477

FPL's response to Staff's Twelfth data request, No. 1-4.

(Including attachments for Nos. 1, 2, and 4)

Florida Power & Light Company Docket No. 20210015-EI Staff's Twelfth Data Request Request No. 1 Page 1 of 1

QUESTION:

Please refer to witness Bores' pre-filed settlement testimony, Exhibit SRB-14.

- a. Please provide data similar to Schedule 7.1 and 7.2 of the Company's Ten-Year Site Plan for the No STE Resource Plan and SolarTogether Extension Resource Plan. As part of this response, please include an additional column with the net reserve margin capacity above or below the 20 percent planning reserve margin level.
- b. Please explain why there are no solar units utilized after 2025. As a part of this response, include a revised SRB-14 plan that utilizes solar units after 2025, if available.

RESPONSE:

- a. Please see Attachment 1 for the requested information.
- b. The objective of the analysis is to determine if adding the next new increment of solar, represented by the Solar Together Extension MW shown in red font in Exhibit SRB-14, that was in addition to the amount of solar previously planned for the years 2023 thru 2025, was cost-effective to add. Because the focus is solely on the economics of the next new increment of solar, no additional solar was considered in the years after 2025. This analysis approach is identical to the approach that was used in FPL's prior SoBRA filings and in the original Solar Together filing with the FPSC.

FPL did not perform an analysis that included the Solar Together Extension increment as well as solar additions in the years beyond 2025. Therefore, the requested resource plans are not available.

20210015.EI Staff Hearing Exhibits 01388

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

							NO ST	E RESOU	RCE PL	AN												SO	LARTO	GETHER	EXTENS	SION RE	ESOURC	E PLAN					
							Sc	hedule 7.2																Sc	hedule 7.2								
						Forecast	of Capacit	ty, Demand,	and Sche	duled													Forecast	of Capacit	y, Demand,	, and Sche	duled						
						Maii	itenance A	t Time Of V	Vinter Pea	k													Maii	itenance A	t Time Of V	Vinter Pea	ık						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17) Capacity	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17) Capacity
					Total			Firm	To	tal		To	otal	Gene	eration Only	Above/						Total			Firm	To	tal		Tot	tal	Gene	ration Only	Above/
	Firm	Firm	Firm		Firm	Total		Winter	Rese	erve		Res	erve		Reserve	(Below)		Firm	Firm	Firm		Firm	Total		Winter	Res	erve		Rese	erve	F	Reserve	(Below)
	Installed	Capacity	Capacity	Firm	Capacity	Peak		Peak	Margin	Before	Scheduled	Margin	n After	M	argin After	20%		Installed	Capacity	Capacity	Firm	Capacity	Peak		Peak	Margin	Before	Scheduled	Margin	1 After	Ma	ırgin After	20%
January of	Capacity	Import	Export	QF	Available	Demand	DSM	Demand	Mainte	enance	Maintenance		enance	M	laintenance	RM	January of	Capacity	Import	Export	QF	Available	Demand	DSM	Demand	Mainte	enance	Maintenance	Mainte	enance	Ma	intenance	RM
Year	MW	MW	MW	MW	MW	MW	MW	MW	MW	% of Peak	MW	MW	% of Peak	MW	% of Peak	(MW)	Year	MW	MW	MW	MW	MW	MW	MW	MW	MW	% of Peak	MW	MW	% of Peak	MW	% of Peak	(MW)
								FPL																	FPL								
2021	26,993	110	0	404	27,507	20,068	1,370	18,698	8,809	47.1	0	8,809	47.1	7,439	37.1	5,069	2021	26,993	110	0	404	27,507	20,068	1,370	18,698	8,809	47.1	0	8,809	47.1	7,439	37.1	5,069
								Gulf																	Gulf								
2021	2,388	994	0	0	3,382	2,174	1	2,173	1,209	55.6	0	1,209	55.6	1,208	55.6	774	2021	2,388	994	0	0	3,382	2,174	1	2,173	1,209	55.6	0	1,209	55.6	1,208	55.6	774
2022	20.521	1.104			29,629	22,461	1.406	grated FPL 21.055	and Gulf	40.7		8,574	40.7	7.160	21.0	4,363	2022	28,521	1.104			29,629	22,461	1.406	grated FPL 21,055	8.574	40.7		8,574	40.7	7.168	31.9	4262
2022	28,521 29,749	1,104		4	30,857	22,461	1,406	21,033	9,431	40.7 44.0	0	9,431	44.0	7,168 7,988	31.9 34.9	5,146	2022	29,749	.,	0	4	30,857	22,869	1,406	21,033	9,431	40.7 44.0	0	9,431	44.0	7,168	34.9	4,363 5,146
2023	29,749	219		4	29,603	23,287	1,443	21,420	7,798	35.8	0	7,798	35.8	6,316	27.1	3,437	2023	29,749			4	29,603	23,287	1,443	21,420	7,798	35.8	0	7,798	35.8	6,316	27.1	3,437
2024	29,395	219		4	29,603	23,624	1,527	22,097	7,738	34.0	0	7,738	34.0	5,994	25.4	3,101	2024	29,395			4	29,603	23,624	1,527	22,097	7,750	34.0	0	7,521	34.0	5,994	25.4	3,101
2026	29,390	219		4	29,613	23,957	1,556	22,401	7,212	32.2	0	7,212	32.2	5,656	23.6	2,732	2026	29,390			4	29,613	23,957	1,556	22,401	7,321	32.2	0	7,212	32.2	5,656	23.6	2,732
2027	30,224	219		0	30,443	24,199	1,585	22,614	7,830	34.6	0	7,830	34.6	6,244	25.8	3,307	2027	29,312	219		0	29,531	24,199	1,585	22,614	6,918	30.6	0	6,918	30.6	5,332	22.0	2,395
2028	30,584	219		0	30,803	24,552	1,615	22,937	7,866	34.3	0	7,866	34.3	6,251	25.5	3,279	2028	29,272	219		0	29,491	24,552	1,615	22,937	6,554	28.6	0	6,554	28.6	4,939	20.1	1,967
2029	30,584	219		0	30,803	24,916	1,644	23,272	7,531	32.4	0	7,531	32.4	5,887	23.6	2,877	2029	30,284			0	30,503	24,916	1,644	23,272	7,231	31.1	0	7,231	31.1	5,587	22.4	2,577
2030	32,674	219	0	0	32,893	25,289	1,673	23,616	9,277	39.3	0	9,277	39.3	7,604	30.1	4,554	2030	30,681	219	0	0	30,900	25,289	1,673	23,616	7,284	30.8	0	7,284	30.8	5,611	22.2	2,561
	, ,				,	,	,	, ,								***		.,						,									

Col. (2) represents capacity additions and changes projected to be in-service by January 1st. These MW are generally considered to be available to meet Winter peak loads which are forecasted to occur during January of the year indicated.

Col. (6) = Col.(2) + Col.(3) - Col(4) + Col(5).

Col.(7) reflects the 2021 load forecast without incremental DSM or cumulative load management.

Col.(8) represents cumulative load management capability, plus incremental conservation and load management, from 9/2020-on intended for use with the

Col.(10) = Col.(6) - Col.(9)

Col.(11) = Col.(10) / Col.(9)

Col.(12) indicates the capacity of units projected to be out-of-service for planned maintenance during the Winter peak period.

Col.(13) = Col.(10) - Col.(12)

Col.(14) = Col.(13) / Col.(9)

Col.(15) = Col.(6) - Col.(7) - Col.(12)

Col.(16) = Col.(15) / Col.(7) Col.(17) = Col.(6) - (Col.(9)*1.20)

2021 load forecast.

Col.(8) represents cumulative load management capability, plus incremental conservation and load management, from 9/2020-on intended for use with the

col. (2) represents capacity additions and changes projected to be in-service by January 1st. These MW are generally considered to be available to meet Winter

Col.(10) = Col.(6) - Col.(9)

Col. (6) = Col.(2) + Col.(3) - Col(4) + Col(5).

Col.(11) = Col.(10) / Col.(9)

Col.(12) indicates the capacity of units projected to be out-of-service for planned maintenance during the Winter peak period.

neak loads which are forecasted to occur during January of the year indicated.

Col.(7) reflects the 2021 load forecast without incremental DSM or cumulative load management.

Col.(13) = Col.(10) - Col.(12) Col.(14) = Col.(13) / Col.(9)

Col.(15) = Col.(6) - Col.(7) - Col.(12)

Col.(16) = Col.(15) / Col.(7)

Col.(17) = Col.(6) - (Col.(9)*1.20)

Florida Power & Light Company Docket No. 20210015-EI Staff's Twelfth Data Request Request No. 2 Page 1 of 2

QUESTION:

Please refer to witness Bores' pre-filed settlement testimony, Exhibit SRB-15.

- a. Please verify that only SolarTogether Extension costs and benefits are present in table SRB-15. If not, please provide a revised SRB-15 with only SolarTogether Extension costs and benefits. If applicable, use this revised SRB-15 for the remaining subparts.
- b. Please explain why subscription credits are not reflected in the table. As a part of this response, please provide a revised version of SRB-15 that includes subscription credits.
- c. Please provide the annual values (in nominal and net present value) for SRB-15. Provide this in electronic (excel) format.
- d. Please refer to FPL's response to Staff's 8th Data Request No. 6, Attachment No. 1, tab "System Impacts (Extension)". Please explain the differences between this tab and Exhibit SRB-15, if any. This response should include any variation in years, values and factors included in the calculations.

RESPONSE:

- a. The information presented in table SRB-15 represents the difference in resource planning CPVRR costs for the two resource plans: the No STE Plan and the SolarTogether Extension Plan. From these values, the system costs and system benefits for the STE program are derived.
- b. Table SRB-15 presents the projected \$425 million difference in total CPVRR costs between the two resource plans. This projection is the first of a two-step analysis process in which the projected total net CPVRR benefits are identified.

 The allocation of those total net benefits into net benefits allocated to STE participants (*i.e.*, the subscription credits) and net benefits for non-participants occurs in the second step of this process. Attachment 1 contains a revised version of Exhibit SRB-15 including the projected Credits associated with the SolarTogether Extension.
- c. Please see Attachment 2 for these annual values.
- d. In regard to Attachment 1, the tab "System Impacts (Extension)" in FPL's response to Staff's Eighth Data Request, provides the same information as Exhibit SRB-15 with two exceptions. First, the CPVRR cost associated with the capital and fixed O&M from the STE solar facilities were not included in that system impact summary. Second, the projected annual nominal dollars for each of the other cost categories are shown through 2069, with the CPVRR summary at the top of the attachment indicating a net benefit of \$2.974 billion through 2050. This was not correctly presented or labeled in the original system impact extension tab.

Florida Power & Light Company Docket No. 20210015-EI Staff's Twelfth Data Request Request No. 2 Page 2 of 2

The tab "System Impacts (Extension)" is part of work that was intended to determine only the system benefits of 1,788 MW of additional STE solar facilities without yet accounting for the cost of those solar facilities. As such, FPL's IRP model performed an analysis through the year 2069 to better account for longer-lived resources (such as CTs or CCs). Because the projected life of the additional STE solar facilities was assumed to be 35 years, and the last year of the additional STE solar facilities is projected to come in-service in 2025, the overall STE analysis as presented in Exhibit SRB-15 ends in the year 2060. This difference in analysis horizon explains the numerical discrepancy between the tab "System Impacts (Extension)" and Exhibit SRB-15 for several of the cost categories under "generation costs avoided" and "system costs avoided." Please refer to Attachment No. 2 to this Data Request (prepared in response to subpart c) which demonstrates there is no difference in the two documents after the nominal values from 2061 through 2069 are excluded and the total CPVRR appropriately calculated and presented through 2060.

20210015.EI Staff Hearing Exhibits 01391

Florida Power & Light Company Docket No. 20210015-EI Staff's Twelfth Data Request Request No. 2 Attachment 1 of 2 Tab 1 of 1 Docket No. 20210015-EI
FPL SolarTogether Extension System Costs and Benefits
Exhibit SRB-15 (Revised to Include ST Extension Subscription Credits)

	SolarToge	ther Extension R	evenue Requi	rements	Non-So	olarTogether Extension	1 Generation Cos	ts Avoided	Syster	m Costs Avo	ided		ST Extension Subscription
Program	Generation	Transmission			Generation	Fixed O&M and	Transmission	Incremental	System	Startup +		Total	Credits
Admin. Costs	Capital	Interconnection	Fixed O&M	Land	Capital	Capital Replacement	Interconnection	Gas Transport	Net Fuel	VOM	Emission	CPVRR	CPVRR
(Millions)	(Millions)	(Millions)	(Millions)	(Millions)	(Millions)	(Millions)	(Millions)	(Millions)	(Millions)	(Millions)	(Millions)	(Millions)	(Millions)
\$22	\$1,677	\$361	\$132	\$187	(\$520)	(\$134)	(\$3)	(\$287)	(\$1,310)	(\$101)	(\$446)	(\$425)	\$1,840

^{*} Negative () indicates savings to FPL customers

^{*} This hypothetical revised exhibit was prepared at the request of Staff and excludes subscription charges which offset the base revenue requirements of the SolarTogether facilities when netted with the generation capital, O&M and VOM savings, thus resulting in a CPVRR benefit for the general body of customers.

Florida Power & Light Company Docket No. 2021004012 10015.EI Staff Hearing Exhibits 01392

Staff's Twelfth Data Request Request No. 2 Attachment 2 of 2

Tab 1 of 1

SolarTogether Extension (1,788 MW)

	SolarTe	ogether Ext	ension Revenue	Requiremer	nts	Non-SolarT	ogether Extensio	n Generation Co	osts Avoided	Syster	n Costs Ave	oided	
	Program	Generation	Transmission			Generation	Fixed O&M and	Transmission	Incremental	System	Startup +		Total
	Admin. Costs	Capital	Interconnection	Fixed O&M	Land	Capital	Capital Replace.	Interconnection	Gas Transport	Net Fuel	VOM	Emission	CPVRR
	(Millions)	(Millions)	(Millions)	(Millions)	(Millions)	(Millions)	(Millions)	(Millions)	(Millions)	(Millions)	(Millions)	(Millions)	(Millions)
Thru 2060	\$22	\$1,677	\$361	\$132	\$187	(\$520)	(\$134)	(\$3)	(\$287)	(\$1,310)	(\$101)	(\$446)	(\$425)

^{*} Negative () Indicates Savings to FPL Customers

_		SolarT	ogether Exte	ension Revenue	Requiremen	its	Non-SolarT	ogether Extensio	n Generation Co	osts Avoided	Syste	m Costs Av	oided	
		Program	Generation	Transmission			Generation	Fixed O&M and	Transmission	Incremental	System	Startup +		Total
		Admin. Costs	Capital	Interconnection	Fixed O&M	Land	Capital	Capital Replace.	Interconnection	Gas Transport	Net Fuel	VOM	Emission	RevReq's
	Year	(Millions)	(Millions)	(Millions)	(Millions)	(Millions)	(Millions)	(Millions)	(Millions)	(Millions)	(Millions)	(Millions)	(Millions)	(Millions)
1.07	2021	\$0	\$0	\$0	\$0	\$1								\$1
1.00	2022	\$2	(\$0)	\$0	\$0	\$4	\$0	\$0	\$0	\$0	(\$0)	\$0	\$0	\$5
0.93	2023	\$4	\$50	\$10	\$2	\$9	\$0	\$0	\$0	\$0	(\$20)	(\$3)	(\$0)	\$52
0.87	2024	\$3	\$126	\$25	\$4	\$14	\$0	\$0	\$0	\$0	(\$49)	(\$7)	(\$0)	\$118
0.81	2025	\$3	\$186	\$40	\$7	\$15	\$0	\$0	\$0	\$0	(\$79)	(\$7)	(\$0)	\$164
0.75	2026	\$2	\$190	\$42	\$8	\$15	(\$50)	(\$3)	(\$2)	\$0	(\$82)	(\$8)	(\$2)	\$111
0.70	2027	\$2	\$179	\$40	\$9	\$15	(\$66)	(\$6)	(\$2)	\$0	(\$86)	(\$4)	(\$3)	\$77
0.65	2028	\$1	\$171	\$39	\$9	\$15	(\$52)	(\$6)	\$0	\$0	(\$87)	\$4	(\$5)	\$90
0.61	2029	\$1	\$163	\$38	\$10	\$15	(\$201)	(\$13)	(\$5)	(\$9)	(\$44)	\$18	(\$3)	(\$30)
0.57	2030	\$1	\$158	\$36	\$11	\$15	\$17	(\$5)	\$0	(\$35)	(\$98)	(\$11)	(\$9)	\$80
0.53	2031	\$1	\$153	\$35	\$11	\$15	\$17	(\$11)	\$0	(\$36)	(\$103)	(\$12)	(\$11)	\$60
0.49	2032	\$1	\$149	\$34	\$12	\$15	(\$48)	(\$9)	\$0	(\$36)	(\$108)	(\$10)	(\$12)	(\$12)
0.46	2033	\$1	\$145	\$33	\$12	\$15	(\$47)	(\$4)	\$0	(\$37)	(\$112)	(\$8)	(\$14)	(\$16)
0.43	2034	\$1	\$141	\$31	\$12	\$15	(\$46)	(\$16)	\$0	(\$37)	(\$118)	(\$8)	(\$17)	(\$42)
0.40	2035	\$1	\$136	\$30	\$12	\$15	(\$112)	(\$5)	\$0	(\$38)	(\$123)	(\$4)	(\$21)	(\$107)
0.37	2036	\$1	\$132	\$29	\$12	\$15	(\$109)	(\$18)	\$0	(\$39)	(\$124)	(\$4)	(\$27)	(\$130)
0.35	2037	\$1	\$128	\$28	\$12	\$15	(\$36)	(\$19)	\$0	(\$40)	(\$132)	(\$9)	(\$33)	(\$85)
0.32	2038	\$1	\$139	\$26	\$13	\$15	(\$34)	(\$10)	\$0	(\$40)	(\$133)	(\$10)	(\$40)	(\$73)
0.30	2039	\$1	\$134	\$25	\$13	\$15	(\$33)	(\$16)	\$0	(\$41)	(\$137)	(\$11)	(\$47)	(\$96)
0.28	2040	\$1	\$129	\$24	\$13	\$15	(\$31)	(\$39)	\$0	(\$42)	(\$139)	(\$8)	(\$55)	(\$131)
0.26	2041	\$1	\$124	\$23	\$13	\$15	(\$106)	\$17	\$0	(\$43)	(\$141)	(\$14)	(\$62)	(\$171)
0.24	2042	\$1	\$119	\$23	\$14	\$15	(\$26)	(\$30)	\$0	(\$43)	(\$144)	(\$15)	(\$71)	(\$157)
0.23	2043	\$1	\$114	\$22	\$14	\$15	(\$25)	(\$37)	\$0	(\$44)	(\$142)	(\$6)	(\$79)	(\$167)
0.21	2044	\$1	\$109	\$21	\$14	\$15	(\$104)	(\$10)	\$0	(\$45)	(\$152)	(\$13)	(\$91)	(\$253)
0.20	2045	\$1	\$105	\$20	\$14	\$15	(\$19)	(\$19)	\$0	(\$46)	(\$150)	(\$22)	(\$100)	(\$202)
0.18	2046	\$1	\$100	\$19	\$15	\$15	(\$18)	(\$61)	\$0	(\$47)	(\$151)	(\$11)	(\$114)	(\$253)
0.17	2047	\$1	\$95	\$19	\$16	\$15	(\$24)	(\$27)	\$0	(\$48)	(\$155)	(\$17)	(\$119)	(\$246)
0.16	2048	\$1	\$90	\$18	\$16	\$15	(\$41)	(\$14)	\$0	(\$49)	(\$165)	(\$19)	(\$126)	(\$275)
0.15	2049	\$1	\$85	\$17	\$16	\$15	(\$113)	(\$26)	\$0	(\$50)	(\$159)	(\$14)	(\$131)	(\$361)
0.14	2050	\$1	\$80	\$16	\$16	\$15	(\$5)	(\$24)	\$0	(\$51)	(\$160)	(\$19)	(\$140)	(\$270)
0.13	2051	\$1	\$75	\$15	\$16	\$15	(\$5)	(\$12)	\$0	(\$52)	(\$167)	(\$21)	(\$142)	(\$275)
0.12	2052	\$1	\$70	\$15	\$17	\$15	(\$5)	(\$49)	\$0	(\$53)	(\$172)	(\$22)	(\$147)	(\$330)
0.11	2053	\$1	\$66	\$14	\$18	\$15	(\$100)	\$1	\$0	(\$54)	(\$164)	(\$18)	(\$148)	(\$369)
0.10	2054	\$1	\$62	\$13	\$19	\$15	(\$0)	(\$18)	\$0	(\$48)	(\$171)	(\$25)	(\$150)	(\$302)
0.10	2055	\$1	\$58	\$12	\$19	\$15	\$0	(\$17)	\$0	\$0	(\$169)	(\$24)	(\$154)	(\$258)
0.09	2056	\$1	\$54	\$12	\$19	\$15	\$0	(\$10)	\$0	\$0	(\$175)	(\$27)	(\$158)	(\$269)
0.08	2057	\$1	\$50	\$11	\$19	\$15	\$1	(\$44)	\$0	\$0	(\$174)	(\$25)	(\$160)	(\$306)
0.08	2058	\$1	\$37	\$8	\$15	\$12	\$1	(\$20)	\$0	\$0	(\$170)	(\$32)	(\$165)	(\$312)
0.07	2059	\$1	\$20	\$5	\$8	\$11	\$2	\$3	\$0	\$0	(\$176)	(\$26)	(\$166)	(\$317)
0.07	2060	\$1	\$5	\$1	\$2	\$5	\$2	(\$31)	\$0	\$0	(\$181)	(\$26)	(\$169)	(\$390)
	CPVRR	\$22	\$1,677	\$361	\$132	\$187	(\$520)	(\$134)	(\$3)	(\$287)	(\$1,310)	(\$101)	(\$446)	(\$425)

Florida Power & Light Company Docket No. 20210015-EI Staff's Twelfth Data Request Request No. 3 Page 1 of 1

OUESTION:

Please refer to Attachment No. 1, "FPL SolarTogether Extended Program", in response to Staff's 8th Data Request No. 6, tab 13 of 21. Explain what factors were included in FPL's determination for the projected values of the following categories: Generation Capital, Fixed O&M, Incremental Gas Transport and Emissions. This explanation should include specific avoided units, deferred units, emissions savings and any other relevant information used in making determinations for the projected values.

RESPONSE:

The analyses of both the STE plan and the No STE plan used the same forecasts for load, fuel costs, and environmental compliance costs that were presented in the direct testimony of FPL witness Sim. In addition, the costs for all resource options, except for the additional STE solar facilities, are the same as what was used in the integrated resource planning analyses described in the direct testimony of FPL witness Sim. The cost of the STE solar facilities was developed by FPL's engineering team based on current cost estimates for labor and materials.

In regard to which units were avoided or deferred, please see FPL witness Bores' Exhibit SRB-14. This exhibit shows that for the years 2026 through 2030, the additional STE solar facilities: (i) deferred a 3x0 CT from 2026 to 2029; (ii) deferred a 3x1 CC from 2029 to 2030; (iii) deferred 2x 100 batteries from 2027 to 2029, plus a 1x100 battery from 2028 to 2029; and (iv) deferred 3 x 100 batteries from 2028 to 2030.

Other information regarding projected benefits of the STE plan that are not presented in Exhibit SRB-14 include:

- A projected CO₂ emission cumulative reduction of approximately 59 million tons through 2060; and,
- A projected reduction in firm gas transportation of 60 MMCF/day.

Florida Power & Light Company Docket No. 20210015-EI Staff's Twelfth Data Request Request No. 4 Page 1 of 1

QUESTION:

Please refer to witness Bores' pre-filed settlement testimony, Exhibit SRB-16.

- a. Please provide a revised "SolarTogether Original Phase" table that utilizes the original Subscription Credits as approved by Order No. PSC-2020-0084-S-EI. Please provide this in both Adobe PDF and electronic (excel) format.
- b. Please provide a revised "SolarTogether Extended Program" table that utilizes the revised "SolarTogether Original Phase" and original "SolarTogether Extension" table. Please provide this in both Adobe PDF and electronic (excel) format.

RESPONSE:

- a. Please see Attachments Nos. 1 and 2 for a PDF and excel of the requested information.
- b. Notwithstanding FPL's Objection to this request, FPL offers the following explanation. The "SolarTogether Extension," which comprises the 1,788 megawatts of additional capacity contemplated in the Proposed Settlement Agreement, was never analyzed as a standalone program, but rather as an extension of the original phase. As such, FPL did not develop pricing or a subscription credit for the standalone extension. Analysis of such a standalone program would have yielded different pricing or credit rates. FPL analyzed the overall extended program, which allowed for a reasonable payback for all participants while projecting a \$292 million CPVRR benefit for the general body of customers.

20210015.EI Staff Hearing Exhibits 01395

Fiorida Power & Light Company Docket No. 20210015-EI Staff's Twelfth Data Request Request No. 4 Attachment 1 of 2 Tab 1 of 1

	SolarTogether Phase 1 (1,490 MW) (\$ millions)		CPVRR	Nominal Total	2019	1 2020	2 2021	3 2022	4 2023	5 2024 2	6 025 202	7 8 8 2027	9 2028	10 2029	11 2030	12 2031	13 2032	14 2033	15 2034	16 2035	17 2036	18 2037	19 2038	20 2039	21 2040	22 2041	23 2042 2	24 043 20	25 2 44 204	27 5 2046	28 2047	29 2048	30 2049	31 2050	32 2051	33 2052	34 2053	35 2054	36 2 055	37 2056 203	J1-2056
10 11	Discount Factor				1.01	0.93	0.87	0.80	0.75	0.69	0.64 0.6	0.55	0.51	0.48	0.44	0.41	0.38	0.35	0.33	0.31	0.28	0.26	0.24	0.23	0.21	0.20	0.18	.17 0.	16 0.1	0.13	0.12	0.12	0.11	0.10	0.09	0.09	0.08	0.07	0.07	0.06	
13 14 15 16 17	Base Revenue Requirements FPL SolarTogether Capital, O&M Program Administrative Costs Total SolarTogether Costs System Impacts (Avoided Generation Capital, O&M) Total Base RevReo's flav) unifav		\$1,839.7 11.5 1,851.1 (561.4) \$1,289.8	\$4,677.7 20.3 4,698.1 (1,678.2) \$3,019.9	2.3 5.8	(2.0)	1.8 199.7 (14.8)	1.7 208.2 (38.2)	1.1 197.1 (60.4)	187.9 \$18 0.7 1 188.6 18 (48.3) (4 140.3 \$13	0.4 0. 1.2 175. 7.0) (44.	3 0.3 7 171.3 5) (37.4)	0.3 167.4) (176.3)	(111.1)	0.3 158.8 (28.0)	0.4 154.9 (48.6)	0.4 151.1 (39.4)	\$146.2 0.4 146.5 (29.7) \$116.8	0.4 142.4 (32.7)	0.4 138.5 (40.1)	0.4 134.8 (39.3)	0.4 130.7 (36.2)	(52.1)	0.4 132.9	0.4 128.4 (21.5)	(43.4) (0.5	0.5 0 3.0 111 0.7) (47	.5 0.5 .6 106.6 .9) (55.5	0.5 102.1) (54.5)	(31.6)	\$92.1 0.5 92.6 (52.0) \$40.6	\$87.3 0.6 87.8 (41.6) \$46.2	\$80.0 0.0 80.0 (35.7) \$44.3	\$80.5 (0.0) 80.5 (43.1) \$37.4			71.1	58.7 40.6)	10.9	2,800.3 <u>8.5</u> 2,808.8 1,070.0) 1,738.8
19 20 21 22 23 24 25	Clause Revenue Requirements System Net Fuel Incremental Gas Transport Emissions Total Clause RevReq's (fav) unfav		(\$1,029.2) (389.6) (94.4) (\$1,513.1)	(\$3,732.8) (1,622.1) (648.8) (\$6,003.7)	\$0.0 - - \$0.0	(0.0)	(\$55.4) - (0.0) (\$55.5)	(\$60.4) (0.0) (\$60.4)	(0.0)	(0.0) ((\$73.6) (\$73.6)	0.0) (0.	(59.6)	(59.2)	(58.9) (2.2)	(58.6) (3.1)		(58.0) (6.2)	(57.7) (7.6)	(57.4) (9.2)	(57.1) (10.5)	(56.9) (11.5)	(56.6) (12.5)	(56.3) (14.1)	(56.1) (15.0)	(55.8) (16.3)	(55.6) (18.4) (18.4)	55.3) (5 20.5) (2	5.1) (54 3.1) (25	.9) (54.7 .2) (28.7) (54.5)) (32.1)	(54.3)	(54.1) (42.1)	(53.9) (46.3)	(53.7) (47.1)	(54.1) (40.0)	(54.0) (41.7)	(53.9) (42.8)	(53.9) (\$13.6) (\$13.1) (43.1) (43.1) (43.1)	53.9) 14.5)	- (1	2,954.6) 1,385.8) (639.7) 4,980.1)
26	Net Revenue Requirements (fav) unfav		(\$223.3)	(\$2,983.8)	\$5.8	\$50.7	\$129.4	\$109.6	\$72.1	\$66.7 \$5	5.8 \$47.	8 (\$17.2)	(\$161.7)	(\$90.8)	(\$10.8)	(\$54.3)	(\$51.8)	(\$49.4)	(\$61.0)	(\$72.3)	(\$78.2)	(\$81.7)	(\$97.8) (\$	107.3) (\$78.8) (\$	110.5) (\$1:	27.4) (\$13	5.0) (\$137	.8) (\$156.9) (\$164.2)	(\$153.9)	(\$187.2)	(\$183.2)	(\$187.5)	\$185.5) (\$188.8) (\$	195.1) (196.2) (\$2	12.4) \$	12.8 (\$3	3,241.3)
27 28 29 30 31 32 33 34 35 36 37 38	Regular Participant Subscription Charge and Credit Subscription Charge (Revenue) Subscription Credits Subscription Credits Regular Participant Velocity (Payment) Low Income Participant Subscription Charge and Credit Subs		(\$1,336.0) 1,383.1 \$47.1 (\$28.4) 32.0	(\$4,123.9) 4,706.1 \$582.2 (\$87.7) 98.7 \$11.0	\$0.0 \$0.0 \$0.0 \$0.0	\$29.0 (\$3.4) (\$0.7) \$0.8	\$95.0 (\$11.1) (\$2.3) \$2.5	\$106.9 (\$11.0) (\$2.5) \$2.8	\$108.4 \$ (\$9.5) (\$2.5) \$2.8	(4)	1.4 \$113. 8.4) (\$4. 2.5) (\$2. 2.8 \$2.	9) (\$3.3) 5) (\$2.5) 8 \$2.8	\$116.4) (\$1.4)) (\$2.5) \$2.8	\$117.8 (\$0.1) (\$2.5) \$2.8	\$119.4 \$1.6 (\$2.5) \$2.8	\$121.1 \$3.2 (\$2.5) \$2.8	\$123.1 \$5.3 (\$2.5) \$2.8	\$124.5 \$6.6 (\$2.5) \$2.8	\$126.2 \$8.4 (\$2.5) \$2.8	\$128.0 \$10.1 (\$2.5) \$2.8	\$130.1 \$12.3 (\$2.5) \$2.8	\$131.6 \$ \$13.7 (\$2.5) \$2.8	\$133.4 \$15.6 (\$2.5) \$2.8	\$135.2 \$ \$17.4 (\$2.5) \$2.8	137.5 \$ \$19.7 (\$2.5) \$2.8	\$21.2 \$ (\$2.5) (\$2.8	41.0 \$14 23.2 \$2 \$2.5) (\$ \$2.8 \$	3.0 \$145 5.1 \$27 2.5) (\$2 2.8 \$2	.3 \$147.0 .5 \$29.1 .5) (\$2.5 .8 \$2.8	\$149.0 \$31.2) (\$2.5) \$2.8	\$151.1 \$33.3 (\$2.5) \$2.8	\$153.6 \$35.8 (\$2.5) \$2.8	\$155.3 \$37.5 (\$2.5) \$2.8	\$157.5 \$39.7 (\$2.5) \$2.8	\$159.7 \$41.9 (\$2.5) \$2.8	\$162.4 \$44.6 (\$2.5) \$2.8	\$164.2 \$ \$46.4 (\$2.5) \$2.8	\$48.7 \$3 (\$2.5) (\$2.8	36.5 \$ \$1.8) (\$ \$2.0 \$	17.1 \$5.4 \$0.3) \$0.3	2,925.1) 3,564.3 \$639.2 (\$62.2) 70.0 \$7.8
39 40 41 42 43 44	Participant Subscription Charge and Credit Subscription Charge (Revenue) Subscription Credits Participant Net Distribution (Payment)	% of Total 22.7%	(\$1,364.5) 1,415.1 \$50.6	4,804.9		29.7	97.5	109.7	111.2	120.3) (\$12) 113.0 11- (\$7.3) (\$	4.2 115.	8 117.4	119.3	120.6	122.2	123.9	125.9	127.3	129.0	130.8	132.9	134.4	136.2	138.1	140.3	141.9 1	43.8 14	5.8 148	.2 149.8	151.8	153.9	156.4	158.2	160.3	162.5	165.2	167.0	169.3 12	24.0	17.4	2,987.3) 3,634.3 \$647.0
47 48 49 50	Revenue Requirements Base Total Base RevReq's Participant Subscription (Revenue) Net Base RevReq's (fav) unfav	-5.79%	\$1,289.8 (1,364.5) (\$74.7)	\$3,019.9 (4,211.7) (\$1,191.8)			(108.3)	(120.3)	(120.3) (140.3 \$13 120.3) (12 \$20.0 \$1	0.3) (120.	3) (120.3)	(120.3)	(120.3)	(120.3)	(120.3)	(120.3)		(120.3)	(120.3)	(120.3)	(120.3)	(120.3)	(120.3) (120.3) (120.3) (1		0.3) (120	.3) (120.3) (120.3)	(120.3)			(120.3)	(120.3)	(120.3)	(120.3)	(120.3) (8	37.2) (1,738.8 2,987.3) 1,248.5)
51 52 53 54 55	Clause Total Clause RevReq's (fav) unfav Participant Credits Net Clause RevReq's (fav) unfav	% of Total 93.52% 6.48%	(\$1,513.1) 1,415.1	(\$6,003.7) 4,804.9 (\$1,198.8)		29.7	97.5	109.7	111.2	\$73.6) (\$76 113.0 11 \$39.4 \$3	4.2 115.	8 117.4	119.3		122.2	123.9	125.9	127.3	129.0	130.8	132.9	134.4	136.2	138.1	140.3		95.1) (\$20 43.8 14 51.3) (\$ 5	5.8 148	.2 149.8	151.8	153.9	156.4	158.2	160.3	162.5	165.2	167.0		24.0	17.4	4,980.1) 3,634.3 1,345.8)
56	Total Net RevReq's (fav) unfav	77.3%	(\$172.7)	(\$2,390.6)	\$5.8	\$47.4	\$118.6	\$99.0	\$63.0	\$59.4 \$4	9.7 \$43.	2 (\$20.2)	(\$162.8)	(\$90.6)	(\$8.9)	(\$50.7)	(\$46.2)	(\$42.5)	(\$52.4)	(\$61.9)	(\$65.6)	(\$67.7)	(\$81.9)	(\$89.5) (\$58.8) (\$89.0) (\$1	03.9) (\$10	9.6) (\$110	.0) (\$127.4) (\$132.7)	(\$120.3)	(\$151.1)	(\$145.4)	(\$147.5)	\$143.3) (\$143.9) (\$	148.4) (147.2) (\$1	75.7) \$ ⁻	18.2 (\$2	2,594.2)

20210015.EI Staff Hearing Exhibits 01396 Florida Power & Light Company

Docket No. 20210015-EI

Staff's Twelfth Data Request

Request No. 4

Attachment 2 of 2

8	SolarTogether Phase 1 (1,490 MW)			Nominal		1	2	3	4	5	6	7	8	9	10	11	
9	(\$ millions)		<u>CPVRR</u>	<u>Total</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031-2056</u>
10 11 12	Discount Factor				1.01	0.93	0.87	0.80	0.75	0.69	0.64	0.60	0.55	0.51	0.48	0.44	
13	Base Revenue Requirements																
14	FPL SolarTogether Capital, O&M		\$1,839.7	\$4,677.7	\$3.5	\$70.3	\$197.9	\$206.5	\$196.0	\$187.9	\$180.8	\$175.3	\$171.0	\$167.1	\$162.7	\$158.5	\$2,800.3
15	Program Administrative Costs	_	11.5	20.3	2.3	2.1	1.8	1.7	1.1	0.7	0.4	0.3	0.3	0.3	0.3	0.3	8.5
16	Total SolarTogether Costs		1,851.1	4,698.1	5.8	72.4	199.7	208.2	197.1	188.6	181.2	175.7	171.3	167.4	163.0	158.8	2,808.8
17 18	System Impacts (Avoided Generation Capital, O&M) Total Base RevReq's (fav) unfav	-	(561.4) \$1,289.8	(1,678.2) \$3,019.9	\$5.8	(2.0) \$70.3	(14.8) \$184.9	(38.2) \$170.0	(60.4) \$136.7	(48.3) \$140.3	(47.0) \$134.2	(44.5) \$131.1	(37.4) \$133.9	(176.3) (\$8.9)	(111.1) \$51.9	(28.0) \$130.8	(1,070.0) \$1,738.8
19	Total Base RevRey's (lav) ullav		Φ1,209.0	Ф 3,019.9	ў Э.0	Φ/U. 3	ў 104. 5	Φ170.0	φ136. <i>1</i>	Φ140.3	Φ134. Z	ΦΙΟΙ. Ι	ў 133. 9	(\$0.9)	ў Э1.9	ф 130.0	Φ1,730.0
20	Clause Revenue Requirements																
21	System Net Fuel		(\$1,029.2)	(\$3,732.8)	\$0.0	(\$19.6)	(\$55.4)	(\$60.4)	(\$64.5)	(\$73.6)	(\$78.4)	(\$82.7)	(\$90.5)	(\$91.4)	(\$81.6)	(\$80.0)	(\$2,954.6)
22	Incremental Gas Transport		(389.6)	(1,622.1)	-		-	-	· -	-			(59.6)	(59.2)	(58.9)	(58.6)	(1,385.8)
23	Emissions	<u>-</u>	(94.4)	(648.8)		(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.6)	(1.0)	(2.1)	(2.2)	(3.1)	(639.7)
24	Total Clause RevReq's (fav) unfav		(\$1,513.1)	(\$6,003.7)	\$0.0	(\$19.6)	(\$55.5)	(\$60.4)	(\$64.6)	(\$73.6)	(\$78.5)	(\$83.3)	(\$151.1)	(\$152.8)	(\$142.7)	(\$141.6)	(\$4,980.1)
25	Not Devenue Deminerante (fee) unfer	-	(¢222.2)	(\$2.002.0)		650.7	6400.4	¢400.0	670 A	600.7	655.0	¢47.0	/647 O\	(¢4¢4 7)	/ ¢ 00.0\	(#40 O)	(\$2.244.2)
26	Net Revenue Requirements (fav) unfav	=	(\$223.3)	(\$2,983.8)	\$5.8	\$50.7	\$129.4	\$109.6	\$72.1	\$66.7	\$55.8	\$47.8	(\$17.2)	(\$161.7)	(\$90.8)	(\$10.8)	(\$3,241.3)
27 28																	
29	Regular Participant Subscription Charge and Credit	% of Total															
30	Subscription Charge (Revenue)	70 01 10141	(\$1,336.0)	(\$4,123.9)	\$0.0	(\$32.4)	(\$106.0)	(\$117.8)	(\$117.8)	(\$117.8)	(\$117.8)	(\$117.8)	(\$117.8)	(\$117.8)	(\$117.8)	(\$117.8)	(\$2,925.1)
31	Subscription Credits		1,383.1	4,706.1	\$0.0	\$29.0	\$95.0	\$106.9	\$108.4	\$110.2	\$111.4	\$113.0	\$114.5	\$116.4	\$117.8	\$119.4	3,564.3
32	Regular Participant Net Distribution (Payment)	21.1%	\$47.1	\$582.2	\$0.0	(\$3.4)	(\$11.1)	(\$11.0)	(\$9.5)	(\$7.7)	(\$6.4)	(\$4.9)	(\$3.3)	(\$1.4)	(\$0.1)	\$1.6	\$639.2
33		=															
34	Low Income Participant Subscription Charge and Credit																
35	Subscription Charge (Revenue)		(\$28.4)	(\$87.7)	\$0.0	(\$0.7)	(\$2.3)	(\$2.5)	(\$2.5)	(\$2.5)	(\$2.5)	(\$2.5)	(\$2.5)	(\$2.5)	(\$2.5)	(\$2.5)	(\$62.2)
36	Subscription Credits	.	32.0	98.7	\$0.0	\$0.8	\$2.5	\$2.8	\$2.8	\$2.8	\$2.8	\$2.8	\$2.8	\$2.8	\$2.8	\$2.8	70.0
37	Low Income Participant Net Distribution (Payment)	1.6%	\$3.6	\$11.0	\$0.0	\$0.1	\$0.3	\$0.3	\$0.3	\$0.3	\$0.3	\$0.3	\$0.3	\$0.3	\$0.3	\$0.3	\$7.8
38																	
39 40	Participant Subscription Charge and Credit	% of Total															
41	Subscription Charge (Revenue)	70 OI 10tai	(\$1,364.5)	(\$4,211.7)	\$0.0	(\$33.1)	(\$108.3)	(\$120.3)	(\$120.3)	(\$120.3)	(\$120.3)	(\$120.3)	(\$120.3)	(\$120.3)	(\$120.3)	(\$120.3)	(\$2,987.3)
42	Subscription Credits		1,415.1	4,804.9	-	29.7	97.5	109.7	111.2	113.0	114.2	115.8	117.4	119.3	120.6	122.2	3,634.3
43	Participant Net Distribution (Payment)	22.7%	\$50.6	\$593.2	\$0.0	(\$3.3)	(\$10.8)	(\$10.6)	(\$9.2)	(\$7.3)	(\$6.1)	(\$4.6)	(\$3.0)	(\$1.1)	\$0.2	\$1.9	\$647.0
44		=															
45	Revenue Requirements																
46	Base	% of Total															
47	Total Base RevReq's		\$1,289.8	\$3,019.9	\$5.8	\$70.3	\$184.9	\$170.0	\$136.7	\$140.3	\$134.2	\$131.1	\$133.9	(\$8.9)	\$51.9	\$130.8	\$1,738.8
48	Participant Subscription (Revenue)	105.79%	(1,364.5)	(4,211.7)	-	(33.1)	(108.3)	(120.3)	(120.3)	(120.3)	(120.3)	(120.3)	(120.3)	(120.3)	(120.3)	(120.3)	(2,987.3)
49 50	Net Base RevReq's (fav) unfav	-5.79%	(\$74.7)	(\$1,191.8)	\$5.8	\$37.2	\$76.6	\$49.7	\$16.4	\$20.0	\$13.9	\$10.8	\$13.5	(\$129.2)	(\$68.4)	\$10.5	(\$1,248.5)
50 51	Clause	% of Total															
52	Total Clause RevReq's (fav) unfav	70 OI 10tal	(\$1,513.1)	(\$6,003.7)	\$0.0	(\$19.6)	(\$55.5)	(\$60.4)	(\$64.6)	(\$73.6)	(\$78.5)	(\$83.3)	(\$151.1)	(\$152.8)	(\$142.7)	(\$141.6)	(\$4,980.1)
53	Participant Credits	93.52%	1,415.1	4,804.9	φυ.υ -	29.7	(ψ33.5) 97.5	109.7	111.2	113.0	114.2	115.8	(Ψ131.1) 117.4	119.3	120.6	122.2	3,634.3
54	Net Clause RevReg's (fav) unfav	6.48%	(\$98.0)	(\$1,198.8)	\$0.0	\$10.2	\$42.1	\$49.3	\$46.6	\$39.4	\$35.8	\$32.5	(\$33.8)	(\$33.6)	(\$22.1)	(\$19.4)	(\$1,345.8)
55														•			
56	Total Net RevReq's (fav) unfav	77.3%	(\$172.7)	(\$2,390.6)	\$5.8	\$47.4	\$118.6	\$99.0	\$63.0	\$59.4	\$49.7	\$43.2	(\$20.2)	(\$162.8)	(\$90.6)	(\$8.9)	(\$2,594.2)

DECLARATION

I, Scott R. Bores, sponsored the answer to Data Request No. 4, and co-

sponsored the answers to Data Request Nos. 1-3 from Staff's Twelfth 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: 9/14/2021

DECLARATION

I, Steven R. Sim, co-sponsored the answers to Data Request Nos. 1-3 from Staff's Twelfth 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: 9/14/2021