



Matthew R. Bernier
ASSOCIATE GENERAL COUNSEL

April 1, 2020

VIA ELECTRONIC FILING

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

Re: *2020 TYSP Data Request #1; Undocketed*

Dear Mr. Teitzman:

Please find enclosed for electronic filing on behalf of Duke Energy Florida, LLC, its response to questions 1 and 2 of the 2020 TYSP Data Request #1 issued on March 6, 2020. The requested Microsoft Excel documents will be provided via electronic mail.

Thank you for your assistance in this matter. Please feel free to call me at (850) 521-1428 should you have any questions concerning this matter.

Respectfully,

s/ Matthew R. Bernier

Matthew R. Bernier

MRB/mw
Enclosures

cc: Doug Wright and Donald Phillips, Division of Engineering, FPSC

**Duke Energy Florida, LLC's
Response to Staff's Data Request #1 (Nos. 1-2)
re. Review of 2020 Ten-Year Site Plans for Florida's Electric Utilities**

General Items

1. Please provide an electronic copy of the Company's Ten-Year Site Plan (TYSP) for the period 2020-2029 (current planning period) in PDF format.

Response: Completed with filing of the DEF 2020 TYSP.

2. Please provide an electronic copy of all schedules and tables in the Company's current planning period TYSP in Microsoft Excel format.

Response: Please see Excel file *DEF Response to 2020 TYSP SDR1 Q2.xlsx*.

DUKE ENERGY FLORIDA

SCHEDULE 1
EXISTING GENERATING FACILITIES

AS OF DECEMBER 31, 2019

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
PLANT NAME	UNIT NO.	LOCATION (COUNTY)	UNIT TYPE	FUEL PRI.	FUEL ALT.	FUEL TRANSPORT PRI.	FUEL TRANSPORT ALT.	ALT. FUEL DAYS USE	COM'L IN-SERVICE MO./YEAR	EXPECTED RETIREMENT MO./YEAR	GEN. MAX. NAMEPLATE KW	NET CAPABILITY SUMMER MW	NET CAPABILITY WINTER MW
STEAM													
ANCLOTE	1	PASCO	ST	NG		PL			10/74		556,200	498	511
ANCLOTE	2	PASCO	ST	NG		PL			10/78		556,200	505	514
CRYSTAL RIVER	4	CITRUS	ST	BIT		WA	RR		12/82		739,260	712	721
CRYSTAL RIVER	5	CITRUS	ST	BIT		WA	RR		10/84		739,260	710	721
											Steam Total	2,425	2,467
COMBINED-CYCLE													
P L BARTOW	4	PINELLAS	CC	NG	DFO	PL	TK	*	6/09		1,254,200	1,144	1,227
CITRUS COUNTY COMBINED CYCLE	PB1	CITRUS	CC	NG		PL			10/18		985,150	816	931
CITRUS COUNTY COMBINED CYCLE	PB2	CITRUS	CC	NG		PL			11/18		985,150	816	931
HINES ENERGY COMPLEX	1	POLK	CC	NG		PL			4/99		546,500	490	528
HINES ENERGY COMPLEX	2	POLK	CC	NG	DFO	PL	TK	*	12/03		548,250	524	563
HINES ENERGY COMPLEX	3	POLK	CC	NG	DFO	PL	TK	*	11/05		561,000	515	553
HINES ENERGY COMPLEX	4	POLK	CC	NG	DFO	PL	TK	*	12/07		610,500	516	544
OSPREY ENERGY CENTER POWER PLANT	1	POLK	CC	NG		PL			5/04		644,300	245	245
TIGER BAY	1	POLK	CC	NG		PL			8/97		278,100	200	231
											CC Total	5,266	5,753
COMBUSTION TURBINE													
AVON PARK	P1	HIGHLANDS	GT	NG	DFO	PL	TK	*	12/68	10/2020 **	33,750	24	25
AVON PARK	P2	HIGHLANDS	GT	DFO		TK		*	12/68	10/2020 **	33,750	24	25
BARTOW	P1	PINELLAS	GT	DFO		WA		*	5/72	6/2027 **	55,400	41	52
BARTOW	P2	PINELLAS	GT	NG	DFO	PL	WA	*	6/72		55,400	41	57
BARTOW	P3	PINELLAS	GT	DFO		WA		*	6/72	6/2027 **	55,400	41	53
BARTOW	P4	PINELLAS	GT	NG	DFO	PL	WA	*	6/72		55,400	45	61
BAYBORO	P1	PINELLAS	GT	DFO		WA		*	4/73	12/2025 **	56,700	44	61
BAYBORO	P2	PINELLAS	GT	DFO		WA		*	4/73	12/2025 **	56,700	41	58
BAYBORO	P3	PINELLAS	GT	DFO		WA		*	4/73	12/2025 **	56,700	43	60
BAYBORO	P4	PINELLAS	GT	DFO		WA		*	4/73	12/2025 **	56,700	43	59
DEBARY	P2	VOLUSIA	GT	DFO		TK		*	12/75-4/76	6/2027 **	73,440	48	64
DEBARY	P3	VOLUSIA	GT	DFO		TK		*	12/75-4/76	6/2027 **	73,440	50	65
DEBARY	P4	VOLUSIA	GT	DFO		TK		*	12/75-4/76	6/2027 **	73,440	50	65
DEBARY	P5	VOLUSIA	GT	DFO		TK		*	12/75-4/76	6/2027 **	73,440	50	65
DEBARY	P6	VOLUSIA	GT	DFO		TK		*	12/75-4/76	6/2027 **	73,440	51	65
DEBARY	P7	VOLUSIA	GT	NG	DFO	PL	TK	*	10/92		103,500	79	99
DEBARY	P8	VOLUSIA	GT	NG	DFO	PL	TK	*	10/92		103,500	78	96
DEBARY	P9	VOLUSIA	GT	NG	DFO	PL	TK	*	10/92		103,500	80	98
DEBARY	P10	VOLUSIA	GT	DFO		TK		*	10/92		103,500	75	95
INTERCESSION CITY	P1	OSCEOLA	GT	DFO		PL,TK		*	5/74		56,700	47	64
INTERCESSION CITY	P2	OSCEOLA	GT	DFO		PL,TK		*	5/74		56,700	46	63
INTERCESSION CITY	P3	OSCEOLA	GT	DFO		PL,TK		*	5/74		56,700	46	63
INTERCESSION CITY	P4	OSCEOLA	GT	DFO		PL,TK		*	5/74		56,700	46	63
INTERCESSION CITY	P5	OSCEOLA	GT	DFO		PL,TK		*	5/74		56,700	45	62
INTERCESSION CITY	P6	OSCEOLA	GT	DFO		PL,TK		*	5/74		56,700	47	64
INTERCESSION CITY	P7	OSCEOLA	GT	NG	DFO	PL	PL,TK	*	10/93		103,500	78	95
INTERCESSION CITY	P8	OSCEOLA	GT	NG	DFO	PL	PL,TK	*	10/93		103,500	79	96
INTERCESSION CITY	P9	OSCEOLA	GT	NG	DFO	PL	PL,TK	*	10/93		103,500	79	96
INTERCESSION CITY	P10	OSCEOLA	GT	NG	DFO	PL	PL,TK	*	10/93		103,500	78	96
INTERCESSION CITY	P11	OSCEOLA	GT	DFO		PL,TK		*	1/97		148,500	140	161
INTERCESSION CITY	P12	OSCEOLA	GT	NG	DFO	PL	PL,TK	*	12/00		98,260	73	94
INTERCESSION CITY	P13	OSCEOLA	GT	NG	DFO	PL	PL,TK	*	12/00		98,260	75	93
INTERCESSION CITY	P14	OSCEOLA	GT	NG	DFO	PL	PL,TK	*	12/00		98,260	72	92
SUWANNEE RIVER	P1	SUWANNEE	GT	NG	DFO	PL	TK	*	10/80		65,999	49	68
SUWANNEE RIVER	P2	SUWANNEE	GT	DFO		TK		*	10/80		65,999	50	67
SUWANNEE RIVER	P3	SUWANNEE	GT	NG	DFO	PL	TK	*	11/80		65,999	50	68
UNIVERSITY OF FLORIDA	P1	ALACHUA	GT	NG		PL			1/94	11/2027 **	43,000	44	46
											CT Total	2,092	2,674
SOLAR													
OSCEOLA SOLAR FACILITY	PV1	OSCEOLA	PV	SO					5/16		3,800	2	0
PERRY SOLAR FACILITY	PV1	TAYLOR	PV	SO					8/16		5,100	2	0
SUWANNEE RIVER SOLAR FACILITY	PV1	SUWANNEE	PV	SO					11/17		8,800	4	0
HAMILTON SOLAR FACILITY	PV1	HAMILTON	PV	SO					12/18		74,900	42	0
TRENTON SOLAR FACILITY	PV1	GILCHRIST	PV	SO					12/19		74,900	43	0
LAKE PLACID	PV1	HIGHLANDS	PV	SO					12/19		45,000	26	0
ST PETERSBURG	PV1	PINELLAS	PV	SO					12/19		350	0.2	0
											SOLAR Total	119	0

TOTAL RESOURCES (MW) 9,902 10,894

* APPROXIMATELY 2 TO 3 DAYS OF OIL USE TYPICALLY TARGETED FOR ENTIRE PLANT.
** DATES FOR RETIREMENT ARE APPROXIMATE AND SUBJECT TO CHANGE

DUKE ENERGY FLORIDA

SCHEDULE 2.1.1

HISTORY AND FORECAST OF ENERGY CONSUMPTION AND
NUMBER OF CUSTOMERS BY CUSTOMER CLASS

BASE CASE FORECAST

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	RURAL AND RESIDENTIAL					COMMERCIAL		
YEAR	DEF POPULATION	MEMBERS PER HOUSEHOLD	GWh	AVERAGE NO. OF CUSTOMERS	AVERAGE KWh CONSUMPTION PER CUSTOMER	GWh	AVERAGE NO. OF CUSTOMERS	AVERAGE KWh CONSUMPTION PER CUSTOMER
HISTORY:								
2010	3,621,407	2.495	20,524	1,451,466	14,140	11,896	161,674	73,579
2011	3,625,558	2.496	19,238	1,452,454	13,245	11,892	162,071	73,374
2012	3,641,179	2.496	18,251	1,458,690	12,512	11,723	163,297	71,792
2013	3,713,013	2.495	18,508	1,488,159	12,437	11,718	165,936	70,617
2014	3,747,160	2.492	19,003	1,503,758	12,637	11,789	167,253	70,485
2015	3,794,138	2.489	19,932	1,524,605	13,074	12,070	169,147	71,359

DUKE ENERGY FLORIDA

SCHEDULE 2.2.1

HISTORY AND FORECAST OF ENERGY CONSUMPTION AND
NUMBER OF CUSTOMERS BY CUSTOMER CLASS

BASE CASE FORECAST

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	INDUSTRIAL						
	-----	-----	-----				
		AVERAGE NO. OF CUSTOMERS	AVERAGE KWh CONSUMPTION PER CUSTOMER	RAILROADS AND RAILWAYS GWh	STREET & HIGHWAY LIGHTING GWh	OTHER SALES TO PUBLIC AUTHORITIES GWh	TOTAL SALES TO ULTIMATE CONSUMERS GWh
YEAR	GWh	-----	-----	-----	-----	-----	-----
	-----	-----	-----	-----	-----	-----	-----
HISTORY:							
2010	3,219	2,481	1,297,461	0	26	3,260	38,925
2011	3,243	2,408	1,346,761	0	25	3,200	37,598
2012	3,160	2,372	1,332,209	0	25	3,221	36,381
2013	3,206	2,343	1,368,331	0	25	3,159	36,616
2014	3,267	2,280	1,432,895	0	25	3,157	37,240
2015	3,293	2,243	1,468,123	0	24	3,234	38,553
2016	3,197	2,178	1,467,860	0	24	3,194	38,774

DUKE ENERGY FLORIDA

SCHEDULE 2.3.1

HISTORY AND FORECAST OF ENERGY CONSUMPTION AND
NUMBER OF CUSTOMERS BY CUSTOMER CLASS
BASE CASE FORECAST

(1)	(2)	(3)	(4)	(5)	(6)
YEAR	SALES FOR RESALE GWh	UTILITY USE & LOSSES GWh	NET ENERGY FOR LOAD GWh	OTHER CUSTOMERS (AVERAGE NO.)	TOTAL NO. OF CUSTOMERS
-----	-----	-----	-----	-----	-----
HISTORY:					
2010	3,493	3,742	46,160	25,212	1,640,833
2011	2,712	2,180	42,490	25,228	1,642,161
2012	1,768	3,065	41,214	25,480	1,649,839
2013	1,488	2,668	40,772	25,759	1,682,197
2014	1,333	2,402	40,975	25,800	1,699,091
2015	1,243	2,484	42,280	25,866	1,721,861
2016	1,803	2,277	42,854	26,005	1,743,149
2017	2,196	2,700	42,919	26,248	1,775,340

DUKE ENERGY FLORIDA

SCHEDULE 3.1.1
HISTORY AND FORECAST OF SUMMER PEAK DEMAND (MW)
BASE CASE FORECAST

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(OTH)	(10)
YEAR	TOTAL	WHOLESALE	RETAIL	INTERRUPTIBLE	RESIDENTIAL LOAD MANAGEMENT	RESIDENTIAL CONSERVATION	COMM. / IND. LOAD MANAGEMENT	COMM. / IND. CONSERVATION	OTHER DEMAND REDUCTIONS	NET FIRM DEMAND
HISTORY:										
2010	10,242	1272	8,970	271	304	298	96	234	110	8,929
2011	9,972	934	9,038	227	317	329	97	256	110	8,636
2012	9,788	1080	8,708	262	328	358	98	280	124	8,337
2013	9,581	581	9,000	317	341	382	101	298	124	8,017
2014	10,067	814	9,253	232	355	404	108	313	132	8,523
2015	10,058	772	9,286	303	360	435	124	324	80	8,431
2016	10,530	893	9,637	235	366	466	100	339	80	8,946
2017	10,220	808	9,412	203	342	498	95	349	80	8,653
2018	10,271	812	9,459	257	386	532	83	387	80	8,545
2019	11,029	1021	10,008	230	394	566	86	414	80	9,260
FORECAST:										
2020	10,798	950	9,849	325	400	584	91	403	80	8,915
2021	10,872	963	9,909	335	407	603	95	406	80	8,946
2022	10,962	963	10,000	335	414	619	99	408	80	9,007
2023	10,718	662	10,056	335	421	633	104	409	80	8,735
2024	10,777	662	10,116	335	428	647	108	410	80	8,769
2025	10,623	461	10,162	335	435	662	112	410	80	8,588
2026	10,673	461	10,212	335	442	676	116	411	80	8,612
2027	10,751	461	10,290	335	449	689	121	411	80	8,666
2028	10,869	461	10,408	335	456	702	125	412	80	8,759
2029	10,963	461	10,502	335	463	715	129	412	80	8,829

Historical Values (2010 - 2019):

Col. (2) = recorded peak + implemented load control + residential and commercial/industrial conservation and customer-owned self-service cogeneration.

Cols. (5) - (9) = Represent total cumulative capabilities at peak. Col. (8) includes commercial load management and standby generation.

Col. (OTH) = Customer-owned self-service cogeneration.

Col. (10) = (2) - (5) - (6) - (7) - (8) - (9) - (OTH).

Projected Values (2019 - 2028):

Cols. (2) - (4) = forecasted peak without load control, cumulative conservation, and customer-owned self-service cogeneration.

Cols. (5) - (9) = cumulative conservation and load control capabilities at peak. Col. (8) includes commercial load management and standby generation.

Col. (OTH) = customer-owned self-service cogeneration.

Col. (10) = (2) - (5) - (6) - (7) - (8) - (9) - (OTH).

DUKE ENERGY FLORIDA

SCHEDULE 3.1.2
HISTORY AND FORECAST OF SUMMER PEAK DEMAND (MW)
HIGH CASE FORECAST

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(OTH)	(10)
YEAR	TOTAL	WHOLESALE	RETAIL	INTERRUPTIBLE	RESIDENTIAL LOAD MANAGEMENT	RESIDENTIAL CONSERVATION	COMM. / IND. LOAD MANAGEMENT	COMM. / IND. CONSERVATION	OTHER DEMAND REDUCTIONS	NET FIRM DEMAND
HISTORY:										
2010	10,242	1,272	8,970	271	304	298	96	234	110	8,929
2011	9,972	934	9,038	227	317	329	97	256	110	8,636
2012	9,788	1,080	8,708	262	328	358	98	280	124	8,337
2013	9,581	581	9,000	317	341	382	101	298	124	8,017
2014	10,067	814	9,253	232	355	404	108	313	132	8,523
2015	10,058	772	9,286	303	360	435	124	324	80	8,431
2016	10,530	893	9,637	235	366	466	100	339	80	8,946
2017	10,220	808	9,412	203	342	498	95	349	80	8,653
2018	10,271	812	9,459	257	386	532	83	387	80	8,545
2019	11,029	1,021	10,008	230	394	566	86	414	80	9,260
FORECAST:										
2020	11,957	950	11,008	325	400	584	91	403	80	10,074
2021	12,111	963	11,148	335	407	603	95	406	80	10,185
2022	12,275	963	11,312	335	414	619	99	408	80	10,319
2023	12,106	662	11,444	335	421	633	104	409	80	10,123
2024	12,239	662	11,578	335	428	647	108	410	80	10,231
2025	12,167	461	11,706	335	435	662	112	410	80	10,132
2026	12,298	461	11,837	335	442	676	116	411	80	10,237
2027	12,459	461	11,998	335	449	689	121	411	80	10,374
2028	12,656	461	12,195	335	456	702	125	412	80	10,546
2029	12,840	461	12,379	335	463	715	129	412	80	10,706

Historical Values (2010 - 2019):

Col. (2) = recorded peak + implemented load control + residential and commercial/industrial conservation and customer-owned self-service cogeneration.

Cols. (5) - (9) = Represent total cumulative capabilities at peak. Col. (8) includes commercial load management and standby generation.

Col. (OTH) = Customer-owned self-service cogeneration.

Col. (10) = (2) - (5) - (6) - (7) - (8) - (9) - (OTH).

Projected Values (2019 - 2028):

Cols. (2) - (4) = forecasted peak without load control, cumulative conservation, and customer-owned self-service cogeneration.

Cols. (5) - (9) = cumulative conservation and load control capabilities at peak. Col. (8) includes commercial load management and standby generation.

Col. (OTH) = customer-owned self-service cogeneration.

Col. (10) = (2) - (5) - (6) - (7) - (8) - (9) - (OTH).

DUKE ENERGY FLORIDA

SCHEDULE 3.1.3
HISTORY AND FORECAST OF SUMMER PEAK DEMAND (MW)
LOW CASE FORECAST

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(OTH)	(10)
YEAR	TOTAL	WHOLESALE	RETAIL	INTERRUPTIBLE	RESIDENTIAL LOAD MANAGEMENT	RESIDENTIAL CONSERVATION	COMM. / IND. LOAD MANAGEMENT	COMM. / IND. CONSERVATION	OTHER DEMAND REDUCTIONS	NET FIRM DEMAND
HISTORY:										
2010	10,242	1,272	8,970	271	304	298	96	234	110	8,929
2011	9,972	934	9,038	227	317	329	97	256	110	8,636
2012	9,788	1,080	8,708	262	328	358	98	280	124	8,337
2013	9,581	581	9,000	317	341	382	101	298	124	8,017
2014	10,067	814	9,253	232	355	404	108	313	132	8,523
2015	10,058	772	9,286	303	360	435	124	324	80	8,431
2016	10,530	893	9,637	235	366	466	100	339	80	8,946
2017	10,220	808	9,412	203	342	498	95	349	80	8,653
2018	10,271	812	9,459	257	386	532	83	387	80	8,545
2019	11,029	1,021	10,008	230	394	566	86	414	80	9,260
FORECAST:										
2020	10,136	950	9,186	325	400	584	91	403	80	8,252
2021	10,156	963	9,194	335	407	603	95	406	80	8,230
2022	10,190	963	9,227	335	414	619	99	408	80	8,235
2023	9,890	662	9,228	335	421	633	104	409	80	7,907
2024	9,893	662	9,231	335	428	647	108	410	80	7,885
2025	9,681	461	9,220	335	435	662	112	410	80	7,647
2026	9,673	461	9,212	335	442	676	116	411	80	7,613
2027	9,692	461	9,231	335	449	689	121	411	80	7,607
2028	9,747	461	9,285	335	456	702	125	412	80	7,637
2029	9,780	461	9,319	335	463	715	129	412	80	7,646

Historical Values (2010 - 2019):

Col. (2) = recorded peak + implemented load control + residential and commercial/industrial conservation and customer-owned self-service cogeneration.

Cols. (5) - (9) = Represent total cumulative capabilities at peak. Col. (8) includes commercial load management and standby generation.

Col. (OTH) = Customer-owned self-service cogeneration.

Col. (10) = (2) - (5) - (6) - (7) - (8) - (9) - (OTH).

Projected Values (2019 - 2028):

Cols. (2) - (4) = forecasted peak without load control, cumulative conservation, and customer-owned self-service cogeneration.

Cols. (5) - (9) = cumulative conservation and load control capabilities at peak. Col. (8) includes commercial load management and standby generation.

Col. (OTH) = customer-owned self-service cogeneration.

Col. (10) = (2) - (5) - (6) - (7) - (8) - (9) - (OTH).

DUKE ENERGY FLORIDA

SCHEDULE 3.2.1
HISTORY AND FORECAST OF WINTER PEAK DEMAND (MW)
BASE CASE FORECAST

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(OTH)	(10)
YEAR	TOTAL	WHOLESALE	RETAIL	INTERRUPTIBLE	RESIDENTIAL LOAD MANAGEMENT	RESIDENTIAL CONSERVATION	COMM. / IND. LOAD MANAGEMENT	COMM. / IND. CONSERVATION	OTHER DEMAND REDUCTIONS	NET FIRM DEMAND
HISTORY:										
2009/10	13,694	2,189	11,505	246	651	563	80	163	322	11,670
2010/11	11,343	1,625	9,718	271	661	628	94	180	221	9,288
2011/12	9,721	905	8,816	186	643	686	96	203	206	7,701
2012/13	9,109	831	8,278	287	652	747	97	220	213	6,893
2013/14	9,467	658	8,809	257	654	785	101	229	219	7,222
2014/15	10,648	1,035	9,613	273	658	815	109	236	237	8,319
2015/16	9,678	1,275	8,403	207	681	845	113	240	170	7,421
2016/17	8,739	701	8,038	191	687	878	78	243	165	6,497
2017/18	11,559	1,071	10,488	244	699	913	79	246	196	9,182
2018/19	8,527	572	7,955	239	711	948	84	251	164	6,130
FORECAST:										
2019/20	11,873	1,385	10,487	243	727	965	87	251	195	9,406
2020/21	11,350	713	10,637	299	741	983	91	252	196	8,789
2021/22	11,764	1,014	10,750	299	755	999	95	252	197	9,167
2022/23	11,554	713	10,841	299	769	1,014	99	253	198	8,922
2023/24	11,677	713	10,964	299	783	1,027	103	253	200	9,012
2024/25	11,475	512	10,962	299	797	1,043	108	253	199	8,777
2025/26	11,612	512	11,100	299	811	1,057	112	253	201	8,880
2026/27	11,705	512	11,193	299	825	1,070	116	253	202	8,941
2027/28	11,800	462	11,338	299	839	1,083	120	253	204	9,003
2028/29	11,867	462	11,404	299	853	1,095	125	253	204	9,038

Historical Values (2010 - 2019):

Col. (2) = recorded peak + implemented load control + residential and commercial/industrial conservation and customer-owned self-service cogeneration.

Cols. (5) - (9) = Represent total cumulative capabilities at peak. Col. (8) includes commercial load management and standby generation.

Col. (OTH) = Voltage reduction and customer-owned self-service cogeneration.

Col. (10) = (2) - (5) - (6) - (7) - (8) - (9) - (OTH).

Projected Values (2020 - 2029):

Cols. (2) - (4) = forecasted peak without load control, cumulative conservation, and customer-owned self-service cogeneration.

Cols. (5) - (9) = Represent cumulative conservation and load control capabilities at peak. Col. (8) includes commercial load management and standby generation.

Col. (OTH) = Voltage reduction and customer-owned self-service cogeneration.

Col. (10) = (2) - (5) - (6) - (7) - (8) - (9) - (OTH).

DUKE ENERGY FLORIDA

SCHEDULE 3.2.2
HISTORY AND FORECAST OF WINTER PEAK DEMAND (MW)
HIGH CASE FORECAST

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(OTH)	(10)
YEAR	TOTAL	WHOLESALE	RETAIL	INTERRUPTIBLE	RESIDENTIAL LOAD MANAGEMENT	RESIDENTIAL CONSERVATION	COMM. / IND. LOAD MANAGEMENT	COMM. / IND. CONSERVATION	OTHER DEMAND REDUCTIONS	NET FIRM DEMAND
HISTORY:										
2009/10	13,694	2,189	11,505	246	651	563	80	163	322	11,670
2010/11	11,343	1,625	9,718	271	661	628	94	180	221	9,288
2011/12	9,721	905	8,816	186	643	686	96	203	206	7,701
2012/13	9,109	831	8,278	287	652	747	97	220	213	6,893
2013/14	9,467	658	8,809	257	654	785	101	229	219	7,222
2014/15	10,648	1,035	9,613	273	658	815	109	236	237	8,319
2015/16	9,678	1,275	8,403	207	681	845	113	240	170	7,421
2016/17	8,739	701	8,038	191	687	878	78	243	165	6,497
2017/18	11,559	1,071	10,488	244	699	913	79	246	196	9,182
2018/19	8,527	572	7,955	239	711	948	84	251	164	6,130
FORECAST:										
2019/20	12,675	1,385	11,289	243	727	965	87	251	195	10,208
2020/21	12,227	713	11,514	299	741	983	91	252	196	9,666
2021/22	12,707	1,014	11,693	299	755	999	95	252	197	10,110
2022/23	12,569	713	11,856	299	769	1,014	99	253	198	9,937
2023/24	12,764	713	12,051	299	783	1,027	103	253	200	10,099
2024/25	12,661	512	12,149	299	797	1,043	108	253	199	9,963
2025/26	12,853	512	12,341	299	811	1,057	112	253	201	10,121
2026/27	13,026	512	12,514	299	825	1,070	116	253	202	10,262
2027/28	13,200	462	12,738	299	839	1,083	120	253	204	10,403
2028/29	13,349	462	12,886	299	853	1,095	125	253	204	10,520

Historical Values (2010 - 2019):

Col. (2) = recorded peak + implemented load control + residential and commercial/industrial conservation and customer-owned self-service cogeneration.

Cols. (5) - (9) = Represent total cumulative capabilities at peak. Col. (8) includes commercial load management and standby generation.

Col. (OTH) = Voltage reduction and customer-owned self-service cogeneration.

Col. (10) = (2) - (5) - (6) - (7) - (8) - (9) - (OTH).

Projected Values (2020 - 2029):

Cols. (2) - (4) = forecasted peak without load control, cumulative conservation, and customer-owned self-service cogeneration.

Cols. (5) - (9) = Represent cumulative conservation and load control capabilities at peak. Col. (8) includes commercial load management and standby generation.

Col. (OTH) = Voltage reduction and customer-owned self-service cogeneration.

Col. (10) = (2) - (5) - (6) - (7) - (8) - (9) - (OTH).

DUKE ENERGY FLORIDA

SCHEDULE 3.2.3
HISTORY AND FORECAST OF WINTER PEAK DEMAND (MW)
LOW CASE FORECAST

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(OTH)	(10)
YEAR	TOTAL	WHOLESALE	RETAIL	INTERRUPTIBLE	RESIDENTIAL LOAD MANAGEMENT	RESIDENTIAL CONSERVATION	COMM. / IND. LOAD MANAGEMENT	COMM. / IND. CONSERVATION	OTHER DEMAND REDUCTIONS	NET FIRM DEMAND
HISTORY:										
2009/10	13,694	2,189	11,505	246	651	563	80	163	322	11,670
2010/11	11,343	1,625	9,718	271	661	628	94	180	221	9,288
2011/12	9,721	905	8,816	186	643	686	96	203	206	7,701
2012/13	9,109	831	8,278	287	652	747	97	220	213	6,893
2013/14	9,467	658	8,809	257	654	785	101	229	219	7,222
2014/15	10,648	1,035	9,613	273	658	815	109	236	237	8,319
2015/16	9,678	1,275	8,403	207	681	845	113	240	170	7,421
2016/17	8,739	701	8,038	191	687	878	78	243	165	6,497
2017/18	11,559	1,071	10,488	244	699	913	79	246	196	9,182
2018/19	8,527	572	7,955	239	711	948	84	251	164	6,130
FORECAST:										
2019/20	10,072	1,385	8,687	243	727	965	87	251	195	7,605
2020/21	9,486	713	8,773	299	741	983	91	252	196	6,925
2021/22	9,839	1,014	8,825	299	755	999	95	252	197	7,242
2022/23	9,567	713	8,854	299	769	1,014	99	253	198	6,935
2023/24	9,618	713	8,905	299	783	1,027	103	253	200	6,953
2024/25	9,362	512	8,850	299	797	1,043	108	253	199	6,664
2025/26	9,437	512	8,924	299	811	1,057	112	253	201	6,705
2026/27	9,466	512	8,954	299	825	1,070	116	253	202	6,702
2027/28	9,485	462	9,023	299	839	1,083	120	253	204	6,688
2028/29	9,497	462	9,035	299	853	1,095	125	253	204	6,669

Historical Values (2010 - 2019):

Col. (2) = recorded peak + implemented load control + residential and commercial/industrial conservation and customer-owned self-service cogeneration.

Cols. (5) - (9) = Represent total cumulative capabilities at peak. Col. (8) includes commercial load management and standby generation.

Col. (OTH) = Voltage reduction and customer-owned self-service cogeneration.

Col. (10) = (2) - (5) - (6) - (7) - (8) - (9) - (OTH).

Projected Values (2020 - 2029):

Cols. (2) - (4) = forecasted peak without load control, cumulative conservation, and customer-owned self-service cogeneration.

Cols. (5) - (9) = Represent cumulative conservation and load control capabilities at peak. Col. (8) includes commercial load management and standby generation.

Col. (OTH) = Voltage reduction and customer-owned self-service cogeneration.

Col. (10) = (2) - (5) - (6) - (7) - (8) - (9) - (OTH).

DUKE ENERGY FLORIDA

SCHEDULE 3.3.3
HISTORY AND FORECAST OF ANNUAL NET ENERGY FOR LOAD (GWh)
LOW CASE FORECAST

(1)	(2)	(3)	(4)	(OTH)	(5)	(6)	(7)	(8)	(9)
YEAR	TOTAL	RESIDENTIAL CONSERVATION	COMM. / IND. CONSERVATION	OTHER ENERGY REDUCTIONS	RETAIL	WHOLESALE	UTILITY USE & LOSSES	NET ENERGY FOR LOAD	LOAD FACTOR (%) *
HISTORY:									
2010	48,135	638	558	779	38,925	3,493	3,742	46,160	45.3
2011	44,580	687	624	779	37,597	2,712	2,181	42,490	46.7
2012	43,396	733	669	780	36,381	1,768	3,065	41,214	52.1
2013	43,142	772	734	864	36,616	1,488	2,668	40,772	53.0
2014	43,443	812	791	864	37,240	1,333	2,402	40,975	50.7
2015	44,552	848	829	595	38,553	1,243	2,484	42,280	50.9
2016	45,200	892	857	596	38,774	1,803	2,277	42,854	50.6
2017	45,318	933	871	595	38,024	2,196	2,699	42,919	52.7
2018	46,729	977	933	595	39,145	2,324	2,755	44,224	48.9
2019	47,385	1,017	972	595	39,187	2,910	2,704	44,801	51.3
FORECAST:									
2020	43,424	1,027	951	596	36,679	1,460	2,711	40,850	61.1
2021	43,503	1,048	957	595	36,881	1,379	2,642	40,902	67.4
2022	43,921	1,069	961	595	37,019	1,611	2,666	41,296	65.1
2023	43,633	1,090	965	595	37,060	1,265	2,659	40,983	67.5
2024	43,729	1,110	968	596	37,034	1,266	2,755	41,055	67.2
2025	43,338	1,129	972	595	37,221	898	2,523	40,642	69.6
2026	43,326	1,147	976	595	37,007	898	2,703	40,608	69.1
2027	43,386	1,165	979	595	37,074	898	2,676	40,647	69.2
2028	43,620	1,182	983	596	37,416	898	2,545	40,859	69.6
2029	43,716	1,199	986	595	37,483	898	2,556	40,937	70.1

* Load Factors for historical years are calculated using the actual and projected annual peak.

DUKE ENERGY FLORIDA

SCHEDULE 4.1

PREVIOUS YEAR ACTUAL AND TWO-YEAR FORECAST OF PEAK DEMAND
AND NET ENERGY FOR LOAD BY MONTH
BASE CASE FORECAST

(1)	(2)	(3)	(4)	(5)	(6)	(7)
	ACTUAL		FORECAST		FORECAST	
	2019		2020		2021	
MONTH	PEAK DEMAND MW	NEL GWh	PEAK DEMAND MW	NEL GWh	PEAK DEMAND MW	NEL GWh
JANUARY	7,248	3,239	10,577	3,110	10,035	3,154
FEBRUARY	6,784	2,775	8,416	2,843	7,830	2,805
MARCH	6,632	3,037	7,971	3,048	7,375	3,086
APRIL	7,521	3,342	7,832	3,227	7,773	3,251
MAY	9,175	4,147	8,829	3,945	8,757	3,952
JUNE	9,970	4,526	9,498	4,270	9,630	4,315
JULY	9,585	4,594	9,624	4,603	9,690	4,608
AUGUST	9,190	4,658	9,731	4,520	9,783	4,527
SEPTEMBER	9,273	4,400	9,325	4,245	9,392	4,270
OCTOBER	8,393	4,131	8,565	3,682	8,735	3,718
NOVEMBER	6,918	2,994	7,020	2,989	7,174	3,043
<u>DECEMBER</u>	<u>5,895</u>	<u>2,958</u>	<u>9,471</u>	<u>3,165</u>	<u>9,108</u>	<u>3,210</u>
TOTAL		44,801		43,645		43,939

NOTE: Recorded Net Peak demands and NEL include off-system wholesale contracts.

DUKE ENERGY FLORIDA

SCHEDULE 4.2
PREVIOUS YEAR ACTUAL AND TWO-YEAR FORECAST OF PEAK DEMAND
AND NET ENERGY FOR LOAD BY MONTH
HIGH CASE FORECAST

(1) MONTH	(2) ACTUAL		(4) FORECAST		(6) FORECAST	
	(3)		(5)		(7)	
	2019		2020		2021	
	PEAK DEMAND MW	NEL GWh	PEAK DEMAND MW	NEL GWh	PEAK DEMAND MW	NEL GWh
JANUARY	7,248	3,239	11,404	3,793	10,926	3,862
FEBRUARY	6,784	2,775	9,189	3,385	8,656	3,379
MARCH	6,632	3,037	8,642	3,574	8,097	3,636
APRIL	7,521	3,342	8,466	3,530	8,461	3,578
MAY	9,175	4,147	9,495	4,149	9,486	4,184
JUNE	9,970	4,526	10,168	4,467	10,369	4,543
JULY	9,585	4,594	10,272	4,768	10,397	4,804
AUGUST	9,190	4,658	10,382	4,671	10,503	4,708
SEPTEMBER	9,273	4,400	9,980	4,409	10,111	4,463
OCTOBER	8,393	4,131	9,241	3,959	9,463	4,022
NOVEMBER	6,918	2,994	7,801	3,439	8,020	3,519
<u>DECEMBER</u>	5,895	<u>2,958</u>	10,320	<u>3,913</u>	10,018	<u>3,990</u>
TOTAL		44,801		48,056		48,688

NOTE: Recorded Net Peak demands and NEL include off-system wholesale contracts.

DUKE ENERGY FLORIDA

SCHEDULE 4.3

PREVIOUS YEAR ACTUAL AND TWO-YEAR FORECAST OF PEAK DEMAND
AND NET ENERGY FOR LOAD BY MONTH
LOW CASE FORECAST

(1) MONTH	(2) ACTUAL		(4) FORECAST		(6) FORECAST	
	(3)		(5)		(7)	
	2019		2020		2021	
	PEAK DEMAND MW	NEL GWh	PEAK DEMAND MW	NEL GWh	PEAK DEMAND MW	NEL GWh
JANUARY	7,248	3,239	8,776	2,931	8,172	2,951
FEBRUARY	6,784	2,775	6,910	2,665	6,278	2,617
MARCH	6,632	3,037	6,618	2,791	5,979	2,807
APRIL	7,521	3,342	7,236	2,973	7,137	2,978
MAY	9,175	4,147	8,208	3,704	8,091	3,689
JUNE	9,970	4,526	8,843	3,993	8,917	4,015
JULY	9,585	4,594	8,977	4,397	8,984	4,379
AUGUST	9,190	4,658	9,068	4,262	9,067	4,245
SEPTEMBER	9,273	4,400	8,690	3,995	8,718	3,999
OCTOBER	8,393	4,131	7,949	3,435	8,084	3,452
NOVEMBER	6,918	2,994	6,298	2,788	6,417	2,826
<u>DECEMBER</u>	5,895	<u>2,958</u>	7,845	<u>2,917</u>	7,443	<u>2,945</u>
TOTAL		44,801		40,850		40,902

NOTE: Recorded Net Peak demands and NEL include off-system wholesale contracts.

DUKE ENERGY FLORIDA

SCHEDULE 6.1
ENERGY SOURCES (GWh)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
				-ACTUAL-											
ENERGY SOURCES			UNITS	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
(1)	ANNUAL FIRM INTERCHANGE 1/		GWh	2,244	1,062	1,170	1,425	1,367	1,648	1,176	1,234	1,146	249	39	34
(2)	NUCLEAR		GWh	0	0	0	0	0	0	0	0	0	0	0	0
(3)	COAL		GWh	8,422	4,322	3,661	3,763	3,522	2,985	2,735	2,963	2,952	3,099	3,551	3,540
(4)	RESIDUAL	TOTAL	GWh	0	0	0	0	0	0	0	0	0	0	0	0
(5)		STEAM	GWh	0	0	0	0	0	0	0	0	0	0	0	0
(6)		CC	GWh	0	0	0	0	0	0	0	0	0	0	0	0
(7)		CT	GWh	0	0	0	0	0	0	0	0	0	0	0	0
(8)		DIESEL	GWh	0	0	0	0	0	0	0	0	0	0	0	0
(9)	DISTILLATE	TOTAL	GWh	90	30	17	20	13	6	41	32	39	55	86	65
(10)		STEAM	GWh	30	0	0	0	0	0	0	0	0	0	0	0
(11)		CC	GWh	0	0	0	0	0	0	0	0	0	0	0	0
(12)		CT	GWh	61	30	17	20	13	6	41	32	39	55	86	65
(13)		DIESEL	GWh	0	0	0	0	0	0	0	0	0	0	0	0
(14)	NATURAL GAS	TOTAL	GWh	28,687	35,092	34,078	34,189	34,109	33,770	35,311	34,780	34,955	35,684	35,587	35,671
(15)		STEAM	GWh	2,714	2,278	627	735	782	767	801	912	957	984	1,073	995
(16)		CC	GWh	25,360	31,911	32,997	33,028	32,875	32,603	33,910	33,363	33,403	33,686	33,588	33,733
(17)		CT	GWh	612	903	454	425	452	400	600	505	595	1,014	926	942
(18)	OTHER 2/														
	QF PURCHASES		GWh	1,826	1,803	1,994	1,999	2,003	2,003	822	497	2	2	2	2
	RENEWABLES OTHER		GWh	0	0	0	0	0	0	0	0	0	0	0	0
	RENEWABLES MSW		GWh	845	670	946	941	956	956	956	949	949	949	952	949
	RENEWABLES BIOMASS		GWh	399	15	0	0	0	0	0	0	0	0	0	0
	RENEWABLES SOLAR		GWh	26	222	835	1,460	2,620	3,167	3,840	4,266	4,912	5,231	5,562	5,862
	IMPORT FROM OUT OF STATE		GWh	1,685	1,290	943	142	0	0	0	0	0	0	0	0
	EXPORT TO OUT OF STATE		GWh	0	0	0	0	0	0	0	0	0	0	0	0
(19)	NET ENERGY FOR LOAD		GWh	44,224	44,505	43,645	43,939	44,591	44,536	44,880	44,721	44,955	45,268	45,778	46,124

1/ NET ENERGY PURCHASED (+) OR SOLD (-) WITHIN THE FRCC REGION.

2/ NET ENERGY PURCHASED (+) OR SOLD (-).

DUKE ENERGY FLORIDA

SCHEDULE 6.2
ENERGY SOURCES (PERCENT)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
				-ACTUAL-											
	<u>ENERGY SOURCES</u>	<u>UNITS</u>		<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>
(1)	ANNUAL FIRM INTERCHANGE 1/	%		5.1%	2.4%	2.7%	3.2%	3.1%	3.7%	2.6%	2.8%	2.5%	0.5%	0.1%	0.1%
(2)	NUCLEAR	%		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
(3)	COAL	%		19.0%	9.7%	8.4%	8.6%	7.9%	6.7%	6.1%	6.6%	6.6%	6.8%	7.8%	7.7%
(4)	RESIDUAL	TOTAL	%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
(5)		STEAM	%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
(6)		CC	%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
(7)		CT	%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
(8)		DIESEL	%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
(9)	DISTILLATE	TOTAL	%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.2%	0.1%
(10)		STEAM	%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
(11)		CC	%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
(12)		CT	%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.2%	0.1%
(13)		DIESEL	%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
(14)	NATURAL GAS	TOTAL	%	64.9%	78.8%	78.1%	77.8%	76.5%	75.8%	78.7%	77.8%	77.8%	78.8%	77.7%	77.3%
(15)		STEAM	%	6.1%	5.1%	1.4%	1.7%	1.8%	1.7%	1.8%	2.0%	2.1%	2.2%	2.3%	2.2%
(16)		CC	%	57.3%	71.7%	75.6%	75.2%	73.7%	73.2%	75.6%	74.6%	74.3%	74.4%	73.4%	73.1%
(17)		CT	%	1.4%	2.0%	1.0%	1.0%	1.0%	0.9%	1.3%	1.1%	1.3%	2.2%	2.0%	2.0%
(18)	OTHER 2/														
	QF PURCHASES	%		4.1%	4.1%	4.6%	4.5%	4.5%	4.5%	1.8%	1.1%	0.0%	0.0%	0.0%	0.0%
	RENEWABLES OTHER	%		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	RENEWABLES MSW	%		1.9%	1.5%	2.2%	2.1%	2.1%	2.1%	2.1%	2.1%	2.1%	2.1%	2.1%	2.1%
	RENEWABLES BIOMASS	%		0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	RENEWABLES SOLAR	%		0.1%	0.5%	1.9%	3.3%	5.9%	7.1%	8.6%	9.5%	10.9%	11.6%	12.1%	12.7%
	IMPORT FROM OUT OF STATE	%		3.8%	2.9%	2.2%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	EXPORT TO OUT OF STATE	%		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
(19)	NET ENERGY FOR LOAD	%		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

1/ NET ENERGY PURCHASED (+) OR SOLD (-) WITHIN THE FRCC REGION.

2/ NET ENERGY PURCHASED (+) OR SOLD (-).

DUKE ENERGY FLORIDA

SCHEDULE 7.1
FORECAST OF CAPACITY, DEMAND AND SCHEDULED MAINTENANCE
AT TIME OF SUMMER PEAK

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	TOTAL INSTALLED CAPACITY	FIRM ^a CAPACITY IMPORT	FIRM CAPACITY EXPORT	QF ^b	TOTAL CAPACITY AVAILABLE	SYSTEM FIRM SUMMER PEAK DEMAND	RESERVE MARGIN BEFORE MAINTENANCE		SCHEDULED MAINTENANCE	RESERVE MARGIN AFTER MAINTENANCE	
	MW	MW	MW	MW	MW	MW	MW	% OF PEAK	MW	MW	% OF PEAK
2020	9,978	1,878	0	78	11,934	8,915	3,019	34%	0	3,019	34%
2021	10,021	1,454	0	78	11,553	8,946	2,607	29%	0	2,607	29%
2022	10,222	1,454	0	78	11,754	9,007	2,747	31%	0	2,747	31%
2023	10,305	1,454	0	78	11,837	8,735	3,102	36%	0	3,102	36%
2024	10,724	859	0	78	11,661	8,769	2,892	33%	0	2,892	33%
2025	10,721	744	0	78	11,543	8,588	2,955	34%	0	2,955	34%
2026	10,632	640	0	78	11,350	8,612	2,738	32%	0	2,738	32%
2027	10,566	0	0	78	10,644	8,666	1,978	23%	0	1,978	23%
2028	10,561	0	0	78	10,639	8,759	1,880	21%	0	1,880	21%
2029	10,826	0	0	78	10,903	8,829	2,074	23%	0	2,074	23%

Notes:

a. FIRM Capacity Import includes Cogeneration, Utility and Independent Power Producers, and Short Term Purchase Contracts.

b. QF includes Firm Renewables

DUKE ENERGY FLORIDA

SCHEDULE 7.2
FORECAST OF CAPACITY, DEMAND AND SCHEDULED MAINTENANCE
AT TIME OF WINTER PEAK

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	TOTAL INSTALLED CAPACITY	FIRM ^a CAPACITY IMPORT	FIRM CAPACITY EXPORT	QF ^b	TOTAL CAPACITY AVAILABLE	SYSTEM FIRM WINTER PEAK DEMAND	RESERVE MARGIN BEFORE MAINTENANCE		SCHEDULED MAINTENANCE	RESERVE MARGIN AFTER MAINTENANCE	
	MW	MW	MW	MW	MW	MW	MW	% OF PEAK	MW	MW	% OF PEAK
2019/20	10,894	1,961	0	78	12,933	9,406	3,528	38%	0	3,528	38%
2020/21	10,850	1,961	0	78	12,889	8,789	4,101	47%	0	4,101	47%
2021/22	10,850	1,537	0	78	12,465	9,167	3,298	36%	0	3,298	36%
2022/23	10,850	1,537	0	78	12,465	8,922	3,543	40%	0	3,543	40%
2023/24	10,850	1,422	0	78	12,350	9,012	3,339	37%	0	3,339	37%
2024/25	11,205	785	0	78	12,068	8,777	3,291	38%	0	3,291	38%
2025/26	10,967	681	0	78	11,726	8,880	2,846	32%	0	2,846	32%
2026/27	10,967	681	0	78	11,726	8,941	2,785	31%	0	2,785	31%
2027/28	10,732	0	0	78	10,809	9,003	1,806	20%	0	1,806	20%
2028/29	10,732	0	0	78	10,809	9,038	1,771	20%	0	1,771	20%

Notes:

a. FIRM Capacity Import includes Cogeneration, Utility and Independent Power Producers, and Short Term Purchase Contracts.

b. QF includes Firm Renewables

DUKE ENERGY FLORIDA

**SCHEDULE 8
PLANNED AND PROSPECTIVE GENERATING FACILITY ADDITIONS AND CHANGES**

AS OF JANUARY 1, 2020 THROUGH DECEMBER 31, 2029

(1)	(2)	(3)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
PLANT NAME	UNIT NO.	LOCATION (COUNTY)	COM'L IN-SERVICE MO. / YR	EXPECTED RETIREMENT MO. / YR	GEN. MAX. NAMEPLATE KW	FIRM NET CAPABILITY		STATUS ^a	NOTES ^b
						SUMMER MW	WINTER MW		
COLUMBIA	1	COLUMBIA	03/2020		74,900	43	0	P	(1)
DEBARY	1	VOLUSIA	05/2020		74,500	34	0	P	(1)
TWIN RIVERS	1	HAMILTON	12/2020		74,900	43	0	P	(1)
SANTA FE	1	COLUMBIA	12/2020		74,900	43	0	P	(1)
AVON PARK	P1	HIGHLANDS		10/2020		(24)	(25)	RT	(1)
AVON PARK	P2	HIGHLANDS		10/2020		(24)	(25)	RT	(1)
UNKNOWN	1	UNKNOWN	12/2021		74,900	43	0	P	(1)
UNKNOWN	1	UNKNOWN	12/2021		74,900	43	0	P	(1)
UNKNOWN	1	UNKNOWN	12/2021		56,000	32	0	P	(1)
SOLAR DEGRADATION	N/A	N/A	N/A	N/A	N/A	(1)			(2)
UNKNOWN	1	UNKNOWN	01/2022		74,900	43	0	P	(1)
UNKNOWN	1	UNKNOWN	01/2022		74,900	43	0	P	(1)
SOLAR DEGRADATION	N/A	N/A	N/A	N/A	N/A	(1)			(2)
UNKNOWN	1	UNKNOWN	05/2023		74,900	43	0	P	(1)
UNKNOWN	1	UNKNOWN	05/2023		74,900	43	0	P	(1)
SOLAR DEGRADATION	N/A	N/A	N/A	N/A	N/A	(2)			(2)
OSPREY CC	1	POLK	05/2024			337	355	P	(3)
UNKNOWN	1	UNKNOWN	05/2024		74,900	43	0	P	(1)
UNKNOWN	1	UNKNOWN	05/2024		74,900	43	0	P	(1)
SOLAR DEGRADATION	N/A	N/A	N/A	N/A	N/A	(3)			(2)
UNKNOWN	1	UNKNOWN	12/2025		74,900	43	0	P	(1)
UNKNOWN	1	UNKNOWN	12/2025		74,900	43	0	P	(1)
BAYBORO	P1 - P4	PINELLAS		12/2025		(171)	(238)		
SOLAR DEGRADATION	N/A	N/A	N/A	N/A	N/A	(3)			(2)
UNKNOWN	1	UNKNOWN	12/2026		74,900	43	0	P	(1)
SOLAR DEGRADATION	N/A	N/A	N/A	N/A	N/A	(3)			(2)
DEBARY	P2 - P6	VOLUSIA		06/2027		(249)	(324)		
BARTOW	P1, P3	PINELLAS		06/2027		(82)	(105)		
UNKNOWN	P1	UNKNOWN	06/2027		229,400	226	240	P	(1)
UNKNOWN	1	UNKNOWN	12/2027		74,900	43	0	P	(1)
UNIVERSITY OF FLORIDA	P1	ALACHUA		11/2027		(44)	(46)		
SOLAR DEGRADATION	N/A	N/A	N/A	N/A	N/A	(4)			(2)
UNKNOWN	1	UNKNOWN	12/2028		74,900	43	0	P	(1)
SOLAR DEGRADATION	N/A	N/A	N/A	N/A	N/A	(4)			(2)
UNKNOWN	P2	UNKNOWN	06/2029		229,400	226	240	P	(1)
UNKNOWN	1	UNKNOWN	12/2029		74,900	43	0	P	(1)
SOLAR DEGRADATION	N/A	N/A	N/A	N/A	N/A	(4)			(2)

a. See page v. for Code Legend of Future Generating Unit Status.

b. NOTES

(1) Planned, Prospective, or Committed project.

(2) Solar capacity degrades by 0.5% every year

(3) Osprey CC Acquisition total capacity is available once Transmission Upgrades are in service, total Summer capacity goes up to 582MW and total Winter capacity goes up to

DUKE ENERGY FLORIDA

SCHEDULE 9

STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES

AS OF JANUARY 1, 2020

- | | | |
|--|----------------------|------------------|
| (1) Plant Name and Unit Number: | Columbia | |
| (2) Capacity | | |
| a. Nameplate (MWac): | 74.9 | |
| b. Summer Firm (MWac): | 42.7 | |
| c. Winter Firm (MWac): | - | |
| (3) Technology Type: | PHOTOVOLTAIC | |
| (4) Anticipated Construction Timing | | |
| a. Field construction start date: | 8/2019 | |
| b. Commercial in-service date: | 3/2020 | (EXPECTED) |
| (5) Fuel | | |
| a. Primary fuel: | SOLAR | |
| b. Alternate fuel: | N/A | |
| (6) Air Pollution Control Strategy: | N/A | |
| (7) Cooling Method: | N/A | |
| (8) Total Site Area: | ~500-600 ACRES | |
| (9) Construction Status: | PLANNED | |
| (10) Certification Status: | | |
| (11) Status with Federal Agencies: | | |
| (12) Projected Unit Performance Data | | |
| a. Planned Outage Factor (POF): | | N/A % |
| b. Forced Outage Factor (FOF): | | N/A % |
| c. Equivalent Availability Factor (EAF): | | N/A % |
| d. Resulting Capacity Factor (%): | | ~31 % |
| e. Average Net Operating Heat Rate (ANOHR): | | N/A BTU/kWh |
| (13) Projected Unit Financial Data | | |
| a. Book Life (Years): | | 30 |
| b. Total Installed Cost (In-service year \$/kW): | Less than \$1,650/Kw | |
| c. Direct Construction Cost (\$/kWac): | (\$2020) | |
| d. AFUDC Amount (\$/kW): | | |
| e. Escalation (\$/kW): | | |
| f. Fixed O&M (\$/kWdc-yr): | (\$2020) | Less than \$8/Kw |
| g. Variable O&M (\$/MWh): | (\$2020) | 0.00 |
| h. K Factor: | NO CALCULATION | |

DUKE ENERGY FLORIDA

SCHEDULE 9

STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES

AS OF JANUARY 1, 2020

- | | | |
|--|----------------------|------------------|
| (1) Plant Name and Unit Number: | DeBary | |
| (2) Capacity | | |
| a. Nameplate (MWac): | 74.5 | |
| b. Summer Firm (MWac): | 33.5 | |
| c. Winter Firm (MWac): | - | |
| (3) Technology Type: | PHOTOVOLTAIC | |
| (4) Anticipated Construction Timing | | |
| a. Field construction start date: | 9/2019 | |
| b. Commercial in-service date: | 5/2020 | (EXPECTED) |
| (5) Fuel | | |
| a. Primary fuel: | SOLAR | |
| b. Alternate fuel: | N/A | |
| (6) Air Pollution Control Strategy: | N/A | |
| (7) Cooling Method: | N/A | |
| (8) Total Site Area: | ~300-400 ACRES | |
| (9) Construction Status: | PLANNED | |
| (10) Certification Status: | | |
| (11) Status with Federal Agencies: | | |
| (12) Projected Unit Performance Data | | |
| a. Planned Outage Factor (POF): | | N/A % |
| b. Forced Outage Factor (FOF): | | N/A % |
| c. Equivalent Availability Factor (EAF): | | N/A % |
| d. Resulting Capacity Factor (%): | | ~24 % |
| e. Average Net Operating Heat Rate (ANOHR): | | N/A BTU/kWh |
| (13) Projected Unit Financial Data | | |
| a. Book Life (Years): | | 30 |
| b. Total Installed Cost (In-service year \$/kW): | Less than \$1,650/Kw | |
| c. Direct Construction Cost (\$/kWac): | (\$2020) | |
| d. AFUDC Amount (\$/kW): | | |
| e. Escalation (\$/kW): | | |
| f. Fixed O&M (\$/kWdc-yr): | (\$2020) | Less than \$8/Kw |
| g. Variable O&M (\$/MWh): | (\$2020) | 0.00 |
| h. K Factor: | NO CALCULATION | |

DUKE ENERGY FLORIDA

SCHEDULE 9

STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2020

(1) Plant Name and Unit Number:	Twin Rivers		
(2) Capacity			
a. Nameplate (MWac):	74.9		
b. Summer Firm (MWac):	42.7		
c. Winter Firm (MWac):	-		
(3) Technology Type:	PHOTOVOLTAIC		
(4) Anticipated Construction Timing			
a. Field construction start date:	4/2020		
b. Commercial in-service date:	12/2020	(EXPECTED)	
(5) Fuel			
a. Primary fuel:	SOLAR		
b. Alternate fuel:	N/A		
(6) Air Pollution Control Strategy:	N/A		
(7) Cooling Method:	N/A		
(8) Total Site Area:	~450-550 ACRES		
(9) Construction Status:	PLANNED		
(10) Certification Status:			
(11) Status with Federal Agencies:			
(12) Projected Unit Performance Data			
a. Planned Outage Factor (POF):		N/A	%
b. Forced Outage Factor (FOF):		N/A	%
c. Equivalent Availability Factor (EAF):		N/A	%
d. Resulting Capacity Factor (%):		-27	%
e. Average Net Operating Heat Rate (ANOHR):		N/A	BTU/kWh
(13) Projected Unit Financial Data			
a. Book Life (Years):		30	
b. Total Installed Cost (In-service year \$/kW):		Less than \$1,650/Kw	
c. Direct Construction Cost (\$/kWac):	(\$2020)		
d. AFUDC Amount (\$/kW):			
e. Escalation (\$/kW):			
f. Fixed O&M (\$/kWdc-yr):	(\$2020)	Less than \$8/Kw	
g. Variable O&M (\$/MWh):	(\$2020)		0.00
h. K Factor:		NO CALCULATION	

DUKE ENERGY FLORIDA

SCHEDULE 9

STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2020

(1) Plant Name and Unit Number:	Santa Fe		
(2) Capacity			
a. Nameplate (MWac):	74.9		
b. Summer Firm (MWac):	42.7		
c. Winter Firm (MWac):	-		
(3) Technology Type:	PHOTOVOLTAIC		
(4) Anticipated Construction Timing			
a. Field construction start date:	4/2020		
b. Commercial in-service date:	12/2020	(EXPECTED)	
(5) Fuel			
a. Primary fuel:	SOLAR		
b. Alternate fuel:	N/A		
(6) Air Pollution Control Strategy:	N/A		
(7) Cooling Method:	N/A		
(8) Total Site Area:	~500-650 ACRES		
(9) Construction Status:	PLANNED		
(10) Certification Status:			
(11) Status with Federal Agencies:			
(12) Projected Unit Performance Data			
a. Planned Outage Factor (POF):		N/A	%
b. Forced Outage Factor (FOF):		N/A	%
c. Equivalent Availability Factor (EAF):		N/A	%
d. Resulting Capacity Factor (%):		~29	%
e. Average Net Operating Heat Rate (ANOHR):		N/A	BTU/kWh
(13) Projected Unit Financial Data			
a. Book Life (Years):		30	
b. Total Installed Cost (In-service year \$/kW):		Less than \$1,650/Kw	
c. Direct Construction Cost (\$/kWac):	(\$2020)		
d. AFUDC Amount (\$/kW):			
e. Escalation (\$/kW):			
f. Fixed O&M (\$/kWdc-yr):	(\$2020)	Less than \$8/Kw	
g. Variable O&M (\$/MWh):	(\$2020)	0.00	
h. K Factor:		NO CALCULATION	

DUKE ENERGY FLORIDA

SCHEDULE 9

STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2020

(1) Plant Name and Unit Number:	TBD		
(2) Capacity			
a. Nameplate (MWac):	74.9		
b. Summer Firm (MWac):	42.7		
c. Winter Firm (MWac):	-		
(3) Technology Type:	PHOTOVOLTAIC		
(4) Anticipated Construction Timing			
a. Field construction start date:	4/2021		
b. Commercial in-service date:	12/2021	(EXPECTED)	
(5) Fuel			
a. Primary fuel:	SOLAR		
b. Alternate fuel:	N/A		
(6) Air Pollution Control Strategy:	N/A		
(7) Cooling Method:	N/A		
(8) Total Site Area:	~500-600 ACRES		
(9) Construction Status:	PLANNED		
(10) Certification Status:			
(11) Status with Federal Agencies:			
(12) Projected Unit Performance Data			
a. Planned Outage Factor (POF):		N/A	%
b. Forced Outage Factor (FOF):		N/A	%
c. Equivalent Availability Factor (EAF):		N/A	%
d. Resulting Capacity Factor (%):		~29	%
e. Average Net Operating Heat Rate (ANOHR):		N/A	BTU/kWh
(13) Projected Unit Financial Data			
a. Book Life (Years):		30	
b. Total Installed Cost (In-service year \$/kW):		Less than \$1,650/Kw	
c. Direct Construction Cost (\$/kWac):	(\$2020)		
d. AFUDC Amount (\$/kW):			
e. Escalation (\$/kW):			
f. Fixed O&M (\$/kWdc-yr):	(\$2020)	Less than \$8/Kw	
g. Variable O&M (\$/MWh):	(\$2020)	0.00	
h. K Factor:		NO CALCULATION	

DUKE ENERGY FLORIDA

SCHEDULE 9

STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2020

(1) Plant Name and Unit Number:	TBD		
(2) Capacity			
a. Nameplate (MWac):	74.9		
b. Summer Firm (MWac):	42.7		
c. Winter Firm (MWac):	-		
(3) Technology Type:	PHOTOVOLTAIC		
(4) Anticipated Construction Timing			
a. Field construction start date:	4/2021		
b. Commercial in-service date:	12/2021	(EXPECTED)	
(5) Fuel			
a. Primary fuel:	SOLAR		
b. Alternate fuel:	N/A		
(6) Air Pollution Control Strategy:	N/A		
(7) Cooling Method:	N/A		
(8) Total Site Area:	~500-600 ACRES		
(9) Construction Status:	PLANNED		
(10) Certification Status:			
(11) Status with Federal Agencies:			
(12) Projected Unit Performance Data			
a. Planned Outage Factor (POF):		N/A	%
b. Forced Outage Factor (FOF):		N/A	%
c. Equivalent Availability Factor (EAF):		N/A	%
d. Resulting Capacity Factor (%):		~29	%
e. Average Net Operating Heat Rate (ANOHR):		N/A	BTU/kWh
(13) Projected Unit Financial Data			
a. Book Life (Years):		30	
b. Total Installed Cost (In-service year \$/kW):		Less than \$1,650/Kw	
c. Direct Construction Cost (\$/kWac):	(\$2020)		
d. AFUDC Amount (\$/kW):			
e. Escalation (\$/kW):			
f. Fixed O&M (\$/kWdc-yr):	(\$2020)	Less than \$8/Kw	
g. Variable O&M (\$/MWh):	(\$2020)	0.00	
h. K Factor:		NO CALCULATION	

DUKE ENERGY FLORIDA

SCHEDULE 9

STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2020

(1) Plant Name and Unit Number:	TBD		
(2) Capacity			
a. Nameplate (MWac):		56.0	
b. Summer Firm (MWac):		31.9	
c. Winter Firm (MWac):		-	
(3) Technology Type:	PHOTOVOLTAIC		
(4) Anticipated Construction Timing			
a. Field construction start date:		4/2021	
b. Commercial in-service date:		12/2021	(EXPECTED)
(5) Fuel			
a. Primary fuel:	SOLAR		
b. Alternate fuel:	N/A		
(6) Air Pollution Control Strategy:	N/A		
(7) Cooling Method:	N/A		
(8) Total Site Area:	~450-550 ACRES		
(9) Construction Status:	PLANNED		
(10) Certification Status:			
(11) Status with Federal Agencies:			
(12) Projected Unit Performance Data			
a. Planned Outage Factor (POF):			N/A %
b. Forced Outage Factor (FOF):			N/A %
c. Equivalent Availability Factor (EAF):			N/A %
d. Resulting Capacity Factor (%):			~29 %
e. Average Net Operating Heat Rate (ANOHR):			N/A BTU/kWh
(13) Projected Unit Financial Data			
a. Book Life (Years):			30
b. Total Installed Cost (In-service year \$/kW):		Less than \$1,650/Kw	
c. Direct Construction Cost (\$/kWac):	(\$2020)		
d. AFUDC Amount (\$/kW):			
e. Escalation (\$/kW):			
f. Fixed O&M (\$/kWdc-yr):	(\$2020)	Less than \$8/Kw	
g. Variable O&M (\$/MWh):	(\$2020)		0.00
h. K Factor:		NO CALCULATION	

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2020

(1) Plant Name and Unit Number:	TBD		
(2) Capacity			
a. Nameplate (MWac):	74.9		
b. Summer Firm (MWac):	42.7		
c. Winter Firm (MWac):	-		
(3) Technology Type:	PHOTOVOLTAIC		
(4) Anticipated Construction Timing			
a. Field construction start date:	5/2021		
b. Commercial in-service date:	01/2022	(EXPECTED)	
(5) Fuel			
a. Primary fuel:	SOLAR		
b. Alternate fuel:	N/A		
(6) Air Pollution Control Strategy:	N/A		
(7) Cooling Method:	N/A		
(8) Total Site Area:	~500-600 ACRES		
(9) Construction Status:	PLANNED		
(10) Certification Status:			
(11) Status with Federal Agencies:			
(12) Projected Unit Performance Data			
a. Planned Outage Factor (POF):		N/A	%
b. Forced Outage Factor (FOF):		N/A	%
c. Equivalent Availability Factor (EAF):		N/A	%
d. Resulting Capacity Factor (%):		~29	%
e. Average Net Operating Heat Rate (ANOHR):		N/A	BTU/kWh
(13) Projected Unit Financial Data			
a. Book Life (Years):		30	
b. Total Installed Cost (In-service year \$/kW):			
c. Direct Construction Cost (\$/kWac):	(\$2020)		
d. AFUDC Amount (\$/kW):			
e. Escalation (\$/kW):			
f. Fixed O&M (\$/kWdc-yr):	(\$2020)		
g. Variable O&M (\$/MWh):	(\$2020)	0.00	
h. K Factor:	NO CALCULATION		

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2020

(1) Plant Name and Unit Number:	TBD		
(2) Capacity			
a. Nameplate (MWac):	74.9		
b. Summer Firm (MWac):	42.7		
c. Winter Firm (MWac):	-		
(3) Technology Type:	PHOTOVOLTAIC		
(4) Anticipated Construction Timing			
a. Field construction start date:	5/2021		
b. Commercial in-service date:	01/2022	(EXPECTED)	
(5) Fuel			
a. Primary fuel:	SOLAR		
b. Alternate fuel:	N/A		
(6) Air Pollution Control Strategy:	N/A		
(7) Cooling Method:	N/A		
(8) Total Site Area:	~500-600 ACRES		
(9) Construction Status:	PLANNED		
(10) Certification Status:			
(11) Status with Federal Agencies:			
(12) Projected Unit Performance Data			
a. Planned Outage Factor (POF):		N/A	%
b. Forced Outage Factor (FOF):		N/A	%
c. Equivalent Availability Factor (EAF):		N/A	%
d. Resulting Capacity Factor (%):		~29	%
e. Average Net Operating Heat Rate (ANOHR):		N/A	BTU/kWh
(13) Projected Unit Financial Data			
a. Book Life (Years):		30	
b. Total Installed Cost (In-service year \$/kW):			
c. Direct Construction Cost (\$/kWac):	(\$2020)		
d. AFUDC Amount (\$/kW):			
e. Escalation (\$/kW):			
f. Fixed O&M (\$/kWdc-yr):	(\$2020)		
g. Variable O&M (\$/MWh):	(\$2020)	0.00	
h. K Factor:		NO CALCULATION	

DUKE ENERGY FLORIDA

SCHEDULE 9

STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2020

(1) Plant Name and Unit Number:	TBD		
(2) Capacity			
a. Nameplate (MWac):	74.9		
b. Summer Firm (MWac):	42.7		
c. Winter Firm (MWac):	-		
(3) Technology Type:	PHOTOVOLTAIC		
(4) Anticipated Construction Timing			
a. Field construction start date:	9/2022		
b. Commercial in-service date:	5/2023	(EXPECTED)	
(5) Fuel			
a. Primary fuel:	SOLAR		
b. Alternate fuel:	N/A		
(6) Air Pollution Control Strategy:	N/A		
(7) Cooling Method:	N/A		
(8) Total Site Area:	~500-600 ACRES		
(9) Construction Status:	PLANNED		
(10) Certification Status:			
(11) Status with Federal Agencies:			
(12) Projected Unit Performance Data			
a. Planned Outage Factor (POF):		N/A	%
b. Forced Outage Factor (FOF):		N/A	%
c. Equivalent Availability Factor (EAF):		N/A	%
d. Resulting Capacity Factor (%):		~29	%
e. Average Net Operating Heat Rate (ANOHR):		N/A	BTU/kWh
(13) Projected Unit Financial Data			
a. Book Life (Years):		30	
b. Total Installed Cost (In-service year \$/kW):			
c. Direct Construction Cost (\$/kWac):	(\$2020)		
d. AFUDC Amount (\$/kW):			
e. Escalation (\$/kW):			
f. Fixed O&M (\$/kWdc-yr):	(\$2020)		
g. Variable O&M (\$/MWh):	(\$2020)	0.00	
h. K Factor:		NO CALCULATION	

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2020

(1) Plant Name and Unit Number:	TBD		
(2) Capacity			
a. Nameplate (MWac):	74.9		
b. Summer Firm (MWac):	42.7		
c. Winter Firm (MWac):	-		
(3) Technology Type:	PHOTOVOLTAIC		
(4) Anticipated Construction Timing			
a. Field construction start date:	9/2022		
b. Commercial in-service date:	5/2023	(EXPECTED)	
(5) Fuel			
a. Primary fuel:	SOLAR		
b. Alternate fuel:	N/A		
(6) Air Pollution Control Strategy:	N/A		
(7) Cooling Method:	N/A		
(8) Total Site Area:	~500-600 ACRES		
(9) Construction Status:	PLANNED		
(10) Certification Status:			
(11) Status with Federal Agencies:			
(12) Projected Unit Performance Data			
a. Planned Outage Factor (POF):		N/A	%
b. Forced Outage Factor (FOF):		N/A	%
c. Equivalent Availability Factor (EAF):		N/A	%
d. Resulting Capacity Factor (%):		~29	%
e. Average Net Operating Heat Rate (ANOHR):		N/A	BTU/kWh
(13) Projected Unit Financial Data			
a. Book Life (Years):		30	
b. Total Installed Cost (In-service year \$/kW):			
c. Direct Construction Cost (\$/kWac):	(\$2020)		
d. AFUDC Amount (\$/kW):			
e. Escalation (\$/kW):			
f. Fixed O&M (\$/kWdc-yr):	(\$2020)		
g. Variable O&M (\$/MWh):	(\$2020)	0.00	
h. K Factor:		NO CALCULATION	

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2020

(1) Plant Name and Unit Number:	TBD		
(2) Capacity			
a. Nameplate (MWac):	74.9		
b. Summer Firm (MWac):	42.7		
c. Winter Firm (MWac):	-		
(3) Technology Type:	PHOTOVOLTAIC		
(4) Anticipated Construction Timing			
a. Field construction start date:	9/2023		
b. Commercial in-service date:	5/2024	(EXPECTED)	
(5) Fuel			
a. Primary fuel:	SOLAR		
b. Alternate fuel:	N/A		
(6) Air Pollution Control Strategy:	N/A		
(7) Cooling Method:	N/A		
(8) Total Site Area:	~500-600 ACRES		
(9) Construction Status:	PLANNED		
(10) Certification Status:			
(11) Status with Federal Agencies:			
(12) Projected Unit Performance Data			
a. Planned Outage Factor (POF):		N/A	%
b. Forced Outage Factor (FOF):		N/A	%
c. Equivalent Availability Factor (EAF):		N/A	%
d. Resulting Capacity Factor (%):		~29	%
e. Average Net Operating Heat Rate (ANOHR):		N/A	BTU/kWh
(13) Projected Unit Financial Data			
a. Book Life (Years):		30	
b. Total Installed Cost (In-service year \$/kW):			
c. Direct Construction Cost (\$/kWac):	(\$2020)		
d. AFUDC Amount (\$/kW):			
e. Escalation (\$/kW):			
f. Fixed O&M (\$/kWdc-yr):	(\$2020)		
g. Variable O&M (\$/MWh):	(\$2020)	0.00	
h. K Factor:		NO CALCULATION	

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2020

(1) Plant Name and Unit Number:	TBD		
(2) Capacity			
a. Nameplate (MWac):	74.9		
b. Summer Firm (MWac):	42.7		
c. Winter Firm (MWac):	-		
(3) Technology Type:	PHOTOVOLTAIC		
(4) Anticipated Construction Timing			
a. Field construction start date:	9/2023		
b. Commercial in-service date:	5/2024	(EXPECTED)	
(5) Fuel			
a. Primary fuel:	SOLAR		
b. Alternate fuel:	N/A		
(6) Air Pollution Control Strategy:	N/A		
(7) Cooling Method:	N/A		
(8) Total Site Area:	~500-600 ACRES		
(9) Construction Status:	PLANNED		
(10) Certification Status:			
(11) Status with Federal Agencies:			
(12) Projected Unit Performance Data			
a. Planned Outage Factor (POF):		N/A	%
b. Forced Outage Factor (FOF):		N/A	%
c. Equivalent Availability Factor (EAF):		N/A	%
d. Resulting Capacity Factor (%):		~29	%
e. Average Net Operating Heat Rate (ANOHR):		N/A	BTU/kWh
(13) Projected Unit Financial Data			
a. Book Life (Years):		30	
b. Total Installed Cost (In-service year \$/kW):			
c. Direct Construction Cost (\$/kWac):	(\$2020)		
d. AFUDC Amount (\$/kW):			
e. Escalation (\$/kW):			
f. Fixed O&M (\$/kWdc-yr):	(\$2020)		
g. Variable O&M (\$/MWh):	(\$2020)	0.00	
h. K Factor:		NO CALCULATION	

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2020

(1) Plant Name and Unit Number:	TBD		
(2) Capacity			
a. Nameplate (MWac):	74.9		
b. Summer Firm (MWac):	42.7		
c. Winter Firm (MWac):	-		
(3) Technology Type:	PHOTOVOLTAIC		
(4) Anticipated Construction Timing			
a. Field construction start date:	4/2025		
b. Commercial in-service date:	12/2025	(EXPECTED)	
(5) Fuel			
a. Primary fuel:	SOLAR		
b. Alternate fuel:	N/A		
(6) Air Pollution Control Strategy:	N/A		
(7) Cooling Method:	N/A		
(8) Total Site Area:	~500-600 ACRES		
(9) Construction Status:	PLANNED		
(10) Certification Status:			
(11) Status with Federal Agencies:			
(12) Projected Unit Performance Data			
a. Planned Outage Factor (POF):		N/A	%
b. Forced Outage Factor (FOF):		N/A	%
c. Equivalent Availability Factor (EAF):		N/A	%
d. Resulting Capacity Factor (%):		~29	%
e. Average Net Operating Heat Rate (ANOHR):		N/A	BTU/kWh
(13) Projected Unit Financial Data			
a. Book Life (Years):		30	
b. Total Installed Cost (In-service year \$/kW):			
c. Direct Construction Cost (\$/kWac):	(\$2020)		
d. AFUDC Amount (\$/kW):			
e. Escalation (\$/kW):			
f. Fixed O&M (\$/kWdc-yr):	(\$2020)		
g. Variable O&M (\$/MWh):	(\$2020)	0.00	
h. K Factor:	NO CALCULATION		

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2020

(1) Plant Name and Unit Number:	TBD		
(2) Capacity			
a. Nameplate (MWac):	74.9		
b. Summer Firm (MWac):	42.7		
c. Winter Firm (MWac):	-		
(3) Technology Type:	PHOTOVOLTAIC		
(4) Anticipated Construction Timing			
a. Field construction start date:	4/2025		
b. Commercial in-service date:	12/2025	(EXPECTED)	
(5) Fuel			
a. Primary fuel:	SOLAR		
b. Alternate fuel:	N/A		
(6) Air Pollution Control Strategy:	N/A		
(7) Cooling Method:	N/A		
(8) Total Site Area:	~500-600 ACRES		
(9) Construction Status:	PLANNED		
(10) Certification Status:			
(11) Status with Federal Agencies:			
(12) Projected Unit Performance Data			
a. Planned Outage Factor (POF):		N/A	%
b. Forced Outage Factor (FOF):		N/A	%
c. Equivalent Availability Factor (EAF):		N/A	%
d. Resulting Capacity Factor (%):		~29	%
e. Average Net Operating Heat Rate (ANOHR):		N/A	BTU/kWh
(13) Projected Unit Financial Data			
a. Book Life (Years):		30	
b. Total Installed Cost (In-service year \$/kW):			
c. Direct Construction Cost (\$/kWac):	(\$2020)		
d. AFUDC Amount (\$/kW):			
e. Escalation (\$/kW):			
f. Fixed O&M (\$/kWdc-yr):	(\$2020)		
g. Variable O&M (\$/MWh):	(\$2020)	0.00	
h. K Factor:	NO CALCULATION		

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2020

(1) Plant Name and Unit Number:	TBD		
(2) Capacity			
a. Nameplate (MWac):	74.9		
b. Summer Firm (MWac):	42.7		
c. Winter Firm (MWac):	-		
(3) Technology Type:	PHOTOVOLTAIC		
(4) Anticipated Construction Timing			
a. Field construction start date:	4/2026		
b. Commercial in-service date:	12/2026	(EXPECTED)	
(5) Fuel			
a. Primary fuel:	SOLAR		
b. Alternate fuel:	N/A		
(6) Air Pollution Control Strategy:	N/A		
(7) Cooling Method:	N/A		
(8) Total Site Area:	~500-600 ACRES		
(9) Construction Status:	PLANNED		
(10) Certification Status:			
(11) Status with Federal Agencies:			
(12) Projected Unit Performance Data			
a. Planned Outage Factor (POF):		N/A	%
b. Forced Outage Factor (FOF):		N/A	%
c. Equivalent Availability Factor (EAF):		N/A	%
d. Resulting Capacity Factor (%):		~29	%
e. Average Net Operating Heat Rate (ANOHR):		N/A	BTU/kWh
(13) Projected Unit Financial Data			
a. Book Life (Years):		30	
b. Total Installed Cost (In-service year \$/kW):			
c. Direct Construction Cost (\$/kWac):	(\$2020)		
d. AFUDC Amount (\$/kW):			
e. Escalation (\$/kW):			
f. Fixed O&M (\$/kWdc-yr):	(\$2020)		
g. Variable O&M (\$/MWh):	(\$2020)	0.00	
h. K Factor:	NO CALCULATION		

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2020

(1) Plant Name and Unit Number:	Undesignated CT P1	
(2) Capacity		
a. Summer (MWs):	226	
b. Winter (MWs):	240	
(3) Technology Type:	COMBUSTION TURBINE	
(4) Anticipated Construction Timing		
a. Field construction start date:	1/2025	
b. Commercial in-service date:	6/2027	(EXPECTED)
(5) Fuel		
a. Primary fuel:	NATURAL GAS	
b. Alternate fuel:	DISTILLATE FUEL OIL	
(6) Air Pollution Control Strategy:	Dry Low Nox Combustion	
(7) Cooling Method:	N/A	
(8) Total Site Area:	UNKNOWN	
(9) Construction Status:	PLANNED	
(10) Certification Status:	PLANNED	
(11) Status with Federal Agencies:	PLANNED	
(12) Projected Unit Performance Data		
a. Planned Outage Factor (POF):		3.00 %
b. Forced Outage Factor (FOF):		2.00 %
c. Equivalent Availability Factor (EAF):		95.06 %
d. Resulting Capacity Factor (%):		18.6 %
e. Average Net Operating Heat Rate (ANOHR):		10,621 BTU/kWh
(13) Projected Unit Financial Data		
a. Book Life (Years):		35
b. Total Installed Cost (In-service year \$/kW):		647.4
c. Direct Construction Cost (\$/kW):	(\$2020)	562.2
d. AFUDC Amount (\$/kW):		35.3
e. Escalation (\$/kW):		49.9
f. Fixed O&M (\$/kW-yr):	(\$2020)	1.64
g. Variable O&M (\$/MWh):	(\$2020)	7.26
h. K Factor:	NO CALCULATION	

NOTES

Total Installed Cost includes gas expansion, transmission interconnection and integration

\$/kW values are based on Summer capacity
 Fixed O&M cost does not include firm gas transportation costs

DUKE ENERGY FLORIDA

SCHEDULE 9
 STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
 AS OF JANUARY 1, 2020

(1) Plant Name and Unit Number:	TBD		
(2) Capacity			
a. Nameplate (MWac):	74.9		
b. Summer Firm (MWac):	42.7		
c. Winter Firm (MWac):	-		
(3) Technology Type:	PHOTOVOLTAIC		
(4) Anticipated Construction Timing			
a. Field construction start date:	4/2027		
b. Commercial in-service date:	12/2027	(EXPECTED)	
(5) Fuel			
a. Primary fuel:	SOLAR		
b. Alternate fuel:	N/A		
(6) Air Pollution Control Strategy:	N/A		
(7) Cooling Method:	N/A		
(8) Total Site Area:	~500-600 ACRES		
(9) Construction Status:	PLANNED		
(10) Certification Status:			
(11) Status with Federal Agencies:			
(12) Projected Unit Performance Data			
a. Planned Outage Factor (POF):		N/A	%
b. Forced Outage Factor (FOF):		N/A	%
c. Equivalent Availability Factor (EAF):		N/A	%
d. Resulting Capacity Factor (%):		~29	%
e. Average Net Operating Heat Rate (ANOHR):		N/A	BTU/kWh
(13) Projected Unit Financial Data			
a. Book Life (Years):		30	
b. Total Installed Cost (In-service year \$/kW):			
c. Direct Construction Cost (\$/kWac):	(\$2020)		
d. AFUDC Amount (\$/kW):			
e. Escalation (\$/kW):			
f. Fixed O&M (\$/kWdc-yr):	(\$2020)		
g. Variable O&M (\$/MWh):	(\$2020)	0.00	

h. K Factor: NO CALCULATION

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2020

(1) Plant Name and Unit Number:	TBD		
(2) Capacity			
a. Nameplate (MWac):	74.9		
b. Summer Firm (MWac):	42.7		
c. Winter Firm (MWac):	-		
(3) Technology Type:	PHOTOVOLTAIC		
(4) Anticipated Construction Timing			
a. Field construction start date:	4/2028		
b. Commercial in-service date:	12/2028	(EXPECTED)	
(5) Fuel			
a. Primary fuel:	SOLAR		
b. Alternate fuel:	N/A		
(6) Air Pollution Control Strategy:	N/A		
(7) Cooling Method:	N/A		
(8) Total Site Area:	~500-600 ACRES		
(9) Construction Status:	PLANNED		
(10) Certification Status:			
(11) Status with Federal Agencies:			
(12) Projected Unit Performance Data			
a. Planned Outage Factor (POF):		N/A %	
b. Forced Outage Factor (FOF):		N/A %	
c. Equivalent Availability Factor (EAF):		N/A %	
d. Resulting Capacity Factor (%):		~29 %	
e. Average Net Operating Heat Rate (ANOHR):		N/A BTU/kWh	
(13) Projected Unit Financial Data			
a. Book Life (Years):		30	
b. Total Installed Cost (In-service year \$/kW):			
c. Direct Construction Cost (\$/kWac):	(\$2020)		
d. AFUDC Amount (\$/kW):			
e. Escalation (\$/kW):			
f. Fixed O&M (\$/kWdc-yr):	(\$2020)		
g. Variable O&M (\$/MWh):	(\$2020)	0.00	
h. K Factor:	NO CALCULATION		

DUKE ENERGY FLORIDA

SCHEDULE 9

STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES

AS OF JANUARY 1, 2020

(1) Plant Name and Unit Number:	Undesignated CT P2		
(2) Capacity			
a. Summer (MWs):	226		
b. Winter (MWs):	240		
(3) Technology Type:	COMBUSTION TURBINE		
(4) Anticipated Construction Timing			
a. Field construction start date:	1/2027		
b. Commercial in-service date:	6/2029	(EXPECTED)	
(5) Fuel			
a. Primary fuel:	NATURAL GAS		
b. Alternate fuel:	DISTILLATE FUEL OIL		
(6) Air Pollution Control Strategy:	Dry Low Nox Combustion		
(7) Cooling Method:	N/A		
(8) Total Site Area:	UNKNOWN		
(9) Construction Status:	PLANNED		
(10) Certification Status:	PLANNED		
(11) Status with Federal Agencies:	PLANNED		
(12) Projected Unit Performance Data			
a. Planned Outage Factor (POF):		3.00 %	
b. Forced Outage Factor (FOF):		2.00 %	
c. Equivalent Availability Factor (EAF):		95.06 %	
d. Resulting Capacity Factor (%):		18.6 %	
e. Average Net Operating Heat Rate (ANOHR):		10,621 BTU/kWh	
(13) Projected Unit Financial Data			
a. Book Life (Years):		35	
b. Total Installed Cost (In-service year \$/kW):		665.3	
c. Direct Construction Cost (\$/kW):	(\$2020)	562.2	
d. AFUDC Amount (\$/kW):		36.3	
e. Escalation (\$/kW):		66.8	
f. Fixed O&M (\$/kW-yr):	(\$2020)	1.64	
g. Variable O&M (\$/MWh):	(\$2020)	7.26	
h. K Factor:		NO CALCULATION	

NOTES

Total Installed Cost includes gas expansion, transmission interconnection and integration
 \$/kW values are based on Summer capacity
 Fixed O&M cost does not include firm gas transportation costs

DUKE ENERGY FLORIDA

SCHEDULE 9

STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
 AS OF JANUARY 1, 2020

(1) Plant Name and Unit Number:	TBD		
(2) Capacity			
a. Nameplate (MWac):	74.9		
b. Summer Firm (MWac):	42.7		
c. Winter Firm (MWac):	-		
(3) Technology Type:	PHOTOVOLTAIC		
(4) Anticipated Construction Timing			
a. Field construction start date:	4/2029		
b. Commercial in-service date:	12/2029	(EXPECTED)	
(5) Fuel			
a. Primary fuel:	SOLAR		
b. Alternate fuel:	N/A		
(6) Air Pollution Control Strategy:	N/A		
(7) Cooling Method:	N/A		
(8) Total Site Area:	~500-600 ACRES		
(9) Construction Status:	PLANNED		
(10) Certification Status:			
(11) Status with Federal Agencies:			
(12) Projected Unit Performance Data			
a. Planned Outage Factor (POF):		N/A	%
b. Forced Outage Factor (FOF):		N/A	%
c. Equivalent Availability Factor (EAF):		N/A	%
d. Resulting Capacity Factor (%):		~29	%
e. Average Net Operating Heat Rate (ANOHR):		N/A	BTU/kWh
(13) Projected Unit Financial Data			
a. Book Life (Years):		30	
b. Total Installed Cost (In-service year \$/kW):			
c. Direct Construction Cost (\$/kWac):	(\$2020)		
d. AFUDC Amount (\$/kW):			
e. Escalation (\$/kW):			
f. Fixed O&M (\$/kWdc-yr):	(\$2020)		

g. Variable O&M (\$/MWh): (\$2020) 0.00
h. K Factor: NO CALCULATION

DUKE ENERGY FLORIDA

SCHEDULE 10

STATUS REPORT AND SPECIFICATIONS OF PROPOSED DIRECTLY ASSOCIATED TRANSMISSION LINES

OSPREY

- (1) POINT OF ORIGIN AND TERMINATION: Kathleen - Osprey - Haines City East
- (2) NUMBER OF LINES: 1
- (3) RIGHT-OF-WAY: New transmission line right-of-way
- (4) LINE LENGTH: 50 miles
- (5) VOLTAGE: 230 kV
- (6) ANTICIPATED CONSTRUCTION TIMING: 6/1/2024
- (7) ANTICIPATED CAPITAL INVESTMENT: \$150,000,000
- (8) SUBSTATIONS: Kathleen, Osprey, Haines City East
- (9) PARTICIPATION WITH OTHER UTILITIES: N/A

TABLE 3.1**DUKE ENERGY FLORIDA****TOTAL CAPACITY RESOURCES OF
POWER PLANTS AND PURCHASED POWER CONTRACTS****AS OF DECEMBER 31, 2019**

PLANTS	SUMMER NET DEPENDABLE CAPABILITY (MW)
Fossil Steam	2,425
Combined Cycle	5,266
Combustion Turbine	2092
Solar	119
Total Net Dependable Generating Capability	9,902
Dependable Purchased Power	1,956
Firm Qualifying Facility Contracts (412 MW)	
Investor Owned Utilities (424 MW)	
Independent Power Producers (1,120 MW)	
TOTAL DEPENDABLE CAPACITY RESOURCES	11,858

TABLE 3.2

**DUKE ENERGY FLORIDA
FIRM RENEWABLES
AND COGENERATION CONTRACTS**

AS OF DECEMBER 31, 2019

Facility Name	Firm Capacity (MW)
Mulberry	115
Orange Cogen (CFR-Biogen)	104
Orlando Cogen	115
Pasco County Resource Recovery	23
Pinellas County Resource Recovery 1	40
Pinellas County Resource Recovery 2	14.8