(\$31)	(\$0.02)	\$0	(\$31)
2036	0.28	\$1,156	\$1	\$0	\$1,156	\$1,121	\$1	\$0	\$1,122	(\$34)	(\$0.02)	\$0	(\$34)
2037	0.26	\$1,318	\$1	\$0	\$1,319	\$1,280	\$1	\$0	\$1,280	(\$38)	(\$0.02)	\$0	(\$38)
2038	0.24	\$1,493	\$1	\$0	\$1,494	\$1,450	\$1	\$0	\$1,451	(\$43)	(\$0.02)	\$0	(\$43)
2039	0.23	\$1,674	\$1	\$0	\$1,675	\$1,627	\$1	\$0	\$1,627	(\$47)	(\$0.02)	\$0	(\$47)
2040	0.21	\$1,890	\$1	\$0	\$1,891	\$1,836	\$1	\$0	\$1,837	(\$54)	(\$0.01)	\$0	(\$54)
2041	0.20	\$2,080	\$1	\$0	\$2,081	\$2,023	\$1	\$0	\$2,024	(\$57)	(\$0.01)	\$0	(\$57)
2042	0.18	\$2,255	\$1	\$0	\$2,256	\$2,194	\$1	\$0	\$2,195	(\$61)	(\$0.01)	\$0	(\$61)
2043	0.17	\$2,562	\$1	\$0	\$2,562	\$2,494	\$1	\$0	\$2,495	(\$67)	(\$0.00)	\$0	(\$67)
2044	0.16	\$2,847	\$1	\$0	\$2,848	\$2,775	\$1	\$0	\$2,776	(\$72)	(\$0.01)	\$0	(\$72)
2045	0.14	\$3,075	\$1	\$0	\$3,076	\$2,999	\$1	\$0	\$2,999	(\$77)	(\$0.02)	\$0	(\$77)
2046	0.13	\$3,346	\$1	\$0	\$3,347	\$3,262	\$1	\$0	\$3,262	(\$84)	(\$0.01)	\$0	(\$84)
2047	0.12	\$3,654	\$1	\$0	\$3,655	\$3,566	\$1	\$0	\$3,567	(\$89)	(\$0.01)	\$0	(\$89)
2048	0.12	\$3,967	\$1	\$0	\$3,967	\$3,870	\$1	\$0	\$3,871	(\$97)	(\$0.02)	\$0	(\$97)
2049	0.11	\$4,304	\$1	\$0	\$4,305	\$4,201	\$1	\$0	\$4,202	(\$103)	(\$0.01)	\$0	(\$103)
2050	0.10	\$4,394	\$1	\$0	\$4,395	\$4,289	\$1	\$0	\$4,290	(\$105)	(\$0.01)	\$0	(\$105)
2051	0.09	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.00	\$0	\$0
	<b>CPVRR Thru 2051</b>	<b>\$7,570</b>	<b>\$9</b>	<b>\$0</b>	<b>\$7,580</b>	<b>\$7,364</b>	<b>\$9</b>	<b>\$0</b>	<b>\$7,373</b>	<b>(\$207)</b>	<b>(\$0)</b>	<b>\$0</b>	<b>(\$207)</b>

- Negative ( ) Indicates Savings to FPL Customers.



**QUESTION:**

Please refer to FPL's response to Staff's First Data Request, No. 30, for the following questions.

- a. Please provide the discussed "annual probability values" for "high" and "middle" CO<sub>2</sub> emission compliance cost projections.
- b. Please explain why specifically a 2.1% factor was used in converting ICF's compliance cost values to nominal dollars in this docket.

**RESPONSE:**

- a. Please see confidential Attachment No. 1 to this response.
- b. ICF provides its CO<sub>2</sub> emissions price forecast in real dollars. FPL's economic analysis is performed using nominal dollars. Therefore, the values provided by ICF have to be converted to nominal values by applying an inflation factor. FPL used a 2.1% inflation factor, also provided by ICF, to convert the real prices to nominal prices.

**QUESTION:**

Please refer to the Petition at page 3. At the time Phase 1 is complete and is in service, what is the total annual revenue requirement associated with the 1,490 MW Phase 1 SolarTogether program?

**RESPONSE:**

At the time Phase 1 is complete, the total annual revenue requirement associated with the 1,490 MW SolarTogether Program is \$120.3 million (\$117.4 million, net of participant charges and credits).

**QUESTION:**

Please provide the CPVRR analysis, with all formulas intact, used to support the Company's statement that the Phase 1 SolarTogether offering is projected to save customers an estimated \$139 million.

**RESPONSE:**

See the Attachment No. 1 to this response.