

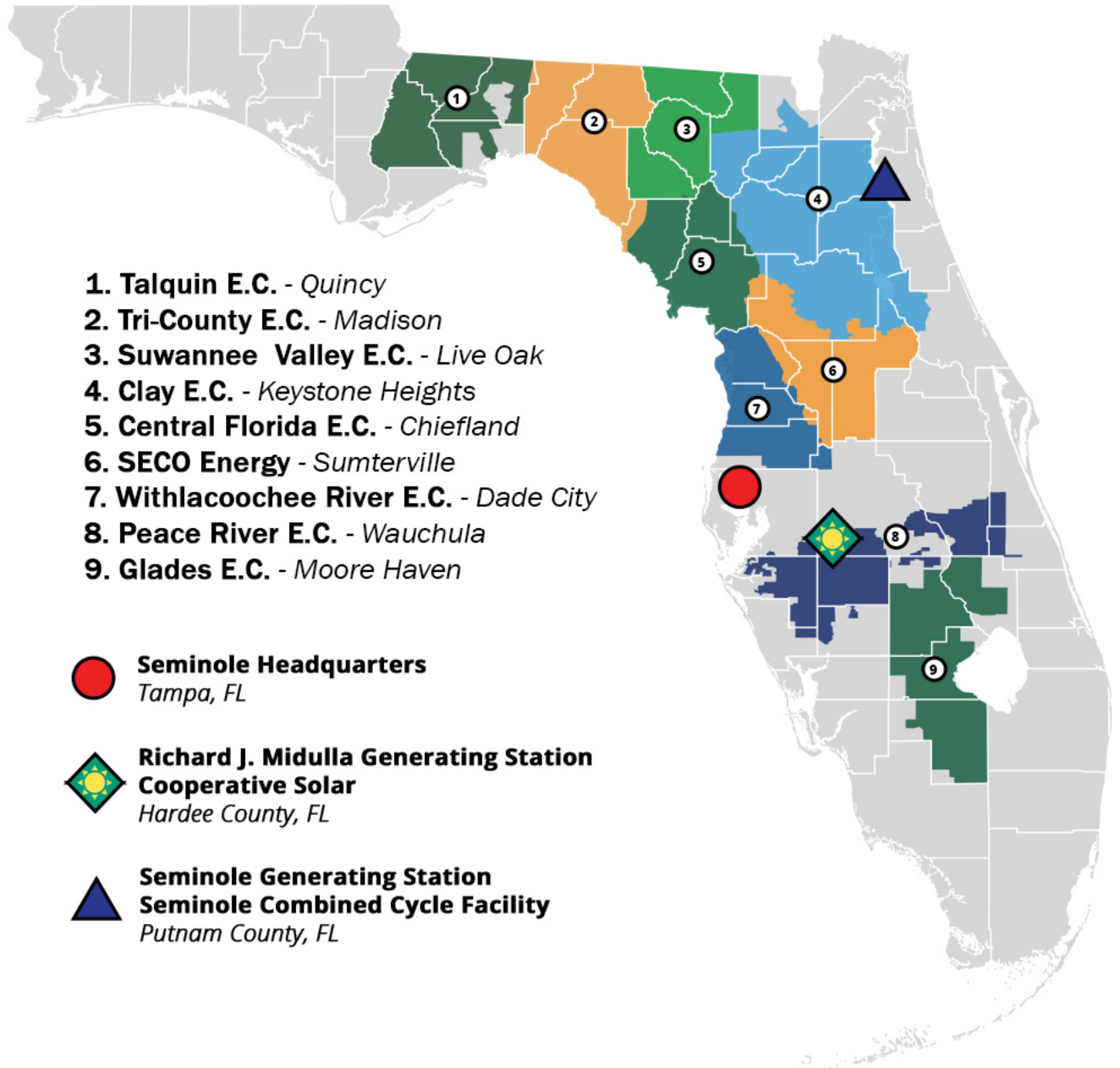
# Ten-Year Site Plan Comparison

2023



# SEMINOLE'S MEMBER ELECTRIC COOPERATIVES

Seminole Electric Cooperative (Seminole) is a not-for-profit generation and transmission (G&T) cooperative that serves nine distribution electric cooperatives in Florida. Combined, Seminole's Members serve 1.9 million people and businesses in 42 of Florida's 67 counties, making Seminole one of the largest G&T electric cooperatives in the country.



# Generating Resources



**Seminole Combined Cycle Facility (SCCF)**  
1,179 MW natural gas facility.



**Midulla Generating Station (MGS)**  
949 MW natural gas facility.



**Seminole Generating Station (SGS)**  
1,472 MW from two coal-fired units.\*



**Cooperative Solar**  
2.2 MW of solar power.  
  
More than 300 MW of additional solar resources planned for 2025 and beyond.



**Transmission**  
Seminole owns and maintains more than 350 miles of transmission line. Seminole serves approximately 90 percent of its Member load using the transmission systems of other utilities under Open Access Transmission Tariffs.

Based on nameplate capacity ratings.

\*In 2023, one of the SGS coal-fired units will be retired.

# Customer, Demand, & Fuel Forecasts

## 2022 TYSP

Metric	2021 Starting Value	Average Annual Growth Rate (%)
Residential Customers	751,351	1.4%
Commercial & Industrial Customers	84,037	1.3%
Other Customers*	5,888	0.1%
Summer Peak Demand (MW)	3,435	0.9%
Winter '20-'21 Peak Demand (MW)	3,546	1.0%
Net Energy for Load (GWh)	15,541	1.3%
Natural Gas (\$/MMBtu)	3.69	-0.50%

## 2023 TYSP

Metric	2022 Starting Value	Average Annual Growth Rate (%)
Residential Customers	770,526	1.3%
Commercial & Industrial Customers	88,776	1.3%
Other Customers*	5,979	0.2%
Summer Peak Demand (MW)	3,648	1.0%
Winter '21-'22 Peak Demand (MW)	3,915	0.5%
Net Energy for Load (GWh)	16,330	1.2%
Natural Gas (\$/MMBtu)	6.39	-0.73%**

Source: Schedules 2.1, 2.2, 2.3, 3.1, 3.2, 3.3; Section 5.3.3

\*Other Customers = e.g., streetlighting, government authorities, etc.

\*\* Reflects a 33% price drop from 2022 actual to forecasted rates  
Future years' average annual growth rate is 2.53%

# Generation Additions (Nameplate) including Solar Purchased Power

	Type	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
2022 TYSP	Solar		298										298
	Batteries												-
	Natural Gas	1,179			621		358						2,158
	Other												-
	Retirements	(736)											(736)
	<b>Net Total</b>	<b>443</b>	<b>298</b>	<b>-</b>	<b>621</b>	<b>-</b>	<b>358</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
2023 TYSP	Solar			298									298
	Batteries												-
	Natural Gas		1,179		621		358			358		621	3,137
	Other												-
	Retirements		(736)										(736)
	<b>Net Total</b>	<b>443</b>	<b>443</b>	<b>298</b>	<b>621</b>	<b>-</b>	<b>358</b>	<b>-</b>	<b>-</b>	<b>358</b>	<b>-</b>	<b>621</b>	<b>2,699</b>

Source: Schedule 8 and Table 1.2 of the Ten-Year Site Plan

Note: Midulla Generating Station is performing a steam turbine upgrade in the fall of 2023, which will result in an increase to the summer and winter capacity ratings; however, the nameplate rating of the generator remains unchanged.

# Summer Reserve Margins

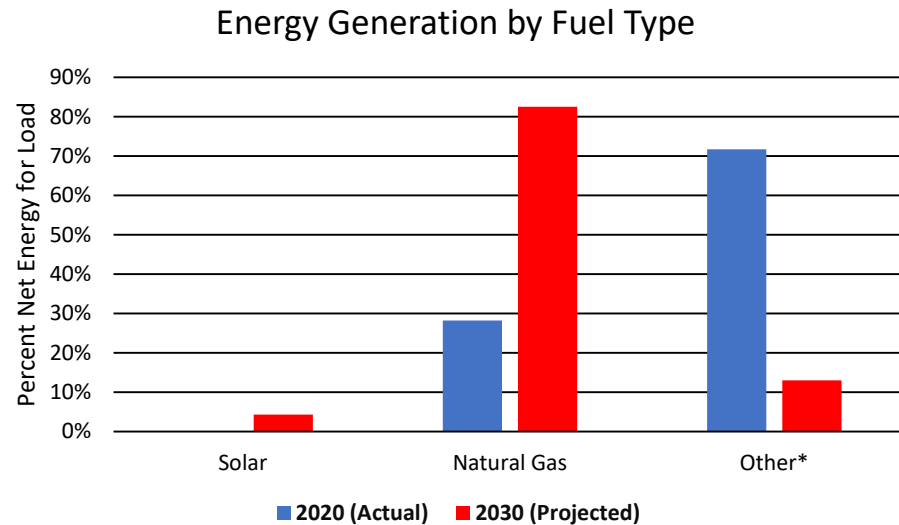
Year	2022 TYSP		2023 TYSP	
	Reserve Margin (MW)	Reserve Margin (% of Peak)	Reserve Margin (MW)	Reserve Margin (% of Peak)
2022	511	15%	-	-
2023	727	22%	735	21%
2024	677	20%	748	21%
2025	675	20%	753	21%
2026	681	20%	758	21%
2027	679	20%	763	21%
2028	932	27%	769	21%
2029	901	25%	773	21%
2030	875	25%	778	21%
2031	803	22%	831	22%
2032	-	-	853	22%

# Winter Reserve Margins

Year	2022 TYSP		2023 TYSP	
	Reserve Margin (MW)	Reserve Margin (% of Peak)	Reserve Margin (MW)	Reserve Margin (% of Peak)
22/23	766	21%	-	-
23/24	734	20%	946	25%
24/25	692	18%	875	23%
25/26	751	20%	834	22%
26/27	737	19%	842	22%
27/28	743	19%	803	20%
28/29	749	19%	807	20%
29/30	754	19%	815	20%
30/31	758	19%	842	21%
31/32	762	19%	865	21%
31/32	-	-	1463	36%

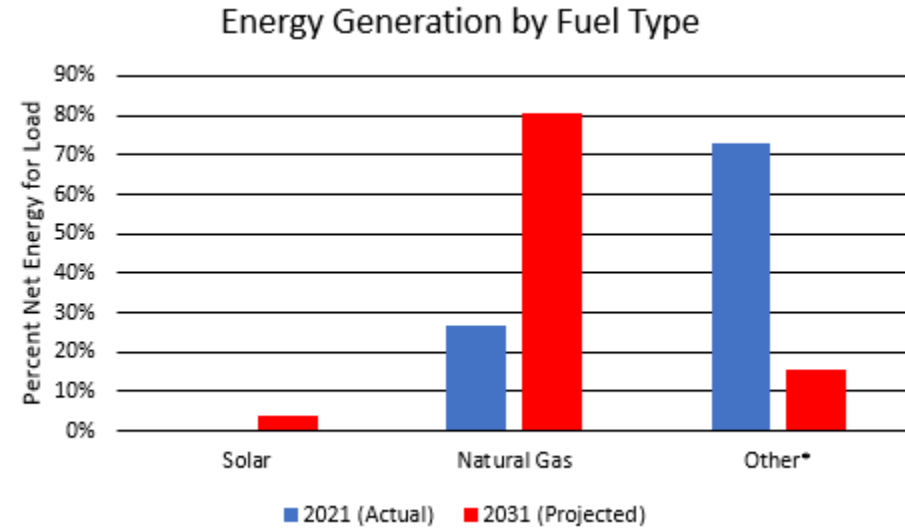
# Energy Generation by Fuel Type

## 2022 TYSP



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

## 2023 TYSP



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