

Ten-Year Site Plan Summary

Duke Energy Florida



Customer Forecast

	2021 TYSP			2022 TYSP		
Year	Residential Customers	Commercial Customers	Industrial Customers	Residential Customers	Commercial Customers	Industrial Customers
2019	1,626,117	178,036	2,025	-	-	-
2020	1,655,304	179,666	1,999	1,655,304	179,666	1,999
2021	1,682,265	181,777	1,978	1,687,471	182,195	1,978
2022	1,709,959	183,968	1,959	1,722,408	184,713	1,959
2023	1,736,887	186,103	1,942	1,757,167	187,182	1,942
2024	1,763,050	188,182	1,930	1,791,863	189,507	1,930
2025	1,788,610	190,217	1,919	1,826,504	191,767	1,919
2026	1,813,508	192,203	1,907	1,860,055	193,922	1,907
2027	1,837,648	194,134	1,895	1,891,688	195,961	1,895
2028	1,860,993	196,007	1,883	1,921,503	197,879	1,883
2029	1,883,517	197,819	1,871	1,949,459	199,674	1,871
2030	1,905,195	199,569	1,865	1,976,011	201,375	1,865
2031	-	-	-	2,001,219	202,988	1,865
Average Annual Growth Rate (%)	1.4	1.1	-0.7	1.8	1.1	-0.7

Source: Schedule 2.1.1 and 2.2.1

Other Forecast Values

2021 TYSP

Metric	2020 Starting Value (Actual)	2021 Starting Value (Forecast)	Average Annual Growth Rate (%) (1)
Summer Peak Demand (MW)	9,647	9,434	0.3 / 0.5
Winter Peak Demand (MW)	8,407	9,376	1.8 / 0.8
Net Energy for Load (GWh)	44,814	43,103	0.4 / 0.8
Natural Gas (\$/MMBtu)	3.37	3.10	4.1 / 5.6

2022 TYSP

Metric	2021 Starting Value (Actual)	2022 Starting Value (Forecast)	Average Annual Growth Rate (%) (1)
Summer Peak Demand (MW)	9,681	9,650	0.0 / 0.0
Winter Peak Demand (MW)	8,308	9,938	1.7 / -0.1
Net Energy for Load (GWh)	45,064	43,440	0.0 / 0.4
Natural Gas (\$/MMBtu)	5.28	4.43	-3.1 / -1.6

Note:

- 1) DEF has presented the growth rates using both the actual and first projected values as starting point. Since actual values are not calculated using the same methodology as projections, DEF generally states growth rates from the first projected value. Values are growth from actual/projected.

Generation Additions

		2021 TYSP	2022 TYSP
Year	Type	MW ⁽¹⁾	MW
2021	PV	171	
	CC	0	
	CT	0	
	Other ⁽²⁾	(1)	
	Retirements	0	
	Total	170	
2022	PV	129	171
	CC	0	0
	CT	0	0
	Other	(1)	(1)
	Retirements	0	0
	Total	128	170
2023	PV	171	171
	CC	0	0
	CT	0	0
	Other	(117)	(117)
	Retirements	0	0
	Total	54	54
2024	PV	171	208
	CC	337	337
	CT	0	
	Other	(679)	(679)
	Retirements	0	
	Total	(170)	(134)

Note:

- 1) All values shown are summer firm MW.
- 2) "Other" includes solar degradation and expiration of purchased power contracts.

Generation Additions

		2021 TYSP	2022 TYSP
<u>Year</u>	<u>Type</u>	<u>MW</u>	<u>MW</u>
2025	PV	38	75
	CC	0	0
	CT	0	0
	Other	(108)	(108)
	Retirements	(171)	(171)
	Total	(241)	(204)
2026	PV	38	75
	CC	0	0
	CT	0	0
	Other	(4)	(5)
	Retirements	0	0
	Total	34	70
2027	PV	19	75
	CC	0	0
	CT	214	0
	Other	(658)	(658)
	Retirements	(372)	(372)
	Total	(797)	(956)
2028	PV	19	75
	CC	0	0
	CT	0	0
	Other	(4)	(5)
	Retirements	0	0
	Total	15	70

Note:

- 1) All values shown are summer firm MW.
- 2) "Other" includes solar degradation and expiration of purchased power contracts.

Generation Additions

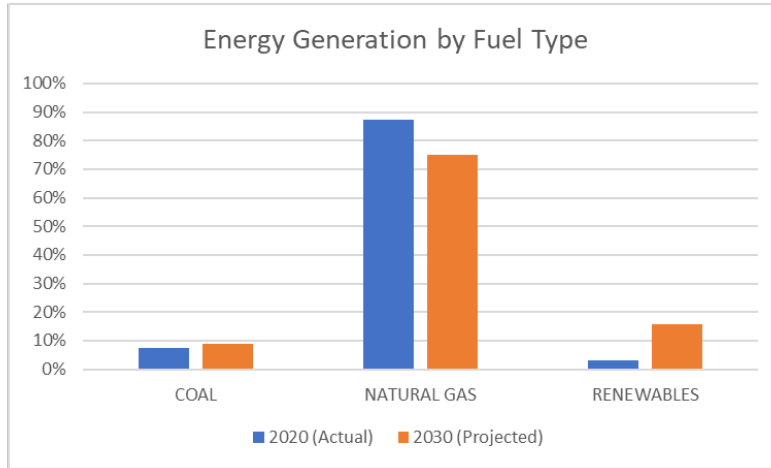
		2021 TYSP	2022 TYSP
Year	Type	MW	MW
2029	PV	19	38
	CC	0	0
	CT	214	214
	Other	(5)	(6)
	Retirements	0	0
	Total	228	246
2030	PV	45	38
	CC	0	00
	CT	0	0
	Other	(5)	(6)
	Retirements	0	0
	Total	40	32
2031	PV	-	38
	CC	-	0
	CT	-	0
	Other	-	(6)
	Retirements	-	0
	Total	-	32

Note:

- 1) All values shown are summer firm MW.
- 2) "Other" includes solar degradation and expiration of purchased power contracts.

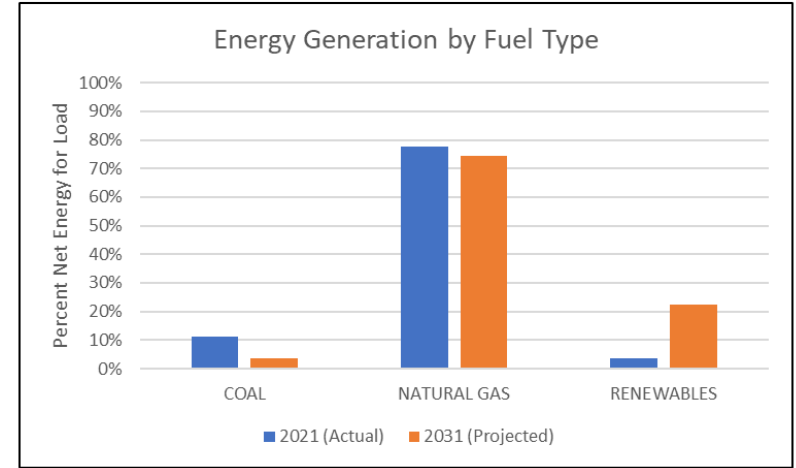
Energy Generation By Fuel Type

2021 TYSP



*Purchased Power Included by Fuel Type

2022 TYSP



*Purchased Power Included by Fuel Type

Summer Reserve Margins

	2021 TYSP		2022 TYSP	
Year	Reserve Margin (MW)	% of Peak	Reserve Margin (MW)	% of Peak
2021	2930	34%		
2022	2642	29%	2,844	32%
2023	3145	36%	3,250	38%
2024	2961	33%	2,794	32%
2025	2914	33%	3,183	38%
2026	2676	31%	2,930	34%
2027	1874	21%	1,978	23%
2028	1752	20%	1,919	22%
2029	1908	21%	2,098	24%
2030	1885	21%	2,065	23%
2031	-	-	2,033	23%

Winter Reserve Margins

	2021 TYSP		2022 TYSP	
Year	Reserve Margin (MW)	% of Peak	Reserve Margin (MW)	% of Peak
20/21	4750	58%		
21/22	3147	34%	3,644	42%
22/23	3416	37%	3,399	38%
23/24	3181	34%	3,216	35%
24/25	2996	33%	3,034	34%
25/26	2548	28%	2,657	30%
26/27	2483	27%	2,598	29%
27/28	2053	24%	1,973	23%
28/29	1989	23%	1,916	22%
29/30	2171	25%	2,115	25%
30/31	-	-	2,088	24%

