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FPL's response to Staff's eighth data request,
Nos. 1-13

QUESTION:

Please refer to paragraph 4(e) of the Settlement Agreement.

- a. Can the Commission consider the CDR and CILC credits outside of a base rate proceeding (e.g., during a FEECA goals proceeding or DSM plan approval)? If not, please explain why not.
- b. Could the Commission close enrollment to new participants of the CDR and CILC programs if they are not cost effective? If not, please explain why not.

RESPONSE:

- a. During the term of the Proposed Settlement Agreement, the amount of CDR and CILC credits would not be subject to change pursuant to Paragraph 4 of the Proposed Settlement Agreement. As explained in the rebuttal testimony of FPL witness Cohen, FPL treats the CDR and CILC incentive payments as additional base revenues (or revenue credits), directly offsetting the revenue requirements of customer classes that participate in these programs because these incentive payments are collected from all customers as part of a DSM program recovered through the ECCR. Absent this offset of revenue requirements, the customer classes that receive direct bill benefits from the CDR and CILC incentive payments would receive higher revenue allocations. If the CDR and CILC credits were modified, adjusted, or reset without a corresponding adjustment to the CDR and CILC incentive payments that are treated as additional base revenues, this could result in a misalignment of the base revenue credits for the customer classes that participate in these programs and the incentive payments recovered through the ECCR.
- b. The Proposed Settlement Agreement contemplates that the tariffs attached thereto as Exhibits B (2022) and C (2023) would remain in effect during the term of the Settlement Agreement. FPL also notes that the CILC program was closed to new participants effective March 19, 1996 and would not be reopened under the Proposed Settlement Agreement. Of course, the Commission would retain the authority to similarly close the CDR program to new participants if it concluded that it was reasonable and prudent to do so based on the totality of the facts and circumstances developed through an evidentiary record, but presumably also taking into account whether this would negatively impact FPL's ability to meet its current commercial/industrial DSM Goals through the year 2024.

QUESTION:

Please refer to paragraph 4(e) of the Settlement Agreement and Exhibit B, Tariff Sheet No. 8.680.

- a. Verify that the CDR Credit included in the Settlement Agreement is \$8.70/kW. If not, please provide the correct value.
- b. Provide an updated RIM and TRC cost-effectiveness analysis of the CDR Credit included in the Settlement Agreement. As part of your response, identify assumptions used in developing the cost-effectiveness result.
- c. What would be the highest cost-effective CDR Credit using the RIM Test and TRC Tests, respectively? As part of your response, please provide the cost-effectiveness analyses used in this determination.

RESPONSE:

- a. The CDR monthly credit that is included in the Settlement Agreement is \$8.70/kW which is now the current level of that incentive payment.
- b. Using the same forecasts and assumptions that were utilized in preparing Exhibits SRS-1 and SRS-2 in the direct testimony of FPL witness Sim, and the \$8.70/kW monthly incentive level in the settlement agreement, new projections of the RIM and TRC ratios were developed. The approach used is an examination of the combination of existing and incremental participants in the CDR and CILC programs; *i.e.*, the same approach used in the two direct testimony exhibits mentioned above.

Using the monthly incentive level of \$8.70/kW, those projections are: 0.97 for the RIM test and 103.07 for the TRC test. (Note that because the fundamentally flawed TRC test does not account for the monthly incentive payments, the projected TRC ratio does not change regardless of whether the incentive level is \$0/kW, \$8.70/kW, or \$100/kW.)

- c. Using the RIM test, the highest monthly credit for the combined CDR and CILC programs that accounts for both existing and incremental customers is \$8.45/kW which would result in a RIM ratio of 1.00. A credit level of \$8.37/kW would result in a RIM ratio of 1.01.

Because the fundamentally flawed TRC test does not account for monthly incentive payments, the projected TRC ratio, assuming no other changes to benefits or non-incentive costs, will remain at 103.07 regardless of whether the incentive payment level is \$0/kW, \$8.70/kW, or \$100/kW.

Please see Attachment No. 1 for a working copy of the EXCEL file that was used to respond to this data request.

20210015.EI Staff Hearing Exhibits 01207

Florida Power & Light Company
Docket No. 20210015-EI
Staff's Eighth Data Request
Request No. 2
Attachment 1 of 1
Tab 1 of 1

Analysis of the Settlement Monthly Incentive Levels for the CDR & CILC Programs

Assumptions:	
Assumption (1): Projected CPVRR Net Benefits for CDR & CILC (millions)=	\$853
Assumption (2): CPVRR Admin Costs (millions) =	\$8
Assumption (3) - Scenario 1: Settlement CDR Monthly Incentive Level (\$/kW) =	\$8.70
Assumption (3) - Scenario 2: Maximum Incentive for RIM = 1.00	\$8.45
Assumption (3) - Scenario 3: Maximum Incentive for RIM = 1.01	\$8.37
Assumption (4): Discount rate =	7.52%
Assumption (5): Average Monthly MW of CDR & CILC =	697
Assumption (6): Time Period Over Which CPVRR Costs are Calculated =	2020 thru 2068
Assumption (7): CPVRR Cost of \$1/kW Monthly Incentive Payment for 1 MW = (see calculation below)	\$143,419

Year	Annual Incentive Cost for 1 MW at \$1/kw-mo.
2020	\$0
2021	\$0
2022	\$12,000
2023	\$12,000
2024	\$12,000
2025	\$12,000
2066	\$12,000
2067	\$12,000
2068	\$12,000
CPVRR =	\$143,419

	(1)	(2)	(3)	(4)	(5)
		= (Monthly Incentive x Assumption 5 x Assumption 7) / 1,000,000	= (2) + Assumption 2	= (1) / (3)	= (1) / Assumption 2
Scenario	CPVRR Net Benefits (Millions)	CPVRR Cost of Incentives Only (Millions)	CPVRR Total Cost: Incentives + Admin Costs (Millions)	RIM Benefit-to-Cost Ratio	TRC Benefit-to-Cost Ratio *
<u>Scenario 1: With Current Monthly Incentive Level of \$8.70/kW:</u>	\$853	\$870	\$878	0.97	103.07
<u>Scenario 2: Maximum Incentive for RIM = 1.00</u>	\$853	\$845	\$853	1.00	103.07
<u>Scenario 3: Maximum Incentive for RIM = 1.01</u>	\$853	\$836	\$845	1.01	103.07

* Because the TRC test inappropriately omits incentive payments as a cost, the incentive payments do not limit the cost-effectiveness in the TRC test.

(Note: rows for years 2026 thru 2065 are not shown to save space; those annual values are identical to the annual values that are shown.)

QUESTION:

Please refer to paragraph 12(d) of the Settlement Agreement.

- a. Explain how cost-effectiveness will be determined. As part of this response, specify whether other solar project(s) outside of the SoBRA and SolarTogether extension would be considered in this analysis as part of the base case, and if not, explain why not.
- b. Explain whether the cost-effectiveness requirement means that FPL must select the most cost-effective resource plan. If not, explain why not.
- c. Explain what is meant by “is cost effective compared to solar alone.”
- d. Does the cost-effectiveness analysis have to take into account other solar projects FPL is planning during the planning horizon, such as the SolarTogether extension? If not, explain why not.

RESPONSE:

- a. FPL has not yet decided if it will file for cost recovery approval for both the 2024 and 2025 SoBRA solar at the same time or in two separate filings. Solely for purposes of responding to this question, the assumption is made that a single cost recovery filing will address both 2024 and 2025 SoBRA solar.

The cost-effective analysis will be performed as follows: (i) assume that all the additional capacity (1,788 MW) from the SolarTogether extended program in 2023 through 2025 are a “given” for all resource plans that will be developed in the analysis (based on FPL seeking approval of the SolarTogether extended program through the Proposed Settlement Agreement and prior to filing for cost recovery for the 2024 and 2025 SoBRA solar); (ii) create two resource plans – one resource plan with the 2024 and 2025 SoBRA solar, and another resource plan without the 2024 and/or 2025 SoBRA solar; (iii) neither resource plan assumes additional solar beyond 2025 (because the objective of the analysis is to identify the value of the next increment of solar); then (iv) compare the projected CPVRR costs of the two resource plans to determine if the SoBRA solar additions are cost-effective additions.

Assuming that is the case, then a fifth aspect of the analysis will be to re-examine the 2024 and 2025 SoBRA solar resource plan with storage at one or more of the new solar sites to determine if CPVRR costs can be further lowered by the addition of storage, and if the combined cost of the solar plus storage facilities does not exceed \$1,250/kW cost cap.

- b. As explained above in FPL's response to subpart (a) of this data request, FPL's analysis will compare two resource plans. The objective of comparing these two resource plans is to determine if the next increment of solar; *i.e.*, the 2024 and 2025 SoBRA solar, is projected to be cost-effective versus no additional solar. Stated another way, the purpose of the cost-effectiveness analysis is to determine whether the investment decision under evaluation, *i.e.*, the SoBRA project, is a cost effective resource addition, not whether the entire planning horizon is a cost-effective integrated resource plan.

Using this analysis approach, the resource plans will be optimized with regard to lowest cost given the "no-additional-solar-after-2025" assumption. Due to this assumption, the plans will not necessarily represent the "most cost-effective" resource plans with regard to the years beyond 2025.

- c. The phrase refers to the projected cost-effectiveness of solar plus storage compared to solar without the storage. Assuming all else equal, the phrase is describing a scenario in which the CPVRR cost of a resource plan with solar plus some storage in 2024 and 2025 is lower than the projected CPVRR cost of a resource plan with solar only in 2024 and 2025.
- d. Please see FPL's response to subparts (a) and (b) above.

QUESTION:

Please refer to paragraph 12(f) of the Settlement Agreement. Clarify if there is a limit to the amount of surplus solar capacity that FPL could request in 2025.

RESPONSE:

FPL's intent is to seek approval for construction and recovery of the full 894 MW allotment of SoBRA solar projects in calendar years 2024 and 2025, respectively. Based on FPL's track record of delivering solar sites on time, the expectation is that there would be no surplus capacity carried forward from 2024 to 2025. If, however, FPL were to encounter challenges in permitting, procurement or construction that would prevent the successful completion of 894 MWs in 2024, it is possible that FPL would carry over unused capacity into 2025. For example, if FPL only received Commission approval for 794 MW of SoBRA recovery in 2024, it would be entitled to increase its request for 2025 SoBRA recovery by an additional 100 MW.

QUESTION:

Please refer to paragraph 20 of the Settlement Agreement and Exhibit B, Tariff Sheet Nos. 7.030 and 8.932. Please identify which former Gulf territories are eligible for the SolarTogether Rider given the multiple excluded counties listed on Tariff Sheet No. 7.030.

RESPONSE:

As stated in the Availability section of the SolarTogether Rider Sheet No. 8.932, “Upon completion of the necessary billing and enrollment system modifications the tariff will become available to all customers served by FPL....” At that time, this would include all of the former Gulf territories as noted on tariff sheet 7.030. These billing and enrollment system modifications are expected to be in place on or about January 1, 2023, coincident with the operations date of the first new solar energy centers that make up the additional 1,788 MW described in paragraph 20 of the Settlement Agreement.

QUESTION:

Please refer to paragraph 20 of the Settlement Agreement.

- a. Identify the status of the original 20 solar energy centers for the original 1,490 MW capacity approved by Order No. PSC-2020-0084-S-EI.
- b. Explain how the inclusion of the 1,788 MW of additional solar capacity in Phase 1 is consistent with Order No. PSC-2020-0084-S-EI. As part of your explanation, identify whether each component survives intact, is modified, or is no longer relevant.
- c. Explain why the incremental 1,788 MW SolarTogether extension is not treated as a separate phase, which would have subscription costs and credit rates that would reflect the costs and system benefits specific to that phase, as suggested by Witness Valle on page 10 of his direct testimony in Docket No. 20190061-EI.
- d. Provide the CPVRR benefit analysis of the incremental 1,788 MW SolarTogether extension. As part of this response, explain how the projected benefits were calculated, identifying whether the original 1,490 MW SolarTogether is included in the “No ST Extension Plan” base case, and provide the calculations in electronic (excel) format.
- e. Explain how the projected benefits from the SolarTogether project change with the change in Subscription Charge shown in Exhibit B, Second Revised Tariff Sheet No. 8.934. As part of your response, provide the calculations in electronic (excel) format.
- f. Would existing SolarTogether Phase 1 subscribers get retroactive credits or deductions for prior months of service? If not, explain why and whether FPL would seek cost recovery for those credits in excess of the amounts identified in the Revised Tariff.
- g. Provide a detailed installed cost estimate for the incremental 1,788 MW SolarTogether extension. As part of your response, please provide an electronic copy in excel format.
- h. Provide the amount of annual revenue requirement for the incremental 1,788 MW SolarTogether extension, with categories of capital and O&M separated. As part of this response, provide the annual amount that is covered by the new participant subscription charges and provide the calculations in electronic (Excel) format with the results should be shown in both dollars and percentages.
- i. Detail the amount subscription credits and subscription charges would be for the 1,788 MW incremental solar plants associated with the SolarTogether extension if it were independently evaluated. As a part of this response, provide the supporting calculations and the difference between these values and those proposed for SolarTogether Phase 1.

RESPONSE:

- a. As of June 30, 2021, all twenty solar energy centers associated with Phase 1 of the program are fully operational.
- b. We interpret the term “components” in the question to reflect what the Commission referred to in Order No. PSC-2020-0084-S-EI (“Order 2020-0084”) as “the principle features of the Program.” These principle features remain intact under the Extension of the program and the Extended Program is consistent with the Commission’s approval of Phase 1 under Order 2020-0084. The proposed incremental 1,788 MW of SolarTogether, like the original 1,490 MW, meets the intent of Section 366.92, F.S, and provides ample system-wide benefits. The benefits of the Extended Program include:
 - Promoting and developing additional renewable energy projects, moving forward on new investment in the state, creating new jobs and adding tax revenues for local communities
 - An increase in the Low-income allocation from the current 37.5 MW to 82.5 MW Increasing the residential allocation from the current 335 MW to 1005 MW and opening up the program to FPL Northwest (former Gulf Power) customers
 - Maintaining the same allocations of benefits (45%) for the general body of customers for the Extended Program, with increased savings due to the incremental 1,788 MW.
- c. The decision to include the incremental 1,788 MW as part of a holistic SolarTogether Extension Program instead of a separate phase is based on a number of factors.
 - The key/principle features of the original Phase 1 of the program remain intact under the Extended Program. These key features – the monthly subscription charge, the allocation of benefits between participants and the general body of customers, the continuation of the approximate seven-year payback—will apply to all participants and be part of one holistic Extended SolarTogether program. Phase 1 of the program has sold out with a robust waitlist; the extension will provide a mechanism to continue to serve customer interest
 - Under the Extended Program , the first set of the new solar sites is expected on line in December 2022, about 18 months after the last of the phase 1 sites were put into operation, allowing for a continuous build cycle and a seamless campaign to enroll customers.
 - Phase 1 of the program has an extensive waiting list. The extension of the program as proposed by FPL will provide a seamless mechanism to implement the incremental 1,788 MW as part of the holistic Extended Program and serve existing and additional anticipated customer interest.

- d. Please refer to Attachment No. 1 to this response, "FPL SolarTogether Extended Program," tab "Staffs 8th DR No. 6(d)" for the CPVRR benefit analysis of the incremental 1,788 MW SolarTogether extension. Please also refer to the confidential responsive documents in FPL's response to LULAC-ECOSWF-FL Rising's Fourth Request for Production of Documents No. 37 for the AURORA files for the two resource plans. In addition, please refer to the Pre-Filed Settlement Testimony of FPL witness Scott R. Bores for an explanation of how the CPVRR benefits were calculated, noting that both resource plans include the 1,490 MWs from FPL's original SolarTogether Program.
- e. In the second line of question No. 6(e), reference is made to the "Subscription Charge," FPL believes the reference should be "Subscription Credit." There were no changes made to the Subscription Charges in Exhibit B, Second Revised Tariff Sheet No. 8.934 compared to the original Phase 1 Subscription Charges.

Please refer to Attachment No. 1 to this response, "FPL SolarTogether Extended Program," tab "Exhibit SRB-16" for the CPVRR benefit analysis which utilizes the revised Subscription Credits per Exhibit B, Second Revised Tariff Sheet No. 8.934.

- f. No. As proposed, existing program participants will begin to benefit from the revised rate schedule starting on April 1, 2022. This change in credit rate schedule for existing participants will occur approximately 9 months prior to the first of the 24 additional sites achieving operations December 31, 2022.
- g. Please refer to Attachment No. 1 to this response, "SolarTogether Extended Program", tab "Staffs 8th DR No. 6(g)" for the detailed installed cost estimate for the incremental 1,788 MW SolarTogether extension.
- h. Please refer to Attachment No. 1 to this response, "SolarTogether Extended Program", tab "Staffs 8th DR No. 6(h)" for the annual base revenue requirements for the incremental 1,788 MW SolarTogether extension. The annual Subscription Charge, in dollars, is expressed as a percentage of base revenue requirements: 1) excluding base system impact savings, and 2) including base system impact savings.
- i. The incremental 1,788 MW of SolarTogether capacity included within the Proposed Settlement Agreement was evaluated as an extension of the existing Phase 1 program and no independent pricing (subscription charges or credits) was evaluated.

Florida Power & Light Company
Docket No. 20210015-EI
Staff's Eighth Data Request
Request No. 6
Attachment 1 of 1
Tab 1 of 21

Economic Decision Making Model FPL SolarTogether - Extended Program



20210015.El Staff Hearing Exhibits 01216

Florida Power & Light Company
 Docket No. 2022025-01
 Staff's Right-to-Know Request
 Request No. 6
 Attachment 2 of 2
 enr.com

Florida Power & Light Company
Docket No.: 20210615-4
CPURR Analysis for FPL's Extended Solar Together Program

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Florida Power & Light Company
Docket No. 20200504-EE
Staff's Regulatory Request
Request No. 2
Attachment 1 of 2
Tab 1 of 22

Florida Power & Light Company
Docket No. 20200504-EE
Summary CPUR Analysis for Phase 1 Extension
Staff's Regulatory Request
Request No. 2/2

Staff's Regulatory Request - Phase 1 Extension (1,750 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Florida Power & Light Company
Docket No: 20210015-EI
Installed Cost of Phase 1 Extension
Staffs Eighth Data Request
Request No: 6(g)

SolarTogether Phase 1 Extension (1,788 MW)

(\$ millions)

Project	1	2	3	4	5	Totals
Solar Sites	4	2	6	4	8	24
Total MWac	298.0	149.0	447.0	298.0	596.0	1,788.0
<u>Capital Cost</u>						
Modules, BOS	\$290.5	\$141.7	\$416.2	\$279.9	\$518.3	\$1,646.6
Collector Yard & Switchyard	31.9	16.2	47.7	31.4	74.6	201.9
Contingency	8.0	4.0	12.0	8.0	16.0	48.0
E&C Total	\$330.4	\$161.9	\$475.8	\$319.3	\$608.9	\$1,896.4
Power Delivery Total	\$20.9	\$5.3	\$20.7	\$19.1	\$32.3	\$98.2
Development, Permitting	7.0	3.3	12.4	6.5	12.4	41.6
Builders Risk	0.3	0.1	0.4	0.3	0.5	1.6
Sales Tax	1.3	0.7	2.0	1.3	2.7	8.1
Capital Distribution	0.3	0.2	0.5	0.3	0.6	1.9
Land	21.6	10.6	30.4	21.0	44.6	128.1
Easements	0.8	0.2	0.3	0.0	0.0	1.3
Total Installed Cost	\$382.6	\$182.2	\$542.5	\$367.8	\$702.0	\$2,177.2
AFUDC	11.7	5.6	16.7	11.3	21.3	66.6
Project Total Cost	\$394.3	\$187.8	\$559.2	\$379.1	\$723.4	\$2,243.8

20210015.EI Staff Hearing Exhibits 01219

Florida Power & Light Company
Docket No: 20210015-02
Summary CPVR: Analysis for Phase 1 Extension
Staffs Eighth Data Request
Request No: 6(b)

[illegible]

20210015.EI Staff Hearing Exhibits 01220

Employee Information		Pay Period		Salary		Benefits		Total Compensation		Other		Grand Total	
Employee Name	Employee ID	Start Date	End Date	Base Salary	Step	Health Insurance	Dental Insurance	Life Insurance	Retirement	Disability	Other	Grand Total	Notes
Employee Group 1													
John Doe	1001	2021-01-01	2021-01-15	\$100,000	1	\$1,000	\$500	\$200	\$1,500	\$0	\$0	\$103,200	
Jane Smith	1002	2021-01-01	2021-01-15	\$120,000	2	\$1,200	\$600	\$250	\$1,800	\$0	\$0	\$123,600	
Employee Group 2													
Mike Johnson	2001	2021-01-01	2021-01-15	\$80,000	1	\$800	\$400	\$150	\$1,200	\$0	\$0	\$82,400	
Sarah Brown	2002	2021-01-01	2021-01-15	\$90,000	2	\$900	\$450	\$180	\$1,350	\$0	\$0	\$92,700	
Employee Group 3													
David Wilson	3001	2021-01-01	2021-01-15	\$110,000	1	\$1,100	\$550	\$220	\$1,650	\$0	\$0	\$113,400	
Emily Davis	3002	2021-01-01	2021-01-15	\$130,000	2	\$1,300	\$650	\$260	\$1,950	\$0	\$0	\$133,900	
Employee Group 4													
Chris Miller	4001	2021-01-01	2021-01-15	\$95,000	1	\$950	\$475	\$190	\$1,415	\$0	\$0	\$97,365	
Alexander Lee	4002	2021-01-01	2021-01-15	\$105,000	2	\$1,050	\$525	\$208	\$1,553	\$0	\$0	\$107,733	
Employee Group 5													
Olivia Taylor	5001	2021-01-01	2021-01-15	\$115,000	1	\$1,150	\$575	\$232	\$1,757	\$0	\$0	\$118,127	
Benjamin White	5002	2021-01-01	2021-01-15	\$125,000	2	\$1,250	\$625	\$250	\$1,875	\$0	\$0	\$128,125	
Employee Group 6													
Isabella Garcia	6001	2021-01-01	2021-01-15	\$108,000	1	\$1,080	\$540	\$216	\$1,636	\$0	\$0	\$111,236	
Lucas Martinez	6002	2021-01-01	2021-01-15	\$118,000	2	\$1,180	\$590	\$236	\$1,766	\$0	\$0	\$121,636	
Employee Group 7													
Mia Hernandez	7001	2021-01-01	2021-01-15	\$128,000	1	\$1,280	\$640	\$256	\$1,936	\$0	\$0	\$131,836	
Noah Lopez	7002	2021-01-01	2021-01-15	\$138,000	2	\$1,380	\$690	\$272	\$2,042	\$0	\$0	\$142,042	
Employee Group 8													
Charlotte King	8001	2021-01-01	2021-01-15	\$148,000	1	\$1,480	\$740	\$296	\$2,156	\$0	\$0	\$151,836	
Ethan Scott	8002	2021-01-01	2021-01-15	\$158,000	2	\$1,580	\$790	\$312	\$2,262	\$0	\$0	\$162,062	
Employee Group 9													
Ava Baker	9001	2021-01-01	2021-01-15	\$168,000	1	\$1,680	\$840	\$336	\$2,366	\$0	\$0	\$172,166	
Leo Clark	9002	2021-01-01	2021-01-15	\$178,000	2	\$1,780	\$890	\$352	\$2,472	\$0	\$0	\$182,472	
Employee Group 10													
Grace Adams	10001	2021-01-01	2021-01-15	\$188,000	1	\$1,880	\$940	\$368	\$2,572	\$0	\$0	\$192,572	
Jack Nelson	10002	2021-01-01	2021-01-15	\$198,000	2	\$1,980	\$990	\$384	\$2,676	\$0	\$0	\$202,676	
Employee Group 11													
Liam Hill	11001	2021-01-01	2021-01-15	\$208,000	1	\$2,080	\$1,040	\$400	\$2,776	\$0	\$0	\$212,776	
Olivia Young	11002	2021-01-01	2021-01-15	\$218,000	2	\$2,180	\$1,090	\$416	\$2,882	\$0	\$0	\$222,882	
Employee Group 12													
William Allen	12001	2021-01-01	2021-01-15	\$228,000	1	\$2,280	\$1,140	\$432	\$2,982	\$0	\$0	\$232,982	
Zoe King	12002	2021-01-01	2021-01-15	\$238,000	2	\$2,380	\$1,190	\$448	\$3,082	\$0	\$0	\$243,082	
Employee Group 13													
Benjamin Taylor	13001	2021-01-01	2021-01-15	\$248,000	1	\$2,480	\$1,240	\$464	\$3,182	\$0	\$0	\$253,182	
Chloe White	13002	2021-01-01	2021-01-15	\$258,000	2	\$2,580	\$1,290	\$480	\$3,282	\$0	\$0	\$263,282	
Employee Group 14													
David Brown	14001	2021-01-01	2021-01-15	\$268,000	1	\$2,680	\$1,340	\$496	\$3,382	\$0	\$0	\$273,382	
Ella Green	14002	2021-01-01	2021-01-15	\$278,000	2	\$2,780	\$1,390	\$512	\$3,482	\$0	\$0	\$283,482	
Employee Group 15													
Frank Miller	15001	2021-01-01	2021-01-15	\$288,000	1	\$2,880	\$1,440	\$528	\$3,582	\$0	\$0	\$293,582	
Grace Wilson	15002	2021-01-01	2021-01-15	\$298,000	2	\$2,980	\$1,490	\$544	\$3,682	\$0	\$0	\$303,682	
Employee Group 16													
Henry Davis	16001	2021-01-01	2021-01-15	\$308,000	1	\$3,080	\$1,540	\$560	\$3,782	\$0	\$0	\$313,782	
Ivy Clark	16002	2021-01-01	2021-01-15	\$318,000	2	\$3,180	\$1,590	\$576	\$3,882	\$0	\$0	\$323,882	
Employee Group 17													
Jack Adams	17001	2021-01-01	2021-01-15	\$328,000	1	\$3,280	\$1,640	\$592	\$3,982	\$0	\$0	\$333,982	
Kyle Baker	17002	2021-01-01	2021-01-15	\$338,000	2	\$3,380	\$1,690	\$608	\$4,082	\$0	\$0	\$344,082	
Employee Group 18													
Liam King	18001	2021-01-01	2021-01-15	\$348,000	1	\$3,480	\$1,740	\$624	\$4,182	\$0	\$0	\$354,182	
Mia Scott	18002	2021-01-01	2021-01-15	\$358,000	2	\$3,580	\$1,790	\$640	\$4,282	\$0	\$0	\$364,282	
Employee Group 19													
Noah Hill	19001	2021-01-01	2021-01-15	\$368,000	1	\$3,680	\$1,840	\$656	\$4,382	\$0	\$0	\$374,382	
Olivia Young	19002	2021-01-01	2021-01-15	\$378,000	2	\$3,780	\$1,890	\$672	\$4,482	\$0	\$0	\$384,482	
Employee Group 20													
William Allen	20001	2021-01-01	2021-01-15	\$388,000	1	\$3,880	\$1,940	\$688	\$4,582	\$0	\$0	\$394,582	
Zoe King	20002	2021-01-01	2021-01-15	\$398,000	2	\$3,980	\$1,990	\$704	\$4,682	\$0	\$0	\$404,682	

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GENERAL ASSUMPTIONS

PROJECT TITLE: **FPL SolarTogether - Phase 1 Extension**

\$ thousands

CPVRR: \$ (425,030) unfavorable / (favorable)

DATES

Model Start Year **2021**
Discount Date **12/31/2022**
Inflation Base Year **2021**

I) TAX RATES

State Income Tax Rate **5.50%**
Federal Income Tax Rate **21.00%**
Blended Income Tax Rate 25.345%

II) COST OF CAPITAL

SOURCE	WEIGHT	ASSETS COST	WTD COST RATE	UNWTD AFTER TAX RATE	WTD AFTER TAX RATE	WTD PRE TAX RATE
DEBT	40.40%	3.51%	1.42%	2.62%	1.06%	1.42%
COMMON	59.60%	10.55%	6.29%	10.55%	6.29%	8.42%
TOTAL	100.00%				7.35%	9.84%

DISCOUNT RATE ("WACC"): **7.35%**

III) PROPERTY TAXES PROPERTY INSURANCE

1.73%
0.066%

III) AFUDC

	2020	2021	2022	2023	2024	2025	Allocation	Monthly	Annual
Debt	1.40%	1.40%	1.40%	1.40%	1.40%	1.40%	22.528%	0.116%	1.401%
Equity	4.82%	4.82%	4.82%	4.82%	4.82%	4.82%	77.472%	0.393%	4.819%
Total	6.22%	6.22%	6.22%	6.22%	6.22%	6.22%	100.000%	0.509%	6.220%

IV) FEDERAL TAX INCENTIVES

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
ITC	30%	30%	26%	26%	26%	26%	10%	10%	10%	10%	10%
Bonus	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

All Phase 1 Extension sites assumed to be safe harbored at 26% ITC

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PROJECT ASSUMPTIONS

		FPL SolarTogether Phase 1 Extension					
Project		1	2	3	4	5	Totals
Solar Sites		4	2	6	4	8	0
MWac Size		298.0	149.0	447.0	298.0	596.0	0.0
Commercial Operations Date (COD)		12/31/2022	3/31/2023	3/31/2024	1/31/2024	3/31/2025	1/1/2023
1st Month of Billing	1	1/31/2023	4/30/2023	4/30/2024	2/29/2024	4/30/2025	2/1/2023
O&M Profile							
Capital Cost		Cost Alloc.					
Modules	Solar Assets	\$117,692,120	\$60,317,212	\$166,777,265	\$110,265,960	\$212,107,088	\$0
BOS	Solar Assets	172,800,000	81,400,000	249,400,000	169,600,000	306,200,000	0
Collector Yard & Switchyard	Non-Solar Assets	31,940,000	16,220,000	43,660,000	31,440,000	68,630,000	0
Incremental TX, Network Integration	Non-Solar Assets	0	0	4,000,000	0	6,000,000	0
Contingency	Solar Assets	8,000,000	4,000,000	12,000,000	8,000,000	16,000,000	0
E&C Total		\$330,432,120	\$161,937,212	\$475,837,265	\$319,305,960	\$608,937,088	\$0
\$/kWac		1,109	1,087	1,065	1,071	1,022	-
Power Delivery Total (calculated)	Non-Solar Assets	20,885,000	5,265,000	20,650,999	19,131,000	32,270,000	0
Development (Permitting)	Solar Assets	6,950,000	3,300,000	12,400,000	6,500,000	12,400,000	0
Builders Risk	Solar Assets	261,236	130,618	391,854	261,236	522,472	0
Sales Tax	Solar Assets	1,347,796	673,898	2,021,694	1,347,796	2,695,592	0
Capital Distribution	Solar Assets	322,956	161,478	484,434	322,956	645,912	0
Land	Land	21,621,000	10,551,724	30,429,575	20,955,017	44,577,285	0
Easements	Solar Assets	800,000	200,000	329,000	0	0	0
Total Installed Cost		\$382,620,108	\$182,219,930	\$542,515,821	\$367,823,965	\$702,048,349	\$0
AFUDC		11,728,931	5,589,536	16,659,648	11,270,454	21,326,058	-
Project Total Cost		\$394,349,039	\$187,809,465	\$559,175,468	\$379,094,419	\$723,374,407	\$0
Total Installed Cost \$/kWac		\$1,284	\$1,223	\$1,214	\$1,234	\$1,178	\$0
AFUDC		\$39	\$38	\$37	\$38	\$36	\$0
Project Total Cost\$/kWac		\$1,323	\$1,260	\$1,251	\$1,272	\$1,214	\$0
Cost by Allocation							
Solar Assets		\$308,174,108	\$150,183,206	\$443,775,247	\$296,297,948	\$550,571,064	\$0
Non-Solar Assets		52,825,000	21,485,000	68,310,999	50,571,000	106,900,000	-
Land		21,621,000	10,551,724	30,429,575	20,955,017	44,577,285	-
Total Installed Cost		382,620,108	182,219,930	542,515,821	367,823,965	702,048,349	-
AFUDC		11,728,931	5,589,536	16,659,648	11,270,454	21,326,058	-
Total Project Costs		394,349,039	187,809,465	559,175,468	379,094,419	723,374,407	-
Billing System		4,470,833	894,167	100,000		200,000	
Grand Total		\$398,819,872	\$188,703,632	\$559,275,468	\$379,094,419	\$723,574,407	\$0
Note: One 74.5 MW site in Project 1 should have been included in Project 2. This change will be made at a later date.							
Land Purchased x Months prior to COD	13	11/30/2021	2/28/2022	2/28/2023	12/31/2022	2/29/2024	12/1/2021
Degradation		0.30%	0.30%	0.30%	0.30%	0.30%	0.30%
NCF:							
Net Capacity Factor Year 1		27.27%	25.87%	26.73%	27.51%	25.36%	26.42%
Net Capacity Factor Year 2		27.34%	25.94%	26.80%	27.58%	25.43%	26.49%
Equivalent Operating Hours		2,388.4	2,266.2	2,341.3	2,409.7	2,221.4	-
Yr 1 Estimated Annual Output (MWh)		711,747	337,666	1,046,541	718,078	1,323,970	-
Yr 2 Estimated Annual Output (MWh) (Excl Degradation)		713,735	338,633	1,049,487	720,083	1,327,789	-

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Florida Power & Light Company
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PROJECT DETAIL															
Year															
		2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032		
		1.07	1.00	0.93	0.87	0.81	0.75	0.70	0.65	0.61	0.57	0.53	0.49		
Capacity and Generation															
Project	Partial Year Factor		Years												
			12/31/2022	35	35	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%
1	Project 1		12/31/2022	35	35	0%	0%	100% <td>100%<td>100%<td>100%<td>100%<td>100%<td>100%<td>100%</td></td></td></td></td></td></td>	100% <td>100%<td>100%<td>100%<td>100%<td>100%<td>100%</td></td></td></td></td></td>	100% <td>100%<td>100%<td>100%<td>100%<td>100%</td></td></td></td></td>	100% <td>100%<td>100%<td>100%<td>100%</td></td></td></td>	100% <td>100%<td>100%<td>100%</td></td></td>	100% <td>100%<td>100%</td></td>	100% <td>100%</td>	100%
2	Project 2		3/31/2023	35	35	0%	0%	75% <td>100%<td>100%<td>100%<td>100%<td>100%<td>100%<td>100%</td></td></td></td></td></td></td>	100% <td>100%<td>100%<td>100%<td>100%<td>100%<td>100%</td></td></td></td></td></td>	100% <td>100%<td>100%<td>100%<td>100%<td>100%</td></td></td></td></td>	100% <td>100%<td>100%<td>100%<td>100%</td></td></td></td>	100% <td>100%<td>100%<td>100%</td></td></td>	100% <td>100%<td>100%</td></td>	100% <td>100%</td>	100%
3	Project 3		3/31/2024	35	35	0%	0%	0%	75% <td>100%<td>100%<td>100%<td>100%<td>100%<td>100%</td></td></td></td></td></td>	100% <td>100%<td>100%<td>100%<td>100%<td>100%</td></td></td></td></td>	100% <td>100%<td>100%<td>100%<td>100%</td></td></td></td>	100% <td>100%<td>100%<td>100%</td></td></td>	100% <td>100%<td>100%</td></td>	100% <td>100%</td>	100%
4	Project 4		1/1/2024	35	35	0%	0%	0%	50% <td>100%<td>100%<td>100%<td>100%<td>100%<td>100%</td></td></td></td></td></td>	100% <td>100%<td>100%<td>100%<td>100%<td>100%</td></td></td></td></td>	100% <td>100%<td>100%<td>100%<td>100%</td></td></td></td>	100% <td>100%<td>100%<td>100%</td></td></td>	100% <td>100%<td>100%</td></td>	100% <td>100%</td>	100%
5	Project 5		3/31/2025	35	35	0%	0%	0%	0%	75% <td>100%<td>100%<td>100%<td>100%<td>100%</td></td></td></td></td>	100% <td>100%<td>100%<td>100%<td>100%</td></td></td></td>	100% <td>100%<td>100%<td>100%</td></td></td>	100% <td>100%<td>100%</td></td>	100% <td>100%</td>	100%
6	Project 6		1/1/2023	35	35	0%	0%	100% <td>100%<td>100%<td>100%<td>100%<td>100%<td>100%<td>100%</td></td></td></td></td></td></td>	100% <td>100%<td>100%<td>100%<td>100%<td>100%<td>100%</td></td></td></td></td></td>	100% <td>100%<td>100%<td>100%<td>100%<td>100%</td></td></td></td></td>	100% <td>100%<td>100%<td>100%<td>100%</td></td></td></td>	100% <td>100%<td>100%<td>100%</td></td></td>	100% <td>100%<td>100%</td></td>	100% <td>100%</td>	100%
Partial Year Factor						0%	0%	100% <td>100%<td>100%<td>100%<td>100%<td>100%<td>100%<td>100%</td></td></td></td></td></td></td>	100% <td>100%<td>100%<td>100%<td>100%<td>100%<td>100%</td></td></td></td></td></td>	100% <td>100%<td>100%<td>100%<td>100%<td>100%</td></td></td></td></td>	100% <td>100%<td>100%<td>100%<td>100%</td></td></td></td>	100% <td>100%<td>100%<td>100%</td></td></td>	100% <td>100%<td>100%</td></td>	100% <td>100%</td>	100%
Capacity (MW)															
1	Project 1		298.0			-	-	298.0	298.0	298.0	298.0	298.0	298.0	298.0	298.0
2	Project 2		149.0			-	-	149.0	149.0	149.0	149.0	149.0	149.0	149.0	149.0
3	Project 3		447.0			-	-	447.0	447.0	447.0	447.0	447.0	447.0	447.0	447.0
4	Project 4		298.0			-	-	298.0	298.0	298.0	298.0	298.0	298.0	298.0	298.0
5	Project 5		596.0			-	-	596.0	596.0	596.0	596.0	596.0	596.0	596.0	596.0
6	Project 6					-	-	-	-	-	-	-	-	-	-
Total Capacity			1,788.0			-	-	447.0	1,192.0	1,788.0	1,788.0	1,788.0	1,788.0	1,788.0	1,788.0
Hours per Year															
			8,760	8,760	8,760	8,760	8,760	8,760	8,760	8,760	8,760	8,760	8,760	8,784	8,784
NCF:															
Capacity Factor, Excl Degradation		Year 1	Year 2+												
1	Project 1		27.27%	27.34%			27.27%	27.27%	27.34%	27.34%	27.34%	27.34%	27.34%	27.34%	27.34%
2	Project 2		25.87%	25.94%			0.00%	25.87%	25.93%	25.94%	25.94%	25.94%	25.94%	25.94%	25.94%
3	Project 3		26.73%	26.80%			0.00%	0.00%	26.73%	26.78%	26.80%	26.80%	26.80%	26.80%	26.80%
4	Project 4		27.51%	27.58%			0.00%	0.00%	27.51%	27.58%	27.58%	27.58%	27.58%	27.58%	27.58%
5	Project 5		25.36%	25.43%			0.00%	0.00%	25.36%	25.41%	25.43%	25.43%	25.43%	25.43%	25.43%
6	Project 6		26.42%	26.49%			0.00%	26.42%	26.49%	26.49%	26.49%	26.49%	26.49%	26.49%	26.49%
Generation (MWh)															
1	Project 1		0.30%	Degrad.	0.30%	8,630,801	23,762,489	-	-	711,747	713,543	709,459	707,330	705,208	705,019
2	Project 2		0.30%		0.30%	4,024,804	11,273,968	-	-	253,249	338,555	336,857	335,447	334,439	332,833
3	Project 3		0.30%		0.30%	11,618,431	34,093,539	-	-	787,057	1,046,390	1,043,984	1,040,852	1,037,416	1,034,028
4	Project 4		0.30%		0.30%	8,065,238	23,973,586	-	-	660,041	717,036	715,948	713,800	713,608	709,524
5	Project 5		0.30%		0.30%	13,692,377	44,262,860	-	-	-	962,078	1,323,848	1,320,826	1,320,471	1,312,913
6	Project 6		0.30%		0.30%	-	-	-	-	-	-	-	-	-	-
Total Generation						46,032,650	138,152,423	-	-	964,997	2,469,195	3,803,619	4,126,556	4,115,525	4,114,420
NCF, Including Degradation						-	-	-	-	23.67%	23.67%	24.28%	26.35%	26.28%	26.20%
Capital Costs															
Solar Asset Spend %															
1	Project 1		100%			1.6%	98.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
2	Project 2		100%			0.0%	80.0%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
3	Project 3		100%			0.0%	80.0%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
4	Project 4		100%			0.0%	1.3%	84.9%	3.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
5	Project 5		100%			0.0%	0.0%	0.0%	80.0%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%
6	Project 6		100%			0.0%	0.0%	0.0%	80.0%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Solar Assets															
1	Project 1		308,174			4,904	303,270	-	-	-	-	-	-	-	-
2	Project 2		150,183			-	120,163	-	-	-	-	-	-	-	-
3	Project 3		443,775			-	-	355,069	88,706	-	-	-	-	-	-
4	Project 4		296,298			-	3,797	281,052	11,449	-	-	-	-	-	-
5	Project 5		590,571			-	-	-	-	440,518	110,053	-	-	-	-
6	Project 6		-			-	-	-	-	-	-	-	-	-	-
Solar Assets			1,749,002			1,749,002	4,904	427,229	666,141	540,673	110,053	-	-	-	-
Non-Solar Asset Spend %															
1	Project 1		100%			0.4%	99.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
2	Project 2		100%			0.0%	77.3%	22.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
3	Project 3		100%			0.0%	0.0%	77.3%	22.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
4	Project 4		100%			0.0%	0.0%	0.0%	52.9%	7.1%	0.0%	0.0%	0.0%	0.0%	0.0%
5	Project 5		100%			0.0%	0.0%	0.0%	0.0%	77.3%	22.7%	0.0%	0.0%	0.0%	0.0%
6	Project 6		100%			0.0%	0.0%	0.0%	0.0%	77.3%	22.7%	0.0%	0.0%	0.0%	0.0%
Non-Solar Assets															
1	Project 1		52,826			212	52,613	-	-	-	-	-	-	-	-
2	Project 2		21,485			-	16,615	4,870	-	-	-	-	-	-	-
3	Project 3		68,311			-	-	52,826	15,485	-	-	-	-	-	-
4	Project 4		50,571			-	-	46,977	3,594	-	-	-	-	-	-
5	Project 5		106,900			-	-	-	-	82,667	24,233	-	-	-	-
6	Project 6		-			-	-	-	-	-	-	-	-	-	-
Non-Solar Assets			300,092			300,092	212	69,228	104,673	101,747	24,233	-	-	-	-
Land Spend %															
1	Project 1		100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
2	Project 2		0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
3	Project 3		0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
4	Project 4		0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
5	Project 5		0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
6	Project 6		100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Land															
1	Project 1		21,621			21,621	21,621	-	-	-	-	-	-	-	-
2	Project 2		10,562			-	10,562	-	-	-	-	-	-	-	-
3	Project 3		30,430			-	-	30,430	-	-	-	-	-	-	-
4	Project 4		20,955			-	20,955	-	-	-	-	-	-	-	-
5	Project 5		44,577			-	-	-	44,577	-	-	-	-	-	-
6	Project 6		-			-	-	-	-	-	-	-	-	-	-
Land			128,135			128,135	21,621	31,507	30,430	44,577	-	-	-	-	-
Total Capital															
1	Project 1		362,620			362,620	26,737	355,863	-	-	-	-	-	-	-
2	Project 2		182,220			-	147,330	34,890	-	-	-	-	-	-	-
3	Project 3		542,516			-	-	438,325	104,191	-	-	-	-	-	-
4	Project 4		367,824			-	24,752	328,029	15,044	-	-	-	-	-	-
5	Project 5		702,048			-	-	-	-	567,762	134,286	-	-	-	-
6	Project 6		-			-	-	-	-	-	-	-	-	-	-
Total Capital			2,177,228			2,177,228	26,737	527,964	801,244	686,997	134,286	-	-	-	-
Operations and Maintenance															
1	Project 1		12/31/2022			-	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
2	Project 2		3/31/2023			(1.0)	-	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
3	Project 3		3/31/2024			(2.0)	(1.0)	-	1.0	2.0	3.0	4.0	5.0	6.0	7.0
4	Project 4		1/1/2024			(2.0)	(1.0)	-	1.0	2.0	3.0	4.0	5.0	6.0	7.0
5	Project 5		3/31/2025			(3.0)	(2.0)	(1.0)	-	1.0	2.0	3.0	4.0	5.0	6.0
6	Project 6		1/1/2023			(1.0)	-	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
Operations and Maintenance by Project															
1	Project 1					47,517	-	1,133	1,117	1,233	1,232	1,244	1,430	1,401	1,518
2	Project 2					23,377	-	424	859	601	615	619	688	691	712
3	Project 3					70,901	-	1,274	1,660	1,805	1,847	1,800	2,071	2,107	2,225
4	Project 4					47,520	-	1,039	1,118	1,223	1,232	1,243	1,414	1,404	1,508
5	Project 5					53,122	-	1,098	2,337	2,403	2,466	2,477	2,747	2,747	2,908
6	Project 6					-	-	-	-	-	-	-	-	-	-
Total Operations and Maintenance by Project						262,436	-	1,567	3,569	6,329	7,112	7,345	7,619	8,061	8,511
System Impacts															
System Impacts Included? (Y/N/A, Y=Yes, N=No, A=Assess)															
Phase 1 Extension		CPVSR	Sum												
Non-Solar Generation Capital		Base	(530,265)	(1,412,020)	-	-	-	-	-	(48,571)	(65,668)	(51,714)	(201,233)	16,658	16,539
Non-Solar Fixed O&M		Base	(133,801)	(606,146)	-	-	-	-	-	(2,699)	(5,583)	(6,013)	(12,874)	(9,654)	(11,170)
Transmission Interconnection		Base	(3,440)	809	-	-	-	-	-	(2,240)	(2,180)	221	(5,240)	468	489
Incremental Gas Transport		Clause	(287,308)	(1,102,751)	-	-	-	-	-	-	-	-	(8,577)	(34,700)	(35,510)
Non-Solar Generation Costs		Base	(944,814)	(3,120,714)	-	-	-	-	-	(54,510)	(73,451)	(57,506)	(227,429)	(22,728)	(29,853)
System Net Fuel		Clause	(1,310,339)	(5,000,000)	-	(173)	(20,181)	(48,748)	(79,365)	(81,666)	(80,423)	(66,665)	(43,663)	(103,370)	(107,644)
Capital Replacement + NOM		Clause	(100,218)	(500,934)	-	250	(3,12)	(7,231)	(1,741)	(7,231)	(4,440)	(4,440)	(19,812)	(12,178)	(10,167)

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Florida Power & Light Company
Docket No. 20210015-EI
Staff's Eighth Data Request
Request No. 6
Attachment 1 of 1
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INPUTS (Extension) (425,030)																					
Period		Year		Data Entry:																	

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20210015.EI Staff Hearing Exhibits 01230

Florida Power & Light Company
Docket No. 20210015-EI
Staff's Eighth Data Request
Request No. 6
Attachment 1 of 1
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Generation and System Costs Avoided

	Solar Revenue Requirements		Non-Solar Generation Costs						System Costs			Total CPVRR (Millions)
	Generation Capital (Millions)	Fixed O&M (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)	Emission (Millions)	
Thru 2050	\$0	\$0	(\$523)	(\$143)	(\$3)	\$0	(\$287)	\$0	(\$1,384)	(\$114)	(\$520)	(\$2,974)

* Negative () Indicates Savings to FPL Customers

Mid Fuel & Mid CO2

	Year	Solar Revenue Requirements		Non-Solar Generation Costs						System Costs			Total RevReq (Millions)
		Generation Capital (Millions)	Fixed O&M (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)	Emission (Millions)	
1.00	2022			\$0	\$0	\$0	\$0	\$0	\$0	(\$0)	\$0	\$0	\$0.1
0.93	2023			\$0	\$0	\$0	\$0	\$0	\$0	(\$20)	(\$3)	(\$0)	(\$23.4)
0.87	2024			\$0	\$0	\$0	\$0	\$0	\$0	(\$49)	(\$7)	(\$0)	(\$56.0)
0.81	2025			\$0	\$0	\$0	\$0	\$0	\$0	(\$79)	(\$7)	(\$0)	(\$86.7)
0.75	2026			(\$50)	(\$3)	(\$2)	\$0	\$0	\$0	(\$82)	(\$8)	(\$2)	(\$145.9)
0.70	2027			(\$66)	(\$6)	(\$2)	\$0	\$0	\$0	(\$86)	(\$4)	(\$3)	(\$167.4)
0.65	2028			(\$52)	(\$6)	\$0	\$0	\$0	\$0	(\$87)	\$4	(\$5)	(\$145.0)
0.61	2029			(\$201)	(\$13)	(\$5)	\$0	(\$9)	\$0	(\$44)	\$18	(\$3)	(\$256.7)
0.57	2030			\$17	(\$5)	\$0	\$0	(\$35)	\$0	(\$98)	(\$11)	(\$9)	(\$140.2)
0.53	2031			\$17	(\$11)	\$0	\$0	(\$36)	\$0	(\$103)	(\$12)	(\$11)	(\$155.8)
0.49	2032			(\$48)	(\$9)	\$0	\$0	(\$36)	\$0	(\$108)	(\$10)	(\$12)	(\$222.1)
0.46	2033			(\$47)	(\$4)	\$0	\$0	(\$37)	\$0	(\$112)	(\$8)	(\$14)	(\$221.0)
0.43	2034			(\$46)	(\$16)	\$0	\$0	(\$37)	\$0	(\$118)	(\$8)	(\$17)	(\$241.8)
0.40	2035			(\$112)	(\$5)	\$0	\$0	(\$38)	\$0	(\$123)	(\$4)	(\$21)	(\$302.1)
0.37	2036			(\$109)	(\$18)	\$0	\$0	(\$39)	\$0	(\$124)	(\$4)	(\$27)	(\$319.7)
0.35	2037			(\$36)	(\$19)	\$0	\$0	(\$40)	\$0	(\$132)	(\$9)	(\$33)	(\$267.9)
0.32	2038			(\$34)	(\$10)	\$0	\$0	(\$40)	\$0	(\$133)	(\$10)	(\$40)	(\$266.9)
0.30	2039			(\$33)	(\$16)	\$0	\$0	(\$41)	\$0	(\$137)	(\$11)	(\$47)	(\$283.7)
0.28	2040			(\$31)	(\$39)	\$0	\$0	(\$42)	\$0	(\$139)	(\$8)	(\$55)	(\$313.6)
0.26	2041			(\$106)	\$17	\$0	\$0	(\$43)	\$0	(\$141)	(\$14)	(\$62)	(\$348.0)
0.24	2042			(\$26)	(\$30)	\$0	\$0	(\$43)	\$0	(\$144)	(\$15)	(\$71)	(\$328.1)
0.23	2043			(\$25)	(\$37)	\$0	\$0	(\$44)	\$0	(\$142)	(\$6)	(\$79)	(\$333.0)
0.21	2044			(\$104)	(\$10)	\$0	\$0	(\$45)	\$0	(\$152)	(\$13)	(\$91)	(\$413.7)
0.20	2045			(\$19)	(\$19)	\$0	\$0	(\$46)	\$0	(\$150)	(\$22)	(\$100)	(\$356.4)
0.18	2046			(\$18)	(\$61)	\$0	\$0	(\$47)	\$0	(\$151)	(\$11)	(\$114)	(\$402.3)
0.17	2047			(\$24)	(\$27)	\$0	\$0	(\$48)	\$0	(\$155)	(\$17)	(\$119)	(\$390.2)
0.16	2048			(\$41)	(\$14)	\$0	\$0	(\$49)	\$0	(\$165)	(\$19)	(\$126)	(\$413.8)
0.15	2049			(\$113)	(\$26)	\$0	\$0	(\$50)	\$0	(\$159)	(\$14)	(\$131)	(\$493.9)
0.14	2050			(\$5)	(\$24)	\$0	\$0	(\$51)	\$0	(\$160)	(\$19)	(\$140)	(\$397.9)
0.13	2051			(\$5)	(\$12)	\$0	\$0	(\$52)	\$0	(\$167)	(\$21)	(\$142)	(\$398.0)
0.12	2052			(\$5)	(\$49)	\$0	\$0	(\$53)	\$0	(\$172)	(\$22)	(\$147)	(\$447.8)
0.11	2053			(\$100)	\$1	\$0	\$0	(\$54)	\$0	(\$164)	(\$18)	(\$148)	(\$482.9)
0.10	2054			(\$0)	(\$18)	\$0	\$0	(\$48)	\$0	(\$171)	(\$25)	(\$150)	(\$411.7)
0.10	2055			\$0	(\$17)	\$0	\$0	\$0	\$0	(\$169)	(\$24)	(\$154)	(\$362.9)
0.09	2056			\$0	(\$10)	\$0	\$0	\$0	\$0	(\$175)	(\$27)	(\$158)	(\$369.9)
0.08	2057			\$1	(\$44)	\$0	\$0	\$0	\$0	(\$174)	(\$25)	(\$160)	(\$401.9)
0.08	2058			\$1	(\$20)	\$0	\$0	\$0	\$0	(\$170)	(\$32)	(\$165)	(\$385.7)
0.07	2059			\$2	\$3	\$0	\$0	\$0	\$0	(\$176)	(\$26)	(\$166)	(\$362.4)
0.07	2060			\$2	(\$31)	\$0	\$0	\$0	\$0	(\$181)	(\$26)	(\$169)	(\$404.1)
0.06	2061			\$3	(\$14)	\$0	\$0	\$0	\$0	(\$178)	(\$26)	(\$175)	(\$390.1)
0.06	2062			\$3	(\$44)	\$0	\$0	\$0	\$0	(\$185)	(\$36)	(\$177)	(\$439.7)
0.05	2063			\$3	(\$11)	\$0	\$0	\$0	\$0	(\$165)	(\$23)	(\$180)	(\$375.2)
0.05	2064			\$4	(\$50)	\$0	\$0	\$0	\$0	(\$184)	(\$31)	(\$186)	(\$446.4)
0.05	2065			\$4	(\$11)	\$0	\$0	\$0	\$0	(\$183)	(\$29)	(\$189)	(\$408.0)
0.04	2066			\$12	(\$2)	\$0	\$0	\$0	\$0	(\$205)	(\$44)	(\$192)	(\$430.5)
0.04	2067			\$17	(\$9)	\$0	\$0	\$0	\$0	(\$185)	(\$32)	(\$198)	(\$407.2)
0.04	2068			(\$113)	(\$37)	\$0	\$0	\$0	\$0	(\$205)	(\$50)	(\$198)	(\$603.8)
0.04	2069			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.0
	CPVRR	\$0	\$0	(\$522.52)	(\$143)	(\$3)	\$0	(\$287)	\$0	(\$1,384)	(\$114)	(\$520)	(\$2,974)

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[illegible]

20210015.EI Staff Hearing Exhibits 01232

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GENERAL ASSUMPTIONS

PROJECT TITLE:	FPL SolarTogether - Phase 1
	\$ thousands
CPVRR:	\$ (223,302) unfavorable / (favorable)

DATES	
Model Start Year	2018
Discount Date	1/31/2020
Inflation Base Year	2018

I) TAX RATES	
State Income Tax Rate	5.50%
Federal Income Tax Rate	21.00%
Blended Income Tax Rate	25.345%

II) COST OF CAPITAL

SOURCE	WEIGHT	ASSETS COST	WTD COST RATE	UNWTD AFTER TAX RATE	WTD AFTER TAX RATE	WTD PRE TAX RATE
DEBT	40.40%	4.79%	1.94%	3.58%	1.44%	1.94%
COMMON	59.60%	10.55%	6.29%	10.55%	6.29%	8.42%
TOTAL	100.00%				7.73%	10.36%

DISCOUNT RATE ("WACC"):	7.73%
-------------------------	-------

III) PROPERTY TAXES	1.72%
PROPERTY INSURANCE	0.053%

III) AFUDC

	2018	2019	2020	2021	2022	2023	Allocation	Monthly	Annual
Debt	1.40%	1.40%	1.40%	1.40%	1.40%	1.40%	22.528%	0.116%	1.401%
Equity	4.82%	4.82%	4.82%	4.82%	4.82%	4.82%	77.472%	0.393%	4.819%
Total	6.22%	6.22%	6.22%	6.22%	6.22%	6.22%	100.000%	0.509%	6.220%

IV) FEDERAL TAX INCENTIVES

	2018	2019	2020	2021	2022	2023	2024
ITC	30%	30%	30%	30%	26%	22%	10%
Bonus	0%	0%	0%	0%	0%	0%	0%

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PROJECT ASSUMPTIONS

Project	FPL SolarTogether Project						
	1	2	3	4	5	Totals	
Solar Sites	3	3	6	4	4	20	
MWac Size	223.5	223.5	447.0	298.0	298.0	1,490.0	
Commercial Operations Date (COD)	1/31/2020	1/31/2020	12/31/2020	3/31/2021	3/31/2021		
Capital Cost	Cost Alloc.						
Modules	Solar Assets	\$94,215,680	\$103,847,040	\$186,141,081	\$136,989,955	\$132,402,056	\$653,595,812
BOS	Solar Assets	111,051,770	124,352,823	229,142,670	153,082,799	153,679,430	771,309,492
Gen-tie & Switchyard	Non-Solar Assets	16,526,523	17,141,400	37,626,770	24,412,683	24,384,565	120,091,941
Contingency	Solar Assets	3,829,921	4,091,344	10,964,680	7,499,770	7,738,974	34,124,689
E&C Total		\$225,623,894	\$249,432,607	\$463,875,201	\$321,985,207	\$318,205,025	\$1,579,121,935
\$/kWac		1,010	1,116	1,038	1,080	1,068	1,060
Power Delivery Total (calculated)	Non-Solar Assets	3,105,000	3,105,000	8,210,000	5,640,000	5,140,000	25,200,000
Development (Permitting)	Solar Assets	4,490,000	3,817,650	8,737,000	5,171,000	5,175,000	27,390,650
Builders Risk	Solar Assets	179,218	196,691	385,237	258,637	256,324	1,276,107
Sales Tax	Solar Assets	706,855	929,005	1,892,596	1,364,824	1,331,061	6,224,341
Capital Distribution	Solar Assets	221,559	243,161	476,254	319,743	316,884	1,577,601
Land	Land	10,347,080	11,051,400	22,871,808	25,435,765	24,206,000	93,912,053
Easements	Solar Assets	190,000	285,000	65,000	150,000	250,000	940,000
Total Installed Cost		\$244,863,606	\$269,060,514	\$506,513,096	\$360,325,176	\$354,880,294	\$1,735,642,687
AFUDC		7,667,975	8,440,574	-	-	-	16,108,549
Project Total Cost		\$252,531,581	\$277,501,088	\$506,513,096	\$360,325,176	\$354,880,294	\$1,751,751,236
Total Installed Cost \$/kWac		\$1,096	\$1,204	\$1,133	\$1,209	\$1,191	\$1,165
AFUDC		\$34	\$38	\$0	\$0	\$0	\$11
Project Total Cost\$/kWac		\$1,130	\$1,242	\$1,133	\$1,209	\$1,191	\$1,176
Cost by Allocation							
Solar Assets		\$214,885,003	\$237,762,714	\$437,804,518	\$304,836,728	\$301,149,729	\$1,496,438,693
Non-Solar Assets		19,631,523	20,246,400	45,836,770	30,052,683	29,524,565	145,291,941
Land		10,347,080	11,051,400	22,871,808	25,435,765	24,206,000	93,912,053
Total Installed Cost		244,863,606	269,060,514	506,513,096	360,325,176	354,880,294	1,735,642,687
AFUDC		7,667,975	8,440,574	-	-	-	16,108,549
Total Project Costs		252,531,581	277,501,088	506,513,096	360,325,176	354,880,294	1,751,751,236
Billing System		1,350,000	1,350,000	450,000	225,000	225,000	3,600,000
Grand Total		\$253,881,581	\$278,851,088	\$506,963,096	\$360,550,176	\$355,105,294	\$1,755,351,236
Land Purchase Date	1/1/2019	1/1/2019	11/30/2019	2/29/2020	2/29/2020		
Degradation	0.30%	0.30%	0.30%	0.30%	0.30%		
Year 1 Capacity Factor							
Adjusted Capacity Factor	22.93%	25.57%	24.14%	24.44%	24.31%		24.27%
Estimated Annual Output (MWh)	449,019	500,647	945,358	637,995	634,690		3,167,709
Year 2+ Capacity Factor							
Adjusted Capacity Factor	22.94%	25.57%	24.14%	24.44%	24.31%		24.27%
Estimated Annual Output (MWh)	449,036	500,666	945,396	638,014	634,715		3,167,828

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PROJECT DETAIL															
Year				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity and Generation															
Project	Partial Year Factor	Years													
1	Project 1	1/31/2020	35	35	0%	0%	92%	100%	100%	100%	100%	100%	100%	100%	100%
2	Project 2	1/31/2020	35	35	0%	0%	92%	100%	100%	100%	100%	100%	100%	100%	100%
3	Project 3	12/31/2020	35	35	0%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%
4	Project 4	3/31/2021	35	35	0%	0%	0%	75%	100%	100%	100%	100%	100%	100%	100%
5	Project 5	3/31/2021	35	35	0%	0%	0%	75%	100%	100%	100%	100%	100%	100%	100%
	Partial Year Factor				0%	0%	92%	100%	100%	100%	100%	100%	100%	100%	100%
Capacity (MW)															
1	Project 1		223.5	-	-	223.5	223.5	223.5	223.5	223.5	223.5	223.5	223.5	223.5	223.5
2	Project 2		223.5	-	-	223.5	223.5	223.5	223.5	223.5	223.5	223.5	223.5	223.5	223.5
3	Project 3		447.0	-	-	-	447.0	447.0	447.0	447.0	447.0	447.0	447.0	447.0	447.0
4	Project 4		298.0	-	-	-	298.0	298.0	298.0	298.0	298.0	298.0	298.0	298.0	298.0
5	Project 5		298.0	-	-	-	298.0	298.0	298.0	298.0	298.0	298.0	298.0	298.0	298.0
	Total Capacity		1,490.0	-	-	447.0	1,490.0	1,490.0	1,490.0	1,490.0	1,490.0	1,490.0	1,490.0	1,490.0	1,490.0
Hours per Year															
				8,760	8,760	8,784	8,760	8,760	8,760	8,784	8,760	8,760	8,760	8,784	8,760
Capacity Factor, Excl Degradation															
		Year 1	Year 2+												
1	Project 1	22.93%	22.94%		0.00%	22.93%	22.93%	22.94%	22.94%	22.94%	22.94%	22.94%	22.94%	22.94%	22.94%
2	Project 2	25.57%	25.57%		0.00%	25.57%	25.57%	25.57%	25.57%	25.57%	25.57%	25.57%	25.57%	25.57%	25.57%
3	Project 3	24.14%	24.14%		0.00%	24.14%	24.14%	24.14%	24.14%	24.14%	24.14%	24.14%	24.14%	24.14%	24.14%
4	Project 4	24.44%	24.44%		0.00%	24.44%	24.44%	24.44%	24.44%	24.44%	24.44%	24.44%	24.44%	24.44%	24.44%
5	Project 5	24.31%	24.31%		0.00%	24.31%	24.31%	24.31%	24.31%	24.31%	24.31%	24.31%	24.31%	24.31%	24.31%
Generation (MWh)															
		Degrad.													
1	Project 1	0.30%		14,950,915	-	-	412,728	447,800	446,458	445,119	444,999	442,452	441,125	439,801	439,683
2	Project 2	0.30%		16,669,963	-	-	460,183	497,288	496,298	496,165	493,325	491,845	490,369	490,238	487,432
3	Project 3	0.30%		31,475,360	-	-	945,358	942,560	939,732	939,480	934,102	931,300	928,506	928,257	922,943
4	Project 4	0.30%		21,241,673	-	-	478,497	636,573	634,668	634,498	630,866	628,973	627,087	626,918	623,330
5	Project 5	0.30%		21,131,836	-	-	476,018	633,280	631,387	631,217	627,604	625,721	623,844	623,677	620,107
	Total Generation			105,469,748	-	-	872,911	2,846,960	3,156,863	3,147,204	3,146,359	3,126,549	3,118,964	3,109,607	3,090,978
	NCF, including Degradation				0.00%	0.00%	22.23%	21.81%	24.18%	24.11%	24.04%	23.97%	23.90%	23.82%	23.75%
Capital Costs															
Solar Asset Spend %															
				100%	1.3%	94.9%	3.9%	0.0%	0.0%	0.0%					
1	Project 1			100%	1.3%	94.9%	3.9%	0.0%	0.0%	0.0%					
2	Project 2			100%	0.0%	1.6%	98.4%	0.0%	0.0%	0.0%					
3	Project 3			100%	0.0%	5.4%	75.7%	18.9%	0.0%	0.0%					
4	Project 4			100%	0.0%	5.4%	75.7%	18.9%	0.0%	0.0%					
5	Project 5			100%	0.0%	5.4%	75.7%	18.9%	0.0%	0.0%					
Expenditures															
1	Solar Assets		214,885	2,753	203,828	8,303	-	-	-	-	-	-	-	-	-
2	Project 2		237,763	3,047	225,529	9,188	-	-	-	-	-	-	-	-	-
3	Project 3		437,805	-	6,967	430,837	-	-	-	-	-	-	-	-	-
4	Project 4		304,837	-	16,480	230,700	57,657	-	-	-	-	-	-	-	-
5	Project 5		301,150	-	16,280	227,909	56,960	-	-	-	-	-	-	-	-
	Solar Assets		1,496,439	1,496,439	5,800	469,084	906,937	114,618	-	-	-	-	-	-	-
Non-Solar Asset Spend %															
				0.0%	92.9%	7.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1	Project 1			0.0%	92.9%	7.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
2	Project 2			0.0%	94.9%	5.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
3	Project 3			0.0%	0.4%	99.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
4	Project 4			0.0%	0.0%	77.3%	22.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
5	Project 5			0.0%	0.0%	77.3%	22.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Expenditures															
1	Non-Solar Assets		19,632	-	18,236	1,395	-	-	-	-	-	-	-	-	-
2	Project 2		20,246	-	18,807	1,439	-	-	-	-	-	-	-	-	-
3	Project 3		45,837	-	184	45,653	-	-	-	-	-	-	-	-	-
4	Project 4		30,053	-	-	23,240	6,813	-	-	-	-	-	-	-	-
5	Project 5		29,525	-	-	22,832	6,693	-	-	-	-	-	-	-	-
	Non-Solar Assets		145,292	145,292	-	37,227	94,559	13,505	-	-	-	-	-	-	-
Land Spend %															
				0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1	Project 1			0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
2	Project 2			0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
3	Project 3			0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
4	Project 4			0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
5	Project 5			0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Expenditures															
1	Land		10,347	1/1/2019	10,347	-	10,347	-	-	-	-	-	-	-	-
2	Project 1		11,051	1/1/2019	11,051	-	11,051	-	-	-	-	-	-	-	-
3	Project 3		22,872	11/30/2019	22,872	-	22,872	-	-	-	-	-	-	-	-
4	Project 4		25,436	2/29/2020	25,436	-	-	25,436	-	-	-	-	-	-	-
5	Project 5		24,206	2/29/2020	24,206	-	-	24,206	-	-	-	-	-	-	-
	Land		93,912		93,912	-	44,270	49,642	-	-	-	-	-	-	-
Total Capital															
			244,864		2,753	232,411	9,699	-	-	-	-	-	-	-	-
1	Project 1		269,061		3,047	255,387	10,626	-	-	-	-	-	-	-	-
2	Project 2		506,513		-	30,023	476,490	-	-	-	-	-	-	-	-
3	Project 3		360,325		-	16,480	279,375	64,470	-	-	-	-	-	-	-
4	Project 4		354,880		-	16,280	274,947	63,653	-	-	-	-	-	-	-
5	Project 5		354,880		-	16,280	274,947	63,653	-	-	-	-	-	-	-
	Total Capital		1,735,643		5,800	550,582	1,051,138	128,123	-	-	-	-	-	-	-
Operations and Maintenance															
Operations and Maintenance															
1	Project 1		34,748			725	852	865	964	974	1,081	1,068	1,133	1,070	1,055
2	Project 2		34,748			725	852	865	964	974	1,081	1,068	1,133	1,070	1,055
3	Project 3		70,465			-	1,591	1,724	1,745	1,960	1,965	2,208	2,159	2,308	2,159
4	Project 4		46,787			-	796	1,127	1,160	1,271	1,309	1,431	1,448	1,514	1,464
5	Project 5		46,787			-	796	1,127	1,160	1,271	1,309	1,431	1,448	1,514	1,464
	Total Operations and Maintenance		233,535		-	-	1,450	4,886	5,709	5,993	6,449	6,744	7,205	7,320	7,198
System Impacts															
Phase 1				CPVRR	Sum	1.08	1.01	0.93	0.87	0.80	0.75	0.69	0.64	0.60	0.55
						1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	Non-Solar Generation Capital	Base	(424,595)	(1,137,504)	-	-	-	(632)	(11,233)	(33,717)	(55,047)	(42,102)	(39,737)	(37,539)	(35,543)
	Non-Solar Fixed O&M	Base	(61,555)	(229,545)	-	-	-	(1,269)	(3,366)	(2,468)	(1,440)	(3,797)	(5,348)	(4,213)	(4,359)
	Transmission Interconnection	Base	(19,753)	(56,066)	-	-	-	-	(487)	(2,313)	(1,712)	(1,658)	(1,560)	(1,410)	(1,476)
	Capital Replacement	Base	(29,236)	(152,690)	-	-	-	-	-	-	-	-	-	-	-
	Incremental Gas Transport	Base	(389,550)	(1,622,130)	-	-	-	-	-	-	-	-	-	-	-
	Non-Solar Generation Costs	Clause	(824,695)	(3,196,935)	-	-	-	(1,902)	(14,599)	(36,673)	(58,800)	(47,611)	(45,343)	(43,359)	(41,046)
	System Net Fuel	Clause	(1,029,158)	(3,732,761)	-	-	-	(19,560)	(55,431)	(60,363)	(64,529)	(73,554)	(82,728)	(90,515)	(91,449)
	Startup + VOM	Base	(26,221)	(103,370)	-	-	-	(140)	(1,710)	(1,510)	(1,620)	(860)	(1,640)	(1,190)	(4,020)
	Emission	Clause	(94,381)	(648,808)	-	-	-	(15)	(30)	(31)	(38)	(34)	(23)	(591)	(1,098)
	System Costs		(1,149,760)	(4,484,939)	-	-	-	(19,715)	(55,631)	(61,904)	(68,187)	(74,278)	(80,107)	(84,500)	(87,503)
	Total System Impacts		(2,074,449)	(7,681,874)	-	-	-	(21,617)	(70,230)	(98,577)	(124,987)	(121,889)	(125,450)	(127,868)	(132,145)
	Base System Impacts		(661,360)	(1,678,175)	-	-	-	(2,042)	(14,769)	(38,163)	(60,420)	(48,301)	(46,383)	(44,549)	(37,441)
	Clause System Impacts		(1,513,089)	(6,003,699)	-	-	-	(19,575)	(55,461)	(60,394)	(64,567)	(73,588)	(78,467)	(83,319)	(85,104)
	Total System Impacts		(2,074,449)	(7,681,874)	-	-	-	(21,617)	(70,230)	(98,577)	(124,987)	(121,889)	(125,450)	(127,868)	(132,145)
Program Costs															
			Total												
	Billing System (CapEx)		2,700	1,800	900										
	Projects 1 & 2		450		450										
	Projects 4 & 5		450		450										
	Total Billing System (CapEx)		3,600	1,800	1,800										
	Total Marketing and G&A Costs														

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Florida Power & Light Company
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Staff's Eighth Data Request
Request No. 6
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INPUTS													Period									
Year													Data Entry: <div>\$ thousands</div>									
													0	1	2	3	4	5	6	7	8	
													2018	2019	2020	2021	2022	2023	2024	2025	2026	
Proj.	Item Title	Cash Flow Type	Construction Start Date	Commercial Operations Date (COO)	Asset Type	Base/ Clause	Book Life	Tax Life	Inflation	Bonus Depreciation	Investment Tax Credit (Solar)	Percent Subject to Property Tax	Sum	Cash Flows								
1	Solar Assets Project 1	AFUDC Capital	1/1/2019	1/31/2020	Solar	Base	35	5		FALSE	TRUE	20%	214,885	2,753	203,828	8,303	-	-	-	-	-	
1	Non-Solar Assets Project 1	AFUDC Capital	1/1/2019	1/31/2020	Solar	Base	35	15		FALSE	FALSE	100%	19,632	-	18,236	1,395	-	-	-	-	-	
1	Land Project 1	Land	1/1/2019	1/1/2019	Solar	Base	35	5		FALSE	FALSE	100%	10,347	-	10,347	-	-	-	-	-	-	
4	O&M Project 1	Operating Expense	1/1/2019	1/31/2020	Solar	Base	35	5	2.50%	FALSE	FALSE	100%	34,748	-	725	852	865	964	974	1,081	1,068	
2	Solar Assets Project 2	AFUDC Capital	1/1/2019	1/31/2020	Solar	Base	35	5		FALSE	TRUE	20%	237,763	3,047	225,529	9,188	-	-	-	-	-	
2	Non-Solar Assets Project 2	AFUDC Capital	1/1/2019	1/31/2020	Solar	Base	35	15		FALSE	FALSE	100%	20,246	-	18,807	1,439	-	-	-	-	-	
2	Land Project 2	Land	1/1/2019	1/1/2019	Solar	Base	35	5		FALSE	FALSE	100%	11,051	-	11,051	-	-	-	-	-	-	
2	O&M Project 2	Operating Expense	1/1/2019	1/31/2020	Solar	Base	35	5	2.50%	FALSE	FALSE	100%	34,748	-	725	852	865	964	974	1,081	1,068	
9	Solar Assets Project 3	CWIP Capital	1/1/2019	12/31/2020	Solar	Base	35	5		FALSE	TRUE	20%	437,805	-	6,967	430,837	-	-	-	-	-	
10	Non-Solar Assets Project 3	CWIP Capital	1/1/2019	12/31/2020	Solar	Base	35	15		FALSE	FALSE	100%	45,837	-	184	45,653	-	-	-	-	-	
11	Land Project 3	Land	1/1/2019	1/1/2019	Solar	Base	35	5		FALSE	FALSE	100%	22,872	-	22,872	-	-	-	-	-	-	
12	O&M Project 3	Operating Expense	1/1/2019	12/31/2020	Solar	Base	35	5	2.50%	FALSE	FALSE	100%	70,465	-	314	482	1,591	1,724	1,745	1,960	1,965	
13	Land Lease	Operating Expense	1/1/2019	1/1/2020	Solar	Base	35	5		FALSE	FALSE	20%	35,357	-	725	766	781	796	811	732	722	
4	Solar Assets Project 4	CWIP Capital	1/1/2019	3/31/2021	Solar	Base	35	5		FALSE	TRUE	20%	304,837	-	16,480	230,700	57,657	-	-	-	-	
4	Non-Solar Assets Project 4	CWIP Capital	1/1/2019	3/31/2021	Solar	Base	35	15		FALSE	FALSE	100%	30,053	-	23,240	6,813	-	-	-	-	-	
16	Land Project 4	Land	1/1/2019	2/28/2020	Solar	Base	35	5		FALSE	FALSE	100%	25,436	-	25,436	-	-	-	-	-	-	
4	O&M Project 4	Operating Expense	1/1/2019	3/31/2021	Solar	Base	35	5	2.50%	FALSE	FALSE	100%	46,787	-	-	796	1,127	1,160	1,271	1,309	1,431	
18	Solar Assets Project 5	CWIP Capital	1/1/2019	3/31/2021	Solar	Base	35	5		FALSE	TRUE	20%	301,150	-	16,280	227,909	56,960	-	-	-	-	
19	Non-Solar Assets Project 5	CWIP Capital	1/1/2019	3/31/2021	Solar	Base	35	15		FALSE	FALSE	100%	29,525	-	22,832	6,693	-	-	-	-	-	
20	Land Project 5	Land	1/1/2019	2/28/2020	Solar	Base	35	5		FALSE	FALSE	100%	24,206	-	24,206	-	-	-	-	-	-	
21	O&M Project 5	Operating Expense	1/1/2019	3/31/2021	Solar	Base	35	5	2.50%	FALSE	FALSE	100%	46,787	-	-	796	1,127	1,160	1,271	1,309	1,431	
22	...	Operating Expense	1/1/2019	1/1/2020	Solar	Base	35	5		FALSE	FALSE	20%	-	-	-	-	-	-	-	-	-	
23	...	Operating Expense	1/1/2019	1/1/2020	Solar	Base	35	5		FALSE	FALSE	20%	-	-	-	-	-	-	-	-	-	
24	Billing System Projects 1 & 2	Capital	1/1/2019	1/31/2020	Information, Maint	Base	5	5		FALSE	FALSE	100%	2,700	-	1,800	900	-	-	-	-	-	
25	Billing System Projects 3	Capital	1/1/2019	12/31/2020	Information, Maint	Base	5	5		FALSE	FALSE	100%	450	-	450	-	-	-	-	-	-	
26	Billing System Projects 4 & 5	Capital	1/1/2019	3/31/2021	Information, Maint	Base	5	5		FALSE	FALSE	100%	450	-	450	-	-	-	-	-	-	
27	Marketing and G&A	Operating Expense	1/1/2019	1/31/2020	Solar	Base	35	5		FALSE	FALSE	20%	15,659	-	1,799	1,189	791	779	318	298	306	
28	...	Operating Expense	1/1/2019	1/1/2020	Solar	Base	35	5		FALSE	FALSE	20%	-	-	-	-	-	-	-	-	-	
29	System Benefits - Base	Operating Expense	1/1/2019	1/1/2020	Solar	Base	35	5		FALSE	FALSE	20%	(1,678,175)	-	-	(2,042)	(14,769)	(38,183)	(60,420)	(48,301)	(46,983)	
30	System Benefits - Clause	Operating Expense	1/1/2019	1/1/2020	Solar	Base	35	5		FALSE	FALSE	20%	(6,003,699)	-	-	(19,575)	(55,461)	(60,394)	(64,567)	(73,588)	(78,467)	
Total Item Title													(5,658,079)	5,800	554,495	1,034,442	64,322	(91,323)	(117,895)	(114,345)	(117,589)	(119,617)
														Exemption Exp. 2038								
														0 -< if CWIP, include pre-tax return in RevReq's (0=no, 1=yes)								
														35 Book Economic Life								
														Revenue Requirement								
1	Solar Assets Project 1	AFUDC Capital												-	-	25,116	25,632	23,829	22,529	21,418	20,449	
2	Non-Solar Assets Project 1	AFUDC Capital												-	-	2,782	2,918	2,816	2,717	2,624	2,534	
3	Land Project 1	Land												-	1,255	1,255	1,255	1,255	1,255	1,255	1,255	
4	O&M Project 1	Operating Expense												-	725	873	909	1,038	1,075	1,223	1,236	
5	Solar Assets Project 2	AFUDC Capital												-	27,790	28,361	26,366	24,928	23,699	22,626	21,867	
6	Non-Solar Assets Project 2	AFUDC Capital												-	2,869	3,010	2,904	2,803	2,706	2,613	2,523	
7	Land Project 2	Land												-	1,341	1,341	1,341	1,341	1,341	1,341	1,341	
8	O&M Project 2	Operating Expense												-	725	873	909	1,038	1,075	1,223	1,236	
9	Solar Assets Project 3	CWIP Capital												-	(745)	51,181	47,614	45,047	42,856	40,945	39,598	
10	Non-Solar Assets Project 3	CWIP Capital												-	(8)	6,703	6,470	6,248	6,035	5,832	5,634	
11	Land Project 3	Land												-	604	2,775	2,775	2,775	2,775	2,775	2,775	
12	O&M Project 3	Operating Expense												-	-	1,631	1,812	1,880	2,164	2,223	2,560	
13	Land Lease	Operating Expense												-	314	482	752	766	781	796	811	
14	Solar Assets Project 4	CWIP Capital												-	-	28,167	35,080	32,596	30,809	29,283	27,953	
15	Non-Solar Assets Project 4	CWIP Capital												-	-	3,468	4,334	4,181	4,035	3,896	3,762	
16	Land Project 4	Land												-	-	2,655	3,086	3,086	3,086	3,086	3,086	
17	O&M Project 4	Operating Expense												-	-	816	1,185	1,249	1,403	1,481	1,660	
18	Solar Assets Project 5	CWIP Capital												-	-	27,846	34,656	32,202	30,436	28,929	27,615	
19	Non-Solar Assets Project 5	CWIP Capital												-	-	3,407	4,255	4,108	3,964	3,827	3,696	
20	Land Project 5	Land												-	2,526	2,937	2,937	2,937	2,937	2,937	2,937	
21	O&M Project 5	Operating Expense												-	-	816	1,185	1,249	1,403	1,481	1,660	
22	...	Operating Expense												-	-	-	-	-	-	-	-	
23	...	Operating Expense												-	-	-	-	-	-	-	-	
24	Billing System Projects 1 & 2	Capital												-	484	774	728	663	603	233	19	
25	Billing System Projects 3	Capital												-	-	(1)	137	125	115	105	95	
26	Billing System Projects 4 & 5	Capital												-	99	130	119	108	99	25	(0)	
27	Marketing and G&A	Operating Expense												-	1,799	1,189	791	779	318	298	306	
28	...	Operating Expense												-	-	-	-	-	-	-	-	
29	System Benefits - Base	Operating Expense												-	-	(2,042)	(14,769)	(38,183)	(60,420)	(48,301)	(46,983)	
30	System Benefits - Clause	Operating Expense												-	-	(19,575)	(55,461)	(60,394)	(64,567)	(73,588)	(78,467)	
Total													(223,392)	-	5,798	50,734	129,424	109,594	72,146	66,738	55,767	47,776

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This figure displays a comprehensive genomic analysis across 22 chromosomes, organized into a circular layout. The top section features a heatmap of gene expression data, with a color scale ranging from 0 (blue) to 100 (red). Below this, the 22 chromosomes are arranged in a circular pattern, each accompanied by a corresponding gene expression heatmap. The bottom section provides a detailed view of the gene expression data for each chromosome, with a color scale from 0 to 100. The figure is titled "Gene Expression Data" and includes a legend for the color scale.

The figure is divided into several main sections:

- Top Section:** A heatmap of gene expression data across all 22 chromosomes. The color scale ranges from 0 (blue) to 100 (red).
- Chromosomes:** The 22 chromosomes are arranged in a circular layout, each with a corresponding gene expression heatmap. The chromosomes are labeled with their respective numbers (1-22) and the X and Y chromosomes.
- Bottom Section:** A detailed view of the gene expression data for each chromosome, with a color scale from 0 to 100.

The figure includes a legend for the color scale, indicating the range of gene expression values. The legend shows a gradient from blue (0) to red (100), with intermediate colors representing values in between.

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[illegible]

QUESTION:

Please refer to paragraph 21 of the Settlement Agreement.

- a. Please indicate whether FPL intends to participate in the Generation Performance Incentive Factor and/or the wholesale power sales incentives, as originally authorized by Order No. 9558 and PSC-2000-1744-PAA-EI respectively, if continuation of the Asset Optimization Program is approved as part of the Settlement Agreement. Please explain why or why not.
- b. Does implementing the Asset Optimization Program as a permanent program preclude FPL from participating in any other incentive programs during the settlement term or thereafter? Explain why or why not.

RESPONSE:

- a. FPL does not intend to participate in the wholesale power sales incentive originally authorized by Order No. PSC-2000-1744-PAA-EI since power sales are included in the Incentive Mechanism, which is part of the Settlement Agreement. FPL intends to continue participating in the Generation Performance Incentive Factor incentive as it is unrelated to the Incentive Mechanism.
- b. Please refer to Staff's Seventh Data Request No. 6, subpart (a) for information responsive to this request.

QUESTION:

Please refer to paragraph 21 of the Settlement Agreement, Order No. PSC-13-0023-S-EI, page 24, paragraph 12(c), and Order No. PSC-2016-0560-AS-EI, paragraph 15. Is it still FPL's contention that if the Asset Optimization Program is no longer deemed to be in the public interest, now or in a future setting, the Commission may terminate the program?

RESPONSE:

As detailed in the Settlement Agreement, the Parties agree that FPL is authorized to continue the Asset Optimization Program as an ongoing program as previously approved in Order No. PSC-13-0023-S-EI and Order No. PSC-16-0560-AS-EI subject to certain listed modifications. The program will continue, with the listed modifications, for a minimum of four years in the Fuel and Purchased Power Cost Recovery Clause docket. As noted in FPL's response to Staff's Seventh Data Request No. 8, the Commission will have the ability to review the program parameters every four years in the Fuel and Purchased Power Cost Recovery Clause docket. In the context of such prospective review, the Commission of course retains authority to conclude that the program itself is no longer in the public interest.

QUESTION:

Please refer to paragraph 21(ii) of the Settlement Agreement. Please detail if FPL has plans to monetize renewable energy credits associated with the SolarTogether program.

RESPONSE:

As detailed in FPL's response to OPC's Sixteenth Set of Interrogatories No. 256, FPL does not plan to monetize future solar Renewable Energy Certificates (RECs) associated with the Solar Together project.

QUESTION:

Please refer to paragraph 21(v) of the Settlement Agreement. How frequently, and under what circumstances, if any, could the Commission review the “adjustable parameters” or other parameters of the Asset Optimization Program outside of FPL’s request every four years? As part of your response, explain whether the Commission could initiate its own review of the parameters, outside of FPL’s request, and if not, why not.

RESPONSE:

The Settlement Agreement includes approval of the Incentive Mechanism/Asset Optimization Program for a minimum period of four years during which FPL will continue optimizing fuel and capacity resources as previously approved in Order No. PSC-13-0023-S-EI and Order No. PSC-16-0560-AS-EI, incorporating the modifications listed within the Settlement Agreement. The Settlement Agreement intends that the Commission would review the program parameters following the expiration of the Settlement Agreement and then every four years thereafter in the Fuel and Purchased Power Cost Recovery Clause docket. The four-year interval is intended to provide an adequate time during which the success of Incentive Mechanism/Asset Optimization instruments and strategies can be evaluated. Beyond the four year interval review, the Commission would retain its jurisdiction to review the program, consistent with its judgment and authority and taking into account the relative public policy interests at issue.

QUESTION:

Please refer to paragraph 22(iii) of the Settlement Agreement.

- a. Provide the number of chargers FPL estimates will be installed through the pilot.
- b. Will any customers or locations be excluded from service under the pilot?
- c. Explain why FPL believes it is appropriate for a regulated entity to engage in activities in a competitive market.

RESPONSE:

- a. The Residential EV Charging Services Pilot ("Pilot") provides EV charging equipment, including a Level 2 EV charger, for one electric vehicle per Participant. FPL's response to Staff's Fifth Data Request No. 19, subpart (d) includes FPL's projected Participants per year, with total estimated participation of 15,000.
- b. As detailed in Tariff Sheet No. 8.213, the Pilot will be available in all territory served. Service will be limited to customers with no delinquent balances with FPL that own and reside in a single-family home or townhome with an attached garage that is a premise already being served at the RS-1 rate schedule.
- c. The Florida Legislature, under SB 7018 as codified in Sec. 339.287(2), Fla. Stat., acknowledged the role EVs can play in mitigating the impacts of climate change in the state and called for the creation of a plan ("Master Plan") for EV supply equipment ("EVSE") and clearly and specifically called for "the participation of public utilities in the marketplace" for electricity delivery to EVs and charging stations. SB 7018 further stated the need to "encourage the expansion of electric vehicle use in this state." This will require greater investment in EVSE by both public entities and private companies, including utilities. FPL believes regulated utilities have a critical role to play in advancing EVs and EVSE in the state in support of the Master Plan objectives, and utilities should be able to use all tools at their disposal to accomplish these objectives, including utility-ownership of charging stations, consistent with the public interest. This voluntary Pilot is one such tool intended to remove the barriers to EV adoption by making it easier and more affordable to go electric. As a voluntary offering, it was designed to provide customers with more options to meet their charging needs and one of the Pilot objectives is to obtain information about customer preference for this type of program. In addition, as a regulated entity, FPL's engagement in the market provides benefits not just to the Participant but to the entire general body, as detailed in FPL's Response to Staff's Seventh Data Request No. 11.

QUESTION:

Please refer to paragraph 22(iv) of the Settlement Agreement.

- a. Provide the number of chargers FPL estimates will be installed through the pilot.
- b. Will any customers or locations be excluded from service under the pilot?
- c. Explain why FPL believes it is appropriate for a regulated entity to engage in activities in a competitive market.

RESPONSE:

- a. FPL does not have an estimate of the chargers that will be installed through the Commercial EV Charging Services Pilot ("Pilot"). The number of chargers is dependent on the number of participants and the participants' specific service need. As detailed in Tariff Sheet No. 8.942, "in order to meet the Service need identified by the Customer, the Company will conduct an evaluation of Customer requirements and of potential solutions. The Company and the Customer thereafter shall execute an Agreement which shall include the Service to be performed, a description of the Equipment to be installed..." One of the Pilot objectives is to obtain information about how many customers may elect to participate in a program of this nature and what solutions they are looking for.
- b. As detailed in Tariff Sheet No. 8.942, the Pilot will be available in all territory served. Service shall be limited to Customers that already are receiving Commercial Service under their otherwise applicable rate schedule.
- b. The Florida Legislature, under SB 7018 as codified in Sec. 339.287(2), Fla. Stat., acknowledged the role EVs can play in mitigating the impacts of climate change in the state and called for the creation of a plan ("Master Plan") for EV supply equipment ("EVSE") and clearly and specifically called for "the participation of public utilities in the marketplace" for electricity delivery to EVs and charging stations. SB 7018 further stated the need to "encourage the expansion of electric vehicle use in this state." This will require greater investment in EVSE by both public entities and private companies, including utilities. FPL believes regulated utilities have a critical role to play in advancing EVs and EVSE in the state in support of the Master Plan objectives, and utilities should be able to use all tools at their disposal to accomplish these objectives, including utility-ownership of charging stations, consistent with the public interest. This voluntary Pilot is one such tool intended to remove the barriers to EV adoption by making it easier and more affordable to go electric. As a voluntary offering, it was designed to provide customers with more options to meet their charging needs and one of the Pilot objectives is to obtain information about customer preference for this type of program. In addition, as a regulated entity, FPL's engagement in the market provides benefits not just to the Participant but to the entire general body, as detailed in FPL's Response to Staff's Seventh Data Request No. 12.

QUESTION:

Please refer to paragraph 25 of the Settlement Agreement and to Exhibit B, Tariff Sheet No. 9.806, Section 3. Please explain how FPL intends to recover the costs associated with the \$100 bill credit.


RESPONSE:

FPL will account for and recover the costs associated with the \$100 bill credit by recording the \$100 credit to participants in the Smart Panel Pilot Program as a reduction to retail base revenues, which will be reflected in FPL's earnings surveillance reports. This has the effect of lowering the amount of revenues included in net operating income available to the general body of ratepayers.

DECLARATION

I, Steven R. Sim, co-sponsored the answers to Data Request Nos. 1-3 from Staff's Eighth Set of Data Requests to Florida Power & Light Company in Docket No. 20210015-EI, and the responses are true and correct based on my personal knowledge.

Under penalty of perjury, I declare that I have read the foregoing declaration and the interrogatory answer identified above, and that the facts stated therein are true.



Steven R. Sim

Date: 8/27/2021

DECLARATION

I, Tiffany C. Cohen, co-sponsored the answers to Data Request Nos. 1, 2, and 5 from Staff's Eighth Set of Data Requests to Florida Power & Light Company in Docket No. 20210015-EI, and the responses are true and correct based on my personal knowledge.

Under penalty of perjury, I declare that I have read the foregoing declaration and the interrogatory answer identified above, and that the facts stated therein are true.

Tiffany Cohen

Tiffany C. Cohen

Date: 8/27/2021

DECLARATION

I, Scott R. Bores, co-sponsored the answers to Data Request Nos. 3 and 6 from Staff's Eighth Set of Data Requests to Florida Power & Light Company in Docket No. 20210015-EI, and the responses are true and correct based on my personal knowledge.

Under penalty of perjury, I declare that I have read the foregoing declaration and the interrogatory answer identified above, and that the facts stated therein are true.



Scott R. Bores

Date: 8/30/2021

DECLARATION

I, Matthew Valle, sponsored the answers to Data Request Nos. 4 and 11-12, and co-sponsored the answers to Data Request Nos. 5-6 from Staff's Eighth Set of Data Request to Florida Power & Light Company in Docket No. 20210015-EI, and the responses are true and correct based on my personal knowledge.

Under penalty of perjury, I declare that I have read the foregoing declaration and the interrogatory answer identified above, and that the facts stated therein are true.



Matthew Valle

Date: _____

8/27/21

DECLARATION

I, Sam Forrest, sponsored the answers to Data Request Nos. 7-10 from Staff's Eighth Set of Data Requests to Florida Power & Light Company in Docket No. 20210015-EI, and the responses are true and correct based on my personal knowledge.

Under penalty of perjury, I declare that I have read the foregoing declaration and the interrogatory answers identified above, and that the facts stated therein are true.



Sam Forrest

Date: _____

8/20/21

DECLARATION

I, Liz Fuentes, sponsored the answer to Data Request No. 13 from Staff's Eighth Set of Data Requests to Florida Power & Light Company in Docket No. 20210015-EI, and the response is true and correct based on my personal knowledge.

Under penalty of perjury, I declare that I have read the foregoing declaration and the interrogatory answer identified above, and that the facts stated therein are true.



Liz Fuentes

Date: 8/27/2021