

Duke Energy Florida Ten-Year Site Plan Comparison

September 12, 2023

Customer, Demand, & Fuel Forecasts

2022 TYSP

Metric	2021 Starting Value	Average Annual Growth Rate (%)
Residential Customers	1,687,471	1.8%
Commercial Customers	182,195	1.1%
Industrial Customers	1,978	-0.7%
Summer Peak Demand (MW)	9,681	0.0%
Retail Summer Peak (MW)	8,671	1.3%
Winter Peak Demand (MW)	8,308	-0.1%
Net Energy for Load (GWh)	45,064	0.0%
Natural Gas (\$/MMBtu)	5.28	-3.1%

2023 TYSP

Metric	2022 Starting Value	Average Annual Growth Rate (%)
Residential Customers	1,719,905	2.0%
Commercial Customers	184,453	1.4%
Industrial Customers	1,868	-0.5%
Summer Peak Demand (MW)	9,977	0.2%
Retail Summer Peak (MW)	8,932	0.9%
Winter Peak Demand (MW)	9,240	0.8%
Net Energy for Load (GWh)	46,141	-0.3%
Natural Gas (\$/MMBtu)	8.50	-4.6%

Generation Additions

	Type	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
2022 TYSP	Solar	171	171	208	75	75	75	75	38	38	38		964
	Batteries												0
	Natural Gas			337					214				551
	Other	-1	-117	-679	-108	-5	-658	-5	-6	-6	-6		-1591
	Retirements				-171		-372						-543
	Net Total	170	54	-134	-204	70	-956	70	246	32	32		-619
2023 TYSP	Solar		171	128	155	75	37	37	47	56	66	56	828
	Batteries						90					135	225
	Natural Gas		16	451	109	87	52						715
	Other		-2	-600	-197	-109	-662	-5	-5	-6	-6	-6	-1597
	Retirements				-171		-353						-524
	Net Total		184	-21	-104	53	-835	32	42	51	60	185	-353

Summer Reserve Margins

	2022 TYSP		2023 TYSP	
Year	Reserve Margin (MW)	Reserve Margin (% of Peak)	Reserve Margin (MW)	Reserve Margin (% of Peak)
2022	2,844	32%	-	-
2023	3,250	38%	3,754	43%
2024	2,794	32%	2,473	28%
2025	3,183	38%	3,139	36%
2026	2,930	34%	2,883	33%
2027	1,978	23%	2,024	23%
2028	1,919	22%	2,000	22%
2029	2,098	24%	1,946	22%
2030	2,065	23%	1,879	21%
2031	2,033	23%	1,852	20%
2032	-	-	1,866	20%

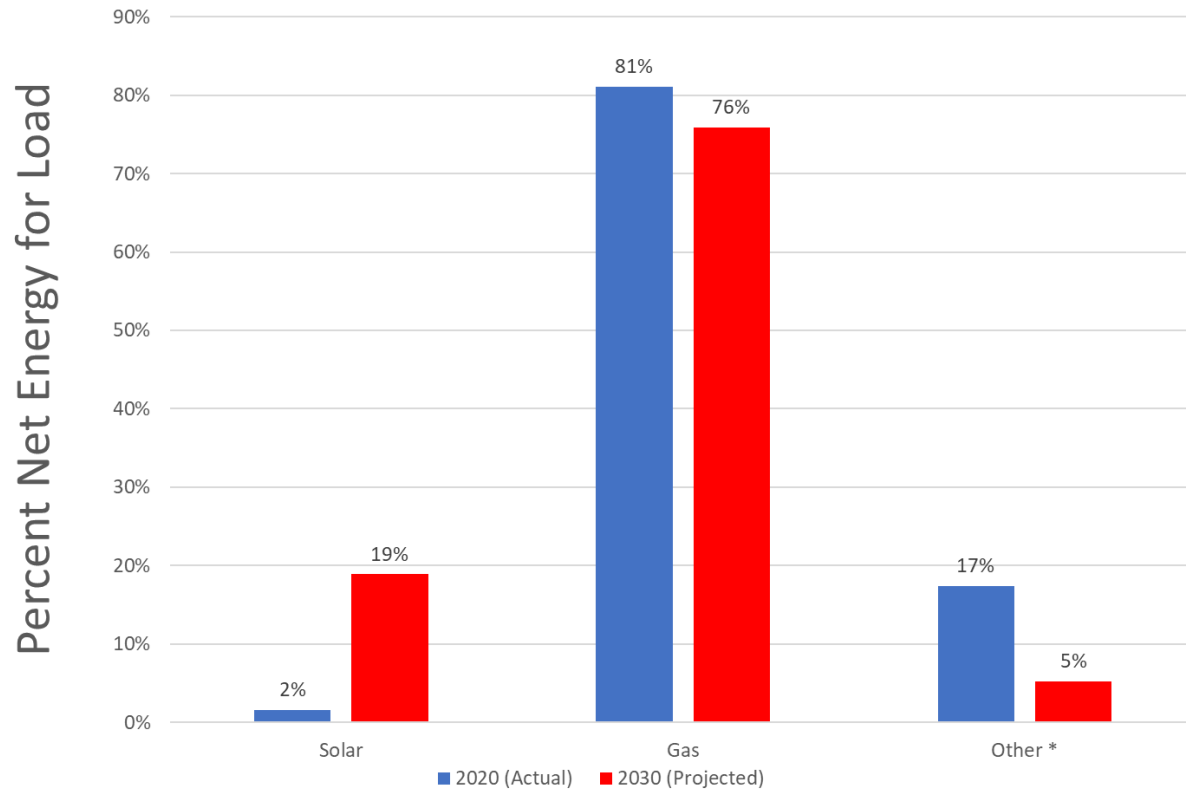
Winter Reserve Margins

	2022 TYSP		2023 TYSP	
Year	Reserve Margin (MW)	Reserve Margin (% of Peak)	Reserve Margin (MW)	Reserve Margin (% of Peak)
21/22	3,644	42%	-	-
22/23	3,399	38%	4,155	51%
23/24	3,216	35%	3,081	34%
24/25	3,034	34%	3,074	34%
25/26	2,657	30%	2,828	31%
26/27	2,598	29%	2,980	33%
27/28	1,973	23%	2,465	29%
28/29	1,916	22%	2,398	28%
29/30	2,115	25%	2,376	28%
30/31	2,088	24%	2,388	28%
31/32	-	-	2,327	27%

Energy Generation by Fuel Type

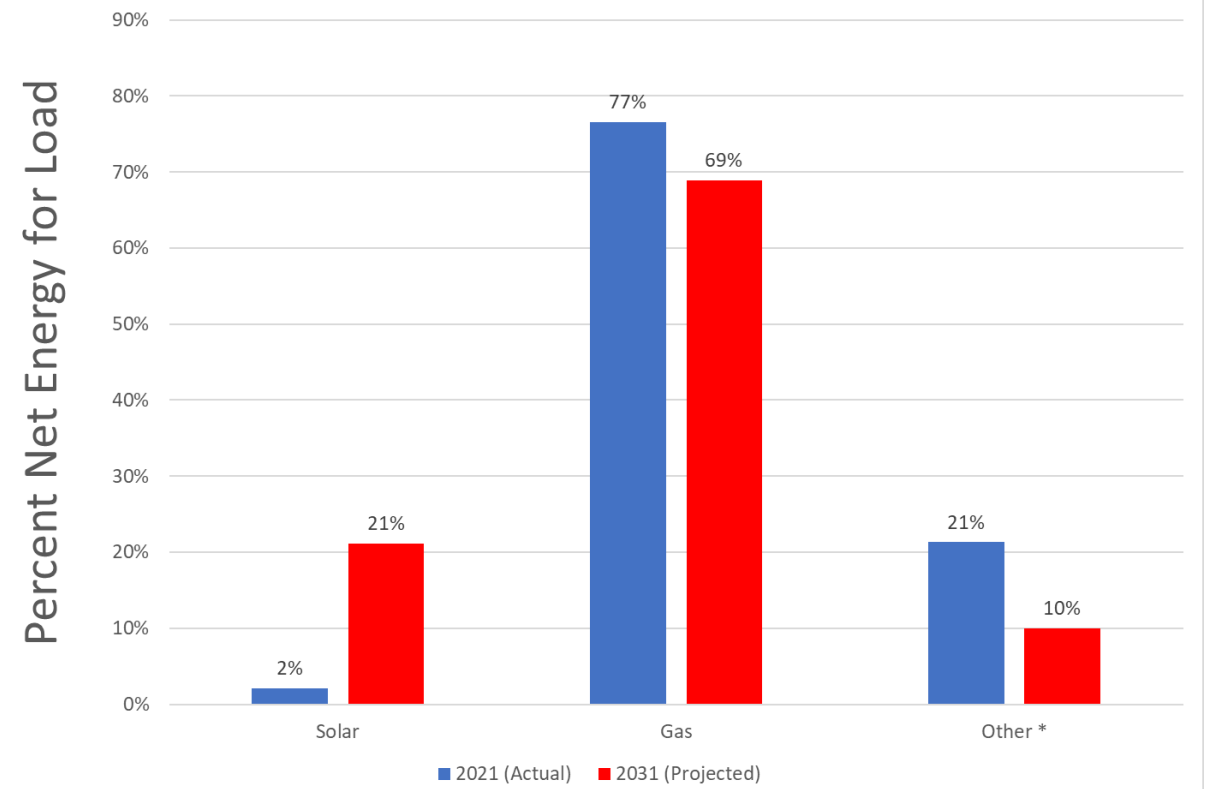
2022 TYSP

Energy Generation by Fuel Type



2023 TYSP

Energy Generation by Fuel Type



*Includes Coal, Nuclear, Oil, and Purchased Power Contracts

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