

State of Florida



Public Service Commission

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

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

DATE: May 21, 2019
TO: Adam Teitzman, Commission Clerk, Office of Commission Clerk
FROM: Doug Wright, Engineering Specialist, Division of Engineering *SCD POT*
RE: Docket No. 20190000-OT - Undocketed filings for 2019.

Please file the attached, "FPL errata corrections to Schedule 8 on page 120, Schedule 8 on page 121, Schedule 9 on page 152, Schedule 11.1 on page 180, and IV.F and IV.F.1 on page 190 – FPL's Ten-Year Site Plan," in the above mentioned docket file.

Thank you.

DW/pz

Attachment



William P. Cox
Senior Attorney
Florida Power & Light Company
700 Universe Boulevard
Juno Beach, Florida 33408-0420
(561) 304-5662
(561) 691-7135 (Facsimile)
Email: will.p.cox@fpl.com

May 10, 2019

-VIA ELECTRONIC FILING-

Adam Teitzman
Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

**RE: Florida Power & Light Company's 2019 Ten Year Power Plant Site Plan Errata
Docket 20190000-OT (Undocketed filings for 2019)**

Dear Mr. Teitzman:

Please find enclosed for electronic filing Florida Power & Light Company's 2019 Ten Year Power Plant Site Plan Errata reflecting corrected information for Schedule 8 on page 120, Schedule 8 on page 121, Schedule 9 on page 152, Schedule 11.1 on page 180, and IV.F and IV.F.1 on page 190. Corrections are included in red font.

If there are any questions regarding this transmittal, please contact me at (561)304-5662.

Sincerely,

/s/ William P. Cox
William P. Cox
Senior Attorney
Fla. Bar No. 00093531

Enclosure

cc: Douglas Wright / Philip Ellis, Division of Engineering
7279512

**Schedule 8
Planned And Prospective Generating Facility Additions And Changes ⁽¹⁾**

Plant Name	Unit No.	Location	Unit Type	Fuel				Const. Start Mo./Yr.	Comm. In-Service Mo./Yr.	Expected Retirement Mo./Yr.	Gen. Max. Nameplate KW	Firm		Status
				Pri.	Alt.	Pri.	Alt.					Winter MW	Summer MW	
ADDITIONS/ CHANGES														
2019														
Sunshine Gateway Solar ⁽³⁾	1	Columbia County	PV Solar Solar	N/A	N/A	-	-	Jan-19	Unknown	74,500	-	41	OP	
Miami Dade Solar ⁽³⁾	1	Miami-Dade County	PV Solar Solar	N/A	N/A	-	-	Jan-19	Unknown	74,500	-	41	OP	
Interstate Solar ⁽³⁾	1	St. Lucie County	PV Solar Solar	N/A	N/A	-	-	Jan-19	Unknown	74,500	-	41	OP	
Pioneer Trail Solar ⁽²⁾	1	Volusia County	PV Solar Solar	N/A	N/A	-	-	Jan-19	Unknown	74,500	-	41	OP	
Sanford	5	Volusia County	CC NG	No	PL	No	-	Apr-19	Unknown	1,188,860	-	159	OP	
West County	2	Palm Beach County	CC NG	FO2	PL	TK	-	Apr-19	Unknown	1,336,800	-	22	OP	
Okeechobee Clean Energy Center	1	Okeechobee County	CC NG	FO2	PL	TK	Jun-17	Mar-19	Unknown	-	-	1,778	P	
Fort Myers	2	Lee County	CC NG	No	PL	No	-	May-19	Unknown	1,721,490	-	199	OP	
Turkey Point	5	Miami Dade County	CC NG	FO2	PL	TK	-	May-19	Unknown	1,224,510	-	23	OP	
West County	2	Palm Beach County	CC NG	FO2	PL	TK	-	May-19	Unknown	1,336,800	-	43	OP	
Sanford	4	Volusia County	CC NG	No	PL	No	-	Jun-19	Unknown	1,188,860	-	148	OP	
Turkey Point	5	Miami Dade County	CC NG	FO2	PL	TK	-	Jun-19	Unknown	1,224,510	-	23	OP	
Fort Myers	2	Lee County	CC NG	No	PL	No	-	Aug-19	Unknown	1,721,490	-	40	OP	
2019 Changes/Additions Total:											0	2,800		
2020														
Sanford	5	Volusia County	CC NG	No	PL	No	-	Apr-19	Unknown	1,188,860	64	-	OP	
West County	2	Palm Beach County	CC NG	FO2	PL	TK	-	Apr-19	Unknown	1,336,800	20	-	OP	
Okeechobee Clean Energy Center	1	Okeechobee County	CC NG	FO2	PL	TK	Jun-17	Apr-19	Unknown	-	1,752	-	P	
Fort Myers	2	Lee County	CC NG	No	PL	No	-	May-19	Unknown	1,721,490	35	-	OP	
West County	2	Palm Beach County	CC NG	FO2	PL	TK	-	May-19	Unknown	1,336,800	40	-	OP	
Sanford	4	Volusia County	CC NG	No	PL	No	-	Dec-19	Unknown	1,188,860	41	-	OP	
Fort Myers	2	Lee County	CC NG	No	PL	No	-	Aug-19	Unknown	1,721,490	7	-	OP	
Cape Canaveral Energy Center	3	Brevard County	CC NG	FO2	PL	TK	-	Nov-19	Unknown	1,295,400	15	33	OP	
Manatee	3	Manatee County	CC NG	No	PL	No	-	Nov-19	Unknown	612,000	-	116	OP	
Turkey Point	5	Miami Dade County	CC NG	FO2	PL	TK	-	Dec-19	Unknown	1,224,510	34	40	OP	
Northern Preserve Solar ⁽³⁾	1	Baker County	PV Solar Solar	N/A	N/A	-	-	Jan-20	Unknown	74,500	-	41	P	
Twin Lakes Solar ⁽³⁾	1	Putnam County	PV Solar Solar	N/A	N/A	-	-	Jan-20	Unknown	74,500	-	41	P	
Cattle Ranch Solar ⁽³⁾	1	DeSoto County	PV Solar Solar	N/A	N/A	-	-	Jan-20	Unknown	74,500	-	41	P	
Sweetbay Solar ⁽³⁾	1	Marin County	PV Solar Solar	N/A	N/A	-	-	Jan-20	Unknown	74,500	-	41	P	
Babcock Preserve Solar ⁽³⁾	1	Charlotte County	PV Solar Solar	N/A	N/A	-	-	Jan-20	Unknown	74,500	-	41	P	
Blue Heron Solar ⁽³⁾	1	Hendry County	PV Solar Solar	N/A	N/A	-	-	Jan-20	Unknown	74,500	-	41	P	
Hibiscus Solar ⁽³⁾	1	Palm Beach County	PV Solar Solar	N/A	N/A	-	-	Apr-20	Unknown	74,500	-	41	P	
Southfork Solar ⁽³⁾	1	Manatee County	PV Solar Solar	N/A	N/A	-	-	Apr-20	Unknown	74,500	-	41	P	
Echo River Solar ⁽³⁾	1	Stovannee County	PV Solar Solar	N/A	N/A	-	-	Apr-20	Unknown	74,500	-	41	P	
Okeechobee Solar ⁽³⁾	1	Okeechobee Manatee County	PV Solar Solar	N/A	N/A	-	-	Apr-20	Unknown	74,500	-	41	P	
Solar Degradation ⁽³⁾	N/A	N/A	N/A	N/A	N/A	N/A	-	N/A	N/A	N/A	-	(2)	OT	
2020 Changes/Additions Total:											1,998	600		

(1) Schedule 8 shows only planned and prospective changes to FPL generating facilities and does not reflect changes to purchases. Changes to purchases are reflected on Tables ES-1, LB.1 and LB.2.
 (2) The Winter Total MW value consists of all generation additions and changes achieved by January. The Summer Total MW value consists of all generation additions and changes achieved by August. All MW additions/changes occurring after August each year will be accounted for in reserve margin calculations in the following year. MW Difference in Changes/Additions Total due to rounding.
 (3) Solar MW values reflect firm capacity only values, not nameplate ratings and FPL currently assumes 0.3% degradation annually for PV output. Solar degradation for existing solar facilities is accounted for in Schedule 1.

**Schedule 8
Planned And Prospective Generating Facility Additions And Changes ⁽¹⁾**

(2) Plant Name	(3) Location	(4) Unit Type	(5) Fuel Pri.	(6) Fuel Alt.	(7) Fuel Pri.	(8) Fuel Alt.	(9) Const. Start Mo./Yr.	(10) Comm. In-Service Mo./Yr.	(11) Expected Retirement Mo./Yr.	(12) Gen. Max Nameplate KW	(13) Firm Net Capacity ⁽²⁾		(14) Status
											Winter MW	Summer MW	
ADDITIONS/ CHANGES													
2019													
Sunshine Gateway Solar ⁽³⁾	Columbia County	PV Solar	N/A	N/A	-	-	Jan-18	Unknown	74,500	-	41	OP	
Miami Dade Solar ⁽³⁾	Miami-Dade County	PV Solar	N/A	N/A	-	-	Jan-19	Unknown	74,500	-	41	OP	
Interstate Solar ⁽³⁾	St. Lucie County	PV Solar	N/A	N/A	-	-	Jan-19	Unknown	74,500	-	41	OP	
Pioneer Trail Solar ⁽³⁾	Volusia County	PV Solar	N/A	N/A	-	-	Jan-19	Unknown	74,500	-	41	OP	
Sanford	Volusia County	CC NG	PL	No	-	-	Apr-19	Unknown	1,188,860	-	159	OP	
West County	Palm Beach County	CC NG	FO2	PL	TK	-	Apr-19	Unknown	1,336,800	-	22	OP	
Okalochee Clean Energy Center	Okalochee County	CC NG	FO2	PL	TK	Jun-17	Mar-19	Unknown	-	-	1,778	P	
Fort Myers	Lee County	CC NG	No	PL	No	-	May-19	Unknown	1,721,490	-	159	OP	
Turkey Point	Miami Dade County	CC NG	FO2	PL	TK	-	May-19	Unknown	1,224,510	-	23	OP	
West County	Palm Beach County	CC NG	FO2	PL	TK	-	May-19	Unknown	1,336,800	-	43	OP	
Sanford	Volusia County	CC NG	No	PL	No	-	Jun-19	Unknown	1,188,860	-	148	OP	
Turkey Point	Miami Dade County	CC NG	FO2	PL	TK	-	Jun-19	Unknown	1,224,510	-	23	OP	
Fort Myers	Lee County	CC NG	No	PL	No	-	Aug-19	Unknown	1,721,490	-	40	OP	
2019 Changes/Additions Total:											0	2,600	
2020													
Sanford	Volusia County	CC NG	No	PL	No	-	Apr-19	Unknown	1,188,860	54	-	OP	
West County	Palm Beach County	CC NG	FO2	PL	TK	-	Apr-19	Unknown	1,336,800	20	-	OP	
Okalochee Clean Energy Center	Okalochee County	CC NG	FO2	PL	TK	Jun-17	Apr-19	Unknown	-	1,752	-	P	
Fort Myers	Lee County	CC NG	No	PL	No	-	May-19	Unknown	1,721,490	35	-	OP	
West County	Palm Beach County	CC NG	FO2	PL	TK	-	May-19	Unknown	1,336,800	40	-	OP	
Sanford	Volusia County	CC NG	No	PL	No	-	Dec-19	Unknown	1,188,860	41	-	OP	
Fort Myers	Lee County	CC NG	No	PL	No	-	Aug-19	Unknown	1,721,490	7	-	OP	
Cape Cameron Energy Center	Brevard County	CC NG	FO2	PL	TK	-	Nov-19	Unknown	1,295,600	15	33	OP	
Manatee	Manatee County	CC NG	No	PL	No	-	Nov-19	Unknown	612,000	-	118	OP	
Turkey Point	Miami Dade County	CC NG	FO2	PL	TK	-	Dec-19	Unknown	1,224,510	34	40	OP	
Northern Preserve Solar ⁽³⁾	Baker County	PV Solar	N/A	N/A	-	-	Jan-20	Unknown	74,500	-	41	P	
Twin Lakes Solar ⁽³⁾	Putnam County	PV Solar	N/A	N/A	-	-	Jan-20	Unknown	74,500	-	41	P	
Cattle Ranch Solar ⁽³⁾	Desoto County	PV Solar	N/A	N/A	-	-	Jan-20	Unknown	74,500	-	41	P	
Sweetbay Solar ⁽³⁾	Martin County	PV Solar	N/A	N/A	-	-	Jan-20	Unknown	74,500	-	41	P	
Babcock Preserve Solar ⁽³⁾	Charlotte County	PV Solar	N/A	N/A	-	-	Jan 20	Unknown	74,500	-	41	P	
Blue Heron Solar ⁽³⁾	Hendry County	PV Solar	N/A	N/A	-	-	Jan-20	Unknown	74,500	-	41	P	
Hibiscus Solar ⁽³⁾	Palm Beach County	PV Solar	N/A	N/A	-	-	Apr-20	Unknown	74,500	-	41	P	
Southfork Solar ⁽³⁾	Manatee County	PV Solar	N/A	N/A	-	-	Apr-20	Unknown	74,500	-	41	P	
Echo River Solar ⁽³⁾	Suwannee County	PV Solar	N/A	N/A	-	-	Apr-20	Unknown	74,500	-	41	P	
Okalochee Solar ⁽³⁾	Okalochee Manatee County	PV Solar	N/A	N/A	-	-	Apr-20	Unknown	74,500	-	41	P	
Solar Degradation ⁽³⁾	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-	(2)	OT	
2020 Changes/Additions Total:											1,993	600	

(1) Schedule 8 shows only planned and prospective changes to FPL generating facilities and does not reflect changes to purchases. Changes to purchases are reflected on Tables ES-1, LB.1 and LB.2.
 (2) The Winter Total MW value consists of all generation additions and changes achieved by January. The Summer Total MW value consists of all generation additions and changes achieved by August. All MW additions/changes occurring after August each year will be accounted for in reserve margin calculations in the following year. MW Difference in Changes/Additions Total due to rounding.
 (3) Solar MW values reflect firm capacity only values, not nameplate ratings and FPL currently assumes 0.3% degradation annually for PV output. Solar degradation for existing solar facilities is accounted for in Schedule 1.

**Schedule 8
Planned And Prospective Generating Facility Additions And Changes ⁽¹⁾**

Plant Name	(2) Unit No.	(3) Location	(4) Unit Type	Fuel				(9) Const Start Mo./Yr.	(10) Comm. In-Service Mo./Yr.	(11) Expected Retirement Mo./Yr.	(12) Gen. Max. Nameplate KW	Firm Net Capacity ⁽²⁾		(15) Status	
				(5) Pri.	(6) Alt.	(7) Pri.	(8) Alt.					(13) Winter MW	(14) Summer MW		
															Nuc
ADDITIONS/ CHANGES															
2021															
Turkey Point Solar PV ⁽³⁾	4	Miami Dade County	ST	Nuc	No	TK	No	-	Oct-20	Unknown	677,200	20	20	OP	
West County Solar Degradation ⁽⁴⁾	3	Palm Beach County	PV	Solar	Solar	NA	NA	-	4th Q 2020	Unknown	1,338,800	-	248	P	
	NA	NA	NA	NA	NA	NA	NA	-	NA	NA	NA	-	(3)	OT	
2021 Changes/Additions Total:													20	258	
2022															
West County	3	Palm Beach County	CC	NG	FO2	PL	TK	-	May-21	Unknown	1,338,800	20	-	OP	
Manatee Retirement	1	Manatee County	ST	NG	FO6	PL	WA	-	Oct-78	4th Q 2021	663,300	(819)	(809)	P	
Manatee Retirement	2	Manatee County	ST	NG	FO6	PL	WA	-	Dec-77	4th Q 2021	663,300	(819)	(809)	P	
Battery Storage	1	Manatee County	BS	N/A	N/A	N/A	N/A	-	4th Q 2021	Unknown		469	469	P	
Solar PV ⁽³⁾		Unknown	PV	Solar	Solar	NA	NA	-	1st Q 2022	Unknown		-	449	P	
Dania Beach Clean Energy Center	7	Broward County	CC	NG	FO2	PL	WA	-	Jun-22	Unknown		-	1,163	P	
Solar Degradation ⁽⁴⁾	NA	NA	NA	NA	NA	NA	NA	-	NA	NA	NA	-	(4)	OT	
2022 Changes/Additions Total:													(1,149)	459	
2023															
Dania Beach Clean Energy Center	7	Broward County	CC	NG	FO2	PL	WA	-	Jun-22	Unknown		1,178	-	P	
Solar PV ⁽³⁾		Unknown	PV	Solar	Solar	NA	NA	-	1 st Q 2023	Unknown		-	347	P	
Solar Degradation ⁽⁴⁾	NA	NA	NA	NA	NA	NA	NA	-	NA	NA	NA	-	(5)	OT	
2023 Changes/Additions Total:													1,178	342	
2024															
Solar PV ⁽³⁾		Unknown	PV	Solar	Solar	NA	NA	-	1 st Q 2024	Unknown		-	269	P	
Solar Degradation ⁽⁴⁾	NA	NA	NA	NA	NA	NA	NA	-	NA	NA	NA	-	(5)	OT	
2024 Changes/Additions Total:													0	269	
2025															
Solar PV ⁽³⁾		Unknown	PV	Solar	Solar	NA	NA	-	1 st Q 2025	Unknown		-	405	P	
Solar Degradation ⁽⁴⁾	NA	NA	NA	NA	NA	NA	NA	-	NA	NA	NA	-	(7)	OT	
2025 Changes/Additions Total:													0	398	
2026															
United Combined Cycle		Unknown	CC	NG	FO2	PL	WA	-	Jun-28	Unknown		-	1,888	P	
Solar Degradation ⁽⁴⁾	NA	NA	NA	NA	NA	NA	NA	-	NA	NA	NA	-	(8)	OT	
2026 Changes/Additions Total:													0	1,878	
2027															
United Combined Cycle		Unknown	CC	NG	FO2	PL	WA	-	Jun-28	Unknown		1,880	-	P	
Solar PV ⁽³⁾		Unknown	PV	Solar	Solar	NA	NA	-	1 st Q 2027	Unknown		-	347	P	
Solar Degradation ⁽⁴⁾	NA	NA	NA	NA	NA	NA	NA	-	NA	NA	NA	-	(5)	OT	
2027 Changes/Additions Total:													1,880	339	
2028															
Solar PV ⁽³⁾		Unknown	PV	Solar	Solar	NA	NA	-	1 st Q 2028	Unknown		-	321	P	
Solar Degradation ⁽⁴⁾	NA	NA	NA	NA	NA	NA	NA	-	NA	NA	NA	-	(9)	OT	
2028 Changes/Additions Total:													0	312	

(1) Schedule 8 shows only planned and prospective changes to generating facilities and does not reflect changes to existing purchases. These changes are reflected on Tables ES-1, LB.1 and LB.2.
 (2) The Winter Total MW value consists of all generation additions and changes achieved by January. The Summer Total MW value consists of all generation additions and changes achieved by June. All MW additions/changes occurring after August each year will be accounted for in reserve margin calculations in the following year. MW Difference in Changes/Additions Total due to rounding.
 (3) Solar values reflect firm capacity only values, not nameplate ratings and FPL currently assumes 0.3% degradation annually for PV output.
 (4) Solar PV MW values, and timing of those MW, presented in this table are subject to change based on the outcome of FPL's petition for FPL's Solar Together Program. Please see Chapter III for more information.

Schedule 9
Status Report and Specifications of Proposed Generating Facilities

- (1) **Plant Name and Unit Number:** Unsited 3x1 Combined Cycle
- (2) **Capacity**
a. Summer 1,886 MW
b. Winter 1,880 MW
- (3) **Technology Type:** Combined Cycle
- (4) **Anticipated Construction Timing**
a. Field construction start-date: 2024
b. Commercial In-service date: 2026
- (5) **Fuel**
a. Primary Fuel Natural Gas
b. Alternate Fuel Ultra-low sulfur distillate
- (6) **Air Pollution and Control Strategy:** Dry Low NO_x Burners, SCR, Natural Gas, 0.0015% S. Distillate and Water Injection
- (7) **Cooling Method:** Mechanical Draft Cooling Towers
- (8) **Total Site Area:** TBD Acres
- (9) **Construction Status:** P (Planned Unit)
- (10) **Certification Status:** ---
- (11) **Status with Federal Agencies:** ---
- (12) **Projected Unit Performance Data:**
Planned Outage Factor (POF): 3.5%
Forced Outage Factor (FOF): 1.0%
Equivalent Availability Factor (EAF): 95.5%
Resulting Capacity Factor (%): Approx. 80% (First Full Year Base Operation)
Average Net Operating Heat Rate (ANOHR): 6,134
Base Operation 75F, 100%
Average Net Incremental Heat Rate (ANIHR) 8,045
Wet Compression 75F, 100%
- (13) **Projected Unit Financial Data *,****
Book Life (Years): 40 years
Total Installed Cost (2026 \$/kW): 674
Direct Construction Cost (2026 \$/kW): 606
AFUDC Amount (2026 \$/kW): 68
Escalation (\$/kW): Accounted for in Direct Construction Cost
Fixed O&M (2026 \$/kW-Yr.): 23.04
Variable O&M (2026 \$/MWH): 0.17
K Factor: 1.53

* \$/kW values are based on Summer capacity.

** Levelized value for Fixed O&M also includes Capital Replacement

Note: Total installed cost includes transmission interconnection and integration, escalation, and AFUDC.

Schedule 9
Status Report and Specifications of Proposed Generating Facilities

- (1) **Plant Name and Unit Number:** Unsited 3x1 Combined Cycle
- (2) **Capacity**
a. Summer 1,886 MW
b. Winter 1,880 MW
- (3) **Technology Type:** Combined Cycle
- (4) **Anticipated Construction Timing**
a. Field construction start-date: 2024
b. Commercial in-service date: 2026
- (5) **Fuel**
a. Primary Fuel Natural Gas
b. Alternate Fuel Ultra-low sulfur distillate
- (6) **Air Pollution and Control Strategy:** Dry Low NO_x Burners, SCR, Natural Gas, 0.0015% S. Distillate and Water Injection
- (7) **Cooling Method:** Mechanical Draft Cooling Towers
- (8) **Total Site Area:** TBD Acres
- (9) **Construction Status:** P (Planned Unit)
- (10) **Certification Status:** ---
- (11) **Status with Federal Agencies:** ---
- (12) **Projected Unit Performance Data:**
Planned Outage Factor (POF): 3.5%
Forced Outage Factor (FOF): 1.0%
Equivalent Availability Factor (EAF): 95.5%
Resulting Capacity Factor (%): Approx. 80% (First Full Year Base Operation)
Average Net Operating Heat Rate (ANOHR) 6,134
Base Operation 75F,100%
Average Net Incremental Heat Rate (ANIHR) 8,045
Wet Compression 75F,100%
- (13) **Projected Unit Financial Data *,****
Book Life (Years): 40 years
Total Installed Cost (2026 \$/kW): 674
Direct Construction Cost (2026 \$/kW): 606
AFUDC Amount (2026 \$/kW): 68
Escalation (\$/kW): Accounted for in Direct Construction Cost
Fixed O&M (2026 \$/kW-Yr.): 23.04
Variable O&M (2026 \$/MWH): 0.17
K Factor: 1.53

* \$/kW values are based on Summer capacity.

** Levelized value for Fixed O&M also includes Capital Replacement

Note: Total installed cost includes transmission interconnection and integration, escalation, and AFUDC.

Schedule 11.1

Existing Firm and Non-Firm Capacity and Energy by Primary Fuel Type
Actuals for the Year 2018

	(1) Generation by Primary Fuel	(3) Net (MW) Capability				(6) NEL GWh ⁽²⁾	(7) Fuel Mix %
		(2) Summer (MW)	(3) Summer (%)	(4) Winter (MW)	(5) Winter (%)		
(1)	Coal	634	2.6%	635	2.4%	2,586	2.1%
(2)	Nuclear	3,479	14.0%	3,570	13.6%	28,176	23.0%
(3)	Residual	0	0.0%	0	0.0%	248	0.2%
(4)	Distillate	108	0.4%	123	0.5%	129	0.1%
(5)	Natural Gas	19,297	77.8%	20,680	78.6%	91,213	74.5%
(6)	Solar (Firm & Non-Firm)	855	3.4%	855	3.2%	1,887	1.5%
(7)	FPL Existing Units Total ⁽¹⁾ :	24,373	98.2%	25,862	98.3%	124,240	101.5%
(8)	Renewables (Purchases)- Firm	114.0	0.5%	114.0	0.5%	892	0.7%
(9)	Renewables (Purchases)- Non-Firm	Not Applicable	---	Not Applicable	---	195	0.2%
(10)	Renewable Total:	114.0	0.5%	114.0	0.5%	1,087	0.89%
(11)	Purchases Other / (Sales) :	330.0	1.3%	330.0	1.3%	(2,880)	-2.4%
(12)	Total :	24,816.7	100.0%	26,306.1	100.0%	122,447	100.0%

Note:

- (1) FPL Existing Units Total values on row (7), columns (2) and (4), match the Total System Generating Capacity values found on Schedule 1 for Summer and Winter.
- (2) Net Energy for Load GWh values on row (12), column (6), matches Schedule 6.1 value for 2018.

Schedule 11.1

**Existing Firm and Non-Firm Capacity and Energy by Primary Fuel Type
Actuals for the Year 2018**

	(1) Generation by Primary Fuel	(3) Net (MW) Capability				(6) NEL GWh ⁽²⁾	(7) Fuel Mix %
		(2) Summer (MW)	(3) Summer (%)	(4) Winter (MW)	(5) Winter (%)		
(1)	Coal	834	2.6%	835	2.4%	2,586	2.1%
(2)	Nuclear	3,479	14.0%	3,570	13.6%	28,176	23.0%
(3)	Residual	0	0.0%	0	0.0%	248	0.2%
(4)	Distillate	108	0.4%	123	0.5%	129	0.1%
(5)	Natural Gas	19,297	77.8%	20,680	78.6%	91,213	74.5%
(6)	Solar (Firm & Non-Firm)	855	3.4%	855	3.2%	1,887	1.5%
(7)	FPL Existing Units Total ⁽¹⁾ :	24,373	98.2%	25,862	98.3%	124,240	101.5%
(8)	Renewables (Purchases)- Firm	114.0	0.5%	114.0	0.5%	892	0.7%
(9)	Renewables (Purchases)- Non-Firm	Not Applicable	---	Not Applicable	---	195	0.2%
(10)	Renewable Total:	114.0	0.5%	114.0	0.5%	1,087	0.89%
(11)	Purchases Other / (Sales) :	330.0	1.3%	330.0	1.3%	(2,880)	-2.4%
(12)	Total:	24,816.7	100.0%	26,306.1	100.0%	122,447	100.0%

Note:

- (1) FPL Existing Units Total values on row (7), columns (2) and (4), match the Total System Generating Capacity values found on Schedule 1 for Summer and Winter.
- (2) Net Energy for Load GWh values on row (12), column (6), matches Schedule 6.1 value for 2018.

IV.F Preferred and Potential Sites

Based upon its projection of future resource needs, FPL has currently identified 27 Preferred Sites and 4 Potential Sites for adding future generation. Some of these sites currently have existing generation. Preferred Sites are those locations where FPL has conducted significant reviews and has either taken action, is committed to take action, or is likely to take action to site new generation. Potential Sites are those with attributes that would support the siting of generation and are under consideration as a location for future generation. The identification of a Potential Site does not necessarily indicate that FPL has made a definitive decision to pursue new generation (or generation expansion or modernization in the case of an existing generation site) at that location, nor does this designation necessarily indicate the that size or technology of a generating resource has been determined. The Preferred Sites and Potential Sites are discussed in separate sections below.

IV.F.1 Preferred Sites

For the 2019 Ten Year Site Plan, FPL has identified 27 Preferred Sites. These include a combination of existing and new sites for the development of solar generation facilities, natural gas combined cycle units, and/or nuclear generation. Sites for a number of solar additions in 2020 have been selected, and these sites are described in this section. Potential sites for possible 2021-on solar additions, plus other types of generation for which sites have been selected, are discussed in the Potential Site section later in this chapter.

These 27 Preferred Sites are presented on the following pages in general chronological order of when resources are projected to be added to the FPL system. In regard to the solar sites discussed below, the ~~first four~~seventh through tenth sites are associated with the Solar Base Rate Adjustment (SoBRA) recovery mechanism approved in FPL's last base rate case. The remaining solar sites are associated with the new SolarTogether program. FPL filed for FPSC approval for the SolarTogether program shortly before this 2019 Site Plan was filed.

In the discussion of each site, the geological features of each site and adjacent area maps are provided as the first two Figures at the end of this chapter. These two Figures are titled Relationship of Regional Hydrogeologic Units to Major Stratigraphic Units, and Florida Regions, respectively.

IV.F Preferred and Potential Sites

Based upon its projection of future resource needs, FPL has currently identified 27 Preferred Sites and 4 Potential Sites for adding future generation. Some of these sites currently have existing generation. Preferred Sites are those locations where FPL has conducted significant reviews and has either taken action, is committed to take action, or is likely to take action to site new generation. Potential Sites are those with attributes that would support the siting of generation and are under consideration as a location for future generation. The identification of a Potential Site does not necessarily indicate that FPL has made a definitive decision to pursue new generation (or generation expansion or modernization in the case of an existing generation site) at that location, nor does this designation necessarily indicate the that size or technology of a generating resource has been determined. The Preferred Sites and Potential Sites are discussed in separate sections below.

IV.F.1 Preferred Sites

For the 2019 Ten Year Site Plan, FPL has identified 27 Preferred Sites. These include a combination of existing and new sites for the development of solar generation facilities, natural gas combined cycle units, and/or nuclear generation. Sites for a number of solar additions in 2020 have been selected, and these sites are described in this section. Potential sites for possible 2021-on solar additions, plus other types of generation for which sites have been selected, are discussed in the Potential Site section later in this chapter.

These 27 Preferred Sites are presented on the following pages in general chronological order of when resources are projected to be added to the FPL system. In regard to the solar sites discussed below, the seventh through tenth sites are associated with the Solar Base Rate Adjustment (SoBRA) recovery mechanism approved in FPL's last base rate case. The remaining solar sites are associated with the new SolarTogether program. FPL filed for FPSC approval for the SolarTogether program shortly before this 2019 Site Plan was filed.

In the discussion of each site, the geological features of each site and adjacent area maps are provided as the first two Figures at the end of this chapter. These two Figures are titled Relationship of Regional Hydrogeologic Units to Major Stratigraphic Units, and Florida Regions, respectively.