



2019 Regional Load & Resource Plan FRCC-MS-PL-270 Version: 1

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**FLORIDA RELIABILITY COORDINATING COUNCIL
2019
REGIONAL LOAD & RESOURCE PLAN
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Introduction

FRCC Regional Load & Resource Plan

The Florida Reliability Coordinating Council (FRCC) annual Regional Load & Resource Plan (L&RP) is a collection of historical and forecasted planning information from electric utilities within the FRCC Region and the State of Florida. Data provided by the electric utilities is reflective of data contained in each of their annual Ten Year Site Plan (TYSP) and/or their internal integrated resource planning documents. Section 186.801(1) of the Florida Statutes requires each electric utility within the State of Florida to submit to the Florida Public Service Commission (FPSC) a TYSP that estimates its power-generating needs and the general location of proposed power plant sites¹. The Statute also states “TYSP shall be reviewed and submitted not less frequently than every 2 years”.

There are three components to the L&RP: the Regional section, the State section, and the Merchant section. The Regional and State sections of the L&RP are developed from data collected from the FRCC Load and Resource Database (LRDB). Since Merchants within the FRCC do not have access to the LRDB portal, FRCC Staff collects information from Merchants through an Excel workbook survey.

The L&RP is reviewed by the FRCC Resource Subcommittee (RS), FRCC Transmission Technical Subcommittee (TTS), FRCC Load Forecasting Working Group (LFWG), and the FRCC LRDB users group before it is finalized. FRCC Staff mails copies of the L&RP to the FPSC each year as well as members of certain FRCC committees, subcommittees, working groups, and user groups. The Plan is also posted to the FRCC website.

A high-level summary of information contained in each year's Plan is presented by the FRCC to the FPSC at its annual TYSP Workshop (at a minimum) and is usually expanded to include other items of interest to the Commission. The Workshop is usually scheduled during the month of September each year.

Annual reports that are compiled (in part or whole) from data extracted from the L&RP are the EIA 411 Survey, the FRCC Load & Resource Reliability Assessment Report to the FPSC, and FRCC submissions to NERC including the FRCC Summer Assessments, the FRCC Winter Assessment, and the FRCC Long-Term Reliability Assessment. As new standards are developed, data extracted from the L&RP may be used to compile other reports to fulfill new requirements.

¹ Some exemptions apply. Refer to FPSC Rule 25-22.071 (Submission and Review of the Ten-Year Site Plans).

FLORIDA RELIABILITY COORDINATING COUNCIL

2019

REGIONAL LOAD & RESOURCE PLAN

**2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL
HISTORY AND FORECAST**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
SUMMER PEAK DEMAND (MW)					WINTER PEAK DEMAND (MW)					ENERGY		
YEAR	ACTUAL PEAK DEMAND (MW)				YEAR	ACTUAL PEAK DEMAND (MW)				YEAR	NET ENERGY FOR LOAD (GWH)	LOAD FACTOR (%)
2009	46,260				2009 / 10	51,767				2009	225,964	55.8%
2010	45,564				2010 / 11	45,876				2010	233,158	51.4%
2011	44,777				2011 / 12	38,318				2011	223,875	55.7%
2012	43,946				2012 / 13	36,733				2012	220,875	57.4%
2013	44,549				2013 / 14	38,842				2013	221,564	56.8%
2014	45,794				2014 / 15	42,597				2014	224,724	56.0%
2015	45,716				2015 / 16	37,881				2015	234,434	58.5%
2016	47,660				2016 / 17	36,309				2016	232,519	55.7%
2017	46,471				2017 / 18	42,877				2017	230,826	56.7%
2018	45,327				2018 / 19	42,141				2018	235,110	59.2%
YEAR	TOTAL PEAK DEMAND (MW)	INTER- RUPTIBLE LOAD (MW)	LOAD MANAGE- MENT (MW)	NET FIRM PEAK DEMAND (MW)	YEAR	TOTAL PEAK DEMAND (MW)	INTER- RUPTIBLE LOAD (MW)	LOAD MANAGE- MENT (MW)	NET FIRM PEAK DEMAND (MW)	YEAR	NET ENERGY FOR LOAD (GWH)	LOAD FACTOR (%)
2019	47,670	507	2,444	44,719	2019 / 20	43,962	485	2,402	41,075	2019	233,902	56.0%
2020	48,139	593	2,511	45,035	2020 / 21	43,770	532	2,446	40,792	2020	236,371	56.1%
2021	48,675	592	2,561	45,522	2021 / 22	45,194	530	2,489	42,175	2021	237,957	55.8%
2022	49,161	593	2,611	45,957	2022 / 23	45,049	530	2,531	41,988	2022	239,284	55.6%
2023	49,663	592	2,661	46,410	2023 / 24	45,860	528	2,574	42,758	2023	240,464	55.3%
2024	50,315	590	2,710	47,015	2024 / 25	46,056	528	2,621	42,907	2024	242,808	55.1%
2025	50,924	590	2,758	47,576	2025 / 26	46,711	527	2,663	43,521	2025	244,425	54.8%
2026	51,600	589	2,806	48,205	2026 / 27	47,183	527	2,706	43,950	2026	246,526	54.5%
2027	52,333	589	2,851	48,893	2027 / 28	47,603	527	2,750	44,326	2027	248,797	54.3%
2028	53,033	589	2,899	49,545	2028 / 29	48,194	527	2,794	44,873	2028	251,295	54.1%

NOTE: FORECASTED SUMMER AND WINTER DEMANDS ARE NON-COINCIDENT.

2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL
FRCC Form 4.0
HISTORY AND FORECAST OF ENERGY CONSUMPTION AND
NUMBER OF CUSTOMERS BY CUSTOMER CLASS
AS OF JANUARY 1, 2019

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
YEAR	RURAL & RESIDENTIAL			COMMERCIAL			INDUSTRIAL			STREET & HIGHWAY LIGHTING	OTHER SALES GWH	TOTAL SALES GWH	WHOLESALE PURCHASES FOR RESALE GWH	WHOLESALE SALES FOR RESALE GWH	UTILITY USE & LOSSES GWH	AGGREGATION ADJUSTMENT GWH	NET ENERGY FOR LOAD GWH
	GWH	AVERAGE NO. OF CUSTOMERS	AVG. KWH CONSUMPTION PER CUST.	GWH	AVERAGE NO. OF CUSTOMERS	AVG. KWH CONSUMPTION PER CUST.	GWH	AVERAGE NO. OF CUSTOMERS	AVG. KWH CONSUMPTION PER CUST.								
2009	108,089	7,963,401	13,573	76,978	979,643	78,578	19,084	27,347	697,846	814	5,382	210,347	0	6,325	13,722	-4,430	225,964
2010	113,220	7,949,627	14,242	76,174	977,541	77,924	19,030	26,772	710,817	832	5,365	214,621	0	7,497	15,959	-4,919	233,158
2011	108,105	7,986,541	13,536	76,410	984,046	77,649	18,744	26,911	696,518	825	5,340	209,424	0	6,736	11,716	-4,001	223,875
2012	104,109	8,040,087	12,949	77,046	994,125	77,501	17,891	25,712	695,823	820	5,351	205,217	0	6,229	12,878	-3,449	220,875
2013	105,038	8,133,269	12,915	79,473	1,006,868	78,931	15,347	20,451	750,428	814	5,297	205,969	0	5,755	12,755	-2,915	221,564
2014	106,463	8,145,799	13,070	79,488	1,013,907	78,398	15,374	21,399	718,445	802	5,444	207,571	0	9,201	11,762	-3,810	224,724
2015	112,373	8,274,599	13,580	82,098	1,022,399	80,299	15,557	22,457	692,746	832	5,736	216,596	0	10,576	12,407	-5,145	234,434
2016	113,305	8,400,713	13,488	82,399	1,037,365	79,431	15,418	22,907	673,069	823	5,718	217,663	0	11,033	10,789	-6,966	232,519
2017	111,511	8,512,941	13,099	81,867	1,050,367	77,941	15,589	22,739	685,562	727	5,731	215,425	0	10,977	11,386	-6,962	230,826
2018	114,461	8,602,399	13,306	82,171	1,045,803	78,572	15,637	22,479	695,627	722	5,932	218,923	0	11,317	11,420	-6,550	235,110
2009-2018																	
% AAGR	0.64%			0.73%			-2.19%										0.44%
2019	114,692	8,852,117	12,956	83,904	1,093,930	76,700	15,739	23,098	681,401	720	6,003	221,058	0	9,266	11,331	-7,753	233,902
2020	115,964	8,971,889	12,925	84,743	1,105,491	76,656	15,967	24,196	659,902	723	6,045	223,442	0	9,308	11,317	-7,696	236,371
2021	116,903	9,094,738	12,854	85,284	1,116,264	76,401	16,212	24,927	650,379	726	6,086	225,211	0	8,699	11,248	-7,201	237,957
2022	117,562	9,216,750	12,755	85,824	1,126,871	76,161	16,284	25,390	641,355	729	6,177	226,576	0	8,551	11,289	-7,132	239,284
2023	118,223	9,338,540	12,660	86,400	1,137,184	75,977	16,400	25,704	638,033	732	6,254	228,009	0	7,960	11,331	-6,836	240,464
2024	119,471	9,459,298	12,630	87,058	1,147,364	75,877	16,466	25,992	633,503	734	6,310	230,039	0	8,037	11,602	-6,870	242,808
2025	120,753	9,578,230	12,607	87,596	1,157,517	75,676	16,553	26,293	629,559	737	6,371	232,010	0	7,653	11,343	-6,581	244,425
2026	121,849	9,696,065	12,567	88,120	1,167,444	75,481	16,608	26,499	626,741	738	6,432	233,747	0	7,481	11,667	-6,369	246,526
2027	123,197	9,812,682	12,555	88,771	1,177,038	75,419	16,698	26,536	629,258	739	6,495	235,900	0	7,585	11,730	-6,418	248,797
2028	124,910	9,927,039	12,583	89,704	1,186,550	75,601	16,803	26,509	633,860	739	6,560	238,716	0	7,407	11,657	-6,485	251,295
2019-2028																	
% AAGR	0.95%	1.28%		0.75%	0.91%		0.73%	1.54%									0.80%

**2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL**

**FRCC Form 5.0
HISTORY AND FORECAST OF SUMMER PEAK DEMAND (MW)
AS OF JANUARY 1, 2019**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
							[(2)+(3)+(4)+(5)+(6)+(7)+(8)]	
YEAR	SUMMER NET FIRM PEAK DEMAND	DEMAND REDUCTION			SELF-SERVED GENERATION	CUMULATIVE CONSERVATION		SUMMER TOTAL DEMAND
		INTERRUPTIBLE LOAD	RESIDENTIAL LOAD MANAGEMENT	COMM./IND. LOAD MANAGEMENT		RESIDENTIAL	COMM./IND.	
2017	46,471	0	54	19	251	2,298	1,392	50,485
2018	45,327	0	54	20	198	2,339	1,442	49,380
2019	44,719	507	1,312	1,132	415	2,391	1,473	51,949
2020	45,035	593	1,344	1,167	415	2,440	1,502	52,496
2021	45,522	592	1,376	1,185	410	2,486	1,530	53,101
2022	45,957	593	1,409	1,202	410	2,529	1,558	53,658
2023	46,410	592	1,440	1,221	410	2,570	1,585	54,228
2024	47,015	590	1,473	1,237	410	2,610	1,612	54,947
2025	47,576	590	1,504	1,254	410	2,652	1,637	55,623
2026	48,205	589	1,536	1,270	410	2,692	1,665	56,367
2027	48,893	589	1,566	1,285	410	2,734	1,690	57,167
2028	49,545	589	1,597	1,302	410	2,773	1,718	57,934
CAAGR (%):	1.15%							

**2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL**

**FRCC Form 6.0
HISTORY AND FORECAST OF WINTER PEAK DEMAND (MW)
AS OF JANUARY 1, 2019**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
							[(2)+(3)+(4)+(5)+(6)+(7)+(8)]	
YEAR	WINTER NET FIRM PEAK DEMAND	DEMAND REDUCTION			SELF-SERVED GENERATION	CUMULATIVE CONSERVATION		WINTER TOTAL DEMAND
		INTERRUPTIBLE LOAD	RESIDENTIAL LOAD MANAGEMENT	COMM./IND. LOAD MANAGEMENT		RESIDENTIAL	COMM./IND.	
2017/18	42,877	0	68	17	252	2,451	716	46,381
2018/19	42,141	0	52	18	207	2,494	735	45,647
2019/20	41,075	485	1,532	870	415	2,538	762	47,677
2020/21	40,792	532	1,567	879	410	2,578	790	47,548
2021/22	42,175	530	1,600	889	410	2,614	816	49,034
2022/23	41,988	530	1,633	898	410	2,649	843	48,951
2023/24	42,758	528	1,666	908	410	2,681	869	49,820
2024/25	42,907	528	1,702	919	410	2,719	894	50,079
2025/26	43,521	527	1,734	929	410	2,753	922	50,796
2026/27	43,950	527	1,767	939	410	2,786	948	51,327
2027/28	44,326	527	1,801	949	410	2,818	975	51,806
2028/29	44,873	527	1,836	958	410	2,841	977	52,422
CAAGR (%):	0.99%							

**2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL**

**FRCC Form 7.0
HISTORY AND FORECAST OF ANNUAL NET ENERGY FOR LOAD (GWH)
AS OF JANUARY 1, 2019**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
							[(2)+(3)+(4)+(5)+(6)+(7)+(8)]	
YEAR	NET ENERGY FOR LOAD	ENERGY REDUCTION			SELF-SERVED GENERATION	CUMULATIVE CONSERVATION		TOTAL ENERGY FOR LOAD
		INTERRUPTIBLE LOAD	RESIDENTIAL LOAD MANAGEMENT	COMM./IND. LOAD MANAGEMENT		RESIDENTIAL	COMM./IND.	
2017	230,826	0	0	0	2,066	5,311	4,200	242,403
2018	235,110	0	0	0	2,058	5,375	4,343	246,886
2019	233,902	0	0	9	1,940	5,438	4,349	245,638
2020	236,371	0	0	9	1,941	5,522	4,409	248,252
2021	237,957	0	0	9	1,940	5,608	4,468	249,982
2022	239,284	0	0	9	1,940	5,693	4,526	251,452
2023	240,464	0	0	9	1,940	5,778	4,582	252,773
2024	242,808	0	0	10	1,941	5,861	4,639	255,259
2025	244,425	0	0	10	1,940	5,944	4,695	257,014
2026	246,526	0	0	10	1,940	6,022	4,751	259,249
2027	248,797	0	0	10	1,940	6,102	4,808	261,657
2028	251,295	0	0	10	1,941	6,179	4,863	264,288
CAAGR (%):	0.80%							

2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL
SUMMARY OF INTERRUPTIBLE LOAD AND LOAD MANAGEMENT (MW)
2019 THROUGH 2028
SUMMER

	DEF			FPL		JEA	SEC			TAL		TEC		FRCC TOTALS			FRCC TOTAL INT + LM
YEAR	INT	RES LM	COM LM	RES LM	COM LM	INT	INT	RES LM	COM LM	RES LM	COM LM	INT	COM LM	INT	RES LM	COM LM	
2019	273	387	91	866	921	105	35	59	20	0	0	94	100	507	1,312	1,132	2,951
2020	356	393	95	890	950	105	37	60	20	1	2	95	100	593	1,344	1,167	3,104
2021	356	399	99	914	961	105	36	61	20	2	4	95	101	592	1,376	1,185	3,153
2022	366	405	103	938	972	105	37	62	20	4	6	85	101	593	1,409	1,202	3,204
2023	366	411	108	962	983	105	36	62	20	5	8	85	102	592	1,440	1,221	3,253
2024	366	417	112	986	994	105	36	63	20	7	9	83	102	590	1,473	1,237	3,300
2025	366	423	116	1,010	1,006	105	36	64	20	7	9	83	103	590	1,504	1,254	3,348
2026	366	429	120	1,034	1,017	105	36	66	20	7	10	82	103	589	1,536	1,270	3,395
2027	366	435	124	1,058	1,028	105	36	66	20	7	10	82	103	589	1,566	1,285	3,440
2028	366	441	129	1,082	1,039	105	36	67	20	7	10	82	104	589	1,597	1,302	3,488

WINTER

	DEF			FPL		JEA	SEC			TAL		TEC		FRCC TOTALS			FRCC TOTAL INT + LM
YEAR	INT	RES LM	COM LM	RES LM	COM LM	INT	INT	RES LM	COM LM	RES LM	COM LM	INT	COM LM	INT	RES LM	COM LM	
2019/20	270	723	91	744	664	102	44	65	18	0	0	69	97	485	1,532	870	2,887
2020/21	316	735	95	765	669	102	44	67	18	0	0	70	97	532	1,567	879	2,978
2021/22	324	747	99	785	674	102	44	68	18	0	0	60	98	530	1,600	889	3,019
2022/23	324	759	103	806	679	102	44	68	18	0	0	60	98	530	1,633	898	3,061
2023/24	324	771	107	827	684	102	44	68	18	0	0	58	99	528	1,666	908	3,102
2024/25	324	783	112	848	689	102	44	71	18	0	0	58	100	528	1,702	919	3,149
2025/26	324	795	116	868	695	102	44	71	18	0	0	57	100	527	1,734	929	3,190
2026/27	324	807	120	889	700	102	44	71	18	0	0	57	101	527	1,767	939	3,233
2027/28	324	819	124	910	705	102	44	72	18	0	0	57	102	527	1,801	949	3,277
2028/29	324	831	128	931	710	102	44	74	18	0	0	57	102	527	1,836	958	3,321

**2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL
SUMMARY OF EXISTING CAPACITY
AS OF DECEMBER 31, 2018**

UTILITY	NET CAPABILITY (MW)	
	SUMMER	WINTER
DUKE ENERGY FLORIDA	9,792	10,865
FLORIDA KEYS ELECTRIC COOPERATIVE ASSOCIATION INC	0	0
FLORIDA MUNICIPAL POWER AGENCY	1,284	1,324
FLORIDA POWER & LIGHT COMPANY	23,971	25,008
FORT PIERCE UTILITIES AUTHORITIES	0	0
GAINESVILLE REGIONAL UTILITIES	631	661
HOMESTEAD ENERGY SERVICES	32	32
JEA	2,771	3,104
KEY WEST UTILITY BOARD	37	37
KISSIMMEE UTILITY AUTHORITY	242	254
LAKE WORTH UTILITIES CITY OF	77	80
LAKELAND CITY OF	844	890
NEW SMYRNA BEACH UTILITIES COMMISSION OF	44	48
OCALA UTILITY SERVICES	0	0
ORLANDO UTILITIES COMMISSION	1,493	1,531
REEDY CREEK IMPROVEMENT DISTRICT	54	54
ST CLOUD CITY OF	0	0
TALLAHASSEE CITY OF	632	702
TAMPA ELECTRIC COMPANY	4,764	5,071
SEMINOLE ELECTRIC COOPERATIVE INC	2,041	2,215
US CORPS OF ENGINEERS - MOBILE	44	44
FRCC EXISTING CAPACITY (JANUARY 1)	48,753	51,919
FRCC EXISTING CAPACITY (SUMMER 19, WINTER 19/20)	51,706	54,260
FIRM NON-UTILITY PURCHASES (JANUARY 1)	3,480	3,737
FIRM NON-UTILITY PURCHASES (SUMMER 19, WINTER 19/20)	3,510	3,783
TOTAL FRCC EXISTING (JANUARY 1)	52,232	55,656
TOTAL FRCC EXISTING (SUMMER 19, WINTER 19/20)	55,215	58,043

**2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL
FRCC Form 1.0
EXISTING GENERATING FACILITIES AS OF JANUARY 1, 2019**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
PLANT NAME	UNIT NO.	LOCATION	UNIT TYPE	PRIMARY FUEL		ALTERNATE FUEL		ALT. FUEL STORAGE (DAYS BURN)	COMMERCIAL IN-SERVICE MO. / YEAR	EXPECTED RETIREMENT MO. / YEAR	GROSS CAPABILITY		NET CAPABILITY		STATUS
				FUEL TYPE	TRANSP. METHOD	FUEL TYPE	TRANSP. METHOD				SUMMER (MW)	WINTER (MW)	SUMMER (MW)	WINTER (MW)	
DUKE ENERGY FLORIDA															
ANCLOTE	1	PASCO	ST	NG	PL	---	---	0	10 / 1974	--- / ---	522	538	498	511	OP
ANCLOTE	2	PASCO	ST	NG	PL	---	---	0	10 / 1978	--- / ---	520	538	505	514	OP
AVON PARK	P1	HIGHLANDS	GT	NG	PL	DFO	TK	3	12 / 1968	6 / 2020	24	25	24	25	OP
AVON PARK	P2	HIGHLANDS	GT	DFO	TK	---	---	0	12 / 1968	6 / 2020	24	25	24	25	OP
BAYBORO	P1	PINELLAS	GT	DFO	WA	---	---	0	4 / 1973	12 / 2025	44	61	44	61	OP
BAYBORO	P2	PINELLAS	GT	DFO	WA	---	---	0	4 / 1973	12 / 2025	41	58	41	58	OP
BAYBORO	P3	PINELLAS	GT	DFO	WA	---	---	0	4 / 1973	12 / 2025	43	60	43	60	OP
BAYBORO	P4	PINELLAS	GT	DFO	WA	---	---	0	4 / 1973	12 / 2025	43	59	43	59	OP
CITRUS	1GTA	CITRUS	CT	NG	PL	---	---	0	10 / 2018	--- / ---	245	300.7	244	299	OP
CITRUS	1GTB	CITRUS	CT	NG	PL	---	---	0	10 / 2018	--- / ---	245	300.7	244	299	OP
CITRUS	2GTA	CITRUS	CT	NG	PL	---	---	0	11 / 2018	--- / ---	245	300.7	244	299	OP
CITRUS	2GTB	CITRUS	CT	NG	PL	---	---	0	11 / 2018	--- / ---	245	300.7	244	299	OP
CITRUS	CC1ST	CITRUS	CA	WH	NA	---	---	0	10 / 2018	--- / ---	348	349.6	328	333	OP
CITRUS	CC2ST	CITRUS	CA	WH	NA	---	---	0	11 / 2018	--- / ---	348	349.6	328	333	OP
CRYSTAL RIVER	4	CITRUS	ST	BIT	WA	BIT	RR	0	12 / 1982	--- / ---	769	767	712	721	OP
CRYSTAL RIVER	5	CITRUS	ST	BIT	WA	BIT	RR	0	10 / 1984	--- / ---	767	778	710	721	OP
DEBARY	P10	VOLUSIA	GT	DFO	TK	---	---	0	10 / 1992	--- / ---	75	95	75	95	OP
DEBARY	P2	VOLUSIA	GT	DFO	TK	---	---	0	3 / 1976	6 / 2027	48	64	48	64	OP
DEBARY	P3	VOLUSIA	GT	DFO	TK	---	---	0	12 / 1975	6 / 2027	50	65	50	65	OP
DEBARY	P4	VOLUSIA	GT	DFO	TK	---	---	0	4 / 1976	6 / 2027	50	65	50	65	OP
DEBARY	P5	VOLUSIA	GT	DFO	TK	---	---	0	12 / 1975	6 / 2027	50	65	50	65	OP
DEBARY	P6	VOLUSIA	GT	DFO	TK	---	---	0	4 / 1976	6 / 2027	51	65	51	65	OP
DEBARY	P7	VOLUSIA	GT	NG	PL	DFO	TK	8	10 / 1992	--- / ---	79	99	79	99	OP
DEBARY	P8	VOLUSIA	GT	NG	PL	DFO	TK	0	10 / 1992	--- / ---	78	96	78	96	OP
DEBARY	P9	VOLUSIA	GT	NG	PL	DFO	TK	0	10 / 1992	--- / ---	80	98	80	98	OP
HIGGINS	P1	PINELLAS	GT	NG	PL	---	---	0	3 / 1969	6 / 2020	20	25	20	25	EO
HIGGINS	P2	PINELLAS	GT	NG	PL	---	---	0	4 / 1969	6 / 2020	25	25	25	25	EO
HIGGINS	P3	PINELLAS	GT	NG	PL	---	---	0	12 / 1970	6 / 2020	31	36	31	36	EO
HIGGINS	P4	PINELLAS	GT	NG	PL	DFO	TK	0	1 / 1971	6 / 2020	31	35	31	35	EO
HINES ENERGY COMPLEX	1GT1	POLK	CT	NG	PL	DFO	TK	0	4 / 1999	--- / ---	163	176	163	176	OP
HINES ENERGY COMPLEX	1GT2	POLK	CT	NG	PL	DFO	TK	0	4 / 1999	--- / ---	170	178	169	178	OP
HINES ENERGY COMPLEX	1ST	POLK	CA	WH	NA	DFO	TK	0	4 / 1999	--- / ---	162	180	158	174	OP

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
PLANT NAME	UNIT NO.	LOCATION	UNIT TYPE	PRIMARY FUEL		ALTERNATE FUEL		ALT. FUEL STORAGE (DAYS BURN)	COMMERCIAL IN-SERVICE MO. / YEAR	EXPECTED RETIREMENT MO. / YEAR	GROSS CAPABILITY		NET CAPABILITY		STATUS
				FUEL TYPE	TRANSP. METHOD	FUEL TYPE	TRANSP. METHOD				SUMMER (MW)	WINTER (MW)	SUMMER (MW)	WINTER (MW)	
DUKE ENERGY FLORIDA (cont.)															
HINES ENERGY COMPLEX	2GT1	POLK	CT	NG	PL	DFO	TK	0	12 / 2003	--- / ---	170	186	170	186	OP
HINES ENERGY COMPLEX	2GT2	POLK	CT	NG	PL	DFO	TK	0	12 / 2003	--- / ---	178	186	178	186	OP
HINES ENERGY COMPLEX	2ST	POLK	CA	WH	NA	---	---	0	12 / 2003	--- / ---	176	197	175	191	OP
HINES ENERGY COMPLEX	3GT1	POLK	CT	NG	PL	DFO	TK	0	11 / 2005	--- / ---	173	186	173	186	OP
HINES ENERGY COMPLEX	3GT2	POLK	CT	NG	PL	DFO	TK	0	11 / 2005	--- / ---	173	186	173	186	OP
HINES ENERGY COMPLEX	3ST	POLK	CA	WH	NA	---	---	0	11 / 2005	--- / ---	176	198	169	192	OP
HINES ENERGY COMPLEX	4GT1	POLK	CT	NG	PL	DFO	TK	0	12 / 2007	--- / ---	176	183	176	183	OP
HINES ENERGY COMPLEX	4GT2	POLK	CT	NG	PL	DFO	TK	0	12 / 2007	--- / ---	175	184	175	184	OP
HINES ENERGY COMPLEX	4ST	POLK	CA	WH	NA	DFO	TK	0	12 / 2007	--- / ---	173	185	165	177	OP
INTERCESSION CITY	P1	OSCEOLA	GT	DFO	PL	---	---	0	5 / 1974	--- / ---	47	64	47	64	OP
INTERCESSION CITY	P10	OSCEOLA	GT	NG	PL	DFO	PL	0	10 / 1993	--- / ---	78	96	78	96	OP
INTERCESSION CITY *	P11	OSCEOLA	GT	DFO	PL	NA	NA	0	1 / 1997	--- / ---	140	161	140	161	OP
INTERCESSION CITY	P12	OSCEOLA	GT	NG	PL	DFO	PL	5	12 / 2000	--- / ---	73	94	73	94	OP
INTERCESSION CITY	P13	OSCEOLA	GT	NG	PL	DFO	PL	0	12 / 2000	--- / ---	75	93	75	93	OP
INTERCESSION CITY	P14	OSCEOLA	GT	NG	PL	DFO	PL	0	12 / 2000	--- / ---	72	95	72	92	OP
INTERCESSION CITY	P2	OSCEOLA	GT	DFO	PL	---	---	0	5 / 1974	--- / ---	46	63	46	63	OP
INTERCESSION CITY	P3	OSCEOLA	GT	DFO	PL	---	---	0	5 / 1974	--- / ---	46	63	46	63	OP
INTERCESSION CITY	P4	OSCEOLA	GT	DFO	PL	---	---	0	5 / 1974	--- / ---	46	63	46	63	OP
INTERCESSION CITY	P5	OSCEOLA	GT	DFO	PL	---	---	0	5 / 1974	--- / ---	45	62	45	62	OP
INTERCESSION CITY	P6	OSCEOLA	GT	DFO	PL	---	---	0	5 / 1974	--- / ---	47	64	47	64	OP
INTERCESSION CITY	P7	OSCEOLA	GT	NG	PL	DFO	PL	5	10 / 1993	--- / ---	78	95	78	95	OP
INTERCESSION CITY	P8	OSCEOLA	GT	NG	PL	DFO	PL	0	10 / 1993	--- / ---	79	96	79	96	OP
INTERCESSION CITY	P9	OSCEOLA	GT	NG	PL	DFO	PL	0	10 / 1993	--- / ---	79	96	79	96	OP
OSPREY ENERGY CENTER	GT1	POLK	CT	NG	PL	DFO	TK	2	5 / 2004	--- / ---	81.6	81.6	81.6	81.6	OP
OSPREY ENERGY CENTER	GT2	POLK	CT	NG	PL	DFO	TK	2	5 / 2004	--- / ---	81.6	81.6	81.6	81.6	OP
OSPREY ENERGY CENTER	ST1	POLK	ST	NG	PL	DFO	TK	2	5 / 2004	--- / ---	81.7	81.7	81.7	81.7	OP
P. L. BARTOW	4AGT	PINELLAS	CT	NG	PL	DFO	TK	0	6 / 2009	--- / ---	189	216	189	215	OP
P. L. BARTOW	4BGT	PINELLAS	CT	NG	PL	DFO	TK	0	6 / 2009	--- / ---	187	210	187	209	OP
P. L. BARTOW	4CGT	PINELLAS	CT	NG	PL	DFO	TK	0	6 / 2009	--- / ---	191	220	191	219	OP
P. L. BARTOW	4DGT	PINELLAS	CT	NG	PL	DFO	TK	0	6 / 2009	--- / ---	190	216	190	215	OP
P. L. BARTOW	4ST	PINELLAS	CA	WH	NA	DFO	TK	0	6 / 2009	--- / ---	355	345	346.5	329	OP
P. L. BARTOW	P1	PINELLAS	GT	DFO	WA	---	---	0	5 / 1972	6 / 2027	41	52	41	52	OP

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PLANT NAME	UNIT NO.	LOCATION	UNIT TYPE	PRIMARY FUEL		ALTERNATE FUEL		ALT. FUEL STORAGE (DAYS BURN)	COMMERCIAL IN-SERVICE MO. / YEAR	EXPECTED RETIREMENT MO. / YEAR	GROSS CAPABILITY		NET CAPABILITY		STATUS
				FUEL TYPE	TRANSP. METHOD	FUEL TYPE	TRANSP. METHOD				SUMMER (MW)	WINTER (MW)	SUMMER (MW)	WINTER (MW)	
DUKE ENERGY FLORIDA (cont.)															
P. L. BARTOW	P2	PINELLAS	GT	NG	PL	DFO	WA	8	6 / 1972	--- / ---	41	57	41	57	OP
P. L. BARTOW	P3	PINELLAS	GT	DFO	WA	---	---	0	6 / 1972	6 / 2027	41	53	41	53	OP
P. L. BARTOW	P4	PINELLAS	GT	NG	PL	DFO	WA	8	6 / 1972	--- / ---	45	61	45	61	OP
SUWANNEE RIVER	P1	SUWANNEE	GT	NG	PL	DFO	TK	9	10 / 1980	--- / ---	49	68	49	68	OP
SUWANNEE RIVER	P2	SUWANNEE	GT	DFO	TK	---	---	0	10 / 1980	--- / ---	50	67	50	67	OP
SUWANNEE RIVER	P3	SUWANNEE	GT	NG	PL	DFO	TK	0	11 / 1980	--- / ---	50	68	50	68	OP
TIGER BAY	1GT	POLK	CT	NG	PL	---	---	0	8 / 1997	--- / ---	130	160	130	160	OP
TIGER BAY	1ST	POLK	CA	WH	NA	---	---	0	8 / 1997	--- / ---	73	74	70	71	OP
UNIVERSITY OF FLORIDA	P1	ALACHUA	GT	NG	PL	---	---	0	1 / 1994	--- / ---	66	47	44	46	OP
DEF TOTAL (Excluding Solar):													9,741	10,865	
FLORIDA KEYS ELECTRIC COOPERATIVE ASSOCIATION INC															
MARATHON	1	MONROE	IC	DFO	TK	RFO	TK	0	6 / 1988	--- / ---	2	2	2	2	SB
MARATHON	2	MONROE	IC	DFO	TK	RFO	TK	0	6 / 1988	--- / ---	2	2	2	2	SB
MARATHON	8	MONROE	IC	DFO	TK	RFO	TK	0	1 / 1998	--- / ---	3.5	3.5	3.5	3.5	SB
MARATHON	9	MONROE	IC	DFO	TK	RFO	TK	0	1 / 2001	--- / ---	3.5	3.5	3.5	3.5	SB
FKE TOTAL:													0.0	0.0	
FLORIDA MUNICIPAL POWER AGENCY															
CANE ISLAND *	1GT	OSCEOLA	GT	NG	PL	DFO	TK	0	11 / 1994	--- / ---	17.5	19	17.5	19	OP
CANE ISLAND *	2CT	OSCEOLA	CT	NG	PL	DFO	TK	0	6 / 1995	--- / ---	35.5	37.5	34.5	36.5	OP
CANE ISLAND *	2CW	OSCEOLA	CA	WH	NA	DFO	---	0	6 / 1995	--- / ---	22	22	20	20	OP
CANE ISLAND *	3CT	OSCEOLA	CT	NG	PL	---	---	0	1 / 2002	--- / ---	77	81	75	79	OP
CANE ISLAND *	3CW	OSCEOLA	CA	WH	NA	DFO	---	0	1 / 2002	--- / ---	47.5	48.5	45	46	OP
CANE ISLAND	4CT	OSCEOLA	CT	NG	PL	---	---	0	7 / 2011	--- / ---	154	159	150	155	OP
CANE ISLAND	4CW	OSCEOLA	CA	WH	NA	---	---	0	7 / 2011	--- / ---	153	158	150	155	OP
INDIAN RIVER	A	BREVARD	GT	NG	PL	DFO	TK	0	7 / 1989	--- / ---	14.2	18	12.2	14.1	OP
INDIAN RIVER	B	BREVARD	GT	NG	PL	DFO	TK	0	7 / 1989	--- / ---	14.2	18	12.2	14.1	OP
INDIAN RIVER *	C	BREVARD	GT	NG	PL	DFO	TK	0	8 / 1992	--- / ---	22.3	26.2	21.6	23	OP
INDIAN RIVER *	D	BREVARD	GT	NG	PL	DFO	TK	0	8 / 1992	--- / ---	22.3	26.2	21.6	23	OP

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PLANT NAME	UNIT NO.	LOCATION	UNIT TYPE	PRIMARY FUEL		ALTERNATE FUEL		ALT. FUEL STORAGE (DAYS BURN)	COMMERCIAL IN-SERVICE MO. / YEAR	EXPECTED RETIREMENT MO. / YEAR	GROSS CAPABILITY		NET CAPABILITY		STATUS
				FUEL TYPE	TRANSP. METHOD	FUEL TYPE	TRANSP. METHOD				SUMMER (MW)	WINTER (MW)	SUMMER (MW)	WINTER (MW)	
FLORIDA MUNICIPAL POWER AGENCY (cont.)															
ST. LUCIE *	2	ST. LUCIE	ST	NUC	TK	---	---	0	6 / 1983	--- / ---	86.2	89.6	86.2	89.6	OP
STANTON *	1	ORANGE	ST	BIT	RR	---	---	0	7 / 1987	--- / ---	114.8	114.8	114.8	114.8	OP
STANTON *	2	ORANGE	ST	BIT	RR	---	---	0	6 / 1996	--- / ---	125.9	125.9	125.1	125.1	OP
STANTON A *	CT	ORANGE	CT	NG	PL	DFO	TK	3	10 / 2003	--- / ---	11.6	13.1	11.6	13.1	OP
STANTON A *	ST	ORANGE	CA	WH	PL	DFO	TK	3	10 / 2003	--- / ---	10.3	10.4	10.3	10.4	OP
STOCK ISLAND	CT2	MONROE	GT	DFO	WA	---	---	0	9 / 1999	--- / ---	15.9	15.9	15.9	15.9	OP
STOCK ISLAND	CT3	MONROE	GT	DFO	WA	---	---	0	9 / 1999	--- / ---	14.1	14.1	14.1	14.1	OP
STOCK ISLAND	CT4	MONROE	GT	DFO	WA	---	---	0	6 / 2006	--- / ---	46	46	46	46	OP
TREASURE COAST ENERGY CTR	1	ST. LUCIE	CT	NG	PL	DFO	TK	0	6 / 2008	--- / ---	154	159	150	155	OP
TREASURE COAST ENERGY CTR	1	ST. LUCIE	CA	WH	NA	DFO	RR	0	6 / 2008	--- / ---	153	158	150	155	OP
FMFA TOTAL:													1,284	1,324	
FLORIDA POWER & LIGHT COMPANY															
CAPE CANAVERAL	3A	BREVARD	CT	NG	PL	DFO	TK	4	4 / 2013	--- / ---	261	296.1	261	296.1	OP
CAPE CANAVERAL	3B	BREVARD	CT	NG	PL	DFO	TK	4	4 / 2013	--- / ---	261	296.1	261	296.1	OP
CAPE CANAVERAL	3C	BREVARD	CT	NG	PL	DFO	TK	4	4 / 2013	--- / ---	261	296.1	261	296.1	OP
CAPE CANAVERAL	3ST	BREVARD	ST	NG	PL	DFO	TK	4	4 / 2013	--- / ---	491	506.7	474	489.7	OP
FT. MYERS	1	LEE	GT	DFO	WA	---	---	0	5 / 1974	--- / ---	54.2	61.7	54	61.5	OP
FT. MYERS	9	LEE	GT	DFO	WA	---	---	0	5 / 1974	--- / ---	54.2	61.7	54	61.5	OP
FT. MYERS	2CTA	LEE	CT	NG	PL	---	---	0	6 / 2002	--- / ---	175.8	207	175.8	207	OP
FT. MYERS	2CTB	LEE	CT	NG	PL	---	---	0	6 / 2002	--- / ---	175.8	207	175.8	207	OP
FT. MYERS	2CTC	LEE	CT	NG	PL	---	---	0	6 / 2002	--- / ---	175.8	207	175.8	207	OP
FT. MYERS	2CTD	LEE	CT	NG	PL	---	---	0	6 / 2002	--- / ---	175.8	207	175.8	207	OP
FT. MYERS	2CTE	LEE	CT	NG	PL	---	---	0	6 / 2002	--- / ---	175.8	207	175.8	207	OP
FT. MYERS	2CTF	LEE	CT	NG	PL	---	---	0	6 / 2002	--- / ---	175.8	207	175.8	207	OP
FT. MYERS	2ST1	LEE	CA	WH	NA	---	---	0	6 / 2002	--- / ---	63.3	65.1	63.3	65.1	OP
FT. MYERS	2ST2	LEE	CA	WH	NA	---	---	0	6 / 2002	--- / ---	476.9	460.9	454.9	438.9	OP
FT. MYERS	3CTA	LEE	CT	NG	PL	DFO	TK	7	6 / 2003	--- / ---	195.6	198.6	195	198	OP
FT. MYERS	3CTB	LEE	CT	NG	PL	DFO	TK	7	6 / 2003	--- / ---	195.6	198.6	195	198	OP
FT. MYERS	3CTC	LEE	CT	NG	TK	DFO	---	7	12 / 2016	--- / ---	231.6	222.6	231	222	OP
FT. MYERS	3CTD	LEE	CT	NG	TK	DFO	---	7	12 / 2016	--- / ---	231.6	222.6	231	222	OP

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PLANT NAME	UNIT NO.	LOCATION	UNIT TYPE	PRIMARY FUEL		ALTERNATE FUEL		ALT. FUEL STORAGE (DAYS BURN)	COMMERCIAL IN-SERVICE MO. / YEAR	EXPECTED RETIREMENT MO. / YEAR	GROSS CAPABILITY		NET CAPABILITY		STATUS
				FUEL TYPE	TRANSP. METHOD	FUEL TYPE	TRANSP. METHOD				SUMMER (MW)	WINTER (MW)	SUMMER (MW)	WINTER (MW)	
FLORIDA POWER & LIGHT COMPANY (cont.)															
LAUDERDALE	3	BROWARD	GT	NG	PL	DFO	TK	3	8 / 1970	--- / ---	34.4	37.3	34.3	37.2	OP
LAUDERDALE	5	BROWARD	GT	NG	PL	DFO	TK	3	8 / 1970	--- / ---	34.4	37.3	34.3	37.2	OP
LAUDERDALE	6CTA	BROWARD	CT	NG	PL	DFO	TK	2	12 / 2016	--- / ---	231.6	222.6	231	222	OP
LAUDERDALE	6CTB	BROWARD	CT	NG	PL	DFO	TK	2	12 / 2016	--- / ---	231.6	222.6	231	222	OP
LAUDERDALE	6CTC	BROWARD	CT	NG	PL	DFO	TK	2	12 / 2016	--- / ---	231.6	222.6	231	222	OP
LAUDERDALE	6CTD	BROWARD	CT	NG	PL	DFO	TK	2	12 / 2016	--- / ---	231.6	222.6	231	222	OP
LAUDERDALE	6CTE	BROWARD	CT	NG	PL	DFO	TK	2	12 / 2016	--- / ---	231.6	222.6	231	222	OP
MANATEE	1	MANATEE	ST	NG	PL	RFO	WA	21	10 / 1976	10 / 2021	841	851.6	809	819	OP
MANATEE	2	MANATEE	ST	NG	PL	RFO	WA	21	12 / 1977	10 / 2021	841	851.6	809	819	OP
MANATEE	3CTA	MANATEE	CT	NG	PL	---	---	0	6 / 2005	--- / ---	173.5	207	173.5	207	OP
MANATEE	3CTB	MANATEE	CT	NG	PL	---	---	0	6 / 2005	--- / ---	173.5	207	173.5	207	OP
MANATEE	3CTC	MANATEE	CT	NG	PL	---	---	0	6 / 2005	--- / ---	173.5	207	173.5	207	OP
MANATEE	3CTD	MANATEE	CT	NG	PL	---	---	0	6 / 2005	--- / ---	173.5	207	173.5	207	OP
MANATEE	3ST	MANATEE	CA	NG	PL	---	---	0	6 / 2005	--- / ---	457	455	439	437	OP
MARTIN	3GT1	MARTIN	CT	NG	PL	---	---	0	2 / 1994	--- / ---	165	185	165	185	OP
MARTIN	3GT2	MARTIN	CT	NG	PL	---	---	0	2 / 1994	--- / ---	165	185	165	185	OP
MARTIN	3ST	MARTIN	CA	NG	PL	---	---	0	2 / 1994	--- / ---	163	169	157	163	OP
MARTIN	4GT1	MARTIN	CT	NG	PL	DFO	TK	0	4 / 1994	--- / ---	165	185	165	185	OP
MARTIN	4GT2	MARTIN	CT	NG	PL	---	---	0	4 / 1994	--- / ---	165	185	165	185	OP
MARTIN	4ST	MARTIN	CA	NG	PL	---	---	0	4 / 1994	--- / ---	163	169	157	163	OP
MARTIN	8CTA	MARTIN	CT	NG	PL	DFO	---	0	6 / 2005	--- / ---	196.8	207	196.8	207	OP
MARTIN	8CTB	MARTIN	CT	NG	PL	DFO	---	0	6 / 2005	--- / ---	196.8	207	196.8	207	OP
MARTIN	8CTC	MARTIN	CT	NG	PL	DFO	TK	3	6 / 2005	--- / ---	196.8	207	196.8	207	OP
MARTIN	8CTD	MARTIN	CT	NG	PL	DFO	TK	3	6 / 2005	--- / ---	196.8	207	196.8	207	OP
MARTIN	8ST	MARTIN	CA	NG	PL	DFO	TK	0	6 / 2005	--- / ---	470.8	466	447.8	443	OP
PORT EVERGLADES	5A	BROWARD	CT	NG	PL	DFO	TK	5	4 / 2016	--- / ---	271.9	297.1	271.9	297.1	OP
PORT EVERGLADES	5B	BROWARD	CT	NG	PL	DFO	TK	5	4 / 2016	--- / ---	271.9	297.1	271.9	297.1	OP
PORT EVERGLADES	5C	BROWARD	CT	NG	PL	DFO	TK	5	4 / 2016	--- / ---	271.9	297.1	271.9	297.1	OP
PORT EVERGLADES	5ST	BROWARD	CA	NG	PL	DFO	TK	5	4 / 2016	--- / ---	438.3	463.7	421.3	446.7	OP
RIVIERA	5A	PALM BEACH	CT	NG	PL	DFO	TK	4	6 / 2014	--- / ---	270.5	300.9	270.5	300.9	OP
RIVIERA	5B	PALM BEACH	CT	NG	PL	DFO	TK	4	6 / 2014	--- / ---	270.5	300.9	270.5	300.9	OP
RIVIERA	5C	PALM BEACH	CT	NG	PL	DFO	TK	4	6 / 2014	--- / ---	270.5	300.9	270.5	300.9	OP

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
PLANT NAME	UNIT NO.	LOCATION	UNIT TYPE	PRIMARY FUEL		ALTERNATE FUEL		ALT. FUEL STORAGE (DAYS BURN)	COMMERCIAL IN-SERVICE MO. / YEAR	EXPECTED RETIREMENT MO. / YEAR	GROSS CAPABILITY		NET CAPABILITY		STATUS
				FUEL TYPE	TRANSP. METHOD	FUEL TYPE	TRANSP. METHOD				SUMMER (MW)	WINTER (MW)	SUMMER (MW)	WINTER (MW)	
FLORIDA POWER & LIGHT COMPANY (cont.)															
RIVIERA	5ST	PALM BEACH	CA	NG	PL	DFO	TK	4	6 / 2014	--- / ---	495.5	507.3	478.5	490.3	OP
SANFORD	4CTA	VOLUSIA	CT	NG	PL	---	---	0	10 / 2003	--- / ---	173.8	207	173.8	207	OP
SANFORD	4CTB	VOLUSIA	CT	NG	PL	---	---	0	10 / 2003	--- / ---	173.8	207	173.8	207	OP
SANFORD	4CTC	VOLUSIA	CT	NG	PL	---	---	0	10 / 2003	--- / ---	173.8	207	173.8	207	OP
SANFORD	4CTD	VOLUSIA	CT	NG	PL	---	---	0	10 / 2003	--- / ---	173.8	207	173.8	207	OP
SANFORD	4ST	VOLUSIA	CA	NG	PL	---	---	0	10 / 2003	--- / ---	346.8	332	333.8	319	OP
SANFORD	5CTA	VOLUSIA	CT	NG	PL	---	---	0	6 / 2002	--- / ---	171.3	203.9	171.3	203.9	OP
SANFORD	5CTB	VOLUSIA	CT	NG	PL	---	---	0	6 / 2002	--- / ---	171.3	203.9	171.3	203.9	OP
SANFORD	5CTC	VOLUSIA	CT	NG	PL	---	---	0	6 / 2002	--- / ---	171.3	203.9	171.3	203.9	OP
SANFORD	5CTD	VOLUSIA	CT	NG	PL	---	---	0	6 / 2002	--- / ---	171.3	203.9	171.3	203.9	OP
SANFORD	5ST	VOLUSIA	CA	NG	PL	---	---	0	6 / 2002	--- / ---	344.8	331.4	331.8	318.4	OP
SCHERER *	4	MONROE, GA	ST	BIT	RR	---	---	0	7 / 1988	--- / ---	639	638	634	635	OP
ST. LUCIE	1	ST. LUCIE	ST	NUC	TK	---	---	0	5 / 1976	--- / ---	1032	1072	981	1003	OP
ST. LUCIE *	2	ST. LUCIE	ST	NUC	TK	---	---	0	6 / 1983	--- / ---	843	862	840	860	OP
TURKEY POINT	2	DADE	ST	RFO	WA	NG	PL	0	4 / 1968	--- / ---	0	0	0	0	OS
TURKEY POINT	3	DADE	ST	NUC	TK	---	---	0	12 / 1972	--- / ---	872.2	894.2	837	859	OP
TURKEY POINT	4	DADE	ST	NUC	TK	---	---	0	9 / 1973	--- / ---	856.2	883.2	821	848	OP
TURKEY POINT	5CTA	DADE	CT	NG	PL	DFO	TK	3	5 / 2007	--- / ---	185	207	185	207	OP
TURKEY POINT	5CTB	DADE	CT	NG	PL	DFO	TK	3	5 / 2007	--- / ---	185	207	185	207	OP
TURKEY POINT	5CTC	DADE	CT	NG	PL	DFO	TK	3	5 / 2007	--- / ---	185	207	185	207	OP
TURKEY POINT	5CTD	DADE	CT	NG	PL	DFO	TK	3	5 / 2007	--- / ---	185	207	185	207	OP
TURKEY POINT	5ST	DADE	CA	NG	PL	DFO	TK	3	5 / 2007	--- / ---	452	450	427	425	OP
WEST COUNTY	3GT1	PALM BEACH	CT	NG	PL	DFO	TK	2	6 / 2011	--- / ---	252.6	287.4	252.6	287.4	OP
WEST COUNTY	3GT2	PALM BEACH	CT	NG	PL	DFO	TK	2	6 / 2011	--- / ---	252.6	287.4	252.6	287.4	OP
WEST COUNTY	3GT3	PALM BEACH	CT	NG	PL	DFO	TK	2	6 / 2011	--- / ---	252.6	287.4	252.6	287.4	OP
WEST COUNTY	3ST	PALM BEACH	CA	NG	PL	DFO	TK	2	6 / 2011	--- / ---	502.2	508.8	480.2	486.8	OP
WEST COUNTY	CT1A	PALM BEACH	CT	NG	PL	DFO	TK	2	8 / 2009	--- / ---	257.6	295.6	257.6	295.6	OP
WEST COUNTY	CT1B	PALM BEACH	CT	NG	PL	DFO	TK	0	8 / 2009	--- / ---	257.6	295.6	257.6	295.6	OP
WEST COUNTY	CT1C	PALM BEACH	CT	NG	PL	DFO	TK	2	8 / 2009	--- / ---	257.6	295.6	257.6	295.6	OP
WEST COUNTY	CT2A	PALM BEACH	CT	NG	PL	DFO	TK	2	11 / 2009	--- / ---	242.6	271.2	242.6	271.2	OP
WEST COUNTY	CT2B	PALM BEACH	CT	NG	PL	DFO	TK	2	11 / 2009	--- / ---	242.6	271.2	242.6	271.2	OP
WEST COUNTY	CT2C	PALM BEACH	CT	NG	PL	DFO	TK	2	11 / 2009	--- / ---	242.6	271.2	242.6	271.2	OP

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
PLANT NAME	UNIT NO.	LOCATION	UNIT TYPE	PRIMARY FUEL		ALTERNATE FUEL		ALT. FUEL STORAGE (DAYS BURN)	COMMERCIAL IN-SERVICE MO. / YEAR	EXPECTED RETIREMENT MO. / YEAR	GROSS CAPABILITY		NET CAPABILITY		STATUS
				FUEL TYPE	TRANSP. METHOD	FUEL TYPE	TRANSP. METHOD				SUMMER (MW)	WINTER (MW)	SUMMER (MW)	WINTER (MW)	
FLORIDA POWER & LIGHT COMPANY (cont.)															
WEST COUNTY	ST1	PALM BEACH	CA	NG	PL	DFO	TK	2	8 / 2009	--- / ---	508.2	504.2	486.2	482.2	OP
WEST COUNTY	ST2	PALM BEACH	CA	NG	PL	DFO	TK	2	11 / 2009	--- / ---	489.2	517.4	467.2	495.4	OP
FPL TOTAL (Excluding Solar):													23,519	25,008	
GAINESVILLE REGIONAL UTILITIES															
DEERHAVEN	FS01	ALACHUA	ST	NG	PL	RFO	TK	0	8 / 1972	9 / 2022	80	80	75	75	OP
DEERHAVEN	FS02	ALACHUA	ST	BIT	RR	---	---	0	10 / 1981	--- / ---	251	251	228	228	OP
DEERHAVEN	GT01	ALACHUA	GT	NG	PL	DFO	TK	0	7 / 1976	10 / 2026	18	23	17.5	22	OP
DEERHAVEN	GT02	ALACHUA	GT	NG	PL	DFO	TK	0	8 / 1976	10 / 2026	18	23	17.5	22	OP
DEERHAVEN	GT03	ALACHUA	GT	NG	PL	DFO	TK	0	1 / 1996	--- / ---	71.5	82	71	81	OP
DEERHAVEN RENEWABLE	1	ALACHUA	ST	WDS	TK	---	---	0	12 / 2013	--- / ---	116	116	103	103	OP
J. R. KELLY	FS08	ALACHUA	CA	WH	NA	---	---	0	5 / 2001	--- / ---	37.5	38	36	37	OP
J. R. KELLY	GT04	ALACHUA	CT	NG	PL	DFO	TK	0	5 / 2001	--- / ---	72.5	82	72	81	OP
SOUTH ENERGY CENTER	1	ALACHUA	GT	NG	PL	---	---	0	5 / 2009	--- / ---	4.5	4.5	3.8	4.1	OP
SOUTH ENERGY CENTER	2	ALACHUA	IC	NG	PL	---	---	0	12 / 2017	--- / ---	7.4	7.4	7.4	7.4	OP
GRU TOTAL:													631	661	
HOMESTEAD ENERGY SERVICES															
G. W. IVEY	2	DADE	IC	NG	PL	DFO	TK	100	3 / 1970	--- / ---	2	2	1.8	1.8	OP
G. W. IVEY	3	DADE	IC	NG	PL	DFO	TK	100	3 / 1970	--- / ---	2	2	1.8	1.8	OP
G. W. IVEY	13	DADE	IC	NG	PL	DFO	TK	100	11 / 1972	--- / ---	2	2	1.8	1.8	OP
G. W. IVEY	14	DADE	IC	NG	PL	DFO	TK	100	11 / 1972	--- / ---	2	2	1.8	1.8	OP
G. W. IVEY	15	DADE	IC	NG	PL	DFO	TK	100	11 / 1972	--- / ---	2	2	1.8	1.8	OP
G. W. IVEY	16	DADE	IC	NG	PL	DFO	TK	100	11 / 1972	--- / ---	2	2	1.8	1.8	OP
G. W. IVEY	17	DADE	IC	NG	PL	DFO	TK	100	11 / 1972	--- / ---	2	2	1.8	1.8	OP
G. W. IVEY	19	DADE	IC	NG	PL	DFO	TK	100	2 / 1975	--- / ---	9	9	7.5	7.5	OP
G. W. IVEY	20	DADE	IC	NG	PL	DFO	TK	100	5 / 1981	--- / ---	6.5	6.5	6	6	OP
G. W. IVEY	21	DADE	IC	NG	PL	DFO	TK	100	5 / 1981	--- / ---	6.5	6.5	6	6	OP
HST TOTAL:													32	32	

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
PLANT NAME	UNIT NO.	LOCATION	UNIT TYPE	PRIMARY FUEL		ALTERNATE FUEL		ALT. FUEL STORAGE (DAYS BURN)	COMMERCIAL IN-SERVICE MO. / YEAR	EXPECTED RETIREMENT MO. / YEAR	GROSS CAPABILITY		NET CAPABILITY		STATUS
				FUEL TYPE	TRANSP. METHOD	FUEL TYPE	TRANSP. METHOD				SUMMER (MW)	WINTER (MW)	SUMMER (MW)	WINTER (MW)	
JEA															
BRANDY BRANCH	CT2	DUVAL	CT	NG	PL	---	---	0	5 / 2001	--- / ---	150.5	186.5	150	186	OP
BRANDY BRANCH	CT3	DUVAL	CT	NG	PL	DFO	TK	0	10 / 2001	--- / ---	150.5	186.5	150	186	OP
BRANDY BRANCH	GT1	DUVAL	GT	NG	PL	DFO	TK	8	5 / 2001	--- / ---	150.5	192.7	150	191	OP
BRANDY BRANCH	STM4	DUVAL	CA	WH	NA	---	---	0	1 / 2005	--- / ---	211	232.7	201	223	OP
GREENLAND ENERGY CTR	GT1	DUVAL	GT	NG	PL	---	---	2	6 / 2011	--- / ---	150.5	192.7	150	191	OP
GREENLAND ENERGY CTR	GT2	DUVAL	GT	NG	PL	---	---	2	6 / 2011	--- / ---	150.5	192.7	150	191	OP
J. D. KENNEDY	GT7	DUVAL	GT	NG	PL	DFO	WA	4	6 / 2000	--- / ---	150.5	192.7	150	191	OP
J. D. KENNEDY	GT8	DUVAL	GT	NG	PL	DFO	WA	4	6 / 2009	--- / ---	150.5	192.7	150	191	OP
NORTHSIDE	1	DUVAL	ST	PC	WA	BIT	WA	0	5 / 2003	--- / ---	310	310	293	293	OP
NORTHSIDE	2	DUVAL	ST	PC	WA	BIT	WA	0	4 / 2003	--- / ---	310	310	293	293	OP
NORTHSIDE	3	DUVAL	ST	NG	PL	RFO	WA	9	6 / 1977	--- / ---	540	540	524	524	OP
NORTHSIDE	GT3	DUVAL	GT	DFO	WA	---	---	0	1 / 1975	--- / ---	53.4	62	53	61.6	OP
NORTHSIDE	GT4	DUVAL	GT	DFO	WA	---	---	0	1 / 1975	--- / ---	53.4	62	53	61.6	OP
NORTHSIDE	GT5	DUVAL	GT	DFO	WA	---	---	0	12 / 1974	--- / ---	53.4	62	53	61.6	OP
NORTHSIDE	GT6	DUVAL	GT	DFO	WA	---	---	0	12 / 1974	--- / ---	53.4	62	53	61.6	OP
SCHERER *	4	MONROE, GA	ST	BIT	RR	---	---	0	2 / 1989	--- / ---	210	210	198	198	OP
JEA TOTAL:												2,771	3,104		
KEY WEST UTILITY BOARD															
STOCK ISLAND	EP2	MONROE	IC	DFO	TK	---	---	0	7 / 2014	--- / ---	2	2	2	2	OP
STOCK ISLAND	GT1	MONROE	GT	DFO	WA	---	---	0	11 / 1978	--- / ---	19.8	19.8	18.5	18.5	OP
STOCK ISLAND MSD	MSD1	MONROE	IC	DFO	WA	---	---	0	6 / 1991	--- / ---	8.8	8.8	8	8	OP
STOCK ISLAND MSD	MSD2	MONROE	IC	DFO	WA	---	---	0	6 / 1991	--- / ---	8.8	8.8	8	8	OP
KEY TOTAL:												37	37		
KISSIMMEE UTILITY AUTHORITY															
CANE ISLAND *	1GT	OSCEOLA	GT	NG	PL	DFO	TK	0	1 / 1995	--- / ---	17.5	19	17.5	19	OP
CANE ISLAND *	2CT	OSCEOLA	CT	NG	PL	DFO	TK	0	6 / 1995	--- / ---	35.5	37.5	34.5	36.5	OP
CANE ISLAND *	2CW	OSCEOLA	CA	WH	NA	DFO	---	0	6 / 1995	--- / ---	22	22	20	20	OP
CANE ISLAND *	3CT	OSCEOLA	CT	NG	PL	DFO	TK	0	1 / 2002	--- / ---	77	81	75	79	OP

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PLANT NAME	UNIT NO.	LOCATION	UNIT TYPE	PRIMARY FUEL		ALTERNATE FUEL		ALT. FUEL STORAGE (DAYS BURN)	COMMERCIAL IN-SERVICE MO. / YEAR	EXPECTED RETIREMENT MO. / YEAR	GROSS CAPABILITY		NET CAPABILITY		STATUS
				FUEL TYPE	TRANSP. METHOD	FUEL TYPE	TRANSP. METHOD				SUMMER (MW)	WINTER (MW)	SUMMER (MW)	WINTER (MW)	
KISSIMMEE UTILITY AUTHORITY (cont.)															
CANE ISLAND *	3CW	OSCEOLA	CA	WH	NA	DFO	---	0	1 / 2002	--- / ---	47.5	48.5	45	46	OP
INDIAN RIVER *	A	BREVARD	GT	NG	PL	DFO	TK	0	7 / 1989	--- / ---	4.4	5.6	3.8	4.4	OP
INDIAN RIVER *	B	BREVARD	GT	NG	PL	DFO	TK	0	7 / 1989	--- / ---	4.4	5.6	3.8	4.4	OP
STANTON *	1	ORANGE	ST	BIT	RR	---	---	0	7 / 1987	---	20.8	20.8	20.8	20.8	OP
STANTON A *	CT	ORANGE	CT	NG	PL	DFO	TK	3	10 / 2003	---	11.6	13.1	11.6	13.1	OP
STANTON A *	ST	ORANGE	CA	WH	PL	DFO	TK	3	10 / 2003	---	10.3	10.4	10.3	10.4	OP
KUA TOTAL:												242	254		
LAKELAND CITY OF															
LARSEN	2	POLK	GT	NG	PL	DFO	TK	16	11 / 1962	---	10	14	10	14	OP
LARSEN	3	POLK	GT	NG	PL	DFO	TK	16	12 / 1962	---	9	13	9	13	OP
LARSEN	8CT	POLK	CT	NG	PL	DFO	TK	3	7 / 1992	---	78	95	76	93	OP
LARSEN	8ST	POLK	CA	WH	PL	DFO	TK	3	4 / 1956	---	29	31	29	31	OP
MCINTOSH	2	POLK	ST	NG	PL	RFO	TK	14	6 / 1976	---	114	114	106	106	OP
MCINTOSH *	3	POLK	ST	BIT	RR	---	---	0	9 / 1982	---	219	219	205	205	OP
MCINTOSH	5CT	POLK	CT	NG	PL	---	---	0	5 / 2001	---	219	239	213	233	OP
MCINTOSH	5ST	POLK	CA	WH	NA	---	---	0	5 / 2002	---	126	121	125	121	OP
MCINTOSH	D1	POLK	IC	DFO	TK	---	---	0	1 / 1970	---	2.5	2.5	2.5	2.5	OP
MCINTOSH	D2	POLK	IC	DFO	TK	---	---	0	1 / 1970	---	2.5	2.5	2.5	2.5	OP
MCINTOSH	GT1	POLK	GT	NG	PL	DFO	TK	0	5 / 1973	---	17	19	16	19	OP
WINSTON	1-5	POLK	IC	DFO	TK	---	---	0	12 / 2001	---	12.5	12.5	12.5	12.5	OP
WINSTON	6-10	POLK	IC	DFO	TK	---	---	0	12 / 2001	---	12.5	12.5	12.5	12.5	OP
WINSTON	11-15	POLK	IC	DFO	TK	---	---	0	12 / 2001	---	12.5	12.5	12.5	12.5	OP
WINSTON	16-20	POLK	IC	DFO	TK	---	---	0	12 / 2001	---	12.5	12.5	12.5	12.5	OP
LAK TOTAL:												844	890		
LAKE WORTH UTILITIES CITY OF															
TOM G. SMITH	GT-1	PALM BEACH	GT	DFO	TK	---	---	0	12 / 1976	---	26	29	26	27	OP
TOM G. SMITH	GT-2	PALM BEACH	CT	NG	PL	DFO	TK	2	3 / 1978	---	21	23	20	20	OP
TOM G. SMITH	MU1	PALM BEACH	IC	DFO	TK	---	---	0	12 / 1965	---	2	2	1.8	2	IR

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PLANT NAME	UNIT NO.	LOCATION	UNIT TYPE	PRIMARY FUEL		ALTERNATE FUEL		ALT. FUEL STORAGE (DAYS BURN)	COMMERCIAL IN-SERVICE MO. / YEAR	EXPECTED RETIREMENT MO. / YEAR	GROSS CAPABILITY		NET CAPABILITY		STATUS
				FUEL TYPE	TRANSP. METHOD	FUEL TYPE	TRANSP. METHOD				SUMMER (MW)	WINTER (MW)	SUMMER (MW)	WINTER (MW)	
LAKE WORTH UTILITIES CITY OF (cont.)															
TOM G. SMITH	MU2	PALM BEACH	IC	DFO	TK	---	---	0	12 / 1965	--- / ---	2	2	1.8	2	IR
TOM G. SMITH	MU3	PALM BEACH	IC	DFO	TK	---	---	0	12 / 1965	--- / ---	2	2	1.8	2	IR
TOM G. SMITH	MU4	PALM BEACH	IC	DFO	TK	---	---	0	12 / 1965	--- / ---	2	2	1.8	2	IR
TOM G. SMITH	MU5	PALM BEACH	IC	DFO	TK	---	---	0	12 / 1965	--- / ---	2	2	1.8	2	IR
TOM G. SMITH	S-3	PALM BEACH	ST	NG	PL	RFO	TK	6	11 / 1967	--- / ---	27	27	22	24	OP
TOM G. SMITH	S-5	PALM BEACH	CA	WH	NA	---	---	0	3 / 1978	--- / ---	10	10	9	9	OP
LWU TOTAL:													77	80	
NEW SMYRNA BEACH UTILITIES COMMISSION OF															
FIELD STREET	1	VOLUSIA	GT	DFO	TK	---	---	0	5 / 2001	--- / ---	22	24	22	24	OP
FIELD STREET	2	VOLUSIA	GT	DFO	TK	---	---	0	5 / 2001	--- / ---	22	24	22	24	OP
NSB TOTAL:													44	48	
ORLANDO UTILITIES COMMISSION															
INDIAN RIVER *	A	BREVARD	GT	NG	PL	DFO	TK	0	7 / 1989	--- / ---	15.6	18.1	15.6	18.1	OP
INDIAN RIVER *	B	BREVARD	GT	NG	PL	DFO	TK	0	7 / 1989	--- / ---	15.6	18.1	15.6	18.1	OP
INDIAN RIVER *	C	BREVARD	GT	NG	PL	DFO	TK	0	8 / 1992	--- / ---	83	88.5	83	88.5	OP
INDIAN RIVER *	D	BREVARD	GT	NG	PL	DFO	TK	0	8 / 1992	--- / ---	83	88.5	83	88.5	OP
MCINTOSH *	3	POLK	ST	BIT	RR	---	---	0	9 / 1982	--- / ---	146	146	133	136	OP
ST. LUCIE *	2	ST. LUCIE	ST	NUC	TK	---	---	0	6 / 1983	--- / ---	63	63	60	60	OP
STANTON *	1	ORANGE	ST	BIT	RR	---	---	0	7 / 1987	--- / ---	321	321	302.3	302.3	OP
STANTON *	2	ORANGE	ST	BIT	RR	---	---	0	6 / 1996	--- / ---	344	344	324.3	324.3	OP
STANTON A *	CTA	ORANGE	CT	NG	PL	DFO	TK	3	10 / 2003	--- / ---	60.5	60.5	56.6	56.4	OP
STANTON A *	CTB	ORANGE	CT	NG	PL	DFO	TK	3	10 / 2003	--- / ---	60.5	60.5	56.6	56.4	OP
STANTON A *	ST	ORANGE	CA	WH	PL	DFO	TK	3	10 / 2003	--- / ---	76.7	81.6	71	75.6	OP
STANTON B	CT	ORANGE	CT	NG	PL	DFO	TK	3	2 / 2010	--- / ---	173	185	170	182	OP
STANTON B	ST	ORANGE	CA	WH	NA	DFO	TK	3	2 / 2010	--- / ---	122	125	122	125	OP
OUC TOTAL:													1,493	1,531	

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PLANT NAME	UNIT NO.	LOCATION	UNIT TYPE	PRIMARY FUEL		ALTERNATE FUEL		ALT. FUEL STORAGE (DAYS BURN)	COMMERCIAL IN-SERVICE MO. / YEAR	EXPECTED RETIREMENT MO. / YEAR	GROSS CAPABILITY		NET CAPABILITY		STATUS
				FUEL TYPE	TRANSP. METHOD	FUEL TYPE	TRANSP. METHOD				SUMMER (MW)	WINTER (MW)	SUMMER (MW)	WINTER (MW)	
REEDY CREEK IMPROVEMENT DISTRICT															
CENTRAL ENERGY PLANT	1	ORANGE	CC	NG	PL	DFO	TK	2	1 / 1989	--- / ---	55	55	54	54	OP
CEP DIESEL	1	ORANGE	IC	DFO	TK	---	---	0	5 / 2014	--- / ---	1.2	1.2	1.2	1.2	IR
REEDY CREEK DIESEL	D1-D	ORANGE	IC	DFO	TK	---	---	0	1 / 1983	--- / ---	5	5	4.6	4.6	IR
RCI TOTAL:												54	54		
SEMINOLE ELECTRIC COOPERATIVE INC															
MIDULLA GENERATING STATION	4	HARDEE	GT	NG	PL	DFO	TK	0	12 / 2006	--- / ---	54	62	54	62	OP
MIDULLA GENERATING STATION	5	HARDEE	GT	NG	PL	DFO	TK	0	12 / 2006	--- / ---	54	62	54	62	OP
MIDULLA GENERATING STATION	6	HARDEE	GT	NG	PL	DFO	TK	0	12 / 2006	--- / ---	54	62	54	62	OP
MIDULLA GENERATING STATION	7	HARDEE	GT	NG	PL	DFO	TK	0	12 / 2006	--- / ---	54	62	54	62	OP
MIDULLA GENERATING STATION	8	HARDEE	GT	NG	PL	DFO	TK	0	12 / 2006	--- / ---	54	62	54	62	OP
MIDULLA GENERATING STATION	CT1	HARDEE	CT	NG	PL	DFO	TK	0	1 / 2002	--- / ---	179	213	177	211	OP
MIDULLA GENERATING STATION	CT2	HARDEE	CT	NG	PL	DFO	TK	0	1 / 2002	--- / ---	153	182	151	180	OP
MIDULLA GENERATING STATION	ST	HARDEE	CA	WH	NA	DFO	TK	0	1 / 2002	--- / ---	185	187	183	185	OP
SEMINOLE GENERATING STATION	1	PUTNAM	ST	BIT	RR	---	---	0	2 / 1984	--- / ---	673	713	626	664	OP
SEMINOLE GENERATING STATION	2	PUTNAM	ST	BIT	RR	---	---	0	12 / 1984	--- / ---	680	713	634	665	OP
SEC TOTAL:												2,041	2,215		
TALLAHASSEE CITY OF															
C. H. CORN HYDRO	1	LEON	HY	WAT	WA	---	---	0	9 / 1985	2 / 2019	0	0	0	0	OP
C. H. CORN HYDRO	2	LEON	HY	WAT	WA	---	---	0	8 / 1985	2 / 2019	0	0	0	0	OP
C. H. CORN HYDRO	3	LEON	HY	WAT	WA	---	---	0	1 / 1986	2 / 2019	0	0	0	0	OP
HOPKINS	2	LEON	CA	WH	NA	NG	PL	0	10 / 1977	---	146	150	141	145	OP
HOPKINS	2A	LEON	CT	NG	PL	DFO	TK	3	6 / 2008	---	160	186	159	185	OP
HOPKINS	GT3	LEON	GT	NG	PL	DFO	TK	3	9 / 2005	---	49	49	46	48	OP
HOPKINS	GT4	LEON	GT	NG	PL	DFO	TK	3	11 / 2005	---	49	49	46	48	OP
PURDOM	8CT	WAKULLA	CT	NG	PL	DFO	TK	9	7 / 2000	---	160.7	185.2	150	182	OP
PURDOM	8ST	WAKULLA	CA	WH	NA	---	---	0	7 / 2000	---	76.3	80.8	72	76	OP

*Jointly Owned Unit

**2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL
FRCC Form 1.0
EXISTING GENERATING FACILITIES AS OF JANUARY 1, 2019**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
PLANT NAME	UNIT NO.	LOCATION	UNIT TYPE	PRIMARY FUEL		ALTERNATE FUEL		ALT. FUEL STORAGE (DAYS BURN)	COMMERCIAL IN-SERVICE MO. / YEAR	EXPECTED RETIREMENT MO. / YEAR	GROSS CAPABILITY		NET CAPABILITY		STATUS
				FUEL TYPE	TRANSP. METHOD	FUEL TYPE	TRANSP. METHOD				SUMMER (MW)	WINTER (MW)	SUMMER (MW)	WINTER (MW)	
TALLAHASSEE CITY OF (cont.)															
SUBSTATION 12	IC 1	LEON	IC	NG	PL	---	---	0	10 / 2018	--- / ---	9.3	9.3	9.2	9.2	OP
SUBSTATION 12	IC 2	LEON	IC	NG	PL	---	---	0	10 / 2018	--- / ---	9.3	9.3	9.2	9.2	OP
TAL TOTAL:												632	702		
TAMPA ELECTRIC COMPANY															
BAYSIDE	3	HILLSBOROUGH	GT	NG	PL	---	---	0	7 / 2009	--- / ---	57	62	56	61	OP
BAYSIDE	4	HILLSBOROUGH	GT	NG	PL	---	---	0	7 / 2009	--- / ---	57	62	56	61	OP
BAYSIDE	5	HILLSBOROUGH	GT	NG	PL	---	---	0	4 / 2009	--- / ---	57	62	56	61	OP
BAYSIDE	6	HILLSBOROUGH	GT	NG	PL	---	---	0	4 / 2009	--- / ---	57	62	56	61	OP
BAYSIDE	1A	HILLSBOROUGH	CT	NG	PL	---	---	0	4 / 2003	--- / ---	158	185	156	183	OP
BAYSIDE	1B	HILLSBOROUGH	CT	NG	PL	---	---	0	4 / 2003	--- / ---	158	185	156	183	OP
BAYSIDE	1C	HILLSBOROUGH	CT	NG	PL	---	---	0	4 / 2003	--- / ---	158	185	156	183	OP
BAYSIDE	1ST	HILLSBOROUGH	CA	WH	NA	---	---	0	4 / 2003	--- / ---	236	246	233	243	OP
BAYSIDE	2A	HILLSBOROUGH	CT	NG	PL	---	---	0	1 / 2004	--- / ---	158	185	156	183	OP
BAYSIDE	2B	HILLSBOROUGH	CT	NG	PL	---	---	0	1 / 2004	--- / ---	158	185	156	183	OP
BAYSIDE	2C	HILLSBOROUGH	CT	NG	PL	---	---	0	1 / 2004	--- / ---	158	185	156	183	OP
BAYSIDE	2D	HILLSBOROUGH	CT	NG	PL	---	---	0	1 / 2004	--- / ---	158	185	156	183	OP
BAYSIDE	2ST	HILLSBOROUGH	CA	WH	NA	---	---	0	1 / 2004	--- / ---	308	318	305	315	OP
BIG BEND	1	HILLSBOROUGH	ST	BIT	WA	NG	PL	0	10 / 1970	--- / ---	320	330	305	315	OP
BIG BEND	2	HILLSBOROUGH	ST	BIT	WA	NG	PL	0	4 / 1973	6 / 2021	360	370	340	350	OP
BIG BEND	3	HILLSBOROUGH	ST	BIT	WA	NG	PL	0	5 / 1976	---	420	425	395	400	OP
BIG BEND	4	HILLSBOROUGH	ST	BIT	WA	NG	PL	0	2 / 1985	---	470	475	437	442	OP
BIG BEND	CT4	HILLSBOROUGH	GT	NG	PL	---	---	0	8 / 2009	---	57	62	56	61	OP
POLK	2	POLK	CT	NG	PL	DFO	TK	3	7 / 2000	---	151	181	150	180	OP
POLK	3	POLK	CT	NG	PL	DFO	TK	3	5 / 2002	---	151	181	150	180	OP
POLK	4	POLK	CT	NG	PL	---	---	0	3 / 2007	---	151	181	150	180	OP
POLK	5	POLK	CT	NG	PL	---	---	0	4 / 2007	---	151	181	150	180	OP
POLK	1CA	POLK	CA	WH	NA	---	---	0	9 / 1996	---	120	120	51	51	OP
POLK	1CT	POLK	CT	PC	TK	NG	PL	0	9 / 1996	---	170	170	169	169	OP
POLK	2 St	POLK	CA	WH	NA	---	---	0	1 / 2017	---	479	499	461	480	OP
TEC TOTAL (Excluding Solar):												4,668	5,071		

*Jointly Owned Unit

EXISTING GENERATING FACILITIES AS OF JANUARY 1, 2019

US CORPS OF ENGINEERS - MOBILE

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2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL
FRCC Form 1.0 (Solar)
EXISTING SOLAR GENERATING FACILITIES AS OF DECEMBER 31, 2018

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
PLANT NAME	UNIT NO.	LOCATION	UNIT TYPE	PRIMARY FUEL TYPE	COMMERCIAL IN-SERVICE MO. / YEAR	EXPECTED RETIREMENT MO. / YEAR	NAMEPLATE CAPABILITY _{AC} (MW)	POTENTIAL EXPORT TO GRID AT TIME OF PEAK				STATUS
								FIRM		NON-FIRM		
								SUM (MW)	WIN (MW)	SUM (MW)	WIN (MW)	
<u>DUKE ENERGY FLORIDA</u>												
HAMILTON SOLAR	PV1	HAMILTON	PV	SUN	12 / 2018	--- / -----	74.9	42.6	---	---	---	OP
OSCEOLA SOLAR	PV1	OSCEOLA	PV	SUN	5 / 2016	--- / -----	3.8	1.7	---	---	---	OP
PERRY SOLAR	PV1	TAYLOR	PV	SUN	8 / 2016	--- / -----	5.1	2.2	---	---	---	OP
SUWANNEE RIVER	PV1	SUWANNEE	PV	SUN	11 / 2017	--- / -----	8.8	3.9	---	---	---	OP
DEF SOLAR TOTAL:							17.7	50.4	0.0	0.0	0.0	
<u>FLORIDA POWER & LIGHT COMPANY</u>												
BABCOCK RANCH SOLAR	1	CHARLOTTE	PV	SUN	12 / 2016	--- / -----	74.5	38.7	---	---	---	OP
BAREFOOT BAY SOLAR	1	BREVARD	PV	SUN	3 / 2018	--- / -----	74.5	40.2	---	---	---	OP
BLUE CYPRESS SOLAR	1	INDIAN RIVER	PV	SUN	3 / 2018	--- / -----	74.5	40.2	---	---	---	OP
CITRUS SOLAR	1	DESOTO	PV	SUN	12 / 2016	--- / -----	74.5	38.7	---	---	---	OP
CORAL FARMS SOLAR	1	PUTNAM	PV	SUN	1 / 2018	--- / -----	74.5	40.2	---	---	---	OP
DESOTO NEXT GENERATION SOLAR ENERGY CENTER	1	DESOTO	PV	SUN	10 / 2009	--- / -----	25.0	11.4	---	---	---	OP
HAMMOCK SOLAR	1	HENDRY	PV	SUN	3 / 2018	--- / -----	74.5	40.2	---	---	---	OP
HORIZON SOLAR	1	PUTNAM	PV	SUN	1 / 2018	--- / -----	74.5	40.2	---	---	---	OP
INDIAN RIVER SOLAR	1	INDIAN RIVER	PV	SUN	1 / 2018	--- / -----	74.5	40.2	---	---	---	OP
LOGGERHEAD SOLAR	1	ST LUCIE	PV	SUN	3 / 2018	--- / -----	74.5	40.2	---	---	---	OP
MANATEE SOLAR	1	MANATEE	PV	SUN	12 / 2016	--- / -----	74.5	38.7	---	---	---	OP
SPACE COAST	1	BREVARD	PV	SUN	4 / 2010	--- / -----	10.0	3.2	---	---	---	OP
WILDFLOWER SOLAR	1	DESOTO	PV	SUN	1 / 2018	--- / -----	74.5	40.2	---	---	---	OP
FPL SOLAR TOTAL:							854.5	452.3	0.0	0.0	0.0	
<u>TAMPA ELECTRIC COMPANY</u>												
BALM	1	POLK	PV	SUN	9 / 2018	--- / -----	74.4	41.3	---	---	---	OP
BIG BEND SOLAR	1	HILLSBOROUGH	PV	SUN	2 / 2017	--- / -----	19.4	13.8	---	---	---	OP
LEGOLAND	1	HILLSBOROUGH	PV	SUN	12 / 2016	--- / -----	1.4	0.5	---	---	---	OP
PAYNE CREEK SOLAR	1	POLK	PV	SUN	9 / 2018	--- / -----	70.3	40.0	---	---	---	OP
TIA	1	HILLSBOROUGH	PV	SUN	12 / 2015	--- / -----	1.6	0.5	---	---	---	OP
TEC SOLAR TOTAL:							167.1	96.1	0.0	0.0	0.0	
FRCC EXISTING (Excluding Firm Solar):								48,154	51,919			
FRCC EXISTING FIRM SOLAR:								599	0			
TOTAL FRCC EXISTING:								48,752	51,919			

**2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL**

**FRCC Form 2.0
SUMMARY OF JOINTLY OWNED GENERATING FACILITIES AS OF JANUARY 1, 2019**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
PLANT NAME	UTILS	LOCATION	UNIT TYPE	PRIMARY FUEL		ALTERNATE FUEL		ALT. FUEL STORAGE (DAYS BURN)	COMMERCIAL IN-SERVICE MO. / YEAR	EXPECTED RETIREMENT MO. / YEAR	NET CAPABILITY		STATUS
				FUEL TYPE	TRANSP. METHOD	FUEL TYPE	TRANSP. METHOD				SUMMER (MW)	WINTER (MW)	
CANE ISLAND 1	FMPA KUA	OSCEOLA	GT	NG	PL	DFO	TK	0	11 / 1994	--- / ---	17.5 17.5 35	19 19 38	OP OP
CANE ISLAND 2	FMPA KUA	OSCEOLA	CT	NG	PL	DFO	TK	0	6 / 1995	--- / ---	54.5 54.5 109	56.5 56.5 113	OP OP
CANE ISLAND 3	FMPA KUA	OSCEOLA	CT	NG	PL	---	---	0	1 / 2002	--- / ---	120 120 240	125 125 250	OP OP
INDIAN RIVER A	FMPA KUA OUC	BREVARD	GT	NG	PL	DFO	TK	0	7 / 1989	--- / ---	12.2 3.8 15.6 31.6	14.1 4.4 18.1 36.6	OP OP OP
INDIAN RIVER B	FMPA KUA OUC	BREVARD	GT	NG	PL	DFO	TK	0	7 / 1989	--- / ---	12.2 3.8 15.6 31.6	14.1 4.4 18.1 36.6	OP OP OP
INDIAN RIVER C	FMPA OUC	BREVARD	GT	NG	PL	DFO	TK	0	8 / 1992	--- / ---	21.6 83 104.6	23 88.5 111.5	OP OP
INDIAN RIVER D	FMPA OUC	BREVARD	GT	NG	PL	DFO	TK	0	8 / 1992	--- / ---	21.6 83 104.6	23 88.5 111.5	OP OP
MCINTOSH 3	LAK OUC	POLK	ST	BIT	RR	NA	TK	0	9 / 1982	--- / ---	205 133 338	205 136 341	OP OP
SCHERER 4	FPL JEA	MONROE, GA	ST	BIT	RR	---	---	0	7 / 1988	2 / 2029	634 198 832	635 198 833	OP OP

**2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL**

**FRCC Form 2.0
SUMMARY OF JOINTLY OWNED GENERATING FACILITIES AS OF JANUARY 1, 2019**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
PLANT NAME	UTILS	LOCATION	UNIT TYPE	PRIMARY FUEL		ALTERNATE FUEL		ALT. FUEL STORAGE (DAYS BURN)	COMMERCIAL IN-SERVICE MO. / YEAR	EXPECTED RETIREMENT MO. / YEAR	NET CAPABILITY		STATUS
				FUEL TYPE	TRANSP. METHOD	FUEL TYPE	TRANSP. METHOD				SUMMER (MW)	WINTER (MW)	
ST. LUCIE 2	FMPA FPL OUC	ST. LUCIE	ST	NUC	TK	---	---	0	6 / 1983	--- / ---	86.2	89.6	OP
											840	860	OP
											60	60	OP
											986.2	1009.6	
STANTON 1	FMPA KUA OUC	ORANGE	ST	BIT	RR	---	---	0	7 / 1987	--- / ---	114.8	114.8	OP
											20.8	20.8	OP
											302.3	302.3	OP
											437.9	437.9	
STANTON 2	FMPA	ORANGE	ST	BIT	RR	---	---	0	6 / 1996	--- / ---	125.1	125.1	OP
											324.3	324.3	OP
											449.4	449.4	
STANTON A (includes SOU capacity purchase)	FMPA KUA OUC	ORANGE	CT	NG	PL	DFO	TK	3	10 / 2003	--- / ---	103.3	110.6	OP
											21.9	23.5	OP
											526.2	538.4	OP
											651.4	672.5	

2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL
FRCC Form 1.1
PLANNED AND PROSPECTIVE GENERATING FACILITY ADDITIONS AND CHANGES
(JANUARY 1, 2019 THROUGH DECEMBER 31, 2028)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
UTILITY	PLANT NAME	UNIT NO.	LOCATION	UNIT TYPE	PRIMARY FUEL		ALTERNATE FUEL		ALT. FUEL STORAGE (DAYS BURN)	EFFECTIVE CHANGE DATE MO. / YEAR	GROSS CAPABILITY		NET CAPABILITY		CHANGE/ STATUS
					TYPE	TRANS.	TYPE	TRANS.			SUMMER (MW)	WINTER (MW)	SUMMER (MW)	WINTER (MW)	
2019															
FMPA	ST. LUCIE	2	ST LUCIE	ST	NUC	TK	---	---	0	1 / 2019	13.2	13.7	13.2	13.7	OT
FMPA	STANTON	1	ORANGE	ST	BIT	RR	---	---	0	1 / 2019	20.8	20.8	20.8	20.8	OT
FMPA	STANTON	2	ORANGE	ST	BIT	RR	---	---	0	1 / 2019	16.9	16.9	16.9	16.9	OT
TAL	C. H. CORN HYDRO	1	LEON	HY	WAT	WA	---	---	0	2 / 2019	0	0	0	0	RT
TAL	C. H. CORN HYDRO	2	GADSDEN	HY	WAT	WA	---	---	0	2 / 2019	0	0	0	0	RT
TAL	C. H. CORN HYDRO	3	LEON	HY	WAT	WA	---	---	0	2 / 2019	0	0	0	0	RT
TAL	HOPKINS	IC 2	LEON	IC	NG	PL	---	---	0	2 / 2019	18.7	18.7	18.4	18.4	TS
TAL	HOPKINS	IC 3	LEON	IC	NG	PL	---	---	0	2 / 2019	18.7	18.7	18.4	18.4	TS
TAL	HOPKINS	IC 4	LEON	IC	NG	PL	---	---	0	2 / 2019	18.7	18.7	18.4	18.4	TS
TAL	HOPKINS	IC 1	LEON	IC	NG	PL	---	---	0	3 / 2019	18.7	18.7	18.4	18.4	TS
FPL	SANFORD	5CTA	VOLUSIA	CT	NG	PL	---	---	0	4 / 2019	25.7	3.1	25.7	3.1	A
FPL	SANFORD	5CTB	VOLUSIA	CT	NG	PL	---	---	0	4 / 2019	25.7	3.1	25.7	3.1	A
FPL	SANFORD	5CTC	VOLUSIA	CT	NG	PL	---	---	0	4 / 2019	25.7	3.1	25.7	3.1	A
FPL	SANFORD	5CTD	VOLUSIA	CT	NG	PL	---	---	0	4 / 2019	25.7	3.1	25.7	3.1	A
FPL	SANFORD	5ST	VOLUSIA	CA	NG	PL	---	---	0	4 / 2019	56.2	41.6	56.2	41.6	A
FPL	WEST COUNTY	CT2A	PALM BEACH	CT	NG	PL	DFO	TK	2	4 / 2019	5	8.1	5	8.1	A
FPL	WEST COUNTY	CT2B	PALM BEACH	CT	NG	PL	DFO	TK	2	4 / 2019	5	8.1	5	8.1	A
FPL	WEST COUNTY	CT2C	PALM BEACH	CT	NG	PL	DFO	TK	2	4 / 2019	5	8.1	5	8.1	A
FPL	WEST COUNTY	ST2	PALM BEACH	CA	NG	PL	DFO	TK	2	4 / 2019	6	-4.3	6	-4.3	A
FPL	FT. MYERS	2CTA	LEE	CT	NG	PL	---	---	0	5 / 2019	18.9	0	18.9	0	A
FPL	FT. MYERS	2CTB	LEE	CT	NG	PL	---	---	0	5 / 2019	18.9	0	18.9	0	A
FPL	FT. MYERS	2CTC	LEE	CT	NG	PL	---	---	0	5 / 2019	18.9	0	18.9	0	A
FPL	FT. MYERS	2CTD	LEE	CT	NG	PL	---	---	0	5 / 2019	18.9	0	18.9	0	A
FPL	FT. MYERS	2CTE	LEE	CT	NG	PL	---	---	0	5 / 2019	18.9	0	18.9	0	A
FPL	FT. MYERS	2CTF	LEE	CT	NG	PL	---	---	0	5 / 2019	18.9	0	18.9	0	A
FPL	FT. MYERS	2ST1	LEE	CA	WH	NA	---	---	0	5 / 2019	89.6	74.4	89.6	74.4	A
FPL	FT. MYERS	2ST2	LEE	CA	WH	NA	---	---	0	5 / 2019	-4	-39.4	-4	-39.4	D
FPL	TURKEY POINT	5CTA	DADE	CT	NG	PL	DFO	TK	3	5 / 2019	5.9	0	5.9	0	A
FPL	TURKEY POINT	5CTB	DADE	CT	NG	PL	DFO	TK	3	5 / 2019	5.9	0	5.9	0	A
FPL	TURKEY POINT	5CTC	DADE	CT	NG	PL	DFO	TK	3	5 / 2019	5.9	0	5.9	0	A
FPL	TURKEY POINT	5CTD	DADE	CT	NG	PL	DFO	TK	3	5 / 2019	5.9	0	5.9	0	A
FPL	TURKEY POINT	5ST	DADE	CA	NG	PL	DFO	TK	3	5 / 2019	-0.6	0	-0.6	0	D
FPL	WEST COUNTY	CT2A	PALM BEACH	CT	NG	PL	DFO	TK	2	5 / 2019	10.1	16.3	10.1	16.3	A
FPL	WEST COUNTY	CT2B	PALM BEACH	CT	NG	PL	DFO	TK	2	5 / 2019	10.1	16.3	10.1	16.3	A
FPL	WEST COUNTY	CT2C	PALM BEACH	CT	NG	PL	DFO	TK	2	5 / 2019	10.1	16.3	10.1	16.3	A
FPL	WEST COUNTY	ST2	PALM BEACH	CA	NG	PL	DFO	TK	2	5 / 2019	12.7	-8.9	12.7	-8.9	A

*Jointly Owned Unit

2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL
FRCC Form 1.1
PLANNED AND PROSPECTIVE GENERATING FACILITY ADDITIONS AND CHANGES
(JANUARY 1, 2019 THROUGH DECEMBER 31, 2028)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
UTILITY	PLANT NAME	UNIT NO.	LOCATION	UNIT TYPE	PRIMARY FUEL		ALTERNATE FUEL		ALT. FUEL STORAGE (DAYS BURN)	EFFECTIVE CHANGE DATE MO. / YEAR	GROSS CAPABILITY		NET CAPABILITY		CHANGE/ STATUS
					TYPE	TRANS.	TYPE	TRANS.			SUMMER (MW)	WINTER (MW)	SUMMER (MW)	WINTER (MW)	
2019 (cont.)															
JEA	BRANDY BRANCH	CT2	DUVAL	CT	NG	PL	---	---	0	5 / 2019	41.5	28.5	42	16.5	A
JEA	BRANDY BRANCH	CT3	DUVAL	CT	NG	PL	DFO	TK	0	5 / 2019	41.5	28.5	42	16.5	A
FPL	OKEECHOBEE ENERGY CENTER	1	UNKNOWN	CC	NG	PL	DFO	PL	0	6 / 2019	1778	1752	1778	1752	P
FPL	SANFORD	4CTA	VOLUSIA	CT	NG	PL	---	---	0	6 / 2019	23.2	0	23.2	0	A
FPL	SANFORD	4CTB	VOLUSIA	CT	NG	PL	---	---	0	6 / 2019	23.2	0	23.2	0	A
FPL	SANFORD	4CTC	VOLUSIA	CT	NG	PL	---	---	0	6 / 2019	23.2	0	23.2	0	A
FPL	SANFORD	4CTD	VOLUSIA	CT	NG	PL	---	---	0	6 / 2019	23.2	0	23.2	0	A
FPL	SANFORD	4ST	VOLUSIA	CA	NG	PL	---	---	0	6 / 2019	54.2	41	54.2	41	A
FPL	TURKEY POINT	5CTA	DADE	CT	NG	PL	DFO	TK	3	6 / 2019	5.8	0	5.8	0	A
FPL	TURKEY POINT	5CTB	DADE	CT	NG	PL	DFO	TK	3	6 / 2019	5.8	0	5.8	0	A
FPL	TURKEY POINT	5CTC	DADE	CT	NG	PL	DFO	TK	3	6 / 2019	5.8	0	5.8	0	A
FPL	TURKEY POINT	5CTD	DADE	CT	NG	PL	DFO	TK	3	6 / 2019	5.8	0	5.8	0	A
FPL	TURKEY POINT	5ST	DADE	CA	NG	PL	DFO	TK	3	6 / 2019	-0.2	0	-0.2	0	D
FPL	FT. MYERS	2CTA	LEE	CT	NG	PL	---	---	0	8 / 2019	4.8	0	4.8	0	A
FPL	FT. MYERS	2CTB	LEE	CT	NG	PL	---	---	0	8 / 2019	4.8	0	4.8	0	A
FPL	FT. MYERS	2CTC	LEE	CT	NG	PL	---	---	0	8 / 2019	4.8	0	4.8	0	A
FPL	FT. MYERS	2CTD	LEE	CT	NG	PL	---	---	0	8 / 2019	4.8	0	4.8	0	A
FPL	FT. MYERS	2CTE	LEE	CT	NG	PL	---	---	0	8 / 2019	4.8	0	4.8	0	A
FPL	FT. MYERS	2CTF	LEE	CT	NG	PL	---	---	0	8 / 2019	4.8	0	4.8	0	A
FPL	FT. MYERS	2ST1	LEE	CA	WH	NA	---	---	0	8 / 2019	2.9	1.5	2.9	1.5	A
FPL	FT. MYERS	2ST2	LEE	CA	WH	NA	---	---	0	8 / 2019	8.3	4.5	8.3	4.5	A
OUC	STANTON	2	ORANGE	ST	BIT	RR	---	---	0	10 / 2019	7.1	7.1	7.1	7.1	OT
DEF	P. L. BARTOW	4AGT	PINELLAS	CT	NG	PL	DFO	TK	0	11 / 2019	11	21	11	21	A
DEF	P. L. BARTOW	4BGT	PINELLAS	CT	NG	PL	DFO	TK	0	11 / 2019	11	21	11	21	A
DEF	P. L. BARTOW	4CGT	PINELLAS	CT	NG	PL	DFO	TK	0	11 / 2019	11	21	11	21	A
DEF	P. L. BARTOW	4DGT	PINELLAS	CT	NG	PL	DFO	TK	0	11 / 2019	11	21	11	21	A
DEF	P. L. BARTOW	4ST	PINELLAS	CA	WH	NA	DFO	TK	0	11 / 2019	20	38	20	38	A
FPL	CAPE CANAVERAL	3A	BREVARD	CT	NG	PL	DFO	TK	4	11 / 2019	9.4	4.7	9.4	4.7	A
FPL	CAPE CANAVERAL	3B	BREVARD	CT	NG	PL	DFO	TK	4	11 / 2019	9.4	4.7	9.4	4.7	A
FPL	CAPE CANAVERAL	3C	BREVARD	CT	NG	PL	DFO	TK	4	11 / 2019	9.4	4.7	9.4	4.7	A
FPL	CAPE CANAVERAL	3ST	BREVARD	CT	NG	PL	DFO	TK	4	11 / 2019	4.8	0.9	4.8	0.9	A
FPL	MANATEE	3CTA	MANATEE	CT	NG	PL	---	---	0	11 / 2019	25.5	0	25.5	0	A
FPL	MANATEE	3CTB	MANATEE	CT	NG	PL	---	---	0	11 / 2019	25.5	0	25.5	0	A
FPL	MANATEE	3CTC	MANATEE	CT	NG	PL	---	---	0	11 / 2019	25.5	0	25.5	0	A
FPL	MANATEE	3CTD	MANATEE	CT	NG	PL	---	---	0	11 / 2019	25.5	0	25.5	0	A
FPL	MANATEE	3ST	MANATEE	CA	NG	PL	---	---	0	11 / 2019	14	0	14	0	A

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(JANUARY 1, 2019 THROUGH DECEMBER 31, 2028)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
UTILITY	PLANT NAME	UNIT NO.	LOCATION	UNIT TYPE	PRIMARY FUEL		ALTERNATE FUEL		ALT. FUEL STORAGE (DAYS BURN)	EFFECTIVE CHANGE DATE MO. / YEAR	GROSS CAPABILITY		NET CAPABILITY		CHANGE/ STATUS
					TYPE	TRANS.	TYPE	TRANS.			SUMMER (MW)	WINTER (MW)	SUMMER (MW)	WINTER (MW)	
2019 (cont.)															
SEC	MIDULLA GENERATING STATION	CT2	HARDEE	CT	NG	PL	DFO	TK	0	11 / 2019	30	37	30	37	A
FPL	TURKEY POINT	5ST	DADE	CA	NG	PL	DFO	TK	3	12 / 2019	40	35	40	35	A
2019 TOTAL:												2,932	2,322		
2020															
FMPA	ST. LUCIE	2	ST LUCIE	ST	NUC	TK	---	---	0	1 / 2020	-1.5	-1.6	-1.5	-1.6	OT
FMPA	STANTON	1	ORANGE	ST	BIT	RR	---	---	0	1 / 2020	6.2	6.2	6.2	6.2	OT
KUA	STANTON	1	ORANGE	ST	BIT	RR	---	---	0	1 / 2020	1.4	1.4	1.4	1.4	A
LAK	MCINTOSH	GT2	POLK	CT	NG	PL	DFO	TK	0	4 / 2020	117	127	115	125	T
OUC	STANTON	1	ORANGE	ST	BIT	RR	---	---	0	4 / 2020	15.8	5.8	15.8	15.8	OT
DEF	AVON PARK	P1	HIGHLANDS	GT	NG	PL	DFO	TK	3	6 / 2020	-24	-25	-24	-25	RT
DEF	AVON PARK	P2	HIGHLANDS	GT	DFO	TK	---	---	0	6 / 2020	-24	-25	-24	-25	RT
DEF	HIGGINS	P1	PINELLAS	GT	NG	PL	DFO	TK	0	6 / 2020	0	0	0	0	RT
DEF	HIGGINS	P2	PINELLAS	GT	NG	PL	DFO	TK	0	6 / 2020	0	0	0	0	RT
DEF	HIGGINS	P3	PINELLAS	GT	NG	PL	DFO	TK	0	6 / 2020	0	0	0	0	RT
DEF	HIGGINS	P4	PINELLAS	GT	NG	PL	DFO	TK	1	6 / 2020	0	0	0	0	RT
TAL	HOPKINS	IC 5	LEON	IC	NG	PL	---	---	0	6 / 2020	18.7	18.7	18.4	18.4	P
FPL	TURKEY POINT	4	DADE	ST	NUC	TK	---	---	0	10 / 2020	20	20	20	20	A
2020 TOTAL:												127	135		
2021															
FPL	WEST COUNTY	3GT1	PALM BEACH	CT	NG	PL	DFO	TK	2	5 / 2021	5.1	8.2	5.1	8.2	A
FPL	WEST COUNTY	3GT2	PALM BEACH	CT	NG	PL	DFO	TK	2	5 / 2021	5.1	8.2	5.1	8.2	A
FPL	WEST COUNTY	3GT3	PALM BEACH	CT	NG	PL	DFO	TK	2	5 / 2021	5.1	8.2	5.1	8.2	A
FPL	WEST COUNTY	3ST	PALM BEACH	CA	NG	PL	DFO	TK	2	5 / 2021	5.7	-4.6	5.7	-4.6	A
TEC	BIG BEND	1	HILLSBOROUGH	ST	BIT	WA	NG	PL	0	6 / 2021	-410	-420	-305	-315	FC
TEC	BIG BEND	2	HILLSBOROUGH	ST	BIT	WA	NG	PL	0	6 / 2021	-410	-420	-340	-350	RT
TEC	BIG BEND	CT5	HILLSBOROUGH	GT	NG	PL	---	---	0	6 / 2021	362	394	330	350	P
TEC	BIG BEND	CT6	HILLSBOROUGH	GT	NG	PL	---	---	0	6 / 2021	362	394	330	350	P
FPL	MANATEE	1	MANATEE	ST	NG	PL	RFO	WA	21	10 / 2021	-841	-851.6	-809	-819	RT
FPL	MANATEE	2	MANATEE	ST	NG	PL	RFO	WA	21	10 / 2021	-841	-851.6	-809	-819	RT
FPL	2022 BATTERY STORAGE	1	UNKNOWN	OT	OTH	NA	---	---	0	12 / 2021	469	469	469	469	P
2021 TOTAL:												-1,113	-1,114		

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
UTILITY	PLANT NAME	UNIT NO.	LOCATION	UNIT TYPE	PRIMARY FUEL		ALTERNATE FUEL		ALT. FUEL STORAGE (DAYS BURN)	EFFECTIVE CHANGE DATE MO. / YEAR	GROSS CAPABILITY		NET CAPABILITY		CHANGE/ STATUS
					TYPE	TRANS.	TYPE	TRANS.			SUMMER (MW)	WINTER (MW)	SUMMER (MW)	WINTER (MW)	
2022															
FMPA	TREASURE COAST ENERGY CTR	1	ST LUCIE	CT	NG	PL	DFO	TK	0	1 / 2022	7.5	7.5	7.5	7.5	OT
FMPA	TREASURE COAST ENERGY CTR	1	ST LUCIE	CA	WH	NA	DFO	RR	0	1 / 2022	7.5	7.5	7.5	7.5	OT
FPL	DANIA BEACH CLEAN ENERGY	1	BROWARD	CC	NG	PL	DFO	WA	0	6 / 2022	1163	1176	1163	1176	P
GRU	DEERHAVEN	FS01	ALACHUA	ST	NG	PL	RFO	TK	0	9 / 2022	-80	-80	-75	-75	RT
SEC	SEMINOLE CC FACILITY	TBD	PUTNAM	CC	NG	PL	---	---	0	12 / 2022	1134	1149	1108	1122	T
2022 TOTAL:												2,211	2,238		
2023															
SEC	SEMINOLE GENERATING STATION	1	PUTNAM	ST	BIT	RR	---	---	0	1 / 2023	-673	-713	-626	-664	M
TEC	BIG BEND	3	HILLSBOROUGH	ST	BIT	WA	NG	PL	0	1 / 2023	0	0	-125.5	-164.5	D
TEC	BIG BEND	4	HILLSBOROUGH	ST	BIT	WA	NG	PL	0	1 / 2023	0	0	-125.5	-164.5	D
TEC	BIG BEND	CT5	HILLSBOROUGH	GT	NG	PL	---	---	0	1 / 2023	30	42	30	42	P
TEC	BIG BEND	CT6	HILLSBOROUGH	GT	NG	PL	---	---	0	1 / 2023	30	42	30	42	P
TEC	BIG BEND	ST1	HILLSBOROUGH	ST	NG	PL	---	---	0	1 / 2023	337	337	335	335	P
TEC	FUTURE	CT1	UNKNOWN	GT	NG	PL	---	---	0	1 / 2023	231	247	229	245	P
2023 TOTAL:												-253	-329		
2024															
FMPA	CANE ISLAND	4CT	OSCEOLA	CT	NG	PL	---	---	0	1 / 2024	7.5	7.5	7.5	7.5	OT
FMPA	CANE ISLAND	4CW	OSCEOLA	CA	WH	NA	---	---	0	1 / 2024	7.5	7.5	7.5	7.5	OT
DEF	OSPREY	CT1	POLK	CT	NG	PL	---	---	0	5 / 2024	100.4	98.3	100.4	98.3	OT
DEF	OSPREY	CT2	POLK	CT	NG	PL	---	---	0	5 / 2024	100.4	98.3	100.4	98.3	OT
DEF	OSPREY	ST	POLK	CA	WH	PL	---	---	0	5 / 2024	135.9	158.3	135.9	158.3	OT
2024 TOTAL:												352	370		
2025															
DEF	BAYBORO	P1	PINELLAS	GT	DFO	WA	---	---	0	12 / 2025	-44	-61	-44	-61	RT
DEF	BAYBORO	P2	PINELLAS	GT	DFO	WA	---	---	0	12 / 2025	-41	-58	-41	-58	RT
DEF	BAYBORO	P3	PINELLAS	GT	DFO	WA	---	---	0	12 / 2025	-43	-60	-43	-60	RT
DEF	BAYBORO	P4	PINELLAS	GT	DFO	WA	---	---	0	12 / 2025	-43	-59	-43	-59	RT
2025 TOTAL:												-171	-238		

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
UTILITY	PLANT NAME	UNIT NO.	LOCATION	UNIT TYPE	PRIMARY FUEL		ALTERNATE FUEL		ALT. FUEL STORAGE (DAYS BURN)	EFFECTIVE CHANGE DATE MO. / YEAR	GROSS CAPABILITY		NET CAPABILITY		CHANGE/STATUS
					TYPE	TRANS.	TYPE	TRANS.			SUMMER (MW)	WINTER (MW)	SUMMER (MW)	WINTER (MW)	
2026															
TEC	FUTURE	CT2	UNKNOWN	GT	NG	PL	---	---	0	1 / 2026	231	247	229	245	P
FPL	UNSIDED CC FACILITY	1	UNKNOWN	CC	NG	PL	DFO	WA	0	6 / 2026	1886	1880	1886	1880	P
GRU	DEERHAVEN	GT01	ALACHUA	GT	NG	PL	DFO	TK	0	10 / 2026	-18	-23	-17.5	-22	RT
GRU	DEERHAVEN	GT02	ALACHUA	GT	NG	PL	DFO	TK	0	10 / 2026	-18	-23	-17.5	-22	RT
2026 TOTAL:												2,080	2,081		
2027															
DEF	DEBARY	P2	VOLUSIA	GT	DFO	TK	---	---	0	6 / 2027	-48	-64	-48	-64	RT
DEF	DEBARY	P3	VOLUSIA	GT	DFO	TK	---	---	0	6 / 2027	-50	-65	-50	-65	RT
DEF	DEBARY	P4	VOLUSIA	GT	DFO	TK	---	---	0	6 / 2027	-50	-65	-50	-65	RT
DEF	DEBARY	P5	VOLUSIA	GT	DFO	TK	---	---	0	6 / 2027	-50	-65	-50	-65	RT
DEF	DEBARY	P6	VOLUSIA	GT	DFO	TK	---	---	0	6 / 2027	-51	-65	-51	-65	RT
DEF	P. L. BARTOW	P1	PINELLAS	GT	DFO	WA	---	---	0	6 / 2027	-41	-52	-41	-52	RT
DEF	P. L. BARTOW	P3	PINELLAS	GT	DFO	WA	---	---	0	6 / 2027	-41	-53	-41	-53	RT
DEF	UNKNOWN CT	P1	UNKNOWN	CT	NG	PL	DFO	TK	4	6 / 2027	226.4	240.1	218.4	233.3	P
DEF	UNKNOWN CT	P2	UNKNOWN	CT	NG	PL	DFO	TK	4	6 / 2027	218.4	233.3	218.4	233.3	P
2027 TOTAL:												106	38		
2028															
NO ENTRIES															
2028 TOTAL:												0	0		
FRCC FUTURE (Excluding Firm Solar):												6,270	5,503		
FRCC FUTURE FIRM SOLAR:												4,010	0		
FRCC FUTURE TOTAL:												10,280	5,503		

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(JANUARY 1, 2019 THROUGH DECEMBER 31, 2028)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
UTILITY	PLANT NAME	UNIT NO.	LOCATION	UNIT TYPE	PRIMARY FUEL TYPE	EFFECTIVE CHANGE DATE MO. / YEAR	NAMEPLATE CAPABILITY _{AC} (MW)	POTENTIAL EXPORT TO GRID AT TIME OF PEAK				CHANGE/ STATUS
								FIRM		NON-FIRM		
								SUMMER (MW)	WINTER (MW)	SUMMER (MW)	WINTER (MW)	
<u>2019</u>												
TEC	BONNIE MINE SOLAR	1	POLK	PV	SUN	1 / 2019	37.5	17.7	---	---	---	V
TEC	GRANGE HALL SOLAR	1	HILLSBOROUGH	PV	SUN	1 / 2019	61.1	33.3	---	---	---	V
TEC	LITHIA SOLAR	1	HILLSBOROUGH	PV	SUN	1 / 2019	74.5	38.5	---	---	---	V
FPL	INTERSTATE SOLAR	1	INDIAN RIVER	PV	SUN	3 / 2019	74.5	41.3	---	---	---	P
FPL	MIAMI DADE SOLAR	1	DESOTO	PV	SUN	3 / 2019	74.5	41.3	---	---	---	P
FPL	PIONEER TRAIL SOLAR	1	PUTNAM	PV	SUN	3 / 2019	74.5	41.3	---	---	---	P
FPL	SUNSHINE GATEWAY SOLAR	1	ALACHUA	PV	SUN	3 / 2019	74.5	41.3	---	---	---	P
TEC	PEACE CREEK SOLAR	1	POLK	PV	SUN	3 / 2019	55.4	30.5	---	---	---	V
TEC	LAKE HANCOCK SOLAR	1	POLK	PV	SUN	4 / 2019	49.5	26.4	---	---	---	V
DEF	LAKE PLACID SOLAR	03	HIGHLANDS	PV	SUN	12 / 2019	45.0	25.6	---	---	---	P
DEF	ST PETERSBURG PIER	PV1	PINELLAS	PV	SUN	12 / 2019	0.3	0.1	---	---	---	P
DEF	TRENTON SOLAR	02	GILCHRIST	PV	SUN	12 / 2019	74.9	42.6	---	---	---	P
<u>2020</u>												
FPL	BABCOCK PRESERVE SOLAR	1	COLUMBIA	PV	SUN	1 / 2020	74.5	41.3	---	---	---	P
FPL	BLUE HERON SOLAR	2	DADE	PV	SUN	1 / 2020	74.5	41.3	---	---	---	P
FPL	CATTLE RANCH SOLAR	1	ST LUCIE	PV	SUN	1 / 2020	74.5	41.3	---	---	---	P
FPL	NOTHERN PRESERVE SOLAR	1	COLUMBIA	PV	SUN	1 / 2020	74.5	41.3	---	---	---	P
FPL	SWEETBAY SOLAR	1	VOLUSIA	PV	SUN	1 / 2020	74.5	41.3	---	---	---	P
FPL	TWIN LAKES SOLAR	1	DADE	PV	SUN	1 / 2020	74.5	41.3	---	---	---	P
TEC	BIG BEND SOLAR	1	HILLSBOROUGH	PV	SUN	1 / 2020	19.8	5.6	---	---	---	A
TEC	LITTLE MANATEE RIVER SOLAR	1	HILLSBOROUGH	PV	SUN	1 / 2020	74.5	38.5	---	---	---	P
TEC	WIMAUMA SOLAR	1	HILLSBOROUGH	PV	SUN	1 / 2020	74.8	42.6	---	---	---	P
DEF	COLUMBIA SOLAR	04	COLUMBIA	PV	SUN	3 / 2020	74.9	42.6	---	---	---	P
DEF	DEBARY SOLAR	05	VOLUSIA	PV	SUN	3 / 2020	74.5	34.0	---	---	---	P
FPL	ECHO RIVER SOLAR	1	ST LUCIE	PV	SUN	4 / 2020	74.5	41.3	---	---	---	P
FPL	HIBISCUS SOLAR	1	ST LUCIE	PV	SUN	4 / 2020	74.5	41.3	---	---	---	P
FPL	OKEECHOBEE SOLAR	1	VOLUSIA	PV	SUN	4 / 2020	74.5	41.3	---	---	---	P
FPL	SOUTHFROK SOLAR	1	VOLUSIA	PV	SUN	4 / 2020	74.5	41.3	---	---	---	P
DEF	SOLAR	06	UNKNOWN	PV	SUN	12 / 2020	74.9	42.6	---	---	---	P
DEF	SOLAR	07	UNKNOWN	PV	SUN	12 / 2020	74.9	42.6	---	---	---	P
<u>2021</u>												
TEC	MOUNTAIN VIEW SOLAR	1	PASCO	PV	SUN	1 / 2021	52.5	52.5	---	---	---	P
FPL	2021 UNSITED SOLAR	1	UNKNOWN	PV	SUN	6 / 2021	447.0	247.7	---	---	---	P
-	SOLAR DEGRADATION	-	N/A	PV	SUN	6 / 2021	-	-1.3	---	---	---	D (S)

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
UTILITY	PLANT NAME	UNIT NO.	LOCATION	UNIT TYPE	PRIMARY FUEL TYPE	EFFECTIVE CHANGE DATE MO. / YEAR	NAMEPLATE CAPABILITY _{AC} (MW)	POTENTIAL EXPORT TO GRID AT TIME OF PEAK				CHANGE/ STATUS
								FIRM		NON-FIRM		
								SUMMER (MW)	WINTER (MW)	SUMMER (MW)	WINTER (MW)	
<u>2021 (cont.)</u>												
-	SOLAR DEGRADATION	-	N/A	PV	SUN	12 / 2021	-	-3.4	---	---	---	D (S)
DEF	SOLAR	08	UNKNOWN	PV	SUN	12 / 2021	74.9	42.6	---	---	---	P
DEF	SOLAR	09	UNKNOWN	PV	SUN	12 / 2021	74.9	42.6	---	---	---	P
DEF	SOLAR	10	UNKNOWN	PV	SUN	12 / 2021	55.0	31.3	---	---	---	P
<u>2022</u>												
DEF	SOLAR	11	UNKNOWN	PV	SUN	1 / 2022	74.9	42.6	---	---	---	P
DEF	SOLAR	12	UNKNOWN	PV	SUN	1 / 2022	74.9	42.6	---	---	---	P
FPL	2022 UNSITED SOLAR	1	UNKNOWN	PV	SUN	1 / 2022	894.0	449.1	---	---	---	P
-	SOLAR DEGRADATION	-	N/A	PV	SUN	6 / 2022	-	-1.3	---	---	---	D (S)
-	SOLAR DEGRADATION	-	N/A	PV	SUN	12 / 2022	-	-4.8	---	---	---	D (S)
<u>2023</u>												
FPL	2023 UNSITED SOLAR	1	UNKNOWN	PV	SUN	1 / 2023	894.0	347.2	---	---	---	P
-	SOLAR DEGRADATION	-	N/A	PV	SUN	6 / 2023	-	-1.7	---	---	---	D (S)
-	SOLAR DEGRADATION	-	N/A	PV	SUN	12 / 2023	-	-6.0	---	---	---	D (S)
DEF	SOLAR	13	UNKNOWN	PV	SUN	12 / 2023	74.9	42.6	---	---	---	P
DEF	SOLAR	14	UNKNOWN	PV	SUN	12 / 2023	74.9	42.6	---	---	---	P
<u>2024</u>												
FPL	2024 UNSITED SOLAR	1	UNKNOWN	PV	SUN	1 / 2024	745.0	289.3	---	---	---	P
-	SOLAR DEGRADATION	-	N/A	PV	SUN	6 / 2024	-	-1.7	---	---	---	D (S)
-	SOLAR DEGRADATION	-	N/A	PV	SUN	12 / 2024	-	-7.4	---	---	---	D (S)
DEF	SOLAR	15	UNKNOWN	PV	SUN	12 / 2024	74.9	42.6	---	---	---	P
DEF	SOLAR	16	UNKNOWN	PV	SUN	12 / 2024	74.9	42.6	---	---	---	P
<u>2025</u>												
FPL	2025 UNSITED SOLAR	1	UNKNOWN	PV	SUN	1 / 2025	1043.0	405.0	---	---	---	P
-	SOLAR DEGRADATION	-	N/A	PV	SUN	6 / 2025	-	-1.7	---	---	---	D (S)
-	SOLAR DEGRADATION	-	N/A	PV	SUN	12 / 2025	-	-8.9	---	---	---	D (S)
DEF	SOLAR	17	UNKNOWN	PV	SUN	12 / 2025	74.9	42.6	---	---	---	P
DEF	SOLAR	18	UNKNOWN	PV	SUN	12 / 2025	74.9	42.6	---	---	---	P

2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL
FRCC Form 1.1 (Solar)
PLANNED AND PROSPECTIVE SOLAR GENERATING FACILITY ADDITIONS AND CHANGES
(JANUARY 1, 2019 THROUGH DECEMBER 31, 2028)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	POTENTIAL EXPORT TO GRID AT TIME OF PEAK				(13)
UTILITY	PLANT NAME	UNIT NO.	LOCATION	UNIT TYPE	PRIMARY FUEL TYPE	EFFECTIVE CHANGE DATE MO. / YEAR	NAMEPLATE CAPABILITY _{AC} (MW)	FIRM		NON-FIRM		CHANGE/ STATUS
								SUMMER (MW)	WINTER (MW)	SUMMER (MW)	WINTER (MW)	
	<u>2026</u>											
-	SOLAR DEGRADATION	-	N/A	PV	SUN	6 / 2026	-	-1.7	---	---	---	D (S)
-	SOLAR DEGRADATION	-	N/A	PV	SUN	12 / 2026	-	-10.3	---	---	---	D (S)
DEF	SOLAR	19	UNKNOWN	PV	SUN	12 / 2026	74.9	42.6	---	---	---	P
	<u>2027</u>											
FPL	2027 UNSITED SOLAR	1	UNKNOWN	PV	SUN	1 / 2027	894.0	347.2	---	---	---	P
-	SOLAR DEGRADATION	-	N/A	PV	SUN	6 / 2027	-	-1.7	---	---	---	D (S)
-	SOLAR DEGRADATION	-	N/A	PV	SUN	12 / 2027	-	-10.5	---	---	---	D (S)
DEF	SOLAR	20	UNKNOWN	PV	SUN	12 / 2027	74.9	42.6	---	---	---	P
	<u>2028</u>											
FPL	2028 UNSITED SOLAR	1	UNKNOWN	PV	SUN	1 / 2028	1192.0	321.4	---	---	---	P
-	SOLAR DEGRADATION	-	N/A	PV	SUN	6 / 2028	-	-1.7	---	---	---	D (S)
-	SOLAR DEGRADATION	-	N/A	PV	SUN	12 / 2028	-	-11.8	---	---	---	D (S)
DEF	SOLAR	21	UNKNOWN	PV	SUN	12 / 2028	74.9	42.6	---	---	---	P
FRCC FUTURE (Excluding Firm Solar):								6,270	5,503			
FRCC FUTURE FIRM SOLAR:								4,010	0			
FRCC FUTURE TOTAL:								10,280	5,503			

**LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL
FRCC Form 10**

**SUMMARY OF CAPACITY, DEMAND, AND RESERVE MARGIN
AT TIME OF SUMMER PEAK**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INSTALLED CAPACITY		FIRM INTERCHANGE		FIRM	TOTAL	TOTAL PEAK DEMAND (MW)	RESERVE MARGIN W/O EXERCISING		NET FIRM	RESERVE MARGIN WITH EXERCISING	
	INSIDE	OUTSIDE	REGIONAL	REGIONAL	NON-UTILITY	AVAILABLE		LOAD MANAGEMENT & INT.		PEAK	LOAD MANAGEMENT & INT.	
	REGION (MW)	REGION (MW)	IMPORTS (MW)	EXPORTS (MW)	PURCHASES (MW)	CAPACITY (MW)		(MW)	% OF PEAK	DEMAND (MW)	(MW)	% OF PEAK
2019	50,874	832	624	0	3,510	55,839	47,670	8,169	17%	44,719	11,120	25%
2020	51,915	832	524	0	3,180	56,451	48,139	8,312	17%	45,035	11,416	25%
2021	52,330	832	250	0	3,180	56,592	48,675	7,917	16%	45,522	11,070	24%
2022	53,005	832	275	0	3,307	57,419	49,161	8,258	17%	45,957	11,462	25%
2023	54,126	832	300	0	3,307	58,565	49,663	8,902	18%	46,410	12,155	26%
2024	54,844	832	300	0	2,955	58,931	50,315	8,616	17%	47,015	11,916	25%
2025	55,325	832	300	0	2,802	59,259	50,924	8,335	16%	47,576	11,683	25%
2026	57,344	832	200	0	2,663	61,039	51,600	9,439	18%	48,205	12,834	27%
2027	57,793	832	200	0	2,008	60,832	52,333	8,499	16%	48,893	11,939	24%
2028	58,144	832	200	0	1,846	61,022	53,033	7,989	15%	49,545	11,477	23%

**SUMMARY OF CAPACITY, DEMAND, AND RESERVE MARGIN
AT TIME OF WINTER PEAK**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INSTALLED CAPACITY		FIRM INTERCHANGE		FIRM	TOTAL	TOTAL PEAK DEMAND (MW)	RESERVE MARGIN W/O EXERCISING		NET FIRM	RESERVE MARGIN WITH EXERCISING	
	INSIDE	OUTSIDE	REGIONAL	REGIONAL	NON-UTILITY	AVAILABLE		LOAD MANAGEMENT & INT.		PEAK	LOAD MANAGEMENT & INT.	
	REGION (MW)	REGION (MW)	IMPORTS (MW)	EXPORTS (MW)	PURCHASES (MW)	CAPACITY (MW)		(MW)	% OF PEAK	DEMAND (MW)	(MW)	% OF PEAK
2019 / 20	53,427	833	424	0	3,783	58,467	43,962	14,505	33%	41,075	17,392	42%
2020 / 21	53,556	833	449	0	3,438	58,276	43,770	14,506	33%	40,792	17,484	43%
2021 / 22	52,457	833	250	0	3,467	57,007	45,194	11,813	26%	42,175	14,832	35%
2022 / 23	54,351	833	300	0	3,467	58,951	45,049	13,902	31%	41,988	16,963	40%
2023 / 24	54,366	833	300	0	3,261	58,761	45,860	12,901	28%	42,758	16,003	37%
2024 / 25	54,721	833	300	0	2,938	58,792	46,056	12,736	28%	42,907	15,885	37%
2025 / 26	54,728	833	300	0	2,819	58,680	46,711	11,969	26%	43,521	15,159	35%
2026 / 27	56,564	833	200	0	2,784	60,381	47,183	13,198	28%	43,950	16,431	37%
2027 / 28	56,602	833	200	0	1,924	59,559	47,603	11,956	25%	44,326	15,233	34%
2028 / 29	56,602	833	200	0	1,924	59,559	48,194	11,365	24%	44,873	14,686	33%

NOTE - COLUMN 11: NET FIRM PEAK DEMAND = TOTAL PEAK DEMAND - INTERRUPTIBLE LOAD - LOAD MANAGEMENT.

2019
FRCC Form 11
CONTRACTED FIRM IMPORTS AND FIRM EXPORTS
FROM/TO OUTSIDE THE FRCC REGION AT TIME OF PEAK (MW)
AS OF JANUARY 1, 2019

SUMMER							
<u>YEAR</u>	<u>IMPORTS</u>				<u>EXPORTS</u>		NET INTER-
	<u>DEF</u>	<u>JEA</u>	<u>SEC</u>	<u>TOTAL</u>		<u>TOTAL</u>	<u>CHANGE</u>
2019	424	200	0	624		0	624
2020	424	100	0	524		0	524
2021	0	100	150	250		0	250
2022	0	125	150	275		0	275
2023	0	200	100	300		0	300
2024	0	200	100	300		0	300
2025	0	200	100	300		0	300
2026	0	200	0	200		0	200
2027	0	200	0	200		0	200
2028	0	200	0	200		0	200

WINTER							
<u>YEAR</u>	<u>IMPORTS</u>				<u>EXPORTS</u>		NET INTER-
	<u>DEF</u>	<u>JEA</u>	<u>SEC</u>	<u>TOTAL</u>		<u>TOTAL</u>	<u>CHANGE</u>
2019 / 20	424	0	0	424		0	424
2020 / 21	424	25	0	449		0	449
2021 / 22	0	100	150	250		0	250
2022 / 23	0	200	100	300		0	300
2023 / 24	0	200	100	300		0	300
2024 / 25	0	200	100	300		0	300
2025 / 26	0	200	100	300		0	300
2026 / 27	0	200	0	200		0	200
2027 / 28	0	200	0	200		0	200
2028 / 29	0	200	0	200		0	200

**2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL**

**FRCC Form 3.0
EXISTING NON-UTILITY, QF, AND SELF SERVICE GENERATION FACILITIES
AS OF DECEMBER 31, 2018**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
UTILITY	FACILITY NAME	UNIT NO.	LOCATION	UNIT TYPE	FUEL TYPE		COMMERCIAL IN-SERVICE MO. / YEAR	GROSS CAPABILITY		NET CAPABILITY		POTENTIAL EXPORT TO GRID AT TIME OF PEAK				CONTRACT STATUS
								SUM (MW)	WIN (MW)	SUM (MW)	WIN (MW)	FIRM		UNCOMMITTED		
					SUM (MW)	WIN (MW)						SUM (MW)	WIN (MW)	SUM (MW)	WIN (MW)	
<u>DUKE ENERGY FLORIDA</u>																
	BEN HILL GRIFFIN	1	POLK	ST	NG	DFO	11 / 1981	0.5	0.5	0.5	0.5	---	---	---	---	NC
	CITRUS WORLD	1	POLK	ST	NG	DFO	11 / 1979	0.4	0.4	0.4	0.4	---	---	---	---	NC
	CITRUS WORLD	4	POLK	ST	NG	DFO	12 / 1987	4.0	4.0	4.0	4.0	---	---	---	---	NC
	MULBERRY	1	POLK	CA	NG	DFO	7 / 1994	115.0	120.0	115.0	115.0	115.0	115.0	---	---	C
	ORANGE COGEN (CFR-BIOGEN)	1	POLK	CS	NG	---	6 / 1995	104.0	104.0	104.0	104.0	104.0	104.0	---	---	C
	ORLANDO COGEN	1	ORANGE	CA	NG	---	10 / 1993	125.2	135.0	123.2	133.0	115.0	115.0	9.0	18.8	C
	PASCO COUNTY RES. RECOV.	1	PASCO	ST	MSW	---	3 / 1991	26.0	26.0	23.0	23.0	23.0	23.0	---	---	C
	PINELLAS COUNTY RES. RECOV.	1	PINELLAS	ST	MSW	---	4 / 1983	44.6	44.6	40.0	40.0	40.0	40.0	---	---	C
	PINELLAS COUNTY RES. RECOV.	2	PINELLAS	ST	MSW	---	6 / 1986	17.1	17.1	14.8	14.8	14.8	14.8	---	---	C
	POTASH of SASKATCHEWAN	1	HAMILTON	ST	WH	---	1 / 1980	16.2	16.2	15.0	15.0	---	---	1.0	1.0	NC
	POTASH of SASKATCHEWAN	2	HAMILTON	ST	WH	---	5 / 1986	28.0	28.0	27.0	27.0	---	---	0.2	0.2	NC
	PROCTOR & GAMBLE (BUCKEYE)	1-4	TAYLOR	ST	WDS	---	1 / 1954	38.0	38.0	38.0	38.0	---	---	---	---	NC
DEF TOTAL:												411.8	411.8	10.2	20.0	
<u>FLORIDA MUNICIPAL POWER AGENCY</u>																
	CUTRALE		LAKE	CC	NG	---	12 / 1987	4.6	4.6	4.6	4.6	---	---	---	---	NC
	US SUGAR CORPORATION		HENDRY	OT	OBS	---	2 / 1984	26.5	26.5	26.5	26.5	---	---	---	---	NC
FMPA TOTAL:												0.0	0.0	0.0	0.0	
<u>FLORIDA POWER & LIGHT COMPANY</u>																
	BREVARD LANDFILL	1	BREVARD	OT	MSW	---	1 / 2018	6.0	6.0	6.0	6.0	---	---	---	---	C
	BROWARD-SOUTH	1	BROWARD	OT	MSW	---	4 / 1991	68.0	68.0	56.0	56.0	3.5	3.5	---	---	C
	GEORGIA PACIFIC	1	PUTNAM	OT	WDS	---	2 / 1983	52.0	52.0	52.0	52.0	---	---	---	---	NC
	INDIANTOWN	2	MARTIN	ST	BIT	BIT	12 / 1995	330.0	330.0	330.0	330.0	330.0	330.0	---	---	C
	LEE COUNTY SOLID WASTER	1	LEE	OT	LFG	OTH	2 / 2017	56.0	56.0	56.0	56.0	---	---	---	---	NC
	MIAMI DADE (RR)	1	DADE	OT	MSW	OTH	9 / 1991	77.0	77.0	55.0	55.0	---	---	---	---	NC
	NEW HOPE / OKEELANTA	1	PALM BEACH	OT	OBS	NG	11 / 1985	140.0	140.0	140.0	140.0	---	---	---	---	NC
	TROPICANA	1	MANATEE	OT	NG	OTH	3 / 1990	46.7	46.7	45.0	45.0	---	---	---	---	NC
	WASTE MANAGEMENT (CCL)	1	BROWARD	OT	LFG	OTH	5 / 2011	7.2	7.2	3.7	3.7	---	---	---	---	NC
	WASTE MANAGEMENT (RE)	1	BROWARD	OT	LFG	OTH	4 / 1989	11.5	11.5	6.3	6.3	---	---	---	---	NC
FPL TOTAL (Excluding Solar):												333.5	333.5	0.0	0.0	

**2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL**

**FRCC Form 3.0
EXISTING NON-UTILITY, QF, AND SELF SERVICE GENERATION FACILITIES
AS OF DECEMBER 31, 2018**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
UTILITY	FACILITY NAME	UNIT NO.	LOCATION	UNIT TYPE	FUEL TYPE		COMMERCIAL IN-SERVICE MO. / YEAR	GROSS CAPABILITY		NET CAPABILITY		POTENTIAL EXPORT TO GRID AT TIME OF PEAK				CONTRACT STATUS
					PRI	ALT		SUM (MW)	WIN (MW)	SUM (MW)	WIN (MW)	FIRM		UNCOMMITTED		
<u>GAINESVILLE REGIONAL UTILITIES</u>																
	G2 ENERGY	1	MARION	IC	LFG	---	12 / 2008	4.0	4.0	3.7	3.7	3.7	3.7	---	---	C
GRU TOTAL:												3.7	3.7	0.0	0.0	
<u>JEA</u>																
	ANHEUSER BUSCH		DUVAL	ST	NG	---	4 / 1988	8.0	9.0	8.0	9.0	---	---	---	---	NC
	TRAILRIDGE	1	DUVAL	IC	LFG	---	12 / 2008	9.0	9.0	9.0	9.0	9.0	9.0	---	---	C
	TRAILRIDGE	2	SARASOTA	IC	LFG	---	2 / 2015	6.0	6.0	6.0	6.0	6.0	6.0	---	---	C
JEA TOTAL (Excluding Solar):												15.0	15.0	0.0	0.0	
<u>SEMINOLE ELECTRIC COOPERATIVE INC</u>																
	CITY OF TAMPA REF-TO-ENERGY	1	HILLSBOROUGH	ST	MSW	---	8 / 2011	20.0	20.0	20.0	20.0	20.0	20.0	---	---	C
	HARDEE POWER STATION	CT1A	HARDEE	CT	NG	DFO	1 / 2013	73.0	89.0	72.0	88.0	72.0	88.0	---	---	C
	HARDEE POWER STATION	CT1B	HARDEE	CT	NG	DFO	1 / 2013	73.0	89.0	72.0	88.0	72.0	88.0	---	---	C
	HARDEE POWER STATION	CT2A	HARDEE	GT	NG	DFO	1 / 2013	71.0	90.0	70.0	89.0	---	---	70.0	89.0	C
	HARDEE POWER STATION	CT2B	HARDEE	GT	NG	DFO	1 / 2013	71.0	90.0	70.0	89.0	70.0	89.0	---	---	C
	HARDEE POWER STATION	ST1	HARDEE	CA	WH	DFO	1 / 2013	76.0	91.0	76.0	91.0	76.0	91.0	---	---	C
	HILLSB. WASTE TO ENERGY	1	HILLSBOROUGH	ST	MSW	---	3 / 2010	9.5	9.5	9.5	9.5	9.5	9.5	---	---	C
	HILLSB. WASTE TO ENERGY	2	HILLSBOROUGH	ST	MSW	---	3 / 2010	9.5	9.5	9.5	9.5	9.5	9.5	---	---	C
	HILLSB. WASTE TO ENERGY	3	HILLSBOROUGH	ST	MSW	---	3 / 2010	9.5	9.5	9.5	9.5	9.5	9.5	---	---	C
	HILLSB. WASTE TO ENERGY	4	HILLSBOROUGH	ST	MSW	---	3 / 2010	9.5	9.5	9.5	9.5	9.5	9.5	---	---	C
	TELOGIA POWER	1	LIBERTY	ST	WDS	---	7 / 2009	13.0	13.0	13.0	13.0	13.0	13.0	---	---	C
	TIMBERLINE ENERGY	1	HERNANDO	ST	LFG	---	2 / 2008	1.6	1.6	1.6	1.6	1.6	1.6	---	---	C
SEC TOTAL:												362.6	428.6	70.0	89.0	

**2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL**

**FRCC Form 3.0
EXISTING NON-UTILITY, QF, AND SELF SERVICE GENERATION FACILITIES
AS OF DECEMBER 31, 2018**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
UTILITY	FACILITY NAME	UNIT NO.	LOCATION	UNIT TYPE	FUEL TYPE		COMMERCIAL IN-SERVICE	GROSS CAPABILITY		NET CAPABILITY		POTENTIAL EXPORT TO GRID AT TIME OF PEAK				CONTRACT STATUS
								SUM (MW)	WIN (MW)	SUM (MW)	WIN (MW)	FIRM		UNCOMMITTED		
					PRI	ALT	MO. / YEAR					SUM (MW)	WIN (MW)	SUM (MW)	WIN (MW)	
TAMPA ELECTRIC COMPANY																
	CUTRALE CITRUS JUICES	1-3	POLK	CC	NG	---	12 / 1987	8.2	8.2	8.2	8.2	---	---	---	---	NC
	MILLPOINT	1-3	HILLSBOROUGH	OT	WH	NG	12 / 1995	45.0	45.0	45.0	45.0	---	---	7.4	7.4	NC
	NEW WALES	1-2	POLK	ST	WH	---	12 / 1984	95.0	95.0	95.0	95.0	---	---	2.0	2.0	NC
	RIDGEWOOD	1-2	HILLSBOROUGH	ST	WH	---	10 / 1992	95.0	95.0	95.0	95.0	---	---	2.0	2.0	NC
	SOUTH PIERCE	1-2	POLK	ST	WH	---	9 / 1969	33.0	33.0	33.0	33.0	---	---	5.0	5.0	NC
TEC TOTAL:												0.0	0.0	16.4	16.4	
FRCC NON-UTILITY (Excluding Solar):												1127	1193	97	125	
FRCC NON-UTILITY SOLAR:												1	0	34	20	
FRCC NON-UTILITY TOTAL:												1,128	1,193	131	145	

**2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL**

**FRCC Form 3.0 (Solar)
EXISTING SOLAR NON-UTILITY, QF, AND SELF SERVICE GENERATION FACILITIES
AS OF DECEMBER 31, 2018**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
UTILITY	FACILITY NAME	UNIT NO.	LOCATION	UNIT TYPE	PRIMARY FUEL TYPE	COMMERCIAL IN-SERVICE MO. / YEAR	NAMEPLATE CAPABILITY _{AC} (MW)	POTENTIAL EXPORT TO GRID AT TIME OF PEAK				CONTRACT STATUS
								FIRM		UNCOMMITTED		
								SUM (MW)	WIN (MW)	SUM (MW)	WIN (MW)	
<u>FLORIDA POWER & LIGHT COMPANY</u>												
	FIRST SOLAR	1	DADE	PV	SUN	3 / 2010	0.1	---	---	---	---	NC
								0.0	0.0	0.0	0.0	
<u>JEA</u>												
	BLAIR SITE SOLAR	1	DUVAL	PV	SUN	1 / 2018	4.0	---	---	---	---	C
	JACKSONVILLE SOLAR	1	DUVAL	PV	SUN	9 / 2010	12.0	---	---	---	---	C
	MONTGOMERY SOLAR FARM	1	DUVAL	PV	SUN	5 / 2017	7.0	---	---	---	---	C
	OLD KINGS ROAD SOLAR	1	DUVAL	PV	SUN	10 / 2018	1.0	---	---	---	---	C
	OLD PLANK ROAD SOLAR FARM	1	DUVAL	PV	SUN	10 / 2017	3.0	---	---	---	---	C
	SIMMONS ROAD SOLAR	1	DUVAL	PV	SUN	1 / 2018	1.0	---	---	---	---	C
	STARRATT SOLAR	1	DUVAL	PV	SUN	12 / 2017	5.0	---	---	---	---	C
								0.0	0.0	0.0	0.0	
<u>LAKELAND CITY OF</u>												
	AIRPORT PHASE 1		POLK	PV	SUN	1 / 2012	2.2	---	---	2.2	---	NC
	AIRPORT PHASE 2		POLK	PV	SUN	9 / 2012	2.7	---	---	2.7	---	NC
	AIRPORT PHASE 3		POLK	PV	SUN	12 / 2016	3.1	---	---	3.1	---	NC
	BELLA VISTA		POLK	PV	SUN	7 / 2015	6.0	---	---	6.0	---	NC
	LAKELAND CENTER		POLK	PV	SUN	3 / 2010	0.2	---	---	0.2	---	NC
								0.0	0.0	14.2	0.0	
<u>SEMINOLE ELECTRIC COOPERATIVE INC</u>												
	MGS SOLAR	1	HARDEE	PV	SUN	8 / 2017	2.2	0.8	---	0.6	---	C
								0.8	0.0	0.6	0.0	

**2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL**

**FRCC Form 3.0 (Solar)
EXISTING SOLAR NON-UTILITY, QF, AND SELF SERVICE GENERATION FACILITIES
AS OF DECEMBER 31, 2018**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
UTILITY	FACILITY NAME	UNIT NO.	LOCATION	UNIT TYPE	PRIMARY FUEL TYPE	COMMERCIAL IN-SERVICE MO. / YEAR	NAMEPLATE CAPABILITY _{AC} (MW)	POTENTIAL EXPORT TO GRID AT TIME OF PEAK				CONTRACT STATUS
								FIRM		UNCOMMITTED		
								SUM	WIN	SUM	WIN	
								(MW)	(MW)	(MW)	(MW)	
<u>TALLAHASSEE CITY OF</u>												
	FL SOLAR 1	1	LEON	PV	SUN	12 / 2017	20	---	---	20.0	20.0	C
								0.0	0.0	20.0	20.0	
										</		

**2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL**

**FRCC Form 3.1
PLANNED AND PROSPECTIVE NON-UTILITY, QF, AND SELF SERVICE GENERATION FACILITIES
INSTALLATIONS, CHANGES, AND REMOVALS
JANUARY 1, 2019 THROUGH DECEMBER 31, 2028**

(1)	(2)	(3)	(4)	(13)	(14)	(15)	(16)	(9)	(10)	(11)	(12)	(5)	(6)	(7)	(8)	(17)
UTIL	FACILITY NAME	UNIT NO.	LOCATION	UNIT TYPE	FUEL TYPE		COMMERCIAL IN-SERVICE/ RETIREMENT/ OR CHANGE IN CONTRACT MO. / YEAR	GROSS CAPABILITY		NET CAPABILITY		POTENTIAL EXPORT TO GRID AT TIME OF PEAK				CONTRACT STATUS
								SUM (MW)	WIN (MW)	SUM (MW)	WIN (MW)	FIRM		UNCOMMITTED		
												SUM (MW)	WIN (MW)	SUM (MW)	WIN (MW)	
											PRI	ALT				
	<u>2019</u>															
	NO ENTRIES															
	<u>2020</u>															
FPL	INDIANTOWN	2	MARTIN	ST	BIT	---	4 / 2020	-330.0	-330.0	-330.0	-330.0	-330.0	-330.0	---	---	CE
SEC	TIMBERLINE ENERGY	1	HERNANDO	ST	LFG	---	4 / 2020	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	---	---	CE
SEC	TELOGIA POWER	1	LIBERTY	ST	WDS	---	6 / 2020	-13.0	-13.0	-13.0	-13.0	-13.0	-13.0	---	---	CE
	<u>2021</u>															
SEC	SHADY HILLS CC FACILITY	TBD	PASCO	CC	NG	---	12 / 2021	546.0	575.0	546.0	575.0	546.0	575.0	---	---	C
	<u>2022</u>															
	NO ENTRIES															
	<u>2023</u>															
DEF	ORLANDO COGEN	1	ORANGE	CA	NG	---	12 / 2023	-125.2	-135.0	-123.2	-133.0	-115.0	-115.0	-9.0	-18.8	NC
GRU	G2 ENERGY	1	MARION	IC	LFG	---	12 / 2023	-4.0	-4.0	-3.7	-3.7	-3.7	-3.7	---	---	CE
	<u>2024</u>															
SEC	SHADY HILLS GENERATING STATION	2	PASCO	GT	NG	DFO	6 / 2024	164.0	176.0	164.0	176.0	164.0	176.0	---	---	C
SEC	SHADY HILLS GENERATING STATION	3	PASCO	GT	NG	DFO	6 / 2024	164.0	176.0	164.0	176.0	164.0	176.0	---	---	C
DEF	MULBERRY	1	POLK	CA	NG	---	9 / 2024	-115.0	-120.0	-115.0	-115.0	-115.0	-115.0	---	---	NC

**2019
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**FRCC Form 3.1
PLANNED AND PROSPECTIVE NON-UTILITY, QF, AND SELF SERVICE GENERATION FACILITIES
INSTALLATIONS, CHANGES, AND REMOVALS
JANUARY 1, 2019 THROUGH DECEMBER 31, 2028**

(1)	(2)	(3)	(4)	(13)	(14)	(15)	(16)	(9)	(10)	(11)	(12)	(5)	(6)	(7)	(8)	(17)
UTIL	FACILITY NAME	UNIT NO.	LOCATION	UNIT TYPE	FUEL TYPE		COMMERCIAL IN-SERVICE/ RETIREMENT/ OR CHANGE IN CONTRACT MO. / YEAR	GROSS CAPABILITY		NET CAPABILITY		POTENTIAL EXPORT TO GRID AT TIME OF PEAK				CONTRACT STATUS
					PRI	ALT		SUM (MW)	WIN (MW)	SUM (MW)	WIN (MW)	FIRM		UNCOMMITTED		
												SUM (MW)	WIN (MW)	SUM (MW)	WIN (MW)	
<u>2025</u>																
SEC	HILLSB. WASTE TO ENERGY	1	HILLSBOROUGH	ST	MSW	---	3 / 2025	-9.5	-9.5	-9.5	-9.5	-9.5	-9.5	---	---	CE
SEC	HILLSB. WASTE TO ENERGY	2	HILLSBOROUGH	ST	MSW	---	3 / 2025	-9.5	-9.5	-9.5	-9.5	-9.5	-9.5	---	---	CE
SEC	HILLSB. WASTE TO ENERGY	3	HILLSBOROUGH	ST	MSW	---	3 / 2025	-9.5	-9.5	-9.5	-9.5	-9.5	-9.5	---	---	CE
SEC	HILLSB. WASTE TO ENERGY	4	HILLSBOROUGH	ST	MSW	---	3 / 2025	-9.5	-9.5	-9.5	-9.5	-9.5	-9.5	---	---	CE
DEF	ORANGE COGEN (CFR-BIOGEN)	1	POLK	CS	NG	---	12 / 2025	-104.0	-104.0	-104.0	-104.0	-104.0	-104.0	---	---	CE
<u>2026</u>																
SEC	CITY OF TAMPA REFUSE-TO-ENERGY	1	HILLSBOROUGH	ST	MSW	---	8 / 2026	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	---	---	CE
<u>2027</u>																
JEA	TRAILRIDGE	1	DUVAL	IC	LFG	---	1 / 2027	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	---	---	CE
JEA	TRAILRIDGE	2	SARASOTA	IC	LFG	---	1 / 2027	-6.0	-6.0	-6.0	-6.0	-6.0	-6.0	-6.0	-6.0	C
<u>2028</u>																
NO ENTRIES																

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**FRCC Form 3.1 (Solar)
PLANNED AND PROSPECTIVE SOLAR NON-UTILITY, QF, AND SELF SERVICE GENERATION FACILITIES
INSTALLATIONS, CHANGES, AND REMOVALS
JANUARY 1, 2019 THROUGH DECEMBER 31, 2028**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
UTIL	FACILITY NAME	UNIT NO.	LOCATION	UNIT TYPE	PRIMARY FUEL TYPE	COMMERCIAL IN-SERVICE/ RETIREMENT/ OR CHANGE IN CONTRACT	NAMEPLATE CAPABILITY _{AC} (MW)	POTENTIAL EXPORT TO GRID AT TIME OF PEAK				CONTRACT STATUS
						MO. / YEAR		FIRM		UNCOMMITTED		
								SUM (MW)	WIN (MW)	SUM (MW)	WIN (MW)	
<u>2019</u>												
JEA	SUNPORT SOLAR	1	DUVAL	PV	SUN	10 / 2019	5.0	---	---	---	---	C
TAL	FL SOLAR 4	1	LEON	PV	SUN	12 / 2019	40.0	---	---	40.0	40.0	C
<u>2020</u>												
DEF	SOLAR QF	1 & 2	UNKNOWN	PV	SUN	12 / 2020	75.0	---	---	---	---	NC
JEA	CECIL COMMERCE SOLAR	1	DUVAL	PV	SUN	12 / 2020	50.0	---	---	---	---	C
<u>2021</u>												
JEA	BEAVER STREET SOLAR	1	DUVAL	PV	SUN	3 / 2021	50.0	---	---	---	---	C
JEA	DEEP CREEK SOLAR	1	DUVAL	PV	SUN	6 / 2021	50.0	---	---	---	---	C
JEA	FOREST TRAIL SOLAR	1	DUVAL	PV	SUN	9 / 2021	50.0	---	---	---	---	C
DEF	SOLAR QF	3	UNKNOWN	PV	SUN	12 / 2021	150.0	---	---	---	---	NC
JEA	WESTLAKE SOLAR	1	DUVAL	PV	SUN	12 / 2021	50.0	---	---	---	---	C
<u>2022</u>												
SEC	CORONAL SOLAR	TBD	UNKNOWN	PV	SUN	1 / 2022	40.0	40.0	---	---	---	C
DEF	SOLAR QF	4	UNKNOWN	PV	SUN	12 / 2022	150.0	---	---	---	---	NC
<u>2023</u>												
DEF	SOLAR QF	5	UNKNOWN	PV	SUN	12 / 2023	150.0	---	---	---	---	NC
<u>2024</u>												
DEF	SOLAR QF	6	UNKNOWN	PV	SUN	12 / 2024	75.0	---	---	---	---	NC
<u>2025</u>												
DEF	SOLAR QF	7	UNKNOWN	PV	SUN	12 / 2025	75.0	---	---	---	---	NC

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PLANNED AND PROSPECTIVE SOLAR NON-UTILITY, QF, AND SELF SERVICE GENERATION FACILITIES
INSTALLATIONS, CHANGES, AND REMOVALS
JANUARY 1, 2019 THROUGH DECEMBER 31, 2028**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
UTIL	FACILITY NAME	UNIT NO.	LOCATION	UNIT TYPE	PRIMARY FUEL TYPE	COMMERCIAL IN-SERVICE/ RETIREMENT/ OR CHANGE IN CONTRACT	NAMEPLATE CAPABILITY _{AC} (MW)	POTENTIAL EXPORT TO GRID AT TIME OF PEAK				CONTRACT STATUS
						MO. / YEAR		FIRM		UNCOMMITTED		
								SUM	WIN	SUM	WIN	
								(MW)	(MW)	(MW)	(MW)	
<u>2026</u>												
DEF	SOLAR QF	8	UNKNOWN	PV	SUN	12 / 2026	75.0	---	---	---	---	NC
<u>2027</u>												
DEF	SOLAR QF	9	UNKNOWN	PV	SUN	12 / 2027	75.0	---	---	---	---	NC
<u>2028</u>												
DEF	SOLAR QF	10	UNKNOWN	PV	SUN	12 / 2028	75.0	---	---	---	---	NC

2019
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FLORIDA RELIABILITY COORDINATING COUNCIL
NON-UTILITY GENERATING FACILITIES SUMMARY

SUMMER			WINTER		
YEAR	FIRM NET TO GRID (MW)	UNCOMMITTED NUG GENERATION (MW)	YEAR	FIRM NET TO GRID (MW)	UNCOMMITTED NUG GENERATION (MW)
2019	1,127.3	130.8	2019/20	1,192.6	159.6
2020	782.7	130.8	2020/21	848.0	159.6
2021	782.7	130.8	2021/22	1,423.0	159.6
2022	1,368.7	130.8	2022/23	1,423.0	159.6
2023	1,368.7	130.8	2023/24	1,304.3	140.8
2024	1,578.0	121.8	2024/25	1,541.3	140.8
2025	1,425.0	121.8	2025/26	1,399.3	140.8
2026	1,321.0	121.8	2026/27	1,364.3	134.8
2027	1,286.0	115.8	2027/28	1,364.3	134.8
2028	1,286.0	115.8	2028/29	1,364.3	134.8

2019
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SUMMARY OF FIRM CAPACITY AND ENERGY CONTRACTS
AS OF JANUARY 1, 2019

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
PURCHASING ENTITY	SELLING ENTITY	CONTRACT TERM		CONTRACT CAPACITY		PRIMARY FUEL	DESCRIPTION
		FROM (MM/DD/YY)	TO (MM/DD/YY)	SUMMER (MW)	WINTER (MW)		
ALACHUA	FMPA	08/14/83	01/01/99	0.4	0.4	NUC	Entitlement Share of St. Lucie Project (St. Lucie #2)
DEF	GE	04/01/07	04/30/24	160	174.03	NG	Shady Hills PPA
DEF	GE	04/01/07	04/30/24	160	174.03	NG	Shady Hills PPA
DEF	GE	04/01/07	04/30/24	160	174.03	NG	Shady Hills PPA
DEF	NSG	06/01/12	05/31/27	160	170.03	NG	Vandolah with present owner (Northern Star Generation)
DEF	NSG	06/01/12	05/31/27	160	170.03	NG	Vandolah with present owner (Northern Star Generation)
DEF	NSG	06/01/12	05/31/27	160	170.03	NG	Vandolah with present owner (Northern Star Generation)
DEF	NSG	06/01/12	05/31/27	160	170.03	NG	Vandolah with present owner (Northern Star Generation)
DEF	SOU	06/01/16	05/31/21	424	424	NG	Southern purchase extension
FKE	FPL	02/17/11	12/31/31	156	122	NG	FKE has entered into a long term full requirements contract with FPL to purchase power.
FMPA	KEY	04/01/98	12/31/32	36.5	36.5	DFO	All KEYS owned capacity is used by FMPA to serve the ARP
FMPA	KUA	01/01/14	01/01/99	241.7	252.7	NG	All KUA owned capacity is used by FMPA to serve the ARP
FMPA	Nextera	06/30/20	06/30/39	58	58	SUN	PPA with Nextera (Solar). No Firm Capacity to Grid.
FMPA	SOU	10/01/03	09/30/23	81.4	87.1	NG	PPA with SOU (Stanton A)
FMPA	SOU	12/16/07	12/16/27	162	180	NG	PPA with SOU (Oleander 5)
FMPA	TBD	06/01/25	09/30/25	15.2	0	OTH	Placeholder for meeting Summer loads plus reserve margin
FMPA	TBD	06/01/26	09/30/26	32.5	0	OTH	Placeholder for meeting Summer loads plus reserve margin
FMPA	TBD	06/01/27	09/30/27	49.1	0	OTH	Placeholder for meeting Summer loads plus reserve margin.
FMPA	TBD	06/01/28	09/30/28	138.3	0	OTH	Placeholder for meeting Summer
FPL	OTH	01/01/12	04/01/34	40	40	MSW	Palm Beach SWA
FPL	OTH	01/01/15	04/01/34	70	70	MSW	Palm Beach SWA- additional
FPL	OUC	10/01/18	12/31/20	100	70	OTH	PPA
GRU	FIT	01/01/09	12/31/28	0.6	0.6	SUN	Load-reducing 2009 Feed-In Tariff installations
GRU	FIT	01/01/10	12/31/29	2.7	2.7	SUN	Load-reducing 2010 Feed-In Tariff installations
GRU	FIT	01/01/11	12/31/30	6	6	SUN	Load-reducing 2011 Feed-In Tariff installations
GRU	FIT	01/01/12	12/31/31	4.8	4.8	SUN	Load-reducing 2012 Feed-In Tariff installations
GRU	FIT	01/01/13	12/31/32	4.5	4.5	SUN	Load-reducing 2013 Feed-In Tariff installations
GRU	G2 U1&2	01/01/09	12/31/23	3	3	LFG	This Renewable Energy power producer, G2 Energy, is located in Ocala, FL at the Baseline Landfill.
GRU	G2 U3	09/01/10	12/31/23	0.8	0.8	LFG	This Renewable Energy power producer, G2 Energy, is located in Ocala, FL at the Baseline Landfill.
HST	DEF	01/01/13	12/31/19	40	40	BIT	This is a system sales contract.
HST	FMPA	08/14/83	01/01/99	7	7.3	NUC	Entitlement Share in St. Lucie Project (St. Lucie #2)

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SUMMARY OF FIRM CAPACITY AND ENERGY CONTRACTS
AS OF JANUARY 1, 2019

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
PURCHASING ENTITY	SELLING ENTITY	CONTRACT TERM		CONTRACT CAPACITY		PRIMARY FUEL	DESCRIPTION
		FROM (MM/DD/YY)	TO (MM/DD/YY)	SUMMER (MW)	WINTER (MW)		
HST	FMPA	07/01/87	01/01/99	7.7	7.7	BIT	Entitlement Share in Stanton Project (Stanton 1)
HST	FMPA	07/01/87	01/01/99	5.1	5.1	BIT	Entitlement Share in Tri-City Project (Stanton 1)
HST	FMPA	06/01/96	01/01/99	8.3	8.3	BIT	Entitlement Share in Stanton II Project (Stanton 2)
HST	FPL	01/01/16	12/31/24	27	27	OTH	System sale from FPL
HST	MDA	01/01/20	12/31/25	15	15	OTH	TBD
HST	SEC	01/01/16	12/31/21	15	15	OTH	Contract from SEC
JEA	MEAG	11/01/21	11/01/41	100	100	NUC	Nuclear PPA from the Municipal Electric Authority of Georgia (MEAG) for Vogtle Unit 3
JEA	MEAG	11/01/22	11/01/22	100	100	NUC	Nuclear PPA from the Municipal Electric Authority of Georgia (MEAG) for Vogtle Unit 4
JEA	SOU	01/01/18	01/01/20	200	200	NG	Annual Capacity and Energy
LWU	FMPA	08/14/83	01/01/46	21.6	22.41	NUC	Entitlement Share in St. Lucie Project (St. Lucie #2)
LWU	FMPA	07/01/87	01/01/46	10.4	10.4	BIT	Entitlement Share in Stanton Project (Stanton 1)
LWU	OUC	01/01/19	12/31/19	38	38	OTH	Represents PR purchase from OUC.
LWU	OUC	01/01/20	12/31/20	39	39	OTH	Represents PR purchase from OUC.
LWU	OUC	01/01/21	12/31/22	40	40	OTH	Represents PR purchase from OUC.
LWU	OUC	01/01/23	12/31/24	41	41	OTH	Represents PR purchase from OUC.
LWU	OUC	01/01/25	12/31/25	42	42	OTH	Represents PR purchase from OUC.
NSB	DEF	01/01/09	12/31/18	30	30	NA	Partial Requirements
NSB	FMPA	08/14/83	01/01/99	8.6	8.9	NUC	Entitlement Share in St. Lucie Project (St. Lucie #2)
NSB	FPL	02/01/14	12/31/21	45	45	NA	Native Load Firm
NSB	FPL	01/01/17	12/31/21	20	20	NG	Peaking
NSB	FPL	01/01/19	12/31/21	30	30	NG	Intermediate
NSB	FPL	01/01/19	12/31/21	30	30	OTH	Intermediate
NSB	TBD	01/01/22	12/31/27	60	60	NA	Future supply
OUC	OTH	10/01/13	09/30/33	2.56	2.56	LFG	LFG PPA (Port Charlotte)
OUC	OTH	01/01/17	12/31/36	6	6	LFG	LFG PPA (Orange County)
OUC	OTH	01/01/17	12/31/35	9	9	SUN	Stanton Solar Farm PPA
OUC	OTH	01/01/19	12/31/29	9	9	LFG	LFG PPA (CBI)
OUC	SOU	01/01/18	09/30/31	342	350	NG	OUC PPA with SOU for Stanton A capacity.
OUC	TBD	10/01/20	12/31/40	19	0	SUN	Future Solar PPA 1
OUC	TBD	10/01/20	12/31/40	37	0	SUN	Future Solar PPA 2
RCI	DEF	01/01/17	12/31/17	138	89	NA	Firm Base Load Purchase, this is a reserved product.

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AS OF JANUARY 1, 2019

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
PURCHASING ENTITY	SELLING ENTITY	CONTRACT TERM		CONTRACT CAPACITY		PRIMARY FUEL	DESCRIPTION
		FROM (MM/DD/YY)	TO (MM/DD/YY)	SUMMER (MW)	WINTER (MW)		
RCI	DEF	01/25/17	01/01/19	53	53	OTH	Firm purchase.
RCI	DEF	01/01/18	12/31/18	139	89	NA	Firm Base Load Purchase, this is a reserved product.
RCI	DEF	01/01/19	12/31/19	140	90	NA	Firm Base Load Purchase, this is a reserved product.
RCI	DEF	01/01/20	12/31/20	141	90	NA	Firm Base Load Purchase, this is a reserved product.
RCI	DEF	01/01/21	12/31/21	128	94	NG	Firm Base Load Purchase, this is a reserved product.
RCI	HARVEST	03/01/14	12/31/34	1.2	1.2	OBG	Harvest Power anaerobic digester
RCI	DEF	03/01/16	03/01/31	5	5	SUN	PV PPA
RCI	OTH	01/01/19	01/01/36	50	50	SUN	PV PPA; FL Solar 5 LLC
RCI	TBD	01/01/21	12/31/21	136	98	NA	Undetermined Purchase, this is a reserved product.
RCI	TBD	01/01/22	12/31/22	141	98	NA	Undetermined Purchase, this is a reserved product.
RCI	TBD	01/01/23	12/31/23	142	99	NA	Undetermined Purchase, this is a reserved product.
RCI	TBD	01/01/24	12/31/24	144	100	NA	Undetermined Purchase, this is a reserved product.
RCI	TBD	01/01/25	12/31/25	145	101	NA	Undetermined Purchase, this is a reserved product.
RCI	TBD	01/01/26	12/31/26	146	103	NA	Undetermined Purchase, this is a reserved product.
RCI	TBD	01/01/27	12/31/27	147	103	NA	Undetermined Purchase, this is a reserved product.
RCI	TBD	01/01/28	12/31/28	148	104	OTH	Undetermined Purchase, this is a reserved product.
RCI	TEC	08/01/18	08/31/18	6	0	NA	Firm Peaking Purchase; this is a reserved product.
SEC	CORONAL	01/01/22	12/31/41	40	0	SUN	PV PPA
SEC	DEF	01/01/14	12/31/20	0	600	NA	System firm Winter Seasonal Peaking Capacity purchase.
SEC	DEF	01/01/14	12/31/20	150	150	NA	System firm intermediate capacity purchase
SEC	DEF	06/01/17	09/30/20	100	0	NA	System firm Summer Seasonal Peaking Capacity purchase
SEC	DEF	01/01/19	05/31/19	0	250	NA	System firm intermediate capacity purchase
SEC	DEF	06/01/19	12/31/22	500	500	NA	System firm intermediate capacity purchase
SEC	DEF	01/01/21	12/31/21	0	150	NA	System firm Winter Seasonal Peaking Capacity purchase
SEC	DEF	01/01/21	05/31/21	0	5	NA	System firm intermediate capacity purchase
SEC	DEF	01/01/21	05/31/21	0	5	NA	System firm peaking capacity purchase
SEC	DEF	06/01/21	12/31/30	50	50	NA	System firm intermediate capacity purchase
SEC	DEF	06/01/21	12/31/26	50	50	NA	System firm peaking capacity purchase
SEC	DEF	01/01/22	12/31/22	0	100	NA	System firm Winter Seasonal Peaking Capacity purchase
SEC	DEF	01/01/23	12/31/23	0	50	NA	System firm Winter Seasonal Peaking Capacity purchase
SEC	DEF	01/01/23	12/31/24	200	200	NA	System firm intermediate capacity purchase

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
PURCHASING ENTITY	SELLING ENTITY	CONTRACT TERM		CONTRACT CAPACITY		PRIMARY FUEL	DESCRIPTION
		FROM (MM/DD/YY)	TO (MM/DD/YY)	SUMMER (MW)	WINTER (MW)		
SEC	DEF	01/01/24	12/31/24	0	150	NA	System firm Winter Seasonal Peaking Capacity purchase
SEC	DEF	01/01/25	12/31/25	0	75	NA	System firm Winter Seasonal Peaking Capacity purchase
SEC	DEF	01/01/26	12/31/26	0	175	NA	System firm Winter Seasonal Peaking Capacity purchase
SEC	DEF	01/01/27	03/31/27	0	300	NA	System firm Winter Seasonal Peaking Capacity purchase
SEC	DEF	01/01/27	12/31/27	100	100	NA	System firm peaking capacity purchase
SEC	DEF	01/01/28	12/31/28	200	200	NA	System firm peaking capacity purchase
SEC	DEF	01/01/29	12/31/29	250	250	NA	System firm peaking capacity purchase
SEC	DEF	01/01/30	12/31/30	300	300	NA	System firm peaking capacity purchase
SEC	DEF	01/01/31	12/31/35	50	50	NA	System firm peaking capacity purchase
SEC	FPL	06/01/14	05/31/21	200	200	NA	System firm intermediate capacity purchase
SEC	HILLS	03/01/10	02/28/25	38	38	MSW	Municipal solid waste facility (Hillsborough Waste to Energy)
SEC	HPP	01/01/13	12/31/32	72	88	NG	Intermediate firm capacity purchase - Hardee CT1B
SEC	HPP	01/01/13	12/31/32	76	91	WH	Intermediate firm capacity purchase - Hardee ST1
SEC	HPP	01/01/13	12/31/32	72	88	NG	Intermediate firm capacity purchase - Hardee CT1A
SEC	HPP	01/01/13	12/31/32	70	89	NG	The firm capacity for Hardee CT2A has been reduced to 0 to reflect current transmission limitations.
SEC	HPP	01/01/13	12/31/32	70	89	NG	CT firm capacity purchase - Hardee CT 2B
SEC	OTH	01/01/14	12/31/55	57	57	DFO	Firm purchase from SECI Members for Diesel Generation (CBGs)
SEC	OTH	08/01/17	08/31/27	0.7	0	SUN	Leased MGS Solar facility. 0.05% yearly output degradation.
SEC	OTH	12/01/21	11/30/51	546	575	NG	Shady Hills CC Facility. Regulatory approval received but not under construction.
SEC	OTH	06/01/24	05/31/39	164	176	NG	Shady Hills Generating Station Unit 2
SEC	OTH	06/01/24	05/31/39	164	176	NG	Shady Hills Generating Station Unit 3
SEC	SCS	06/01/21	12/31/22	150	150	NA	SCS system firm baseload capacity purchase
SEC	SCS	01/01/23	05/31/26	100	100	NA	SCS system firm baseload capacity purchase
SEC	SOU	12/01/02	12/31/21	153	182	NG	CT firm capacity purchase - Oleander 2(2nd PPA) EXTENDED
SEC	SOU	12/01/02	12/31/21	153	182	NG	CT firm capacity purchase - Oleander 3(2nd PPA) EXTENDED
SEC	SOU	12/01/02	12/31/21	153	182	NG	CT firm capacity purchase - Oleander 4(2nd PPA) EXTENDED
SEC	Tampa	08/01/11	07/31/26	20	20	MSW	McKay Bay Waste to Energy facility (City of Tampa Waste to Energy)
SEC	TBD	06/01/21	09/30/21	33	0	NG	System firm seasonal purchase
SEC	TBD	12/01/21	03/31/22	0	12	NG	System firm seasonal purchase
SEC	TBD	12/01/22	03/31/23	0	15	NG	System firm seasonal purchase
SEC	TBD	06/01/26	09/30/26	45	0	NG	System firm seasonal purchase

2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL
FRCC Form 12
SUMMARY OF FIRM CAPACITY AND ENERGY CONTRACTS
AS OF JANUARY 1, 2019

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
PURCHASING ENTITY	SELLING ENTITY	CONTRACT TERM		CONTRACT CAPACITY		PRIMARY FUEL	DESCRIPTION
		FROM (MM/DD/YY)	TO (MM/DD/YY)	SUMMER (MW)	WINTER (MW)		
SEC	TBD	06/01/27	09/30/27	42	0	NG	System firm seasonal purchase
SEC	TBD	12/01/27	03/31/28	0	217	NG	System firm seasonal purchase
SEC	TBD	12/01/28	03/31/29	0	221	NG	System firm seasonal purchase
SEC	TELOGIA	07/01/09	05/31/20	13	13	WDS	Telogia Power LLC: Wood waste fueled biomass facility
SEC	TIMBERLINE	02/01/08	03/31/20	1.6	1.6	LFG	Timberline Energy: Landfill gas-to-energy facility - Hernando
STC	FMPA	06/01/96	01/01/46	15.1	15.1	BIT	Entitlement Share in Stanton II Project (Stanton 2)
STC	OUC	10/01/18	09/30/19	185	157	OTH	Interchange between OUC and STC per Interlocal Agreement.
STC	OUC	10/01/19	09/30/20	190	160	OTH	Interchange between OUC and STC per Interlocal Agreement.
STC	OUC	10/01/20	09/30/21	195	164	OTH	Interchange between OUC and STC per Interlocal Agreement.
STC	OUC	10/01/21	09/30/22	201	170	OTH	Interchange between OUC and STC per Interlocal Agreement.
STC	OUC	10/01/22	09/30/23	208	175	OTH	Interchange between OUC and STC per Interlocal Agreement.
STC	OUC	10/01/23	09/30/24	215	181	OTH	Interchange between OUC and STC per Interlocal Agreement.
STC	OUC	10/01/24	09/30/25	222	187	OTH	Interchange between OUC and STC per Interlocal Agreement.
STC	OUC	10/01/25	09/30/26	229	194	OTH	Interchange between OUC and STC per Interlocal Agreement.
STC	OUC	10/01/26	09/30/27	229	200	OTH	Interchange between OUC and STC per Interlocal Agreement.
STC	OUC	10/01/26	09/30/27	237	200	OTH	Interchange between OUC and STC per Interlocal Agreement.
STC	OUC	10/01/27	09/30/28	245	207	OTH	Interchange between OUC and STC per Interlocal Agreement.
TEC	TBD	12/01/20	04/01/21	0	50	OTH	Firm Peaking Purchase
TEC	TBD	12/01/21	04/01/22	0	100	OTH	Firm Peaking Purchase

**2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL**

**FRCC Form 9.0
FUEL REQUIREMENTS
AS OF JANUARY 1, 2019**

(1)	(2)	(3)	(4)	(5) <u>ACTUAL</u>	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
	FUEL REQUIREMENTS		UNITS	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
(1)	NUCLEAR		TRILLION BTU	318	315	315	315	321	317	316	321	317	315	328
(2)	COAL		1000 TON	15,115	12,565	11,356	11,015	10,354	8,079	8,524	8,521	8,415	8,748	9,470
	RESIDUAL													
(3)	STEAM		1000 BBL	484	75	1	8	0	0	0	0	0	0	0
(4)	CC		1000 BBL	0	0	0	0	0	0	0	0	0	0	0
(5)	CT		1000 BBL	0	0	0	0	0	0	0	0	0	0	0
(6)	TOTAL:		1000 BBL	484	75	1	8	0	0	0	0	0	0	0
	DISTILLATE													
(7)	STEAM		1000 BBL	95	49	58	57	55	40	39	38	36	38	38
(8)	CC		1000 BBL	97	0	0	0	1	5	3	3	2	3	3
(9)	CT		1000 BBL	261	86	89	48	29	34	102	193	117	185	173
(10)	TOTAL:		1000 BBL	453	135	147	105	85	79	144	234	155	226	214
	NATURAL GAS													
(11)	STEAM		1000 MCF	113,871	61,417	47,216	39,627	30,452	25,764	27,599	26,682	27,359	30,537	29,279
(12)	CC		1000 MCF	1,055,132	1,048,515	1,084,121	1,077,472	1,054,131	1,082,097	1,089,443	1,077,546	1,088,584	1,083,655	1,055,675
(13)	CT		1000 MCF	26,418	18,463	13,653	17,095	14,477	11,401	12,491	11,889	12,233	19,153	21,378
(14)	TOTAL:		1000 MCF	1,195,421	1,128,395	1,144,990	1,134,194	1,099,060	1,119,262	1,129,533	1,116,117	1,128,176	1,133,345	1,106,332
(15)	OTHER													
	PET COKE		1000 TON	197	0	0	0	0	0	0	0	0	0	161
	LFG & BIOFUELS		1000 MMBTU	1169	828	940	716	601	719	655	645	688	677	696

**2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL**

**FRCC Form 9.1
ENERGY SOURCES (GWH)
AS OF JANUARY 1, 2019**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
ENERGY SOURCES			UNITS	ACTUAL 2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
(1)	FIRM INTER-REGION INTERCHANGE		GWH	5,261	2,873	1,545	2,299	3,453	3,885	3,077	2,778	2,872	2,252	2,169
(2)	NUCLEAR		GWH	29,153	29,660	29,639	29,586	30,225	29,774	29,655	30,207	29,787	29,522	30,865
(3)	COAL		GWH	31,987	27,347	24,535	24,112	22,862	17,405	18,376	18,415	18,154	18,709	20,167
	RESIDUAL													
(4)	STEAM		GWH	272	49	1	5	0	0	0	0	0	0	0
(5)	CC		GWH	0	0	0	0	0	0	0	0	0	0	0
(6)	CT		GWH	0	0	0	0	0	0	0	0	0	0	0
(7)	TOTAL:		GWH	272	49	1	5	0	0	0	0	0	0	0
	DISTILLATE													
(8)	STEAM		GWH	55	23	23	21	18	10	10	11	11	11	11
(9)	CC		GWH	78	0	0	0	1	4	3	2	1	2	2
(10)	CT		GWH	121	45	37	21	13	15	40	80	47	76	73
(11)	TOTAL:		GWH	254	68	60	42	32	29	53	93	59	89	86
	NATURAL GAS													
(12)	STEAM		GWH	10,020	5,464	4,181	3,544	2,773	2,283	2,426	2,378	2,411	2,715	2,630
(13)	CC		GWH	148,010	153,406	159,872	158,768	155,684	161,369	162,344	160,462	162,659	162,204	157,902
(14)	CT		GWH	2,259	1,687	1,309	1,677	1,410	1,097	1,185	1,106	1,133	1,790	1,977
(15)	TOTAL:		GWH	160,289	160,557	165,362	163,989	159,867	164,749	165,955	163,946	166,203	166,709	162,509
(16)	NUG		GWH	0	0	0	0	0	0	0	0	0	0	0
	RENEWABLES													
(17)	BIOFUELS		GWH	26	22	22	22	22	22	22	22	22	22	22
(18)	BIOMASS		GWH	986	425	501	313	224	314	260	250	295	280	316
(19)	HYDRO		GWH	21	3	0	0	0	0	0	0	0	0	0
(20)	LANDFILL GAS		GWH	287	358	369	371	380	393	359	386	399	278	276
(21)	MSW		GWH	845	755	757	755	755	755	757	755	755	755	757
(22)	SOLAR		GWH	2,190	4,232	7,322	10,086	13,349	15,798	18,235	21,262	21,873	24,229	27,346
(23)	WIND		GWH	0	0	0	0	0	0	0	0	0	0	0
(24)	OTHER RENEW.		GWH	0	0	0	0	0	0	0	0	0	0	0
(25)	TOTAL:		GWH	4,355	5,795	8,971	11,547	14,730	17,282	19,633	22,675	23,344	25,564	28,717
(26)	OTHER		GWH	5,365	9,474	8,187	8,299	10,035	9,262	6,873	6,807	6,109	5,954	6,784
(27)	NET ENERGY FOR LOAD		GWH	235,110	233,902	236,371	237,957	239,284	240,464	242,808	244,425	246,526	248,797	251,295

**2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL**

**FRCC Form 9.2
ENERGY SOURCES (%)
AS OF JANUARY 1, 2019**

(1)	(2)	(3)	(4)	(5) ACTUAL	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
	ENERGY SOURCES		UNITS	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
(1)	FIRM INTER-REGION INTERCHANGE		%	2.24%	1.23%	0.65%	0.97%	1.44%	1.62%	1.27%	1.14%	1.16%	0.91%	0.86%
(2)	NUCLEAR		%	12.40%	12.68%	12.54%	12.43%	12.63%	12.38%	12.21%	12.36%	12.08%	11.87%	12.28%
(3)	COAL		%	13.61%	11.69%	10.38%	10.13%	9.55%	7.24%	7.57%	7.53%	7.36%	7.52%	8.03%
	RESIDUAL													
(4)	STEAM		%	0.12%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
(5)	CC		%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
(6)	CT		%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
(7)	TOTAL:		%	0.12%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	DISTILLATE													
(8)	STEAM		%	0.02%	0.01%	0.01%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
(9)	CC		%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
(10)	CT		%	0.05%	0.02%	0.02%	0.01%	0.01%	0.01%	0.02%	0.03%	0.02%	0.03%	0.03%
(11)	TOTAL:		%	0.11%	0.03%	0.03%	0.02%	0.01%	0.01%	0.02%	0.04%	0.02%	0.04%	0.03%
	NATURAL GAS													
(12)	STEAM		%	4.26%	2.34%	1.77%	1.49%	1.16%	0.95%	1.00%	0.97%	0.98%	1.09%	1.05%
(13)	CC		%	62.95%	65.59%	67.64%	66.72%	65.06%	67.11%	66.86%	65.65%	65.98%	65.20%	62.84%
(14)	CT		%	0.96%	0.72%	0.55%	0.70%	0.59%	0.46%	0.49%	0.45%	0.46%	0.72%	0.79%
(15)	TOTAL:		%	68.18%	68.64%	69.96%	68.92%	66.81%	68.51%	68.35%	67.07%	67.42%	67.01%	64.67%
(16)	NUG		%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	RENEWABLES													
(17)	BIOFUELS		%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%
(18)	BIOMASS		%	0.42%	0.18%	0.21%	0.13%	0.09%	0.13%	0.11%	0.10%	0.12%	0.11%	0.13%
(19)	HYDRO		%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
(20)	LANDFILL GAS		%	0.12%	0.15%	0.16%	0.16%	0.16%	0.16%	0.15%	0.16%	0.16%	0.11%	0.11%
(21)	MSW		%	0.36%	0.32%	0.32%	0.32%	0.32%	0.31%	0.31%	0.31%	0.31%	0.30%	0.30%
(22)	SOLAR		%	0.93%	1.81%	3.10%	4.24%	5.58%	6.57%	7.51%	8.70%	8.87%	9.74%	10.88%
(23)	WIND		%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
(24)	OTHER RENEW.		%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
(25)	TOTAL:		%	1.85%	2.48%	3.80%	4.85%	6.16%	7.19%	8.09%	9.28%	9.47%	10.28%	11.43%
(26)	OTHER		%	2.28%	4.05%	3.46%	3.49%	4.19%	3.85%	2.83%	2.78%	2.48%	2.39%	2.70%
(27)	NET ENERGY FOR LOAD		%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

**2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL**

**FRCC Form 13
SUMMARY AND SPECIFICATIONS OF PROPOSED TRANSMISSION LINES
AS OF JANUARY 1, 2019**

(1)	(2)		(3)	(4)	(5)	(6)	(7)
LINE OWNERSHIP	TERMINALS		LINE LENGTH CKT. MILES	COMMERCIAL IN-SERVICE (MO./YR)	NOMINAL VOLTAGE (kV)	CAPACITY (MVA)	SITED UNDER *
TEC	MINES	LITHIA SOLAR	0.1	1 / 2019	230	1119	NA
FPL	LEVEE	MIDWAY	150	6 / 2019	500	2598	TLSA
JEA	GREENLAND ENERGY CTR	BARTRAM	8.84	6 / 2020	230	668	NA
TEC	POLK POWER STATION	ALAFIA SOLAR	1.7	1 / 2021	230	1119	NA
TAL	SUB 11	SUB 31	0	12 / 2022	115	151	NA
TEC	UNSITED	UNSITED (FUTURE CT1)	0	1 / 2023	0	0	NA
DEF	KATHLEEN	HAINES CITY EAST	50	6 / 2024	230	1260	NA
TEC	UNSITED	UNSITED (FUTURE CC1)	0	1 / 2026	0	0	NA

* TLSA: Transmission Line Siting Act

* PPSA: Power Plant Siting Act

**2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL**

**ABBREVIATIONS
ELECTRIC MARKET PARTICIPANTS**

CAL	-	Calpine	LCEC	-	Lee County Electric Cooperative
DEF	-	Duke Energy Florida	LWU	-	Lake Worth Utilities, City of
FKE	-	Florida Keys Electric Cooperative Association, Inc.	NSB	-	New Smyrna Beach, Utilities Commission of
FMD	-	Ft. Meade, City of	NSG	-	Northern Star Generation
FMPA	-	Florida Municipal Power Agency	NRG	-	NRG Energy
FPL	-	Florida Power & Light	OUC	-	Orlando Utilities Commission
FPU	-	Florida Public Utilities	OUS	-	Ocala Utility Services
FTP	-	Ft. Pierce Utilities Authority	PEC	-	PowerSouth Energy Cooperative
GE	-	General Electric	RCI	-	Reedy Creek Improvement District
GaPC	-	Georgia Power Company	SEC	-	Seminole Electric Cooperative, Inc.
GPC	-	Gulf Power Company	SEPA	-	Southeastern Power Administration
GRU	-	Gainesville Regional Utilities	SREC	-	Santa Rosa Energy Center
HPP	-	Hardee Power Partners	SOU	-	Southern Power Company
HST	-	Homestead Energy Services	STC	-	St. Cloud, City of
JEA	-	JEA	TAL	-	Tallahassee, City of
KEY	-	Key West, City of	TEC	-	Tampa Electric Company
KUA	-	Kissimmee Utility Authority	VER	-	Vero Beach, City of
LAK	-	Lakeland, City of	WAU	-	Wauchula, City of
<u>OTHER</u>					
FRCC - Florida Reliability Coordinating Council					

**2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL**

GENERATION TERMS

Status of Generation Facilities

A	--	Generating unit capability increased
CO	--	Change of ownership (including change of shares of jointly owned units)
D	--	Generating unit capability decreased
D (S)	--	Solar Degradation
EO	--	Non-Firm Generating Capacity (Energy Only). This generation is not included in calculation of Total Available Capacity.
FC	--	Existing generator planned for conversion to another fuel or energy source
IP	--	Planned generator indefinitely postponed or canceled
IR	--	Inactive Reserves. This generation is not included in calculation of Total Available Capacity.
L	--	Regulatory approval pending. Not under construction
M	--	Generating unit put in deactivated shutdown status
NS	--	Merchant Plant - No system impact study, not under construction
OP	--	Operating, available to operate, or on short-term scheduled or forced outage
OP (IR)	--	Generating unit placed into OP status from Inactive Reserves
OP (M)	--	Generating unit placed into OP status following scheduled maintenance
OP (U)	--	Generating unit placed into OP status following scheduled uprate
OS	--	On long-term scheduled or forced outage; not available to operate. This generation is not included in calculation of Total Available Capacity.
OS (IR)	--	Generating unit placed into OS status for Inactive Reserves
OS (M)	--	Generating unit placed into OS status for scheduled maintenance
OS (RS)	--	Generating unit placed into OS status for reserve shutdown
OS (U)	--	Generating unit placed into OS status for scheduled unit uprate
OT	--	Other
P	--	Planned for installation but not utility-authorized. Not under construction
RA	--	Previously deactivated or retired generator planned for reactivation
RE	--	Retired
RP	--	Proposed for repowering or life extension
RT	--	Existing generator scheduled for retirement
SB	--	Cold Standby: deactivated, in long-term storage and cannot be made available for service in a short period of time. This generation is not included in calculation of Total Available Capacity.
SC	--	Synchronous Condenser
SD	--	Sold to independent power producer
SI	--	Merchant Plant - System impact study completed, not under construction
T	--	Regulatory approval received but not under construction
TS	--	Construction complete, but not yet in commercial operation
U	--	Under construction, less than or equal to 50% complete
V	--	Under construction, more than 50% complete

Ownership

COG	--	Cogenerator
IPP	--	Independent Power Producer
J	--	Utility, joint ownership with one or more other utilities
MER	--	Merchant Generator
SPP	--	Small Power Producing qualifying facility
U	--	Utility, single ownership by respondent

Contracts

C	--	Contract in place
CE	--	Contract Ends
D	--	Decrease in Contract Amount
I	--	Increase in Contract Amount
NC	--	No Contract

Types of Generation Units

CA	--	Combined Cycle Steam Part
CC	--	Combined Cycle Total Unit
CE	--	Compressed Air Energy Storage
CS	--	Combined Cycle Single Shaft
CT	--	Combined Cycle Combustion Turbine Part
FC	--	Fuel Cell
GT	--	Gas Turbine (includes Jet Engine Design)
HY	--	Hydraulic Turbine
IC	--	Internal Combustion Engine
NA	--	Not Available
OT	--	Other
PV	--	Photovoltaic
ST	--	Steam Turbine, including nuclear, and solar steam
WT	--	Wind Turbine

Fuel Transportation Method

CV	--	Conveyor
NA	--	Not Applicable
PL	--	Pipeline
RR	--	Railroad
TK	--	Truck
UN	--	Unknown at this time
WA	--	Water Transportation

Types of Fuel

AB	--	Agriculture Byproducts, Bagasse, Straw, Energy Crops
BIT	--	Bituminous Coal
DFO	--	Distillate Fuel Oil (Diesel, No 1 Fuel Oil, No 2 Fuel Oil, No 4 Fuel Oil)
LFG	--	Landfill Gas
LIG	--	Lignite
MSW	--	Municipal Solid Waste
NA	--	Not Available or Not Applicable
NG	--	Natural Gas
NUC	--	Nuclear
OBG	--	Other BioMass Gases
OBL	--	Other BioMass Liquids
OBS	--	Other BioMass Solids
OG	--	Other Gas
OTH	--	Other
PC	--	Petroleum Coke
RFO	--	Residual Fuel Oil (No 5 Fuel Oil, No 6 Fuel Oil)
SUB	--	Subbituminous Coal
SUN	--	Solar (Photovoltaic, Thermal)
WAT	--	Water
WDS	--	Wood/Wood Waste Solids
WDL	--	Wood/Wood Waste Liquids
WH	--	Waste Heat / Combined Cycle Steam Part
WND	--	Wind

**2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL**

CONTRACT TERMS

FR	--	Full Requirement service agreement
PR	--	Partial Requirement service agreement
Schd D	--	Long term firm capacity and energy interchange agreement
Schd E	--	Non-Firm capacity and energy interchange agreement
Schd F	--	Long term non-firm capacity and energy interchange agreement
Schd G	--	Back-up reserve service
Schd J	--	Contract which the terms and conditions are negotiated yearly
UPS	--	Unit Power Sale

2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL
DEFINITIONS

CAAGR

- Compound Average Annual Growth Rate, usually expressed as a percent.

INTERRUPTIBLE LOAD

- Load which may be disconnected at the supplier's discretion.

LOAD FACTOR

- A percent which is the calculation of NEL / (annual peak demand * the number of hours in the year).

NET CAPABILITY OR NET CAPACITY

- The continuous gross capacity, less the power required by all auxiliaries associated with the unit.

NET ENERGY FOR LOAD (NEL)

- The net system generation PLUS interchange received MINUS interchange delivered.

PEAK DEMAND OR PEAK LOAD

- The net 60-minute integrated demand, actual or adjusted. Forecasted loads assume normal weather conditions.

PENINSULAR FLORIDA

- Geographically, those Florida utilities located east of the Apalachicola River.

QUALIFYING FACILITY (QF)

- The cogenerator or small power producer which meets FERC criteria for a qualifying facility.

SALES FOR RESALE

- Energy sales to other electric utilities.

STATE OF FLORIDA

- Utilities in Peninsular Florida plus Gulf Power Company, West Florida Electric Cooperative, Choctawhatchee Electric Cooperative, Escambia River Electric Cooperative, Gulf Coast Electric Cooperative, and PowerSouth Energy Cooperative.

SUMMER

- June 1 through August 31 of each year being studied.

WINTER

- December 1 through March 1.

YEAR

- The calendar year, January 1, through December 31. Unless otherwise indicated, this is the year used for historical and forecast data.

**STATE OF FLORIDA SUPPLEMENT
TO THE
FLORIDA RELIABILITY COORDINATING COUNCIL
2019
REGIONAL LOAD & RESOURCE PLAN**

**2019
LOAD AND RESOURCE PLAN
STATE OF FLORIDA
HISTORY AND FORECAST**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
SUMMER PEAK DEMAND (MW)					WINTER PEAK DEMAND (MW)					ENERGY		
YEAR	ACTUAL PEAK DEMAND (MW)				YEAR	ACTUAL PEAK DEMAND (MW)				YEAR	NET ENERGY FOR LOAD (GWH)	LOAD FACTOR (%)
2009	49,142				2009 / 10	54,780				2009	239,415	55.6%
2010	48,427				2010 / 11	48,789				2010	247,276	51.5%
2011	47,724				2011 / 12	40,920				2011	237,860	55.7%
2012	46,709				2012 / 13	38,893				2012	234,312	57.3%
2013	47,301				2013 / 14	42,071				2013	235,057	56.7%
2014	48,659				2014 / 15	45,653				2014	238,689	56.0%
2015	48,649				2015 / 16	40,448				2015	248,351	58.3%
2016	50,606				2016 / 17	39,046				2016	246,495	55.6%
2017	49,327				2017 / 18	46,127				2017	244,464	56.6%
2018	48,261				2018 / 19	44,649				2018	249,266	59.0%

YEAR	TOTAL PEAK DEMAND (MW)	INTER- RUPTIBLE LOAD (MW)	LOAD MANAGE- MENT (MW)	NET FIRM PEAK DEMAND (MW)	YEAR	TOTAL PEAK DEMAND (MW)	INTER- RUPTIBLE LOAD (MW)	LOAD MANAGE- MENT (MW)	NET FIRM PEAK DEMAND (MW)	YEAR	NET ENERGY FOR LOAD (GWH)	LOAD FACTOR (%)
2019	50,518	507	2,444	47,567	2019 / 20	46,707	485	2,402	43,820	2019	247,860	59.5%
2020	50,938	593	2,511	47,834	2020 / 21	46,583	532	2,446	43,605	2020	250,070	59.7%
2021	51,482	592	2,561	48,329	2021 / 22	47,960	530	2,489	44,941	2021	251,690	59.5%
2022	51,986	593	2,611	48,782	2022 / 23	47,827	530	2,531	44,766	2022	253,082	59.2%
2023	52,501	592	2,661	49,248	2023 / 24	48,643	528	2,574	45,541	2023	254,326	59.0%
2024	53,158	590	2,710	49,858	2024 / 25	48,847	528	2,621	45,698	2024	256,698	58.8%
2025	53,775	590	2,758	50,427	2025 / 26	49,514	527	2,663	46,324	2025	258,353	58.5%
2026	54,460	589	2,806	51,065	2026 / 27	49,997	527	2,706	46,764	2026	260,491	58.2%
2027	55,202	589	2,851	51,762	2027 / 28	50,429	527	2,750	47,152	2027	262,799	58.0%
2028	55,913	589	2,899	52,425	2028 / 29	50,938	527	2,794	47,617	2028	265,332	57.8%

NOTE: FORECASTED SUMMER AND WINTER DEMANDS ARE NON-COINCIDENT.

**2019
LOAD AND RESOURCE PLAN
STATE OF FLORIDA**
**FRCC Form 4.0
HISTORY AND FORECAST OF ENERGY CONSUMPTION AND
NUMBER OF CUSTOMERS BY CUSTOMER CLASS
AS OF JANUARY 1, 2019**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
YEAR	RURAL & RESIDENTIAL			COMMERCIAL			INDUSTRIAL			STREET & HIGHWAY LIGHTING GWH	OTHER SALES GWH	TOTAL SALES GWH	WHOLESALE PURCHASES FOR RESALE GWH	WHOLESALE SALES FOR RESALE GWH	UTILITY USE & LOSSES GWH	AGGREGATION ADJUSTMENT GWH	NET ENERGY FOR LOAD GWH
	AVERAGE NO. OF CUSTOMERS	AVG. KWH CONSUMPTION PER CUST.	GWH	AVERAGE NO. OF CUSTOMERS	AVG. KWH CONSUMPTION PER CUST.	GWH	AVERAGE NO. OF CUSTOMERS	AVG. KWH CONSUMPTION PER CUST.	GWH								
2009	113,343	8,338,111	13,593	80,874	1,033,057	78,286	20,811	27,627	753,285	839	5,382	221,249	0	8,515	14,472	-4,821	239,415
2010	118,871	8,325,474	14,278	80,171	1,030,890	77,769	20,716	27,047	765,926	858	5,365	225,981	0	9,840	16,782	-5,327	247,276
2011	113,410	8,364,698	13,558	80,321	1,037,455	77,421	20,543	27,184	755,702	850	5,340	220,464	0	8,948	12,448	-4,000	237,860
2012	109,163	8,419,984	12,965	80,905	1,047,831	77,212	19,616	25,979	755,071	845	5,351	215,880	0	8,341	13,541	-3,450	234,312
2013	110,127	8,515,868	12,932	83,283	1,061,129	78,485	17,047	20,709	823,169	835	5,297	216,589	0	7,954	13,429	-2,915	235,057
2014	111,825	8,532,564	13,106	83,326	1,068,656	77,973	17,223	21,657	795,263	827	5,444	218,645	0	11,374	12,479	-3,809	238,689
2015	117,738	8,666,064	13,586	85,996	1,077,633	79,801	17,355	22,706	764,335	857	5,736	227,682	0	12,827	12,987	-5,145	248,351
2016	118,663	8,797,121	13,489	86,268	1,093,241	78,910	17,248	23,154	744,925	848	5,718	228,745	0	13,237	11,480	-6,967	246,495
2017	116,740	8,914,734	13,095	85,681	1,106,795	77,414	17,329	22,994	753,631	753	5,731	226,234	0	13,218	11,974	-6,962	244,464
2018	119,980	9,009,348	13,317	86,000	1,102,695	77,991	17,394	22,732	765,177	750	5,932	230,056	0	13,718	12,043	-6,551	249,266
2009-2018																	
% AAGR	0.63%			0.69%			-1.97%										0.45%
2019	120,140	9,265,769	12,966	87,664	1,151,559	76,126	17,428	23,353	746,285	747	6,003	231,982	0	11,633	11,998	-7,753	247,860
2020	121,453	9,392,238	12,931	88,499	1,163,829	76,041	17,645	24,451	721,647	751	6,045	234,393	0	11,403	11,970	-7,696	250,070
2021	122,459	9,520,772	12,862	89,057	1,175,304	75,774	17,808	25,182	707,172	754	6,086	236,164	0	10,824	11,903	-7,201	251,690
2022	123,150	9,647,746	12,765	89,597	1,186,532	75,512	17,880	25,645	697,212	758	6,177	237,562	0	10,705	11,947	-7,132	253,082
2023	123,849	9,773,749	12,672	90,173	1,197,363	75,310	17,996	25,959	693,247	761	6,254	239,033	0	10,139	11,991	-6,837	254,326
2024	125,118	9,897,939	12,641	90,815	1,207,959	75,181	18,062	26,247	688,155	763	6,310	241,068	0	10,237	12,263	-6,870	256,698
2025	126,430	10,019,941	12,618	91,337	1,218,488	74,959	18,149	26,548	683,630	766	6,371	243,053	0	9,877	12,006	-6,583	258,353
2026	127,555	10,140,907	12,578	91,843	1,228,796	74,742	18,204	26,754	680,422	767	6,432	244,801	0	9,728	12,331	-6,369	260,491
2027	128,935	10,260,676	12,566	92,478	1,238,774	74,653	18,294	26,791	682,841	768	6,495	246,970	0	9,851	12,396	-6,418	262,799
2028	130,684	10,378,158	12,592	93,398	1,248,668	74,798	18,399	26,764	687,453	768	6,560	249,809	0	9,683	12,324	-6,484	265,332
2019-2028																	
% AAGR	0.94%			0.71%			0.60%										0.76%

2019
LOAD AND RESOURCE PLAN
STATE OF FLORIDA
FRCC Form 5.0
HISTORY AND FORECAST OF SUMMER PEAK DEMAND (MW)
AS OF JANUARY 1, 2019

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
							[(2)+(3)+(4)+(5)+(6)+(7)+(8)]	
YEAR	SUMMER NET FIRM PEAK DEMAND	DEMAND REDUCTION			SELF-SERVED GENERATION	CUMULATIVE CONSERVATION		SUMMER TOTAL DEMAND
		INTERRUPTIBLE LOAD	RESIDENTIAL LOAD MANAGEMENT	COMM./IND. LOAD MANAGEMENT		RESIDENTIAL	COMM./IND.	
2017	49,327	0	54	19	463	2,564	1,624	54,051
2018	48,261	0	54	20	410	2,607	1,674	53,026
2019	47,567	507	1,312	1,132	627	2,665	1,706	55,516
2020	47,834	593	1,344	1,167	627	2,721	1,736	56,022
2021	48,329	592	1,376	1,185	622	2,774	1,765	56,643
2022	48,782	593	1,409	1,202	622	2,825	1,794	57,227
2023	49,248	592	1,440	1,221	622	2,875	1,823	57,821
2024	49,858	590	1,473	1,237	622	2,924	1,852	58,556
2025	50,427	590	1,504	1,254	622	2,976	1,879	59,252
2026	51,065	589	1,536	1,270	622	3,025	1,909	60,016
2027	51,762	589	1,566	1,285	622	3,076	1,936	60,836
2028	52,425	589	1,597	1,302	622	3,125	1,966	61,626
CAAGR (%):	1.09%							

2019
LOAD AND RESOURCE PLAN
STATE OF FLORIDA
FRCC Form 6.0
HISTORY AND FORECAST OF WINTER PEAK DEMAND (MW)
AS OF JANUARY 1, 2019

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
							[(2)+(3)+(4)+(5)+(6)+(7)+(8)]	
YEAR	WINTER NET FIRM PEAK DEMAND	DEMAND REDUCTION			SELF-SERVED GENERATION	CUMULATIVE CONSERVATION		WINTER TOTAL DEMAND
		INTERRUPTIBLE LOAD	RESIDENTIAL LOAD MANAGEMENT	COMM./IND. LOAD MANAGEMENT		RESIDENTIAL	COMM./IND.	
2017/18	46,127	0	68	17	464	2,831	894	50,401
2018/19	44,649	0	52	18	419	2,876	913.18	48,927
2019/20	43,820	485	1,532	870	627	2,925	940	51,199
2020/21	43,605	532	1,567	879	622	2,971	968	51,144
2021/22	44,941	530	1,600	889	622	3,014	994	52,590
2022/23	44,766	530	1,633	898	622	3,057	1,021	52,527
2023/24	45,541	528	1,666	908	622	3,098	1,047	53,410
2024/25	45,698	528	1,702	919	622	3,146	1,072	53,687
2025/26	46,324	527	1,734	929	622	3,190	1,100	54,426
2026/27	46,764	527	1,767	939	622	3,233	1,126	54,978
2027/28	47,152	527	1,801	949	622	3,275	1,153	55,479
2028/29	47,617	527	1,836	958	622	3,308	1,155	56,023
CAAGR (%):	0.93%							

**2019
LOAD AND RESOURCE PLAN
STATE OF FLORIDA**

FRCC Form 7.0

**HISTORY AND FORECAST OF ANNUAL NET ENERGY FOR LOAD (GWH)
AS OF JANUARY 1, 2019**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
							[(2)+(3)+(4)+(5)+(6)+(7)+(8)]	
YEAR	NET ENERGY FOR LOAD	ENERGY REDUCTION			SELF-SERVED GENERATION	CUMULATIVE CONSERVATION		TOTAL ENERGY FOR LOAD
		INTERRUPTIBLE LOAD	RESIDENTIAL LOAD MANAGEMENT	COMM./IND. LOAD MANAGEMENT		RESIDENTIAL	COMM./IND.	
2017	244,464	0	0	0	2,067	5,953	4,632	257,116
2018	249,266	0	0	0	2,059	6,022	4,776	262,123
2019	247,860	0	0	9	1,941	6,093	4,784	260,687
2020	250,070	0	0	9	1,942	6,186	4,847	263,054
2021	251,690	0	0	9	1,941	6,282	4,909	264,831
2022	253,082	0	0	9	1,941	6,378	4,970	266,380
2023	254,326	0	0	9	1,941	6,475	5,029	267,780
2024	256,698	0	0	10	1,942	6,570	5,090	270,310
2025	258,353	0	0	10	1,941	6,665	5,150	272,119
2026	260,491	0	0	10	1,941	6,755	5,210	274,407
2027	262,799	0	0	10	1,941	6,847	5,271	276,868
2028	265,332	0	0	10	1,942	6,936	5,330	279,550
CAAGR (%):	0.76%							

**2019
LOAD AND RESOURCE PLAN
STATE OF FLORIDA**

**SUMMARY OF INTERRUPTIBLE LOAD AND LOAD MANAGEMENT (MW)
2019 THROUGH 2028**

SUMMER

YEAR	FRCC TOTALS			STATE TOTALS			STATE TOTAL INT + LM
	INT	RES LM	COM LM	INT	RES LM	COM LM	
2019	507	1,312	1,132	507	1,312	1,132	2,951
2020	593	1,344	1,167	593	1,344	1,167	3,104
2021	592	1,376	1,185	592	1,376	1,185	3,153
2022	593	1,409	1,202	593	1,409	1,202	3,204
2023	592	1,440	1,221	592	1,440	1,221	3,253
2024	590	1,473	1,237	590	1,473	1,237	3,300
2025	590	1,504	1,254	590	1,504	1,254	3,348
2026	589	1,536	1,270	589	1,536	1,270	3,395
2027	589	1,566	1,285	589	1,566	1,285	3,440
2028	589	1,597	1,302	589	1,597	1,302	3,488

WINTER

YEAR	FRCC TOTALS			STATE TOTALS			STATE TOTAL INT + LM
	INT	RES LM	COM LM	INT	RES LM	COM LM	
2019/20	485	1,532	870	485	1,532	870	2,887
2020/21	532	1,567	879	532	1,567	879	2,978
2021/22	530	1,600	889	530	1,600	889	3,019
2022/23	530	1,633	898	530	1,633	898	3,061
2023/24	528	1,666	908	528	1,666	908	3,102
2024/25	528	1,702	919	528	1,702	919	3,149
2025/26	527	1,734	929	527	1,734	929	3,190
2026/27	527	1,767	939	527	1,767	939	3,233
2027/28	527	1,801	949	527	1,801	949	3,277
2028/29	527	1,836	958	527	1,836	958	3,321

**2019
LOAD AND RESOURCE PLAN
STATE OF FLORIDA
SUMMARY OF EXISTING CAPACITY
AS OF JANUARY 1, 2019**

UTILITY	NET CAPABILITY (MW)	
	SUMMER	WINTER
GULF POWER COMPANY	2,265	2,304
POWERSOUTH ENERGY COOPERATIVE	1,861	2,060
<u>TOTALS</u>		
FRCC REGION	48,753	51,919
STATE OF FLORIDA	52,879	56,283
FRCC FIRM NON-UTILITY PURCHASES	3,480	3,737
STATE FIRM NON-UTILITY PURCHASES	3,480	3,737
TOTAL FRCC REGION	52,233	55,656
TOTAL STATE OF FLORIDA	56,359	60,020

2019
LOAD AND RESOURCE PLAN
STATE OF FLORIDA
FRCC Form 1.0
EXISTING GENERATING FACILITIES AS OF JANUARY 1, 2019

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
PLANT NAME	UNIT NO.	LOCATION	UNIT TYPE	PRIMARY FUEL		ALTERNATE FUEL		ALT. FUEL STORAGE (DAYS BURN)	COMMERCIAL IN-SERVICE MO. / YEAR	EXPECTED RETIREMENT MO. / YEAR	GROSS CAPABILITY		NET CAPABILITY		STATUS
				FUEL TYPE	TRANSP. METHOD	FUEL TYPE	TRANSP. METHOD				SUMMER (MW)	WINTER (MW)	SUMMER (MW)	WINTER (MW)	
GULF POWER COMPANY															
CRIST	4	ESCAMBIA	ST	BIT	WA	NG	PL	0	7 / 1959	--- / ---	79	79	75	75	OP
CRIST	5	ESCAMBIA	ST	BIT	WA	NG	PL	0	6 / 1961	--- / ---	77	77	75	75	OP
CRIST	6	ESCAMBIA	ST	BIT	WA	NG	PL	0	5 / 1970	--- / ---	317	317	299	299	OP
CRIST	7	ESCAMBIA	ST	BIT	WA	NG	PL	0	8 / 1973	--- / ---	498	498	475	475	OP
DANIEL *	1	JACKSON, MS	ST	BIT	RR	RFO	TK	0	9 / 1977	--- / ---	255	255	251	251	OP
DANIEL *	2	JACKSON, MS	ST	BIT	RR	RFO	TK	0	6 / 1981	--- / ---	255	2559	251	251	OP
LANSING SMITH	3	BAY	CC	NG	PL	---	---	0	4 / 2002	--- / ---	588	616	577	605	OP
LANSING SMITH	A	BAY	GT	DFO	TK	---	---	0	5 / 1971	--- / ---	32	40	32	40	OP
PEA RIDGE	1	SANTA ROSA	GT	NG	PL	---	---	0	5 / 1998	4 / 2025	4	5	4	5	OP
PEA RIDGE	2	SANTA ROSA	GT	NG	PL	---	---	0	5 / 1998	4 / 2025	4	5	4	5	OP
PEA RIDGE	3	SANTA ROSA	GT	NG	PL	---	---	0	5 / 1998	4 / 2025	4	5	4	5	OP
PERDIDO	1	ESCAMBIA	IC	LFG	PL	---	---	0	10 / 2010	--- / ---	1.8	1.8	1.5	1.5	OP
PERDIDO	2	ESCAMBIA	IC	LFG	PL	---	---	0	10 / 2010	--- / ---	1.8	1.8	1.5	1.5	OP
SCHERER *	3	MONROE, GA	ST	BIT	RR	---	---	0	1 / 1987	--- / ---	225	225	215	215	OP
GPC TOTAL:												2,265	2,304		

*Jointly Owned Unit

**2019
LOAD AND RESOURCE PLAN
STATE OF FLORIDA
FRCC Form 1.0
EXISTING GENERATING FACILITIES AS OF JANUARY 1, 2019**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
PLANT NAME	UNIT NO.	LOCATION	UNIT TYPE	PRIMARY FUEL		ALTERNATE FUEL		ALT. FUEL STORAGE (DAYS BURN)	COMMERCIAL IN-SERVICE MO. / YEAR	EXPECTED RETIREMENT MO. / YEAR	GROSS CAPABILITY		NET CAPABILITY		STATUS
				FUEL TYPE	TRANSP. METHOD	FUEL TYPE	TRANSP. METHOD				SUMMER (MW)	WINTER (MW)	SUMMER (MW)	WINTER (MW)	
POWERSOUTH ENERGY COOPERATIVE															
CHARLES R. LOWMAN	1	WASHINGTON, AL	ST	BIT	WA	---	---	0	6 / 1969	--- / ---	52	52	52	52	OP
CHARLES R. LOWMAN	2	WASHINGTON, AL	ST	BIT	WA	---	---	0	6 / 1978	--- / ---	235	235	235	235	OP
CHARLES R. LOWMAN	3	WASHINGTON, AL	ST	BIT	WA	---	---	0	6 / 1980	--- / ---	238	238	238	238	OP
GANTT	3	COVINGTON, AL	HY	WAT	WA	---	---	0	1 / 1926	--- / ---	0.8	0.8	0.8	0.8	OP
GANTT	4	COVINGTON, AL	HY	WAT	WA	---	---	0	2 / 1945	--- / ---	1.8	1.8	1.8	1.8	OP
JAMES H. MILLER JR. *	1	JEFFERSON, AL	ST	BIT	WA	---	---	0	6 / 1978	--- / ---	57	57	57	57	OP
JAMES H. MILLER JR. *	2	JEFFERSON, AL	ST	BIT	WA	---	---	0	6 / 1985	--- / ---	57	57	57	57	OP
MCINTOSH	1	WASHINGTON, AL	CE	NG	PL	---	---	0	6 / 1991	--- / ---	110	110	110	110	OS
MCINTOSH	2	WASHINGTON, AL	GT	NG	PL	DFO	TK	0	6 / 1998	--- / ---	114	120	114	120	OP
MCINTOSH	3	WASHINGTON, AL	GT	NG	PL	DFO	TK	0	6 / 1998	--- / ---	114	120	114	120	OP
MCINTOSH	4	WASHINGTON, AL	CT	NG	PL	---	---	0	12 / 2010	--- / ---	173	222	173	222	OP
MCINTOSH	5	WASHINGTON, AL	CT	NG	PL	---	---	0	12 / 2010	--- / ---	173	222	173	222	OP
MCWILLIAMS	1	COVINGTON, AL	CA	WH	NA	---	---	0	12 / 1954	--- / ---	8	8	8	8	OP
MCWILLIAMS	2	COVINGTON, AL	CA	WH	NA	---	---	0	12 / 1954	--- / ---	8	8	8	8	OP
MCWILLIAMS	3	COVINGTON, AL	CA	WH	NA	---	---	0	8 / 1959	--- / ---	21	21	21	21	OP
MCWILLIAMS	4	COVINGTON, AL	GT	NG	PL	DFO	TK	0	12 / 1996	--- / ---	98	108	98	108	OP
MCWILLIAMS	VAN1	COVINGTON, AL	CT	NG	PL	---	---	0	1 / 2002	--- / ---	166	201	166	201	OP
MCWILLIAMS	VAN2	COVINGTON, AL	CT	NG	PL	---	---	0	1 / 2002	--- / ---	166	201	166	201	OP
MCWILLIAMS	VAN3	COVINGTON, AL	CA	WH	NA	---	---	0	1 / 2002	--- / ---	174	183	174	183	OP
POINT A	1	COVINGTON, AL	HY	WAT	WA	---	---	0	1 / 1945	--- / ---	1.4	1.4	1.4	1.4	OP
POINT A	2	COVINGTON, AL	HY	WAT	WA	---	---	0	1 / 1925	--- / ---	1.4	1.4	1.4	1.4	OP
POINT A	3	COVINGTON, AL	HY	WAT	WA	---	---	0	1 / 1949	--- / ---	1.6	1.6	1.6	1.6	OP
PEC TOTAL:												1,861	2,060		
FRCC TOTAL:												48,753	51,919		
STATE TOTAL:												52,879	56,283		

*Jointly Owned Unit

2019
LOAD AND RESOURCE PLAN
STATE OF FLORIDA
FRCC Form 1.1
PLANNED AND PROSPECTIVE GENERATING FACILITY ADDITIONS AND CHANGES
(JANUARY 1, 2019 THROUGH DECEMBER 31, 2028)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
UTILITY	PLANT NAME	UNIT NO.	LOCATION	UNIT TYPE	PRIMARY FUEL		ALTERNATE FUEL		ALT. FUEL STORAGE (DAYS BURN)	EFFECTIVE CHANGE DATE MO. / YEAR	GROSS CAPABILITY		NET CAPABILITY		CHANGE/STATUS
					TYPE	TRANS.	TYPE	TRANS.			SUMMER (MW)	WINTER (MW)	SUMMER (MW)	WINTER (MW)	
2019															
GPC	LANSING SMITH	3	BAY	CC	NG	PL	NA	NA	0	6 / 2019	17	16	17	16	A
2019 TOTAL:												17	16		
2020															
NO ENTRIES															
2021															
NO ENTRIES															
2022															
NO ENTRIES															
2023															
PEC	CHARLES R. LOWMAN	5	WASHINGTON AL	CC	NG	PL	---	---	0	3 / 2023	586	631	586	631	L
2023 TOTAL:												586	631		

2019
LOAD AND RESOURCE PLAN
STATE OF FLORIDA
FRCC Form 1.1
PLANNED AND PROSPECTIVE GENERATING FACILITY ADDITIONS AND CHANGES
(JANUARY 1, 2019 THROUGH DECEMBER 31, 2028)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
UTILITY	PLANT NAME	UNIT NO.	LOCATION	UNIT TYPE	PRIMARY FUEL		ALTERNATE FUEL		ALT. FUEL STORAGE (DAYS BURN)	EFFECTIVE CHANGE DATE MO. / YEAR	GROSS CAPABILITY		NET CAPABILITY		CHANGE/ STATUS
					TYPE	TRANS.	TYPE	TRANS.			SUMMER (MW)	WINTER (MW)	SUMMER (MW)	WINTER (MW)	
2024															
GPC	UNNAMED CC	N/A	ESCAMBIA	CC	NG	PL	DFO	TK	0	6 / 2024	608	611	595	598	P
2024 TOTAL:													595	598	
2025															
GPC	PEA RIDGE	1	SANTA ROSA	GT	NG	PL	NA	NA	0	4 / 2025	-4	-5	-4	-5	RT
GPC	PEA RIDGE	2	SANTA ROSA	GT	NG	PL	NA	NA	0	4 / 2025	-4	-5	-4	-5	RT
GPC	PEA RIDGE	3	SANTA ROSA	GT	NG	PL	NA	NA	0	4 / 2025	-4	-5	-4	-5	RT
2025 TOTAL:													-12	-15	
2026															
NO ENTRIES															
2027															
NO ENTRIES															
2028															
NO ENTRIES															
FRCC FUTURE TOTAL:													10,280	5,503	
STATE FUTURE TOTAL:													11,466	6,733	

2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL
FRCC Form 10

SUMMARY OF CAPACITY, DEMAND, AND RESERVE MARGIN
AT TIME OF SUMMER PEAK

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INSTALLED CAPACITY		FIRM INTERCHANGE		FIRM	TOTAL	TOTAL PEAK	RESERVE MARGIN		NET FIRM	RESERVE MARGIN	
	INSIDE STATE (MW)	OUTSIDE STATE (MW)	STATE IMPORTS (MW)	STATE EXPORTS (MW)	NON-UTILITY PURCHASES (MW)	AVAILABLE CAPACITY (MW)		W/O EXERCISING LOAD MANAGEMENT & INT.		PEAK DEMAND (MW)	WITH EXERCISING LOAD MANAGEMENT & INT.	
							(MW)	(MW)	% OF PEAK		(MW)	% OF PEAK
2019	52,439	3,520	1,598	50	3,510	61,016	50,518	10,498	21%	47,567	13,449	28%
2020	53,480	3,520	1,498	0	3,180	61,678	50,938	10,740	21%	47,834	13,844	29%
2021	53,895	3,520	1,224	0	3,180	61,819	51,482	10,337	20%	48,329	13,490	28%
2022	54,570	3,520	1,249	0	3,307	62,646	51,986	10,660	21%	48,782	13,864	28%
2023	55,691	3,520	1,274	0	3,307	63,792	52,501	11,291	22%	49,248	14,544	30%
2024	57,004	4,106	389	0	2,955	64,454	53,158	11,296	21%	49,858	14,596	29%
2025	57,473	4,106	389	0	2,802	64,770	53,775	10,995	20%	50,427	14,343	28%
2026	59,492	4,106	289	0	2,663	66,550	54,460	12,090	22%	51,065	15,485	30%
2027	59,941	4,106	289	0	2,008	66,343	55,202	11,141	20%	51,762	14,581	28%
2028	60,292	4,106	289	0	1,846	66,533	55,913	10,620	19%	52,425	14,108	27%

SUMMARY OF CAPACITY, DEMAND, AND RESERVE MARGIN
AT TIME OF WINTER PEAK

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INSTALLED CAPACITY		FIRM INTERCHANGE		FIRM	TOTAL	TOTAL PEAK	RESERVE MARGIN		NET FIRM	RESERVE MARGIN	
	INSIDE STATE (MW)	OUTSIDE STATE (MW)	STATE IMPORTS (MW)	STATE EXPORTS (MW)	NON-UTILITY PURCHASES (MW)	AVAILABLE CAPACITY (MW)		W/O EXERCISING LOAD MANAGEMENT & INT.		PEAK DEMAND (MW)	WITH EXERCISING LOAD MANAGEMENT & INT.	
							(MW)	(MW)	% OF PEAK		(MW)	% OF PEAK
2019 / 20	55,030	3,719	1,418	0	3,783	63,950	46,707	17,243	37%	43,820	20,130	46%
2020 / 21	55,159	3,719	1,443	0	3,438	63,759	46,583	17,176	37%	43,605	20,154	46%
2021 / 22	54,060	3,719	1,244	0	3,467	62,490	47,960	14,530	30%	44,941	17,549	39%
2022 / 23	55,954	3,719	1,294	0	3,467	64,434	47,827	16,607	35%	44,766	19,668	44%
2023 / 24	55,969	4,350	409	0	3,261	63,990	48,643	15,347	32%	45,541	18,449	41%
2024 / 25	56,922	4,350	409	0	2,938	64,619	48,847	15,772	32%	45,698	18,921	41%
2025 / 26	56,914	4,350	409	0	2,819	64,492	49,514	14,978	30%	46,324	18,168	39%
2026 / 27	58,750	4,350	309	0	2,784	66,193	49,997	16,196	32%	46,764	19,429	42%
2027 / 28	58,788	4,350	309	0	1,924	65,371	50,429	14,942	30%	47,152	18,219	39%
2028 / 29	58,788	4,350	309	0	1,924	65,371	50,938	14,433	28%	47,617	17,754	37%

NOTE - COLUMN 11: NET FIRM PEAK DEMAND = TOTAL PEAK DEMAND - INTERRUPTIBLE LOAD - LOAD MANAGEMENT.

**2019
LOAD AND RESOURCE PLAN
STATE OF FLORIDA**

**FRCC Form 3.0
EXISTING NON-UTILITY, QF, AND SELF SERVICE GENERATION FACILITIES
AS OF DECEMBER 31, 2018**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
UTILITY	FACILITY NAME	UNIT NO.	LOCATION	UNIT TYPE	FUEL TYPE		COMMERCIAL IN-SERVICE MO. / YEAR	GROSS CAPABILITY		NET CAPABILITY		POTENTIAL EXPORT TO GRID AT TIME OF PEAK				CONTRACT STATUS
								SUM (MW)	WIN (MW)	SUM (MW)	WIN (MW)	FIRM		UNCOMMITTED		
					PRI	ALT						SUM (MW)	WIN (MW)	SUM (MW)	WIN (MW)	
GULF POWER COMPANY																
	BAY COUNTY RESOURCE RECOV.	1	BAY	ST	MSW	---	2 / 1987	12.5	12.5	11.0	11.0	---	---	11.0	11.0	NC
	INTERNATIONAL PAPER COMPANY	1	ESCAMBIA	ST	WDS	NG	5 / 1983	28.1	28.1	21.4	21.4	---	---	---	---	NC
	INTERNATIONAL PAPER COMPANY	2	ESCAMBIA	ST	WDS	NG	5 / 1983	28.1	28.1	21.4	21.4	---	---	---	---	NC
	PENSACOLA CHRISTIAN COLLEGE	1	ESCAMBIA	ST	NG	---	4 / 1988	1.1	1.1	1.1	1.1	---	---	---	---	NC
	PENSACOLA CHRISTIAN COLLEGE	2	ESCAMBIA	ST	NG	---	4 / 1988	1.1	1.1	1.1	1.1	---	---	---	---	NC
	PENSACOLA CHRISTIAN COLLEGE	3	ESCAMBIA	ST	NG	---	4 / 1988	1.1	1.1	1.1	1.1	---	---	---	---	NC
	PENSACOLA CHRISTIAN COLLEGE	4	ESCAMBIA	IC	NG	---	6 / 2006	1.8	1.8	1.8	1.8	---	---	---	---	NC
	PENSACOLA CHRISTIAN COLLEGE	5	ESCAMBIA	IC	NG	---	6 / 2006	1.8	1.8	1.8	1.8	---	---	---	---	NC
	PENSACOLA CHRISTIAN COLLEGE	6	ESCAMBIA	IC	NG	---	6 / 2006	1.8	1.8	1.8	1.8	---	---	---	---	NC
	PENSACOLA CHRISTIAN COLLEGE	7	ESCAMBIA	IC	NG	---	6 / 2006	1.8	1.8	1.8	1.8	---	---	---	---	NC
	PENSACOLA CHRISTIAN COLLEGE	8	ESCAMBIA	IC	NG	---	6 / 2006	1.8	1.8	1.8	1.8	---	---	---	---	NC
	PENSACOLA CHRISTIAN COLLEGE	9	ESCAMBIA	IC	NG	---	6 / 2006	1.8	1.8	1.8	1.8	---	---	---	---	NC
	PENSACOLA CHRISTIAN COLLEGE	10	ESCAMBIA	IC	NG	---	6 / 2006	1.8	1.8	1.8	1.8	---	---	---	---	NC
	PENSACOLA CHRISTIAN COLLEGE	11	ESCAMBIA	IC	NG	---	6 / 2006	1.8	1.8	1.8	1.8	---	---	---	---	NC
	SOLUTIA	1	ESCAMBIA	ST	NG	DFO	1 / 1954	5.0	5.0	5.0	5.0	---	---	---	---	NC
	SOLUTIA	2	ESCAMBIA	ST	NG	DFO	1 / 1954	5.0	5.0	5.0	5.0	---	---	---	---	NC
	SOLUTIA	3	ESCAMBIA	ST	NG	DFO	1 / 1954	6.0	6.0	6.0	6.0	---	---	---	---	NC
	SOLUTIA	4	ESCAMBIA	ST	NG	---	5 / 2005	86.0	86.0	86.0	86.0	---	---	---	---	NC
	STONE CONTAINER	1	BAY	ST	DFO	NG	1 / 1960	4.0	4.0	4.0	4.0	---	---	---	---	NC
	STONE CONTAINER	2	BAY	ST	BIT	---	1 / 1960	5.0	5.0	5.0	5.0	---	---	---	---	NC
	STONE CONTAINER	3	BAY	ST	WDS	NG	1 / 1960	8.6	8.6	8.6	8.6	---	---	---	---	NC
	STONE CONTAINER	4	BAY	ST	WDS	NG	1 / 1960	17.1	17.1	17.1	17.1	---	---	---	---	NC
GPC TOTAL:												0.0	0.0	11.0	11.0	
FRCC NON-UTILITY TOTAL:												1,128	1,193	131	145	
STATE NON-UTILITY TOTAL:												1,128	1,193	142	156	

2019
LOAD AND RESOURCE PLAN
STATE OF FLORIDA

FRCC Form 3.1
PLANNED AND PROSPECTIVE NON-UTILITY, QF, AND SELF SERVICE GENERATION FACILITIES
INSTALLATIONS, CHANGES, AND REMOVALS
JANUARY 1, 2019 THROUGH DECEMBER 31, 2028

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
UTIL	FACILITY NAME	UNIT NO.	LOCATION	POTENTIAL EXPORT TO GRID AT TIME OF PEAK				GROSS CAPABILITY		NET CAPABILITY		UNIT TYPE	FUEL TYPE		COMMERCIAL IN-SERVICE/ RETIREMENT/ OR CHANGE IN CONTRACT MO. / YEAR	CONTRACT STATUS
				FIRM		UNCOMMITTED										
				SUM	WIN	SUM	WIN	SUM	WIN	SUM	WIN		PRI	ALT		
				(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)					
<u>2019</u>	NO ENTRIES															
<u>2020</u>	NO ENTRIES															
<u>2021</u>	NO ENTRIES															
<u>2022</u>	NO ENTRIES															
<u>2023</u>	NO ENTRIES															
<u>2024</u>	NO ENTRIES															
<u>2025</u>	NO ENTRIES															
<u>2026</u>	NO ENTRIES															
<u>2027</u>	NO ENTRIES															
<u>2028</u>	NO ENTRIES															

**2019
LOAD AND RESOURCE PLAN
STATE OF FLORIDA**

NON-UTILITY GENERATING FACILITIES SUMMARY

SUMMER			WINTER		
YEAR	FIRM NET TO GRID (MW)	UNCOMMITTED NUG GENERATION (MW)	YEAR	FIRM NET TO GRID (MW)	UNCOMMITTED NUG GENERATION (MW)
2019	1,127.3	141.8	2019/20	1,192.6	170.6
2020	782.7	141.8	2020/21	848.0	170.6
2021	782.7	141.8	2021/22	1,423.0	170.6
2022	1,368.7	141.8	2022/23	1,423.0	170.6
2023	1,368.7	141.8	2023/24	1,304.3	151.8
2024	1,578.0	132.8	2024/25	1,503.3	151.8
2025	1,425.0	132.8	2025/26	1,399.3	151.8
2026	1,301.0	132.8	2026/27	1,364.3	145.8
2027	1,286.0	126.8	2027/28	1,364.3	145.8
2028	1,286.0	126.8	2028/29	1,364.3	145.8

**2019
LOAD AND RESOURCE PLAN
STATE OF FLORIDA**

**FRCC Form 9.0
FUEL REQUIREMENTS
AS OF JANUARY 1, 2019**

(1)	(2)	(3)	(4)	(5) <u>ACTUAL</u>	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
FUEL REQUIREMENTS			UNITS	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
(1)	NUCLEAR		TRILLION BTU	318	315	315	315	321	317	316	321	317	315	328
(2)	COAL		1000 TON	18,195	15,437	14,008	13,808	13,145	11,424	11,594	11,464	11,313	11,715	12,347
RESIDUAL														
(3)	STEAM		1000 BBL	484	75	1	8	0	0	0	0	0	0	0
(4)	CC		1000 BBL	0	0	0	0	0	0	0	0	0	0	0
(5)	CT		1000 BBL	0	0	0	0	0	0	0	0	0	0	0
(6)	TOTAL:		1000 BBL	484	75	1	8	0	0	0	0	0	0	0
DISTILLATE														
(7)	STEAM		1000 BBL	129	64	72	73	68	53	52	50	47	54	53
(8)	CC		1000 BBL	97	0	0	0	1	5	3	3	2	3	3
(9)	CT		1000 BBL	264	88	89	48	29	34	102	193	117	185	173
(10)	TOTAL:		1000 BBL	490	152	161	121	98	92	157	246	166	242	229
NATURAL GAS														
(11)	STEAM		1000 MCF	115,126	61,417	47,216	39,627	30,452	25,764	27,599	26,682	27,359	30,537	29,279
(12)	CC		1000 MCF	1,118,675	1,128,005	1,165,401	1,155,481	1,124,021	1,126,939	1,120,942	1,137,369	1,147,584	1,141,803	1,113,092
(13)	CT		1000 MCF	28,579	19,943	14,849	18,487	15,753	12,551	13,631	12,378	12,437	19,288	21,525
(14)	TOTAL:		1000 MCF	1,262,380	1,209,365	1,227,466	1,213,595	1,170,226	1,165,254	1,162,172	1,176,429	1,187,380	1,191,628	1,163,896
(15)	OTHER													
	PET COKE		1000 TON	197	0	0	0	0	0	0	0	0	0	161
	LFG & BIOFUELS		1000 MMBTU	1169	828	940	716	601	719	655	645	688	677	696

**2019
LOAD AND RESOURCE PLAN
STATE OF FLORIDA**

**FRCC Form 9.1
ENERGY SOURCES (GWH)
AS OF JANUARY 1, 2019**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
ENERGY SOURCES			UNITS	ACTUAL 2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
(1)	FIRM INTER-REGION INTERCHANGE		GWH	2,710	-2,571	-3,829	-2,985	-718	1,855	1,181	-719	-374	-1,004	-757
(2)	NUCLEAR		GWH	29,153	29,660	29,639	29,586	30,225	29,774	29,655	30,207	29,787	29,522	30,865
(3)	COAL		GWH	37,798	33,778	30,419	30,362	29,177	25,052	25,374	25,162	24,819	25,546	26,804
	RESIDUAL													
(4)	STEAM		GWH	272	49	1	5	0	0	0	0	0	0	0
(5)	CC		GWH	0	0	0	0	0	0	0	0	0	0	0
(6)	CT		GWH	0	0	0	0	0	0	0	0	0	0	0
(7)	TOTAL:		GWH	272	49	1	5	0	0	0	0	0	0	0
	DISTILLATE													
(8)	STEAM		GWH	55	23	23	21	18	10	10	11	11	11	11
(9)	CC		GWH	78	0	0	0	1	4	3	2	1	2	2
(10)	CT		GWH	122	46	37	21	13	15	40	80	47	76	73
(11)	TOTAL:		GWH	255	69	60	42	32	29	53	93	59	89	86
	NATURAL GAS													
(12)	STEAM		GWH	10,049	5,464	4,181	3,544	2,773	2,283	2,426	2,378	2,411	2,715	2,630
(13)	CC		GWH	156,957	164,568	171,285	169,744	165,553	167,904	169,458	169,513	171,592	171,011	166,592
(14)	CT		GWH	2,432	1,801	1,396	1,783	1,506	1,181	1,268	1,145	1,154	1,805	1,993
(15)	TOTAL:		GWH	169,438	171,833	176,862	175,071	169,832	171,368	173,152	173,036	175,157	175,531	171,215
(16)	NUG		GWH	148	148	149	150	151	151	152	153	154	154	155
	RENEWABLES													
(17)	BIOFUELS		GWH	26	22	22	22	22	22	22	22	22	22	22
(18)	BIOMASS		GWH	986	425	501	313	224	314	260	250	295	280	316
(19)	HYDRO		GWH	24	8	5	5	5	5	5	5	5	5	5
(20)	LANDFILL GAS		GWH	318	391	402	404	413	426	392	419	432	311	309
(21)	MSW		GWH	891	815	817	815	815	780	757	755	755	755	757
(22)	SOLAR		GWH	2,418	4,457	7,546	10,309	13,571	16,018	18,455	21,480	22,090	24,445	27,561
(23)	WIND		GWH	1,031	1,031	1,033	1,031	1,031	1,031	1,033	1,031	1,031	1,031	1,033
(24)	OTHER RENEW.		GWH	0	0	0	0	0	0	0	0	0	0	0
(25)	TOTAL		GWH	5,694	7,149	10,326	12,899	16,081	18,596	20,924	23,962	24,630	26,849	30,003
(26)	OTHER			5,624	9,666	8,372	8,482	10,222	9,423	7,021	6,955	6,261	6,114	6,963
(27)	NET ENERGY FOR LOAD			249,266	247,860	250,070	251,690	253,082	254,326	256,698	258,353	260,491	262,799	265,332

**2019
LOAD AND RESOURCE PLAN
STATE OF FLORIDA**

**FRCC Form 9.2
ENERGY SOURCES (%)
AS OF JANUARY 1, 2019**

(1)	(2)	(3)	(4)	(5) ACTUAL	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
	ENERGY SOURCES		UNITS	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
(1)	FIRM INTER-REGION INTERCHANGE		%	1.09%	-1.04%	-1.53%	-1.19%	-0.28%	0.73%	0.46%	-0.28%	-0.14%	-0.38%	-0.29%
(2)	NUCLEAR		%	11.70%	11.97%	11.85%	11.75%	11.94%	11.71%	11.55%	11.69%	11.43%	11.23%	11.63%
(3)	COAL		%	15.16%	13.63%	12.16%	12.06%	11.53%	9.85%	9.88%	9.74%	9.53%	9.72%	10.10%
	RESIDUAL													
(4)	STEAM		%	0.11%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
(5)	CC		%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
(6)	CT		%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
(7)	TOTAL:		%	0.11%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	DISTILLATE													
(8)	STEAM		%	0.02%	0.01%	0.01%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
(9)	CC		%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
(10)	CT		%	0.05%	0.02%	0.01%	0.01%	0.01%	0.01%	0.02%	0.03%	0.02%	0.03%	0.03%
(11)	TOTAL:		%	0.10%	0.03%	0.02%	0.02%	0.01%	0.01%	0.02%	0.04%	0.02%	0.03%	0.03%
	NATURAL GAS													
(12)	STEAM		%	4.03%	2.20%	1.67%	1.41%	1.10%	0.90%	0.95%	0.92%	0.93%	1.03%	0.99%
(13)	CC		%	62.97%	66.40%	68.49%	67.44%	65.41%	66.02%	66.01%	65.61%	65.87%	65.07%	62.79%
(14)	CT		%	0.98%	0.73%	0.56%	0.71%	0.60%	0.46%	0.49%	0.44%	0.44%	0.69%	0.75%
(15)	TOTAL:		%	67.97%	69.33%	70.72%	69.56%	67.11%	67.38%	67.45%	66.98%	67.24%	66.79%	64.53%
(16)	NUG		%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%
	RENEWABLES													
(17)	BIOFUELS		%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%
(18)	BIOMASS		%	0.40%	0.17%	0.20%	0.12%	0.09%	0.12%	0.10%	0.10%	0.11%	0.11%	0.12%
(19)	HYDRO		%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
(20)	LANDFILL GAS		%	0.13%	0.16%	0.16%	0.16%	0.16%	0.17%	0.15%	0.16%	0.17%	0.12%	0.12%
(21)	MSW		%	0.36%	0.33%	0.33%	0.32%	0.32%	0.31%	0.29%	0.29%	0.29%	0.29%	0.29%
(22)	SOLAR		%	0.97%	1.80%	3.02%	4.10%	5.36%	6.30%	7.19%	8.31%	8.48%	9.30%	10.39%
(23)	WIND		%	0.41%	0.42%	0.41%	0.41%	0.41%	0.41%	0.40%	0.40%	0.40%	0.39%	0.39%
(24)	OTHER RENEW.		%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
(25)	TOTAL:		%	2.28%	2.88%	4.13%	5.12%	6.35%	7.31%	8.15%	9.27%	9.46%	10.22%	11.31%
(26)	OTHER		%	2.26%	3.90%	3.35%	3.37%	4.04%	3.71%	2.74%	2.69%	2.40%	2.33%	2.62%
(27)	NET ENERGY FOR LOAD		%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

2019
LOAD AND RESOURCE PLAN
STATE OF FLORIDA
FRCC Form 12
SUMMARY OF FIRM CAPACITY AND ENERGY CONTRACTS
AS OF JANUARY 1, 2019

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
PURCHASING ENTITY	SELLING ENTITY	CONTRACT TERM		CONTRACT CAPACITY		PRIMARY FUEL	DESCRIPTION
		FROM (MM/DD/YY)	TO (MM/DD/YY)	SUMMER (MW)	WINTER (MW)		
FLINT	GPC	06/01/10	12/31/19	50	50	BIT	GPC Scherer 3 allocation of Southern Unit Power Sale
GPC	MSCG	01/01/17	12/31/35	89	109	WND	Purchase from Morgan Stanley Capital Group MSCG
GPC	SENA	06/01/14	05/24/23	885	885	NG	PPA with power marketer (Shell Energy)

**2019
LOAD AND RESOURCE PLAN
STATE OF FLORIDA**

**FRCC Form 13
SUMMARY AND SPECIFICATIONS OF PROPOSED TRANSMISSION LINES
AS OF JANUARY 1, 2019**

(1)	(2)		(3)	(4)	(5)	(6)	(7)
LINE OWNERSHIP	TERMINALS		LINE LENGTH CKT. MILES	COMMERCIAL IN-SERVICE (MO./YR)	NOMINAL VOLTAGE (kV)	CAPACITY (MVA)	SITED UNDER *
PEC	GASKIN	BAYOU GEORGE	0	6 / 2021	115	217	NA
PEC	SOUTHPORT	BAYOU GEORGE	8	6 / 2021	115	217	NA

* TLSA: Transmission Line Siting Act

* PPSA: Power Plant Siting Act

** Line Upgrade / Voltage Change

**2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL
EXISTING MERCHANT GENERATION FACILITIES
IN FLORIDA
AS OF DECEMBER 31, 2018**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
FACILITY NAME	UNIT NO.	LOCATION (COUNTY)	UNIT TYPE	FUEL TYPE		COMMERCIAL IN-SERVICE MO. / YEAR	RETIREMENT MO. / YEAR	GROSS CAPABILITY		NET CAPABILITY		POTENTIAL EXPORT TO GRID AT TIME OF PEAK				OWNERSHIP	UNIT STATUS	CONTRACT STATUS	
								SUM (MW)	WIN (MW)	SUM (MW)	WIN (MW)	FIRM		UNCOMMITTED					
				PRI	ALT							SUM (MW)	WIN (MW)	SUM (MW)	WIN (MW)				SUM (MW)
<u>CALPINE EASTERN (CAL)</u>																			
AUBURNDALE PEAKER ENERGY CTR	CTP	POLK	GT	NG	DFO	5 / 2002	--- / ----	130.1	(1)	---	117.0	126.0	---	---	117.0	117.0	MER	OP	NC
<u>GENERAL ELECTRIC (GE)</u>																			
SHADY HILLS POWER CO.	1 GT	PASCO	GT	NG	DFO	2 / 2002	--- / ----	180.2	(1)	---	156.0	172.0	156.0	172.0	---	---	MER	OP	C (2)
SHADY HILLS POWER CO.	2 GT	PASCO	GT	NG	DFO	2 / 2002	--- / ----	180.2	(1)	---	156.0	172.0	156.0	172.0	---	---	MER	OP	C (2)
SHADY HILLS POWER CO.	3 GT	PASCO	GT	NG	DFO	2 / 2002	--- / ----	180.2	(1)	---	156.0	172.0	156.0	172.0	---	---	MER	OP	C (2)
<u>SANTA ROSA ENERGY CENTER, LLC (SREC)</u>																			
SANTA ROSA ENERGY CENTER	CT01	SANTA ROSA	CT	NG	---	6 / 2003	--- / ----	165.7	(1)	177.7	161.4	173.4	---	---	161.0	173.0	MER	OP	NC
SANTA ROSA ENERGY CENTER	ST01	SANTA ROSA	CA	WH	---	6 / 2003	--- / ----	74.5	(1)	74.5	74.5	74.5	---	---	75.0	75.0	MER	OP	NC
<u>NORTHERN STAR GENERATING SERVICES (NSG)</u>																			
VANDOLAH POWER CO.	1	HARDEE	GT	NG	DFO	6 / 2002	6 / 2042	162.7		172.6	160.7	170.6	160.7	170.6	---	---	MER	OP	C
VANDOLAH POWER CO.	2	HARDEE	GT	NG	DFO	6 / 2002	6 / 2042	162.7		172.6	160.7	170.6	160.7	170.6	---	---	MER	OP	C
VANDOLAH POWER CO.	3	HARDEE	GT	NG	DFO	6 / 2002	6 / 2042	162.7		172.6	160.7	170.6	160.7	170.6	---	---	MER	OP	C
VANDOLAH POWER CO.	4	HARDEE	GT	NG	DFO	6 / 2002	6 / 2042	162.7		172.6	160.7	170.6	160.7	170.6	---	---	MER	OP	C
<u>NRG ENERGY, INC (NRG)</u>																			
OSCEOLA	1	OSCEOLA	GT	NG	DFO	12 / 2001	--- / ----	155.0		167.0	150.0	163.0	---	---	150.0	163.0	IPP/MER	IPP	NC (3)
OSCEOLA	2	OSCEOLA	GT	NG	DFO	12 / 2001	--- / ----	155.0		167.0	150.0	163.0	---	---	150.0	163.0	IPP/MER	IPP	NC (3)
OSCEOLA	3	OSCEOLA	GT	NG	DFO	3 / 2002	--- / ----	155.0		167.0	150.0	163.0	---	---	150.0	163.0	IPP/MER	IPP	NC (3)
<u>SOUTHERN POWER COMPANY (SOU)</u>																			
OLEANDER POWER PROJECT	1	BREVARD	GT	NG	DFO	6 / 2005	--- / ----	156.5		168	155.5	167.0	0.0	0.0	155.5	167.0	MER	OP	NC
OLEANDER POWER PROJECT	2	BREVARD	GT	NG	DFO	6 / 2005	--- / ----	157.1		168.6	156.10	167.6	156.1	167.6	0.0	0.0	MER	OP	C
OLEANDER POWER PROJECT	3	BREVARD	GT	NG	DFO	6 / 2005	--- / ----	157.7		169.2	156.7	168.2	156.7	168.2	0.0	0.0	MER	OP	C
OLEANDER POWER PROJECT	4	BREVARD	GT	NG	DFO	6 / 2005	--- / ----	157.2		168.6	156.2	167.6	156.2	167.6	0.0	0.0	MER	OP	C
OLEANDER POWER PROJECT	5	BREVARD	GT	NG	DFO	12 / 2007	--- / ----	160.4		173.2	159.4	172.2	159.4	172.2	0.0	0.0	MER	OP	C
STANTON ENERGY CENTER	A	ORANGE	CT	NG	DFO	10 / 2003	--- / ----	425.5		447.9	416.5	438.9	416.5	438.9	0.0	0.0	MER	OP	C (4)
TOTALS:											3,114	3,343	2,156	2,313	959	1,021			

(1) This is the generator nameplate rating.
(2) All capacities based on Duke Toll contract ambient conditions.
(3) Currently in mothballed status, but no mothball status code exists, the closest status is "SB": Cold Standby, deactivated, in long-term storage and cannot be made available for service in a short period of time.

**2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL**

**PLANNED AND PROSPECTIVE MERCHANT GENERATION FACILITIES
IN FLORIDA
JANUARY 1, 2019 THROUGH DECEMBER 31, 2028**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
UTIL	FACILITY NAME	UNIT NO.	LOCATION (COUNTY)	UNIT TYPE	FUEL TYPE		EFFECTIVE CHANGE DATE MO. / YEAR	GROSS CAPABILITY		NET CAPABILITY		POTENTIAL EXPORT TO GRID AT TIME OF PEAK				OWNERSHIP	UNIT STATUS	CONTRACT STATUS
								SUM (MW)	WIN (MW)	SUM (MW)	WIN (MW)	FIRM		UNCOMMITTED				
					PRI	ALT						SUM (MW)	WIN (MW)	SUM (MW)	WIN (MW)			

CALPINE EASTERN (CAL)

No Activity Reported

GENERAL ELECTRIC (GE)

SHADY HILLS POWER CO.	4CC	PASCO	CC	NG	DFO	6 / 2021	---	---	500.0	520.0	---	---	500.0	520.0	MER	NS	NC
-----------------------	-----	-------	----	----	-----	----------	-----	-----	-------	-------	-----	-----	-------	-------	-----	----	----

SANTA ROSA ENERGY CENTER, LLC (SREC)

No Activity Reported

NORTHERN STAR GENERATING SERVICES (NSG)

No Activity Reported

NRG ENERGY, INC (NRG)

No Activity Reported

SOUTHERN POWER COMPANY (SOU)

No Activity Reported

2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL

PLANNED AND PROSPECTIVE MERCHANT GENERATION FACILITIES
IN FLORIDA
JANUARY 1, 2019 THROUGH DECEMBER 31, 2028
ORDERED BY IN-SERVICE DATE

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
UTIL	FACILITY NAME	UNIT NO.	LOCATION	UNIT TYPE	FUEL TYPE		EFFECTIVE CHANGE DATE	GROSS CAPABILITY		NET CAPABILITY		POTENTIAL EXPORT TO GRID AT TIME OF PEAK				OWNERSHIP	UNIT STATUS	CONTRACT STATUS
								SUM (MW)	WIN (MW)	SUM (MW)	WIN (MW)	FIRM		UNCOMMITTED				
					PRI	ALT						MO.	/	YEAR	SUM (MW)			
<u>2019</u>																		
	No Activity Reported																	
<u>2020</u>																		
	No Activity Reported																	
<u>2021</u>																		
GE	SHADY HILLS POWER CO.	4CC	PASCO	CC	NG	DFO	6 / 2021	---	---	500.0	520.0	---	---	500.0	520.0	MER	NS	NC
<u>2022</u>																		
	No Activity Reported																	
<u>2023</u>																		
	No Activity Reported																	
<u>2024</u>																		
	No Activity Reported																	
<u>2025</u>																		
	No Activity Reported																	
<u>2026</u>																		
	No Activity Reported																	
<u>2027</u>																		
	No Activity Reported																	
<u>2028</u>																		
	No Activity Reported																	
2019 - 2028 TOTALS:										500.0	520.0	0.0	0.0	500.0	520.0			

**2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL
SUMMARY OF MERCHANT FIRM CAPACITY AND ENERGY CONTRACTS
As of January 1, 2019**

(1)	(2)	(3)	(4)	(5)	(6)	(7)
PURCHASING ENTITY	SELLING ENTITY	CONTRACT TERM		NET CAPABILITY		DESCRIPTION
		FROM (MM/DD/YY)	TO (MM/DD/YY)	SUMMER (MW)	WINTER (MW)	
DEF	GE	04/01/07	04/30/24	480	522	Toll to DEF for 100% of output (Capability based on contract ambient conditions)
DEF	VANDOLAH	06/01/12	05/31/27	640	680	Contract does not call for Vandolah to provide a specific MW output, but instead calls for the performance of an annual capacity test to determine the MW output for that year. Data provided is based on the contract results for June 2017 (Summer) and Dec 2017 (Winter).
FMPA	SOU	10/01/03	09/30/23	81	87	SOU Ownership contracted to FMPA (Stanton A)
FMPA	SOU	12/16/07	12/16/27	162	180	Oleander Unit 5
OUC	SOU	01/01/18	09/30/23	342	350	SOU Ownership contracted to OUC (Stanton A)
SEC	SOU	12/01/02	12/31/21	153	182	Oleander Unit 2
SEC	SOU	12/01/02	12/31/21	153	182	Oleander Unit 3
SEC	SOU	12/01/02	12/31/21	153	182	Oleander Unit 4

2019
LOAD AND RESOURCE PLAN
FLORIDA RELIABILITY COORDINATING COUNCIL
SUMMARY OF MERCHANT GENERATING FACILITIES
IN THE FRCC REGION

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
SUMMER				WINTER			
YEAR	FIRM NET TO GRID (MW)	UNCOMMITTED (MW)	NET CAPABILITY (MW)	YEAR	FIRM NET TO GRID (MW)	UNCOMMITTED (MW)	NET CAPABILITY (MW)
2019	2,155.7	958.5	3,114.2	2019/20	2,312.9	1,021.0	3,333.9
2020	2,155.7	958.5	3,114.2	2020/21	2,312.9	1,021.0	3,333.9
2021	2,155.7	958.5	3,114.2	2021/22	2,312.9	1,021.0	3,333.9
2022	2,155.7	958.5	3,114.2	2022/23	2,312.9	1,021.0	3,333.9
2023	1,689.7	1,924.5	3,614.2	2023/24	1,814.6	2,039.3	3,853.9
2024	1,689.7	1,924.5	3,614.2	2024/25	1,642.6	2,211.3	3,853.9
2025	1,529.7	2,084.5	3,614.2	2025/26	1,217.6	2,636.3	3,853.9
2026	655.7	2,958.5	3,614.2	2026/27	701.6	3,152.3	3,853.9
2027	655.7	2,958.5	3,614.2	2027/28	701.6	3,152.3	3,853.9
2028	655.7	2,958.5	3,614.2	2028/29	701.6	3,152.3	3,853.9

NOTES: Only columns (4) and (8) are cumulative on a seasonal basis.
Columns (2), (3), (6), and (7) represent the seasonal capabilities available as they have been modified by contract terms.