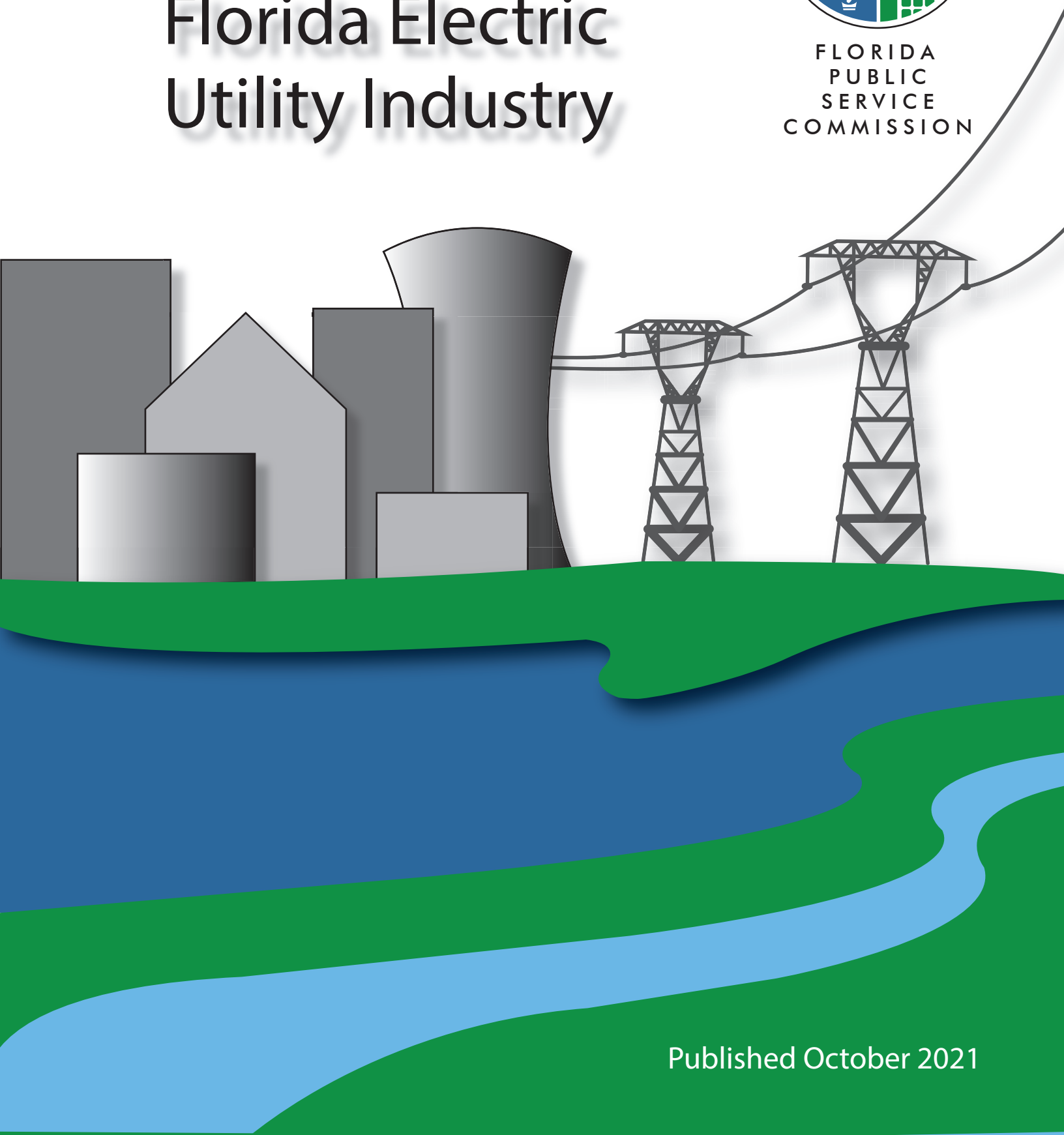
STATISTICS OF THE

Florida Electric Utility Industry

FLORIDA PUBLIC SERVICE COMMISSION



Published October 2021

Statistics of the
Florida Electric Utility Industry
2020

In partial fulfillment of Section 377.703, Florida Statutes, this publication provides a single comprehensive source of statistics on Florida's electric utility industry. Information was compiled from various sources: filings made with, and reports prepared by, the Florida Public Service Commission; the Florida Reliability Coordinating Council (FRCC); the Office of Economic & Demographic Research; the U.S. Census Bureau; the U.S. Government Publishing Office; the U.S. Department of Labor; and data provided by the Florida electric utilities. The Florida Public Service Commission has not audited the data for accuracy.

This report was compiled by the Florida Public Service Commission
Office of Industry Development and Market Analysis

Contents

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Acronyms, Abbreviations, and Formulas

The following acronyms, abbreviations, and formulas are used in this report:

AFUDC	Allowance for Funds Used During Construction
AC	Alternating Current
EIA	Energy Information Administration
EEI	Edison Electric Institute
FCG	Florida Electric Power Coordinating Group, Inc.
FERC	Federal Energy Regulatory Commission (f/k/a FPC)
FPC	Federal Power Commission
FPSC	Florida Public Service Commission
FRCC	Florida Reliability Coordinating Council (f/k/a FCG)

BBL	Barrel (42 gallons)
BTU	British Thermal Unit
ECS	Extended Cold Standby
IC & GT	Internal Combustion and Gas Turbine
MCF	= 1,000 cubic feet
SH-TON	Short ton (2,000 pounds)
THERM	100,000 BTUs

Kilowatt (kW) = 1,000 watts
Megawatt (MW) = 1,000 kilowatts
Gigawatt (GW) = 1,000 megawatts
Kilowatt-Hours (kWh) = 1,000 watt-hours
Megawatt-Hours (MWh) = 1,000 kilowatt-hours
Gigawatt-Hours (GWh) = 1,000 megawatt-hours

Unit Number (U)

r = Retirement
c = Change or modification of unit

Unit Type (T)

FS = Fossil Steam
CT = Combustion Turbine
D = Diesel
CC = Combined Cycle
N = Nuclear
UN = Unknown

Primary Fuel (F)

HO = Heavy Oil
LO = Light Oil
NG = Natural Gas
N = Nuclear
C = Coal
SW = Solid Waste
UN = Unknown

Continued

Acronyms, Abbreviations, and Formulas

Capability

MW-S = Megawatt Summer
MW-W = Megawatt Winter
NMPLT = Nameplate

Net summer and winter continuous capacity and generator maximum nameplate rating.

Load Factor Formula

$$\text{Percent Load Factor} = \frac{\text{Net Energy for Load (MWh)}}{\text{Peak Load (MW)} \times 8{,}760} \times 100$$

Where:

Net Energy for Load = Total MWh Generated – Plant Use + MWh Received – MWh Delivered

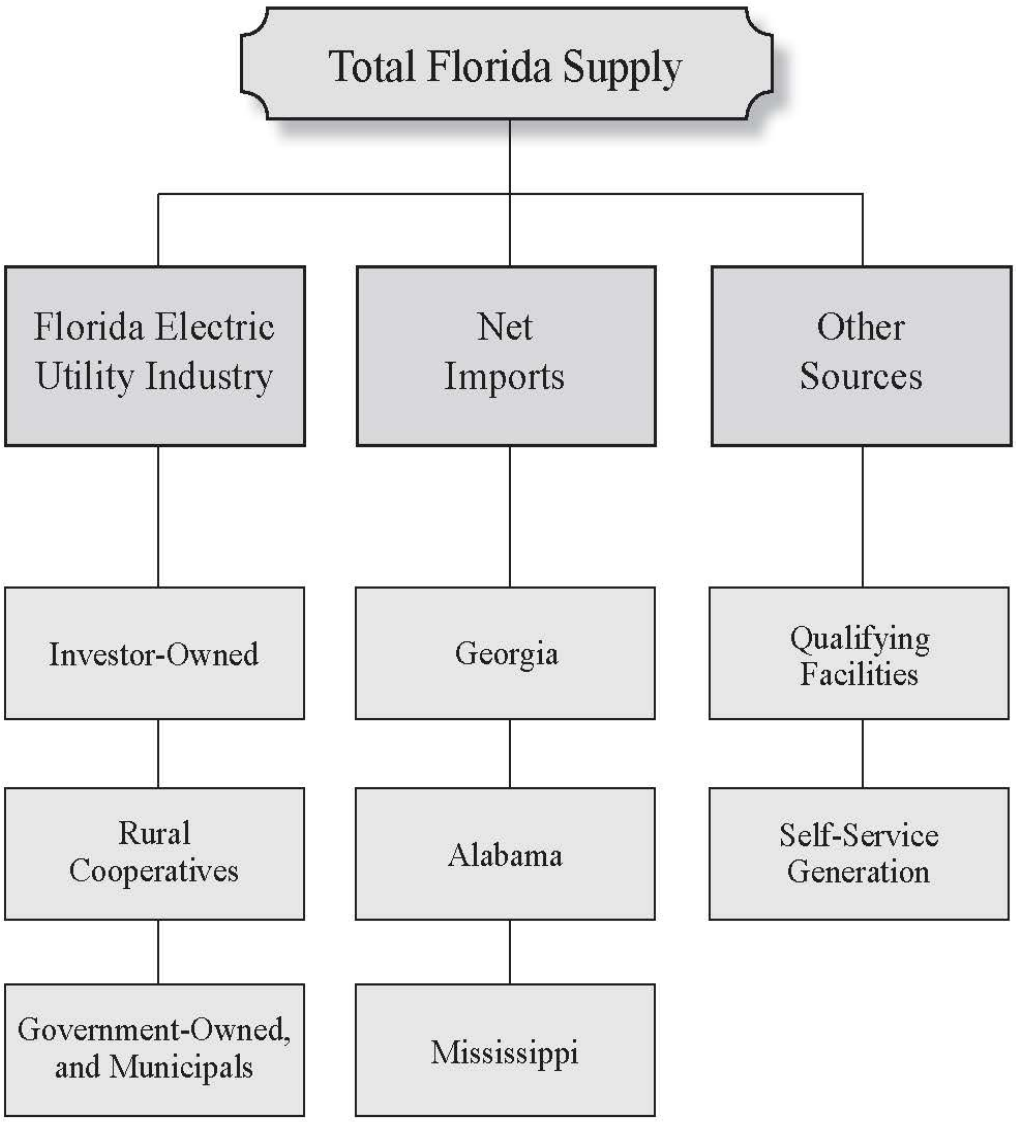
Peak Load = That 60 minute demand interval for which gross generated MWh was highest for the year.

The load factor for a specific utility is an index ranging from zero to one. The load factor reflects the ratio of total MWh actually generated and delivered to ultimate customers to the total MWh that would have been generated and delivered had the utility maintained that level of system net generation observed at the peak period (60 minutes) for every hour of the year, or a total of 8,760 hours.

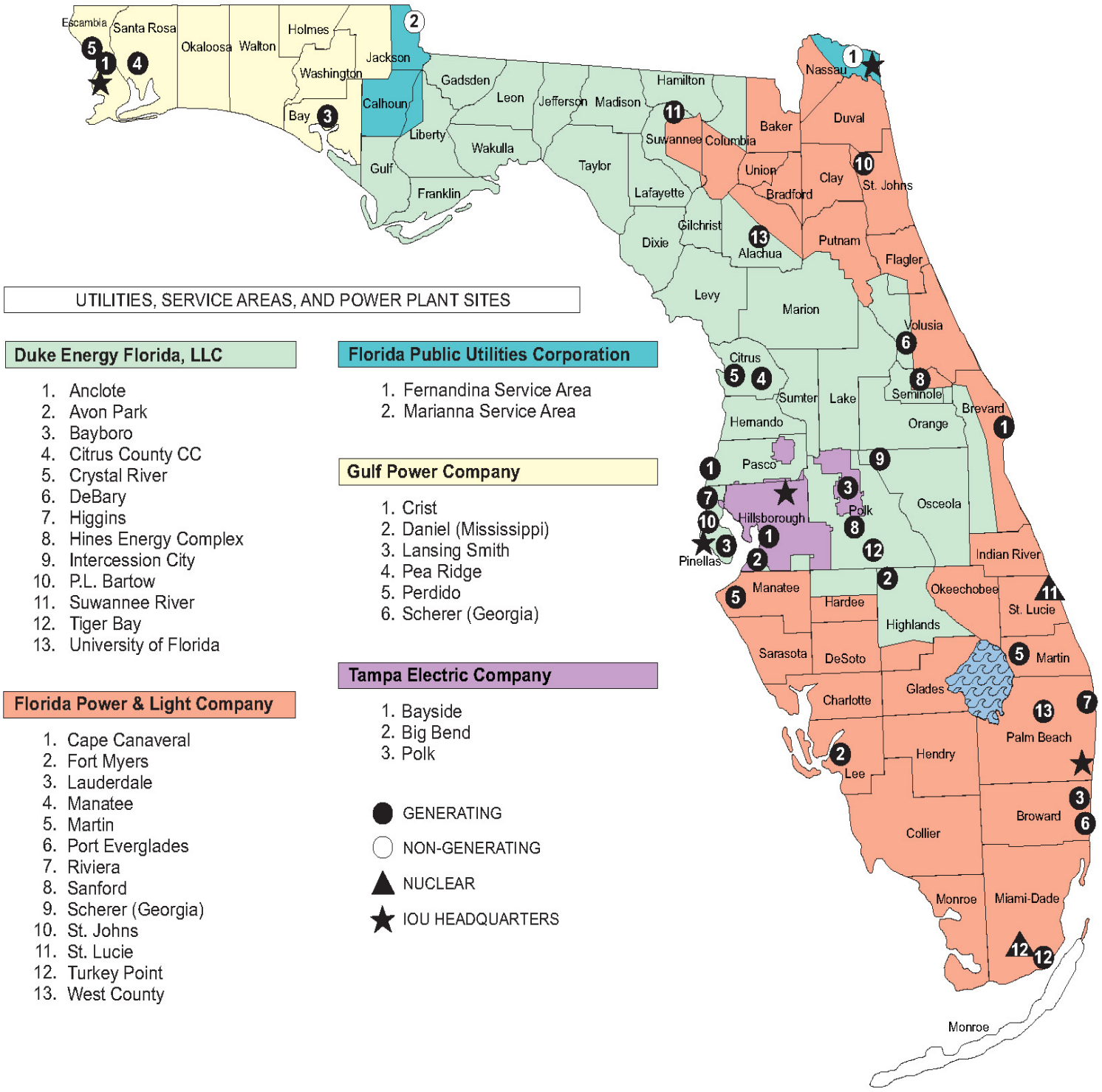
The closer the load factor is to one, the flatter the load curve or the lower the difference between maximum and minimum levels of use is over a one-year period. The closer the load factor is to zero, the greater this difference is, and therefore, the magnitude of peaking across the load curve is greater.

Overview

Florida Sources of Electricity by Type of Ownership



Investor-Owned Electric
2020



UTILITIES, SERVICE AREAS, AND POWER PLANT SITES

Duke Energy Florida, LLC

1. Anclote
2. Avon Park
3. Bayboro
4. Citrus County CC
5. Crystal River
6. DeBary
7. Higgins
8. Hines Energy Complex
9. Intercession City
10. P.L. Bartow
11. Suwannee River
12. Tiger Bay
13. University of Florida

Florida Power & Light Company

1. Cape Canaveral
2. Fort Myers
3. Lauderdale
4. Manatee
5. Martin
6. Port Everglades
7. Riviera
8. Sanford
9. Scherer (Georgia)
10. St. Johns
11. St. Lucie
12. Turkey Point
13. West County

Florida Public Utilities Corporation

1. Fernandina Service Area
2. Marianna Service Area

Gulf Power Company

1. Crist
2. Daniel (Mississippi)
3. Lansing Smith
4. Pea Ridge
5. Perdido
6. Scherer (Georgia)

Tampa Electric Company

1. Bayside
2. Big Bend
3. Polk

GENERATING

NON-GENERATING

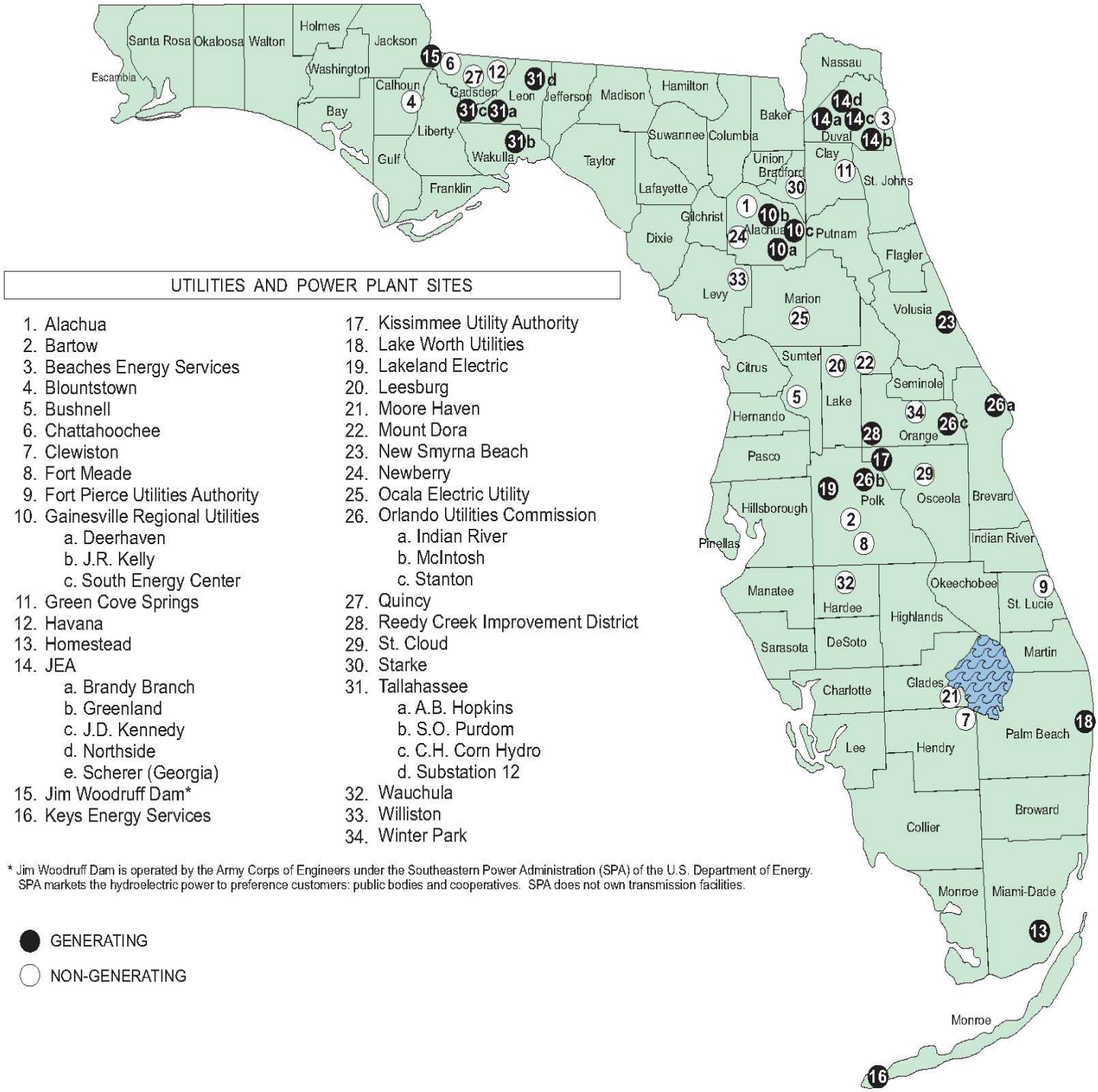
NUCLEAR

IOU HEADQUARTERS

* Excludes solar generation. Service areas are approximations. Information on this map should be used only as a general guideline. For more detailed information, contact individual utilities.

Source: Florida Public Service Commission.

Municipal Electric
2020



UTILITIES AND POWER PLANT SITES

1. Alachua
2. Bartow
3. Beaches Energy Services
4. Blountstown
5. Bushnell
6. Chattahoochee
7. Clewiston
8. Fort Meade
9. Fort Pierce Utilities Authority
10. Gainesville Regional Utilities
    a. Deerhaven
    b. J.R. Kelly
    c. South Energy Center
11. Green Cove Springs
12. Havana
13. Homestead
14. JEA
    a. Brandy Branch
    b. Greenland
    c. J.D. Kennedy
    d. Northside
    e. Scherer (Georgia)
15. Jim Woodruff Dam*
16. Keys Energy Services
17. Kissimmee Utility Authority
18. Lake Worth Utilities
19. Lakeland Electric
20. Leesburg
21. Moore Haven
22. Mount Dora
23. New Smyrna Beach
24. Newberry
25. Ocala Electric Utility
26. Orlando Utilities Commission
    a. Indian River
    b. McIntosh
    c. Stanton
27. Quincy
28. Reedy Creek Improvement District
29. St. Cloud
30. Starke
31. Tallahassee
    a. A.B. Hopkins
    b. S.O. Purdom
    c. C.H. Corn Hydro
    d. Substation 12
32. Wauchula
33. Williston
34. Winter Park

* Jim Woodruff Dam is operated by the Army Corps of Engineers under the Southeastern Power Administration (SPA) of the U.S. Department of Energy. SPA markets the hydroelectric power to preference customers: public bodies and cooperatives. SPA does not own transmission facilities.

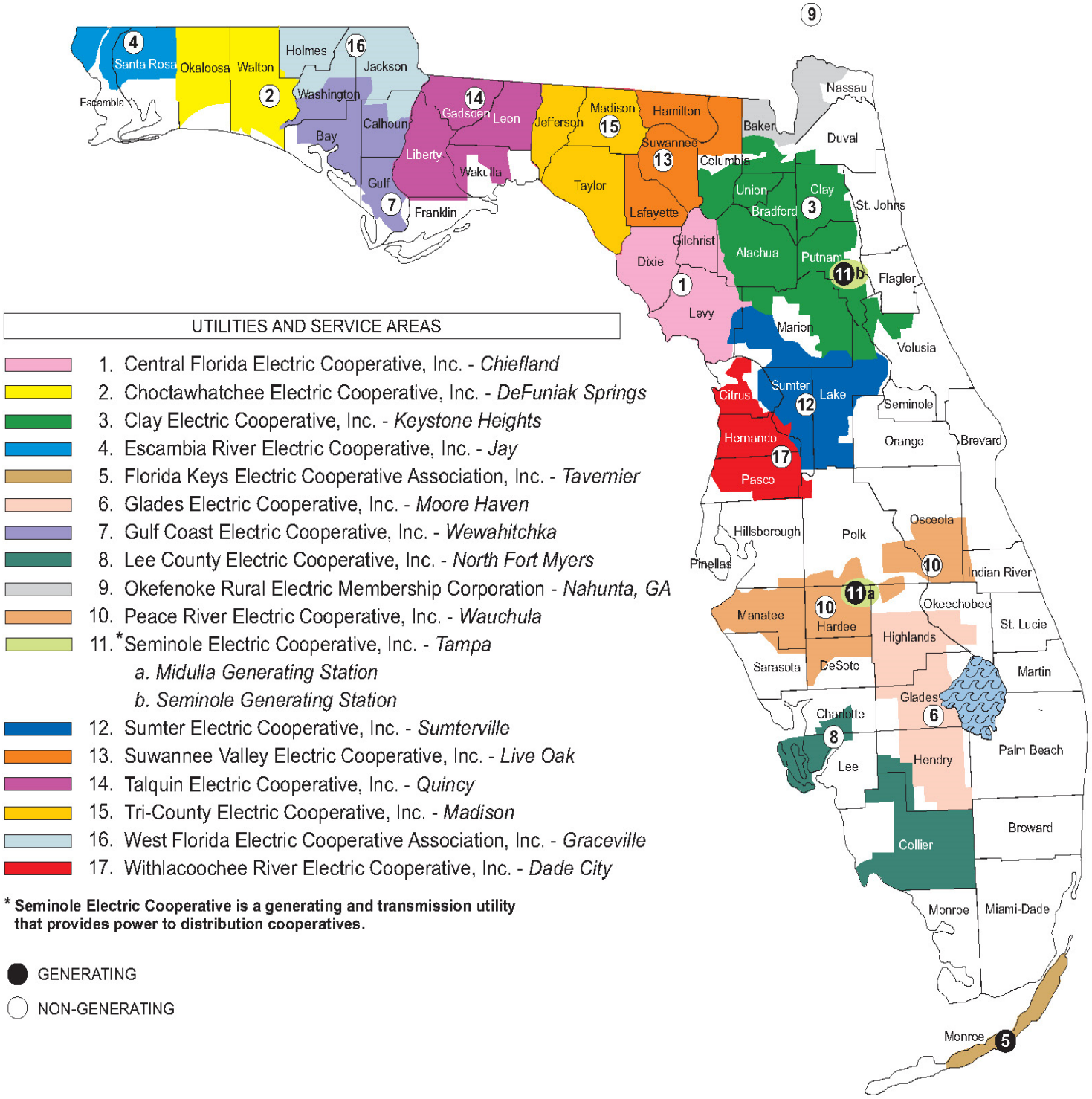
● GENERATING

○ NON-GENERATING

* Excludes solar generation. Information on this map should be used only as a general guideline. For more detailed information, contact individual utilities.

Source: Florida Public Service Commission.

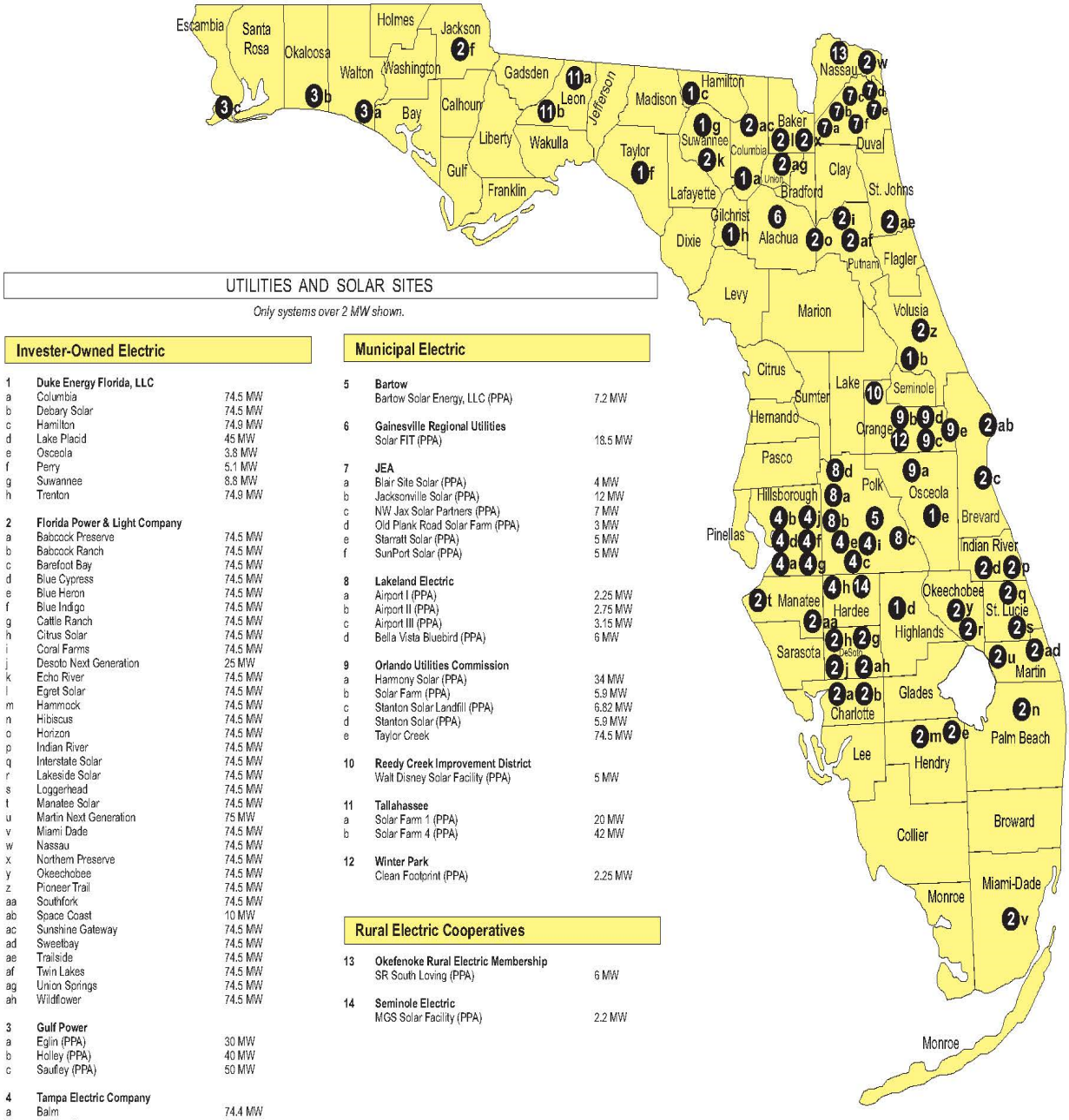
Rural Electric Cooperatives
2020



* Excludes solar generation. Service areas are approximations. Information on this map should be used only as a general guideline. For more detailed information, contact individual utilities.

Source: Florida Public Service Commission.

Florida Solar Electric
2020



UTILITIES AND SOLAR SITES

Only systems over 2 MW shown.

Invester-Owned Electric

1	**Duke Energy Florida, LLC**	
a	Columbia	74.5 MW
b	Debary Solar	74.5 MW
c	Hamilton	74.9 MW
d	Lake Placid	45 MW
e	Osceola	3.8 MW
f	Perry	5.1 MW
g	Suwannee	8.8 MW
h	Trenton	74.9 MW
2	**Florida Power & Light Company**	
a	Babcock Preserve	74.5 MW
b	Babcock Ranch	74.5 MW
c	Barefoot Bay	74.5 MW
d	Blue Cypress	74.5 MW
e	Blue Heron	74.5 MW
f	Blue Indigo	74.5 MW
g	Cattle Ranch	74.5 MW
h	Citrus Solar	74.5 MW
i	Coral Farms	74.5 MW
j	Desoto Next Generation	25 MW
k	Echo River	74.5 MW
l	Egret Solar	74.5 MW
m	Hammock	74.5 MW
n	Hibiscus	74.5 MW
o	Horizon	74.5 MW
p	Indian River	74.5 MW
q	Interstate Solar	74.5 MW
r	Lakeside Solar	74.5 MW
s	Loggerhead	74.5 MW
t	Manatee Solar	74.5 MW
u	Martin Next Generation	75 MW
v	Miami Dade	74.5 MW
w	Nassau	74.5 MW
x	Northern Preserve	74.5 MW
y	Okeechobee	74.5 MW
z	Pioneer Trail	74.5 MW
aa	Southfork	74.5 MW
ab	Space Coast	10 MW
ac	Sunshine Gateway	74.5 MW
ad	Sweetbay	74.5 MW
ae	Trailside	74.5 MW
af	Twin Lakes	74.5 MW
ag	Union Springs	74.5 MW
ah	Wildflower	74.5 MW
3	**Gulf Power**	
a	Eglin (PPA)	30 MW
b	Holley (PPA)	40 MW
c	Saufley (PPA)	50 MW
4	**Tampa Electric Company**	
a	Balm	74.4 MW
b	Big Bend	19.4 MW
c	Bonnie Mine	37.5 MW
d	Grange Hall	61.1 MW
e	Lake Hancock	49.5 MW
f	Lithia	74.4 MW
g	Little Manatee	74.5 MW
h	Payne Creek	70.3 MW
i	Peace Creek	55.4 MW
j	Wimauma	74.8 MW

Municipal Electric

5	**Bartow**	
	Bartow Solar Energy, LLC (PPA)	7.2 MW
6	**Gainesville Regional Utilities**	
	Solar FIT (PPA)	18.5 MW
7	**JEA**	
a	Blair Site Solar (PPA)	4 MW
b	Jacksonville Solar (PPA)	12 MW
c	NW Jax Solar Partners (PPA)	7 MW
d	Old Plank Road Solar Farm (PPA)	3 MW
e	Starratt Solar (PPA)	5 MW
f	SunPort Solar (PPA)	5 MW
8	**Lakeland Electric**	
a	Airport I (PPA)	2.25 MW
b	Airport II (PPA)	2.75 MW
c	Airport III (PPA)	3.15 MW
d	Bella Vista Bluebird (PPA)	6 MW
9	**Orlando Utilities Commission**	
a	Harmony Solar (PPA)	34 MW
b	Solar Farm (PPA)	5.9 MW
c	Stanton Solar Landfill (PPA)	6.82 MW
d	Stanton Solar (PPA)	5.9 MW
e	Taylor Creek	74.5 MW
10	**Reedy Creek Improvement District**	
	Walt Disney Solar Facility (PPA)	5 MW
11	**Tallahassee**	
a	Solar Farm 1 (PPA)	20 MW
b	Solar Farm 4 (PPA)	42 MW
12	**Winter Park**	
	Clean Footprint (PPA)	2.25 MW

Rural Electric Cooperatives

13	**Okefenoke Rural Electric Membership**	
	SR South Loving (PPA)	6 MW
14	**Seminole Electric**	
	MGS Solar Facility (PPA)	2.2 MW

* Information on this map should be used only as a general guideline. For more detailed information, contact individual utilities.

Source: Florida Public Service Commission.

Florida Electric Utility Industry
2020

Investor-Owned

Duke Energy Florida, LLC
Florida Power & Light Company
Florida Public Utilities Company
Gulf Power Company
Tampa Electric Company

Generating Municipal

Florida Municipal Power Agency *
Gainesville Regional Utilities
Homestead, City of
JEA (f/k/a Jacksonville Electric Authority)
Keys Energy Services (f/k/a Key West Utility Board)
Kissimmee Utility Authority
Lake Worth Utilities, City of
Lakeland Electric, City of
New Smyrna Beach, Utilities Commission of
Orlando Utilities Commission **
Reedy Creek Improvement District
Tallahassee, City of

Generating Rural Electric Cooperative

Florida Keys Electric Cooperative Association, Inc. ***
PowerSouth Energy Cooperative *
Seminole Electric Cooperative, Inc. *
USCE-Mobile District *

Generating - Other

Southeastern Power Administration *
(Jim Woodruff Dam)

Non-Generating Municipal

Alachua, City of
Bartow, City of
Beaches Energy Services (f/k/a City of Jacksonville Beach)
Blountstown, City of
Bushnell, City of
Chattahoochee, City of
Clewiston, City of
Fort Meade, City of
Fort Pierce Utilities Authority
Green Cove Springs, City of
Havana, Town of
Leesburg, City of
Moore Haven, City of
Mount Dora, City of
Newberry, City of
Ocala Electric Utility
Quincy, City of
St. Cloud, City of **
Starke, City of
Wauchula, City of
Williston, City of
Winter Park, City of

Non-Generating Rural Electric Cooperative

Central Florida Electric Cooperative, Inc.
Choctawhatchee Electric Cooperative, Inc.
Clay Electric Cooperative, Inc.
Escambia River Electric Cooperative, Inc.
Glades Electric Cooperative, Inc.
Gulf Coast Electric Cooperative, Inc.
Lee County Electric Cooperative, Inc.
Okefenoke Rural Electric Membership Corporation ^
Peace River Electric Cooperative, Inc.
Sumter Electric Cooperative, Inc.
Suwannee Valley Electric Cooperative, Inc.
Talquin Electric Cooperative, Inc.
Tri-County Electric Cooperative, Inc.
West Florida Electric Cooperative Association, Inc.
Withlacoochee River Electric Cooperative, Inc.

* Wholesale-only generating utility.

** Orlando Utilities Commission serves the City of St. Cloud.

*** The Florida Keys Electric Cooperative has a standby unit.

^ Okefenoke sells power in Florida and Georgia.

Counties Served by Generating Electric Utilities
2020

Utility	County
Investor-Owned	
Duke Energy Florida, LLC	Alachua, Bay, Brevard, Citrus, Columbia, Dixie, Flagler, Franklin, Gadsden, Gilchrist, Gulf, Hamilton, Hardee, Hernando, Highlands, Jefferson, Lafayette, Lake, Leon, Levy, Liberty, Madison, Marion, Orange, Osceola, Pasco, Pinellas, Polk, Seminole, Sumter, Suwannee, Taylor, Volusia, Wakulla
Florida Power & Light Company	Alachua, Baker, Bradford, Brevard, Broward, Charlotte, Clay, Collier, Columbia, DeSoto, Duval, Flagler, Glades, Hardee, Hendry, Highlands, Indian River, Lee, Manatee, Martin, Miami-Dade, Monroe, Nassau, Okeechobee, Palm Beach, Putnam, St. Johns, St. Lucie, Sarasota, Seminole, Suwannee, Union, Volusia
Gulf Power Company	Bay, Escambia, Holmes, Jackson, Okaloosa, Santa Rosa, Walton, Washington
Tampa Electric Company	Hillsborough, Pasco, Pinellas, Polk
Municipal	
Gainesville Regional Utilities	Alachua
Homestead	Miami-Dade
JEA	Clay, Duval, St. Johns
Keys Energy Services	Monroe
Kissimmee Utility Authority	Osceola
Lake Worth Utilities	Palm Beach
Lakeland Electric	Polk
New Smyrna Beach	Volusia
Orlando Utilities Commission *	Orange, Osceola
Reedy Creek Improvement District	Orange, Osceola
Tallahassee	Leon
Rural Electric Cooperative	
Florida Keys Electric Cooperative Association **	Monroe

* Orlando Utilities Commission serves the City of St. Cloud.

** The Florida Keys Electric Cooperative has a standby unit.

Counties Served by Non-Generating Electric Utilities
2020

Utility	County
Investor-Owned	
Florida Public Utilities Company	Calhoun, Jackson, Liberty, Nassau
Municipal	
Alachua	Alachua
Bartow	Polk
Beaches Energy Services	Duval, St. Johns
Blountstown	Calhoun
Bushnell	Sumter
Chattahoochee	Gadsden
Clewiston	Hendry
Fort Meade	Polk
Fort Pierce Utilities Authority	St. Lucie
Green Cove Springs	Clay
Havana	Gadsden
Leesburg	Lake
Moore Haven	Glades
Mount Dora	Lake
Newberry	Alachua
Ocala Electric Utility	Marion
Quincy	Gadsden
Starke	Osceola
St. Cloud *	Bradford
Tri-County Electric	Indian River
West Florida Electric Cooperative Association	Hardee
Williston	Levy
	Orange
Rural Electric Cooperative	
Central Florida Electric	Alachua, Dixie, Gilchrist, Lafayette, Levy, Marion
Choctawhatchee Electric	Holmes, Okaloosa, Santa Rosa, Walton
Clay Electric	Alachua, Baker, Bradford, Clay, Columbia, Flagler, Gilcrist, Lake, Levy, Marion, Putnam, Suwannee, Union, Volusia
Escambia River Electric	Escambia, Santa Rosa
Glades Electric	Glades, Hendry, Highlands, Okeechobee
Gulf Coast Electric	Bay, Calhoun, Gulf, Jackson, Walton, Washington
Lee County Electric	Charlotte, Collier, Hendry, Lee
Okefenoke Rural Electric **	Baker, Nassau
Peace River Electric	Brevard, DeSoto, Hardee, Highlands, Hillsborough, Indian River, Manatee, Osceola, Polk, Sarasota
Sumter Electric	Citrus, Hernando, Lake, Levy, Marion, Pasco, Sumter
Suwannee Valley Electric	Columbia, Hamilton, Lafayette, Suwannee
Talquin Electric	Franklin, Gadsden, Leon, Liberty, Wakulla
Tri-County Electric	Dixie, Jefferson, Madison, Taylor
West Florida Electric Cooperative Association	Calhoun, Holmes, Jackson, Washington
Withlacoochee River Electric	Citrus, Hernando, Pasco, Polk, Sumter

* The City of St. Cloud is served by Orlando Utilities Commission.

** Okefenoke sells power in Florida and Georgia; figures reflect Florida customers only.

Highlights of the Florida Electric Utility Industry
2016-2020

	2016	2017	2018	2019	2020
Total Installed Capacity (Megawatts) *	58,422	58,295	58,506	56,359	57,113
Installed Capacity by Fuel Type (Percentage)					
Natural Gas	55%	58%	63%	63%	70%
Coal	21	17	20	20	14
Nuclear	6	6	6	6	6
Other **	18	18	11	11	10
Total *	100%	100%	100%	100%	100%
Energy Sales (Gigawatt-hours)					
Residential	122,535	123,449	121,687	125,089	133,202
Commercial	88,530	85,147	84,617	86,241	83,101
Industrial	16,617	20,848	20,670	20,782	19,603
Other	6,437	6,708	6,746	6,784	6,417
Total	234,119	236,152	233,720	238,896	242,323
Number of Customers (Thousands)					
Residential	9,130	9,197	9,398	9,515	9,738
Commercial	1,133	1,134	1,150	1,164	1,186
Industrial	20	29	28	25	24
Other	132	135	143	157	156
Total	10,415	10,495	10,719	10,861	11,104
Average Residential Bill (1,000 kWh) ***	$116.62	$113.58	$115.86	$113.77	$113.20

* May not total due to rounding.

** Other includes: oil, interchange, non-utility generation, and renewables.

*** Unweighted average of all utilities: investor-owned, municipal, and rural electric cooperative.

Source: Florida Public Service Commission, 2019 Statistics of the Florida Electric Utility Industry; Florida Public Service Commission, Review of Ten-Year Site Plan, Nov. 2020; Florida Reliability Coordinating Council, Regional Load and Resource Plan, State Supplement (July 2021), FRCC Form 1.0, p. S-7; Responses to staff data request.

Financial Statistics of
Investor-Owned Utilities (IOUs)

Table 1

Rate of Return
2016-2020

	2016	2017	2018	2019	2020
Average per Book Rate of Return					
Duke Energy Florida, LLC	5.97%	6.39%	5.94%	5.94%	6.11%
Florida Power & Light Company	7.30	6.95	7.29	7.45	7.44
Gulf Power Company	5.01	5.41	4.02	4.86	5.25
Tampa Electric Company	6.36	6.31	6.26	6.23	6.47
Average Adjusted Rate of Return					
Duke Energy Florida, LLC	6.34%	6.38%	5.92%	6.40%	6.43%
Florida Power & Light Company	6.63	6.32	6.70	6.81	6.84
Gulf Power Company	5.18	5.68	5.84	5.88	5.85
Tampa Electric Company	6.48	6.41	6.24	6.36	6.48
FPSC Authorized Rate of Return *					
Duke Energy Florida, LLC	6.65%	6.68%	6.53%	6.27%	6.27%
Florida Power & Light Company	6.17	6.09	6.22	6.32	6.34
Gulf Power Company	5.45	5.47	5.54	5.56	5.68
Tampa Electric Company	6.12	6.03	6.10	6.32	6.28
Adjusted Jurisdictional Year-End Rate Base (Millions)					
Duke Energy Florida, LLC	$10,485	$11,339	$13,186	$13,662	$14,883
Florida Power & Light Company	31,457	34,619	36,816	40,897	45,314
Gulf Power Company	2,106	2,487	2,610	2,743	3,249
Tampa Electric Company	4,724	5,592	6,100	6,556	6,849

* Average Capital Structure - Midpoint.

Source: Florida Public Service Commission, 2019 Statistics of the Florida Electric Utility Industry; Florida Public Service Commission, December 2020 Earnings Surveillance Report, Schedule 1.

Table 2

Sources of Revenue
(Percentage of Total Sales) *
2016-2020

	2016	2017	2018	2019	2020
Duke Energy Florida, LLC					
Residential	57.78%	57.71%	58.36%	58.50%	60.86%
Commercial	25.39	26.08	26.01	25.78	23.84
Industrial	5.82	5.92	5.55	5.25	5.19
Other	6.56	6.76	6.66	6.60	6.03
Sales for Resale	4.45	3.52	3.42	3.87	4.07
Total	100%	100%	100%	100%	100%
Total Sales (Millions)	$4,160.85	$4,248.08	$4,644.95	$4,838.13	$4,757.71
Florida Power & Light Company					
Residential	56.46%	56.77%	56.96%	57.26%	59.87%
Commercial	36.59	36.52	35.88	35.71	33.44
Industrial	1.77	1.75	1.71	1.64	1.60
Other	0.82	0.85	0.80	0.78	0.79
Sales for Resale	4.37	4.12	4.65	4.61	4.30
Total	100%	100%	100%	100%	100%
Total Sales (Millions)	$10,532.48	$11,421.96	$11,231.75	$11,613.91	$11,115.20
Gulf Power Company					
Residential	50.55%	49.86%	49.83%	52.48%	56.19%
Commercial	28.83	28.53	27.11	27.91	28.29
Industrial	10.63	9.97	9.35	9.56	9.25
Other	0.31	0.33	0.36	0.38	0.44
Sales for Resale	9.69	11.31	13.35	9.67	5.83
Total	100%	100%	100%	100%	100%
Total Sales (Millions)	$1,415.66	$1,443.92	$1,400.38	$1,394.04	$1,309.45
Tampa Electric Company					
Residential	52.55%	52.44%	53.12%	53.57%	55.77%
Commercial	30.11	30.11	28.99	28.78	27.72
Industrial	8.17	8.24	8.02	7.98	7.28
Other	8.85	8.78	9.33	9.36	9.09
Sales for Resale	0.32	0.43	0.54	0.31	0.14
Total	100%	100%	100%	100%	100%
Total Sales (Millions)	$1,970.65	$1,917.86	$2,009.25	$1,955.90	$1,828.98

* May not total due to rounding.

Source: Florida Public Service Commission, 2020 Annual Report, FERC Form No. 1, p. 300; Florida Public Service Commission, 2019 Statistics of the Florida Electric Utility Industry.

Table 3

Uses of Revenue
(Percentage of Total Operating Revenue) *
2016-2020

	2016	2017	2018	2019	2020
Duke Energy Florida, LLC					
Fuel	26.64%	27.84%	27.09%	24.29%	21.69%
Other Operation and Maintenance	35.68	32.77	34.61	31.31	32.81
Depreciation and Amortization	7.47	7.93	12.38	15.76	13.74
Taxes Other Than Income Taxes	7.42	7.66	7.62	7.67	7.52
Income Taxes	6.74	6.78	2.08	2.70	3.66
Interest	4.36	5.48	5.24	5.85	5.87
Net Operating Income Less Interest	11.70	11.56	10.98	12.41	14.71
Total	100%	100%	100%	100%	100%
Total Operating Revenue (Millions)	$4,469.85	$4,512.68	$4,887.81	$5,088.73	$5,043.41
Florida Power & Light Company					
Fuel	26.68%	26.84%	28.40%	24.44%	22.51%
Other Operation and Maintenance	18.36	28.10	13.12	17.47	15.21
Depreciation and Amortization	12.74	4.39	19.32	18.23	16.93
Taxes Other Than Income Taxes	11.17	11.15	11.36	11.41	11.80
Income Taxes	10.08	11.04	4.51	3.56	5.25
Interest	4.12	4.00	4.62	4.95	5.22
Net Operating Income Less Interest	16.86	14.47	18.67	19.95	23.07
Total	100%	100%	100%	100%	100%
Total Operating Revenue (Millions)	$10,691.84	$11,594.06	$11,497.89	$11,824.21	$11,360.02
Gulf Power Company					
Fuel	29.07%	28.17%	28.70%	24.87%	20.45%
Other Operation and Maintenance	32.24	33.90	35.88	32.34	29.05
Depreciation and Amortization	10.85	8.93	12.87	16.12	19.55
Taxes Other Than Income Taxes	8.07	7.67	8.04	7.78	7.93
Income Taxes	5.87	6.94	-1.01	2.84	4.75
Interest	3.70	3.31	3.63	3.73	2.94
Net Operating Income Less Interest	10.21	11.07	11.89	12.33	15.32
Total	100%	100%	100%	100%	100%
Total Operating Revenue (Millions)	$1,484.63	$1,516.49	$1,465.15	$1,483.83	$1,395.96
Tampa Electric Company					
Fuel	28.73%	30.99%	30.71%	26.33%	22.10%
Other Operation and Maintenance	25.82	22.22	26.91	21.97	25.85
Depreciation and Amortization	15.58	11.33	12.43	19.57	15.52
Taxes Other Than Income Taxes	7.72	8.15	8.14	8.21	8.52
Income Taxes	6.39	8.49	3.14	2.92	3.55
Interest	4.53	5.24	4.95	5.83	6.05
Net Operating Income Less Interest	11.23	13.58	13.71	15.16	18.40
Total	100%	100%	100%	100%	100%
Total Operating Revenue (Millions)	$2,024.12	$1,987.79	$2,068.73	$2,006.93	$1,884.11

* May not total due to rounding.

Source: Florida Public Service Commission, 2020 Annual Report, FERC Form No. 1, pp. 114, 117, 311, 320-321, and 323; Florida Public Service Commission, 2019 Statistics of the Florida Electric Utility Industry.

Table 4

Proprietary Capital and Long-Term Debt *

December 31, 2020

	Duke Energy Florida, LLC	Florida Power & Light Company	Gulf Power Company	Tampa Electric Company
Proprietary Capital (Thousands)				
Common Stock	$0	$1,373,069	$678,060	$119,697
Preferred Stock	0	0	0	0
Retained Earnings	5,788,164	9,620,499	263,070	209,825
Other Paid-In Capital	1,766,035	12,756,501	1,859,829	3,225,840
Other Adjustments	4,722	-3,741	-514	-1,562
Total Proprietary Capital	$7,558,921	$23,746,328	$2,800,445	$3,553,800
Long-Term Debt (Thousands)				
Bonds	$6,425,000	$14,038,271	$458,955	$2,566,730
Other Long-Term Debt and/or Adjustments	389,502	1,762,989	1,111,263	-8,650
Total Long-Term Debt	$6,814,502	$15,801,260	$1,570,218	$2,558,080
Total Proprietary Capital and Long-Term Debt	$14,373,423	$39,547,588	$4,370,663	$6,111,880
Proprietary Capital (Percent)				
Common Stock	0.0%	3.5%	15.5%	2.0%
Preferred Stock	0.0	0.0	0.0	0.0
Retained Earnings	40.3	24.3	6.0	3.4
Other Paid-In Capital	12.3	32.3	42.6	52.8
Other Adjustments	0.0	0.0	0.0	0.0
Total Proprietary Capital	52.6%	60.0%	64.1%	58.2%
Long-Term Debt (Percent)				
Bonds	44.7%	35.5%	10.5%	42.0%
Other Long-Term Debt and/or Adjustments	2.7	4.5	25.4	-0.1
Total Long-Term Debt	47.4%	39.9%	35.9%	41.9%
Total Proprietary Capital and Long-Term Debt	100%	100%	100%	100%

* May not total due to rounding.

Source: Florida Public Service Commission, 2019 Annual Report, FERC Form No. 1, p. 112.

Table 5

Financial Integrity Indicators
2016-2020

	2016	2017	2018	2019	2020
Times Interest Earned with AFUDC					
Duke Energy Florida, LLC	5.01 x	3.59 x	3.24 x	3.76 x	4.17 x
Florida Power & Light Company	6.84	6.96	5.79	5.53	6.26
Gulf Power Company	5.21	5.56	3.62	5.29	6.78
Tampa Electric Company	4.68	5.23	4.34	4.07	4.46
Times Interest Earned without AFUDC					
Duke Energy Florida, LLC	4.82 x	3.35 x	2.99 x	3.74 x	4.11 x
Florida Power & Light Company	6.64	6.76	5.59	5.40	6.13
Gulf Power Company	5.21	5.55	3.62	5.26	6.07
Tampa Electric Company	4.34	5.20	4.20	3.94	4.14
AFUDC as a Percentage of Net Income Interest Coverage Ratio					
Duke Energy Florida, LLC	6.29 %	8.35 %	5.05 %	1.16 %	2.04 %
Florida Power & Light Company	5.09	4.90	5.00	3.24	2.82
Gulf Power Company	-0.01	0.07	0.08	1.06	14.66
Tampa Electric Company	12.44	0.75	4.73	4.58	9.94
Percent Internally Generated Funds					
Duke Energy Florida, LLC	96.78 %	69.21 %	62.87 %	69.21 %	96.20 %
Florida Power & Light Company	82.44	45.38	82.29	39.93	54.02
Gulf Power Company	142.32	90.11	9.95	-48.46	69.31
Tampa Electric Company	87.81	112.53	52.82	63.99	68.42

Source: Florida Public Service Commission, 2019 Statistics of the Florida Electric Utility Industry; Florida Public Service Commission, December 2020 Earnings Surveillance Report, Schedule 1.

Net Generation

Table 6

Net Energy for Load
2011-2020

Year	Total Net Energy for Load (Gigawatt-Hours)	Investor-Owned		Other *	
		Quantity (Gigawatt-Hours)	Percent of Total	Quantity (Gigawatt-Hours)	Percent of Total
2011	237,658	186,328	78.4%	51,330	21.6%
2012	234,366	182,998	78.1	51,368	21.9
2013	235,025	183,156	77.9	51,869	22.1
2014	238,611	188,310	78.9	50,301	21.1
2015	248,406	197,137	79.4	51,269	20.6
2016	248,019	196,676	79.3	51,343	20.7
2017	246,033	195,679	79.5	50,354	20.5
2018	249,266	199,390	80.0	49,876	20.0
2019	266,681	202,481	75.9	64,200	24.1
2020	256,783	205,052	79.9	51,731	20.1

* Includes municipal, rural electric cooperative, and federally-owned utilities.

Source: Florida Public Service Commission, 2019 Statistics of the Florida Electric Utility Industry; Florida Public Service Commission, Utility Ten-Year Site Plans (April 2021), Schedule Nos. 2.3 and 3.3; Florida Reliability Coordinating Council, Regional Load and Resource Plan, State Supplement (July 2021), FRCC Form 9.1, p. S-17.

Table 7

Net Energy for Load (NEL) by Fuel Type and Other Sources *
2011-2020

	Coal		Oil		Natural Gas		Nuclear		Hydro		NEL	Other Sources		NEL
Year	Gigawatt-Hours	Percent	Gigawatt-Hours	Percent	Gigawatt-Hours	Percent	Gigawatt-Hours	Percent	Gigawatt-Hours	Percent	Subtotal	NUG **	Other ***	Total
2011	56,014	25.8%	1,178	0.5%	137,243	63.2%	22,828	10.5%	8	0.0%	217,271	2,611	17,776	237,658
2012	47,542	21.8	682	0.3	151,856	69.6	18,088	8.3	9	0.0	218,177	2,982	13,207	234,366
2013	50,775	23.3	487	0.2	140,187	64.3	26,672	12.2	29	0.0	218,150	3,182	13,693	235,025
2014	55,410	24.7	447	0.2	140,348	62.6	27,730	12.4	162	0.1	224,097	1,799	12,715	238,611
2015	46,685	20.2	592	0.3	156,348	67.5	27,872	12.0	162	0.1	231,659	1,841	14,906	248,406
2016	43,638	18.9	1,733	0.8	156,007	67.7	29,052	12.6	25	0.0	230,455	171	17,393	248,019
2017	42,573	18.4	487	0.2	159,719	68.9	29,080	12.5	17	0.0	231,876	1,942	12,215	246,033
2018	37,798	16.0	527	0.2	169,438	71.5	29,153	12.3	24	0.0	236,940	148	14,004	251,092
2019	28,599	12.0	517	0.2	180,726	75.7	28,838	12.1	10	0.0	238,690	1,803	26,188	266,681
2020	22,031	9.2	985	0.4	188,145	78.2	29,286	12.2	150	0.1	240,597	0	13,547	254,144

* May not total due to rounding.

** Non-utility generation.

*** Includes net interchange, non-hydro renewables, and other.

Source: Florida Public Service Commission, 2019 Statistics of the Florida Electric Utility Industry; Florida Reliability Coordinating Council, Regional Load and Resource Plan, State Supplement (July 2021), FRCC Form 9.1, p. S-17.

Table 8

Projected Net Energy for Load by Fuel Type and Other Sources
(Gigawatt-Hours)
2020-2030

Year	Net Energy for Load	Interchange & Other *	Nuclear	Coal	Oil	Natural Gas	Hydro	NUG
2020	256,783	13,547	29,286	22,031	985	188,145	150	0
2021	250,448	16,753	29,210	29,862	871	171,226	136	0
2022	253,022	24,891	30,027	22,915	879	173,642	137	0
2023	255,437	28,223	29,655	14,065	845	181,322	136	0
2024	257,419	30,792	29,456	12,708	880	181,467	135	0
2025	259,616	27,691	29,972	10,325	896	184,639	134	0
2026	261,629	35,150	29,649	10,192	927	184,683	134	0
2027	263,804	36,790	29,566	9,887	949	185,309	134	0
2028	266,251	38,474	30,133	8,746	984	185,305	133	0
2029	268,989	37,730	29,639	8,457	970	185,954	133	0
2030	271,897	46,147	29,547	9,068	1,019	185,330	133	0

* Includes net interchange, non-hydro renewables, and other.

Source: Florida Reliability Coordinating Council, Regional Load and Resource Plan, State Supplement (July 2021), FRCC Form 9.1, p. S-17.

Table 9

Projected Net Energy for Load by Percentage of Fuel Type and Other Sources
2020-2030

Year	Net Energy for Load *	Interchange & Other **	Nuclear	Coal	Oil	Natural Gas	Hydro	NUG
2020	100%	5.28%	11.40%	8.58%	0.38%	73.27%	0.06%	0.00%
2021	100	6.69	11.66	11.92	0.35	68.37	0.05	0.00
2022	100	9.84	11.87	9.06	0.35	68.63	0.05	0.00
2023	100	11.05	11.61	5.51	0.33	70.99	0.05	0.00
2024	100	11.96	11.44	4.94	0.34	70.49	0.05	0.00
2025	100	10.67	11.54	3.98	0.35	71.12	0.05	0.00
2026	100	13.44	11.33	3.90	0.35	70.59	0.05	0.00
2027	100	13.95	11.21	3.75	0.36	70.24	0.05	0.00
2028	100	14.45	11.32	3.28	0.37	69.60	0.05	0.00
2029	100	14.03	11.02	3.14	0.36	69.13	0.05	0.00
2030	100	16.97	10.87	3.34	0.37	68.16	0.05	0.00

* May not total due to rounding.

**Includes net interchange, non-hydro renewables, and non-utility generation.

Source: Florida Reliability Coordinating Council, Regional Load and Resource Plan, State Supplement (July 2021), FRCC Form 9.1, p. S-17.

Generating Capacity and Capability

Table 10

Installed Nameplate Capacity/Firm Summer Net Capability
(Megawatts)
2011-2020

Year	Hydro-Electric	Conventional Steam	Nuclear Steam	Combustion Turbine	Internal Combustion	Combined Cycle	Solar Photovoltaic	Total *
2011	52	19,909	3,947	8,013	171	22,908	0	54,999
2012	52	17,837	3,471	8,697	153	22,192	0	52,402
2013	52	17,837	3,471	8,697	153	22,192	0	52,402
2014	52	17,684	3,600	7,755	115	25,312	15	54,533
2015	51	17,616	3,599	7,940	108	24,866	15	54,195
2016	51	16,774	3,599	7,345	108	26,130	132	54,139
2017	51	16,649	3,599	6,830	125	27,662	148.1	55,064
2018	51	12,770	3,625	7,563	134	28,137	599	52,879
2019	51	12,363	3,479	7,992	207	31,038	981	56,095
2020	51	13,133	3,559	7,411	226	30,128	1,733	56,241

* May not total due to rounding.

Source: Florida Public Service Commission, 2019 Statistics of the Florida Electric Utility Industry; Florida Reliability Coordinating Council, Regional Load and Resource Plan, State Supplement (July 2021), FRCC Form 1.0, pp. 8-20, S-8, and S-9.

Table 11

Installed Nameplate Capacity/Summer Net Capability by Type of Ownership (Megawatts) 2011-2020

Year	Total for State *	Investor-Owned		Municipal, Rural Electric Cooperative, and Other **	
		Quantity	Percent of Total	Quantity	Percent of Total
2011	54,999	41,367	75.21%	13,633	24.79%
2012	52,402	38,890	74.22	13,512	25.78
2013	52,402	38,890	74.22	13,512	25.78
2014	54,533	41,266	75.67	13,267	24.33
2015	54,195	41,018	75.69	13,177	24.31
2016	54,139	41,050	75.82	13,089	24.18
2017	55,064	41,915	76.12	13,149	23.88
2018	52,879	40,793	77.14	12,086	22.86
2019	56,095	43,858	78.19	12,237	21.81
2020	56,241	44,378	78.91	11,864	21.09

* May not total due to rounding.

** USCE-Mobile District and Jim Woodruff Dam.

Source: Florida Public Service Commission, 2019 Statistics of the Florida Electric Utility Industry; Florida Reliability Coordinating Council, Regional Load and Resource Plan, State Supplement (July 2021), FRCC Form 1.0, pp. 7-20, S-8, and S-9.

Table 12

Installed Capacity by Fuel and Technology
(Megawatts)
2018-2020

Fuel	Technology	2018	2019	2020
Natural Gas				
	Combined Cycle	27,321	28,274	32,526
	Turbine & Diesel	5,555	5,588	8,182
	Steam	5,060	3,358	4,134
Total Natural Gas		37,936	37,220	44,842
Percentage of Total		63.29%	62.31%	69.99%
Coal				
	Steam	11,486	9,310	9,012
	Combined Cycle	220	220	220
Total Coal		11,706	9,530	9,232
Percentage of Total		19.53%	15.95%	14.41%
Oil				
	Turbine & Diesel	1,518	1,658	1,666
	Steam	0	0	0
Total Oil		1,518	1,658	1,666
Percentage of Total		2.53%	2.78%	2.60%
Nuclear				
	Steam	3,599	3,625	3,625
Total Nuclear		3,599	3,625	3,625
Percentage of Total		6.00%	6.07%	5.66%
Other *				
		5,180	7,703	4,703
Total Other		5,180	7,703	4,703
Percentage of Total		8.64%	12.90%	7.34%
Total Installed Capacity		59,939	59,736	64,068
Percentage of Total **		100%	100%	100%

* Includes all renewable resources, net interchange, and non-utility generation.

** May not total due to rounding.

Source: Florida Public Service Commission, 2019 Statistics of the Florida Electric Utility Industry; Florida Public Service Commission, Review of the Ten-Year Site Plans, Nov. 2020.

Table 13

Installed Winter and Summer Net Capacity by Utility *
(Megawatts)
2019-2020

Utility	Winter Net Capacity		Summer Net Capacity	
	2019	2020	2019	2020
Investor-Owned				
Duke Energy Florida, LLC	10,894	10,897	9,902	9,891
Florida Power & Light Company	26,908	26,994	26,569	27,306
Gulf Power Company	2,345	2,388	2,348	2,440
Tampa Electric Company	5,196	4,814	5,039	4,741
Generating Municipal				
Florida Municipal Power Agency **	1,333	1,333	1,292	1,292
Gainesville Regional Utilities	661	661	631	631
Homestead	32	32	32	32
JEA	3,143	3,134	2,854	2,969
Keys Energy Services	37	37	37	37
Kissimmee Utility Authority	255	255	243	243
Lake Worth Utilities	80	80	77	77
Lakeland Electric	890	880	844	840
New Smyrna Beach	24	24	22	22
Orlando Utilities Commission ***	1,518	1,536	1,479	1,496
Reedy Creek Improvement District	54	52	54	52
Tallahassee	776	795	706	725
Generating Rural Electric Cooperative				
PowerSouth Energy **	2,062	1,559	1,866	1,369
Seminole Electric **	2,157	2,161	2,056	2,034
USCE-Mobile District **	44	44	44	44
Total Utility ^	**58,409**	**57,676**	**56,095**	**56,241**
Total Non-Utility ^^	1,739	911	1,663	872
Total State of Florida ^	**60,148**	**58,587**	**57,758**	**57,113**

* Includes generation physically located outside Florida if it serves load in Florida.

** Wholesale-only generating utility.

*** The City of St. Cloud is included in the figures of Orlando Utilities Commission.

^ May not total due to rounding.

^^ Does not include the capacity of merchant plants.

Source: Florida Public Service Commission, 2019 Statistics of the Florida Electric Utility Industry; Florida Reliability Coordinating Council, Regional Load and Resource Plan, State Supplement (July 2021), FRCC Form 1.0, pp. 7 and S-7.

Table 14

Summer Net Capacity by Generation by Utility *
(Megawatts)
December 31, 2020

Utility	Hydro-Electric	Conventional Steam	Nuclear Steam	Combustion Turbine	Internal Combustion	Combined Cycle	Solar photovoltaic	Total
Investor-Owned								
Duke Energy Florida, LLC	0	2,435	0	2,041	0	5,221	194	9,891
Florida Power & Light Company	0	2,260	3,499	2,184	0	18,206	1,157	27,306
Gulf Power Company	0	1,684	0	44	3	660	49	2,440
Tampa Electric Company	0	2,278	0	280	0	1,850	333	4,741
Generating Municipal								
Florida Municipal Power Agency **	0	335	0	161	0	796	0	1,292
Gainesville Regional Utilities	0	406	0	110	7	108	0	631
Homestead	0	0	0	0	32	0	0	32
JEA	0	1,308	0	1,093	0	568	0	2,969
Keys Energy Services	0	0	0	19	18	0	0	37
Kissimmee Utility Authority	0	22	0	25	0	196	0	243
Lake Worth Utilities	0	31	0	46	0	0	0	77
Lakeland Electric	0	205	0	134	55	446	0	840
New Smyrna Beach	0	0	0	22	0	0	0	22
Orlando Utilities Commission ***	0	762	60	197	0	476	0	1,496
Reedy Creek Improvement District	0	0	0	0	0	52	0	52
Tallahassee	0	0	0	92	111	522	0	725
Generating Rural Electric Cooperative								
PowerSouth Energy **	7	147	0	693	0	522	0	1,369
Seminole Electric **	0	1,260	0	270	0	504	0	2,034
USCE-Mobile District **	44	0	0	0	0	0	0	44
Total Utility ^	**51**	**13,133**	**3,559**	**7,411**	**226**	**30,128**	**1,733**	**56,241**
Total Non-Utility ^^								872
Total State of Florida ^	**51**	**13,133**	**3,559**	**7,411**	**226**	**30,128**	**1,733**	**57,113**

* Includes generation physically located outside Florida if it serves load in Florida.

** Wholesale-only generating utility.

*** The City of St. Cloud is included in the figures of Orlando Utilities Commission.

^ May not total due to rounding.

^^ Does not include the capacity of merchant plants.

Source: Florida Reliability Coordinating Council, Regional Load and Resource Plan, State Supplement (July 2021), FRCC Form 1.0, pp. 7-20, S-8, and S-9.

Table 15

Nuclear Generating Units
December 31, 2020

Utility	Location	Commercial In-Service Month/Year	Maximum Nameplate Rating kW	Net Capacity Summer MW	Net Capacity Winter MW
Florida Power & Light Company					
St. Lucie #1	St. Lucie County	May-76	1,080,000	981	1,003
St. Lucie #2	St. Lucie County	Jun-83	919,128	840 *	860 *
Turkey Point #3	Miami-Dade County	Dec-72	877,200	837	859
Turkey Point #4	Miami-Dade County	Sep-73	877,200	841	868

* 14.9% of plant capacity is owned by Orlando Utilities Commission and Florida Municipal Power Agency; figures shown represent FP&L share.

Sources: Florida Public Service Commission, FP&L Ten-Year Site Plan (April 2021), Schedule 1, p. 26; Florida Reliability Coordinating Council, Regional Load and Resource Plan, State Supplement (July 2021), FRCC Form 1.0, p. 13.

Annual Peak Demand
(Megawatts)
2016-2020

Utility	2016	2017	2018	2019	2020
Investor-Owned					
Duke Energy Florida, LLC	9,728	9,296	10,323	9,973	9,649
Florida Power & Light Company	23,858	23,373	23,217	24,241	24,499
Florida Public Utilities Company	147	144	163	140	148
Gulf Power Company	2,508	2,434	2,809	2,472	2,410
Tampa Electric Company	4,131	4,115	4,044	4,298	4,255
Generating Municipal					
Florida Municipal Power Agency *	1296	1263	1,281	1,349	1,463
Gainesville Regional Utilities	428	418	410	429	425
Homestead	105	110	106	115	117
JEA	2,763	2,727	3,080	2,644	2,585
Keys Energy Services	148	149	146	145	141
Kissimmee Utility Authority	354	353	356	374	371
Lake Worth Utilities	96	95	95	97	97
Lakeland Electric	646	643	704	667	678
New Smyrna Beach	101	97	108	105	103
Orlando Utilities Commission ***	1,189	1,378	1,341	1,431	1,382
Reedy Creek Improvement District	195	191	188	198	166
Tallahassee	597	598	621	616	576
Non-Generating Municipal					
Alachua	28	28	29	29	29
Bartow	63	63	68	60	60
Beaches Energy Services	178	171	211	173	170
Blountstown	8	9	7	7	7
Bushnell	6	6	7	8	12
Chattahoochee	8	7	7	5,530	7
Clewiston	22	22	22	22	22
Fort Meade	9	9	12	10	10
Fort Pierce Utilities Authority	112	112	112	113	116
Green Cove Springs	26	25	31	25	26
Havana	6	6	7	6	6

* Wholesale-only generating utility.

** Not Reported.

*** The City of St. Cloud is included in the figures of Orlando Utilities Commission.

Continued

Annual Peak Demand
(Megawatts)
2016-2020

Utility	2016	2017	2018	2019	2020
Non-Generating Municipal (Continued)					
Leesburg	112	116	116	111	119
Moore Haven	4	4	4	4	4
Mount Dora	22	22	23	23	23
Newberry	8	8	10	9	10
Ocala Electric Utility	305	291	296	314	303
Quincy	26	13	13	12	26
Starke	16	15	17	15	15
Wauchula	14	14	14	14	14
Williston	9	8	10	10	10
Winter Park	79	83	77	81	77
Generating & Non-Generating Rural Electric Cooperative					
Central Florida Electric	129	123	147	124	140
Choctawhatchee Electric	192	205	264	213	219
Clay Electric	788	735	921	778	818
Escambia River Electric	46	51	64	48	50
Florida Keys Electric	149	154	150	153	156
Glades Electric	68	67	73	68	69
Gulf Coast Electric	90	90	111	83	86
Lee County Electric	868	877	885	924	966
Okefenoke Rural Electric *	28	27	33	28	50
Peace River Electric	161	164	177	187	205
PowerSouth Energy **	440	470	578	4,500	466
Seminole Electric **	3,318	4,010	4,024	3,477	3,517
Sumter Electric	788	756	889	837	865
Suwannee Valley Electric	107	120	123	114	113
Talquin Electric	253	268	299	238	235
Tri-County Electric	70	67	77	67	66
West Florida Electric	123	128	149	116	123
Withlacoochee River Electric	1,019	902	1,191	933	1,007

* Okefenoke sells power in Florida and Georgia; figures reflect Florida customers only.

** Wholesale-only generating utility.

Source: Florida Public Service Commission, 2019 Statistics of the Florida Electric Utility Industry; Responses to staff data request.

Table 17

Projected Summer and Winter Peak Demand
(Megawatts)
2020-2029

Year	Summer Peak	Year	Winter Peak
2020	50,877	2019-2020	39,487
2021	51,178	2021-2022	47,005
2022	51,526	2022-2023	47,696
2023	52,240	2023-2024	43,310
2024	52,909	2024-2025	48,867
2025	53,516	2025-2026	49,470
2026	54,027	2026-2027	49,978
2027	54,590	2027-2028	50,439
2028	55,094	2028-2029	51,043
2029	55,827	2029-2030	51,600

Source: Florida Reliability Coordinating Council, Regional Load and Resource Plan, State Supplement (July 2021), FRCC Form History and Forecast, p. S-1.

Table 18

Load Factors of Generating Utilities
December 31, 2020

Utility	Net Energy for Load (Gigawatt-Hours)	Peak Load (Megawatts)	Load Factor (Percentage) *
Investor-Owned			
Duke Energy Florida, LLC	44,956	9,649	53.2%
Florida Power & Light Company	127,519	24,499	59.4
Gulf Power Company	11,664	2,410	55.3
Tampa Electric Company	21,066	4,255	56.5
Municipal			
Florida Municipal Power Agency **	6,638	1,463	51.8
Gainesville Regional Utilities	1,977	425	53.1
Homestead	598	117	58.3
JEA	12,740	2,585	56.3
Keys Energy Services	765	141	61.9
Kissimmee Utility Authority	1,695	371	52.2
Lake Worth Utilities	478	97	56.4
Lakeland Electric	3,305	678	55.6
New Smyrna Beach	472	103	52.4
Orlando Utilities Commission ***	8,033	1,382	66.3
Reedy Creek Improvement District	1,133	166	78.1
Tallahassee	2,728	576	54.1
Rural Electric Cooperative			
PowerSouth Energy **	2,143	466	52.5
Seminole Electric **	15,662	3,517	50.8

* May not total due to rounding.

** Wholesale-only generating utility.

*** The City of St. Cloud is included in the figures of Orlando Utilities Commission.

Source: Responses to staff data request.

Renewable Energy, Energy Efficiency and Conservation

Table 19

Renewable Generation Capacity
(Megawatts)
2017-2020

Renewable Type *	2017	2018	2019	2020
Biomass	583	592	469	431
Hydro	63	51	51	51
Landfill Gas	83	75	116	42
Municipal Solid Waste	446	484	374	514
Solar	538	804	1,743	2,658
Waste Heat	306	306	310	276
Wind	188	272	272	282
Total	2,207	2,584	3,335	4,254

* Renewable generation includes investor-owned, customer-owned, and non utility-owned (acquired through purchase power agreements).

Source: Florida Public Service Commission, 2019 Statistics of the Florida Electric Utility Industry; Florida Public Service Commission, Review of the Ten-Year Site Plans, Nov. 2020.

Table 20

Customer-Owned Photovoltaic Facilities *
2017-2020

	2017	2018	2019	2020
Number of Solar Energy Systems				
Duke Energy Florida, LLC	7,470	12,549	21,275	34,106
Florida Power & Light Company	7,518	11,366	16,957	23,785
Florida Public Utilities Company	109	131	156	220
Gulf Power Company	884	1,167	2,223	5,666
Tampa Electric Company	1,843	3,089	5,172	7,764
Municipal	3,410	5,065	7,251	9,939
Rural Electric Cooperative	2,895	4,464	6,442	9,038
Total	24,129	37,831	59,476	90,518
Gross Power Rating (MW)(AC)				
Duke Energy Florida, LLC	58	97	175	289
Florida Power & Light Company	68	99	150	216
Florida Public Utilities Company	0.6	0.8	0.3	5.0
Gulf Power Company	5	8	16	46
Tampa Electric Company	19	32	54	89
Municipal	28	43	63	114
Rural Electric Cooperative	18	30	46	69
**Total ** **	196.6	310.4	507.1	828.0
Energy Delivered to the Grid (MWh)				
Duke Energy Florida, LLC	29,171	50,957	92,037	159,660
Florida Power & Light Company	30,651	46,992	73,330	108,281
Florida Public Utilities Company	345	496	1,086	2,918
Gulf Power Company	8,431	12,719	6,821	22,274
Tampa Electric Company	8,239	23,552	23,983	26,042
Municipal	14,553	22,088	33,529	47,183
Rural Electric Cooperative	6,879	9,985	14,927	21,638
Total	98,269	166,789	245,712	387,996

* Includes demonstration sites.

** May not total due to rounding.

Source: Annual Net Metering Report, 2020; Florida Public Service Commission, 2019 Statistics of the Florida Electric Utility Industry.

Investor-Owned Photovoltaic Facilities *

December 31, 2020

Utility	Name of Plant	In-Service Date	Nameplate Capacity MW **	Total Energy MWh
Duke Energy Florida, LLC	Columbia Solar Facility	March-20	74.9	147,024
	Debary Solar Facility	May-20	74.9	83,504
	Hamilton Solar Facility	Dec-18	74.9	175,804
	Lake Placid Solar Facility	Nov-19	45.0	96,921
	Osceola Solar Facility	May-16	3.8	6,330
	Perry Solar Facility	Aug-16	5.1	4,647
	St Pete Pier Solar Facility	Dec-19	0.4	249
	Suwannee Solar Facility	Nov-17	8.8	14,767
	Trenton Solar Facility	Dec-19	74.9	169,797
Florida Power & Light Company	Babcock Preserve Solar Energy Center	Mar-20	74.5	152,720
	Babcock Ranch Solar Energy Center	Dec-16	74.5	157,073
	Barefoot Bay Solar Energy Center	March-18	74.5	160,660
	Blue Cypress Solar Energy Center	March-18	74.5	157,493
	Blue Heron Solar Energy Center	Mar-20	74.5	149,459
	Cattle Ranch Solar Energy Center	May-20	74.5	143,399
	Citrus Solar Energy Center	Dec-16	74.5	155,917
	Coral Farms Solar Energy Center	Dec-17	74.5	149,472
	DeSoto Next Generation Solar Energy Center	Oct-09	25.0	43,355
	Echo River Solar Energy Center	May-20	74.5	65,614
	Egret Solar Energy Center	Dec-20	74.5	3,902
	Hammock Solar Energy Center	March-18	74.5	159,621
	Hibiscus Solar Energy Center	May-20	74.5	106,222
	Horizon Solar Energy Center	Dec-17	74.5	150,955
	Indian River Energy Center	Dec-17	74.5	162,704
	Interstate Solar Energy Center	Jan-19	74.5	151,999
	Lakeside Solar Energy Center	Dec-20	74.5	5,297
	Loggerhead Energy Center	March-18	74.5	158,222
	Manatee Solar Energy Center	Dec-16	74.5	161,541
	Miami-Dade Solar Energy Center	Jan-19	74.5	153,245
	Martin Next Generation Solar Energy Center	Dec-10	75.0	50,125*
	Nassau Solar Energy Center	Dec-20	74.5	2,758
	Northern Preserve Solar Energy Center	Mar-20	74.5	125,776
	Okeechobee Solar Energy Center	May-20	74.5	111,805
	Pioneer Trail Solar Energy Center	Jan-19	74.5	145,362
	Southfork Solar Energy Center	May-20	74.5	120,620
	Space Coast Next Generation Solar Energy Center	Apr-10	10.0	17,546
	Sunshine Gateway Solar Energy Center	Jan-19	74.5	152,223
	Sweetbay Solar Energy Center	Mar-20	74.5	130,405
	Trailside Solar Energy Center	Dec-20	74.5	3,798
	Twin Lakes Solar Energy Center	Mar-20	74.5	144,091
	Union Springs Solar Energy Center	Dec-20	74.5	0
	Wildflower Solar Enegry Center	Dec-17	74.5	158,320
	Wildflower	Dec-17	74.5	166,414
Total			**2,782.15**	**4,527,031**

* Includes purchase power agreements and demonstration sites.

** 2 megawatt threshold.

Continued

Investor-Owned Photovoltaic Facilities *

December 31, 2020

Utility	Name of Plant	In-Service Date	Nameplate Capacity MW **	Total Energy MWh
Gulf Power Company	Blue Indigo Solar Energy Center	Mar-20	75	132,025
	Eglin Solar Project	Oct-14	75	56,572
	Holley Solar Project	Oct-14	75	77,212
	Saufley Solar Project	Nov-14	75	93,229
Tampa Electric Company	Balm Solar Center	Sept-18	74.4	149,290
	Big Bend Solar Center	Feb-17	19.4	38,367
	Bonnie Mine Solar Center	Jan-19	37.5	67,636
	Grange Hall Solar Center	Jan-19	61.1	118,872
	Lake Hancock Solar Center	Apr-19	49.5	83,191
	Legoland Solar	Dec-16	1.4	1,971
	Lithia Solar Center	Sept-18	70.3	143,290
	Little Manatee Solar	Feb-20	74.5	145,399
	Payne Creek	Sept-18	70.3	141,497
	Peace Creek Solar Center	Mar-19	55.4	103,555
	Winauma Solar Center	Apr-20	74.8	122,767
Total			**886.60**	**1,474,873**
Total Investor-Owned Photovoltaic Facilities			**3,668.75**	**6,001,904**

* Includes purchase power agreements and demonstration sites.

** 2 megawatt threshold.

Source: Florida Reliability Coordinating Council, Regional Load and Resource Plan, State Supplement (July 2021), Summary of Existing Capacity, p. 21; Responses to staff data request.

Table 22

Demand-Side Management Programs
Amount of Load Reduction at the Generator *
2017-2020

	2017	2018	2019	2020
Summer Peak Reduction (MW)				
Duke Energy Florida, LLC	82	86	118	64
Florida Power & Light Company	62	82	59	63
Florida Public Utilities Company	0.4	0.4	0.2	0.3
Gulf Power Company	5	3	3	3
JEA	4	5	5	3
Orlando Utilities Commission **	6	5	4	4
Tampa Electric Company	15	21	35	14
Total * **	174.4	201.6	224.5	151.1
Winter Peak Reduction (MW)				
Duke Energy Florida, LLC	81	88	116	54
Florida Power & Light Company	40	53	39	41
Florida Public Utilities Company	0.2	0.2	0.1	0.1
Gulf Power Company	4	2	2	1
JEA	2	4	4	2
Orlando Utilities Commission **	5	5	4	3
Tampa Electric Company	16	21	31	14
Total * **	148.2	173.0	194.9	115.5
Energy Reduction (GWh)				
Duke Energy Florida, LLC	82	82	81	75
Florida Power & Light Company	71	86	54	56
Florida Public Utilities Company	0.8	0.9	0.4	0.5
Gulf Power Company	7	5	5	4
JEA	11	38	40	10
Orlando Utilities Commission **	32	35	15	11
Tampa Electric Company	45	51	91	35
Total * **	248.8	298.0	287.7	191.3

* Annual achievements are reported. Includes residential, commercial, industrial, and other customers.

** The City of St. Cloud is included in the figures of Orlando Utilities Commission.

*** May not total due to rounding.

Source: Annual Reports on Demand-Side Management Plans, 2020; Florida Public Service Commission, 2019 Statistics of the Florida Electric Utility Industry.

Fuel Analysis

Table 23

Fuel Requirements
2011-2020

Year	Coal (Thousands of Short Tons)	Oil * (Thousands of Barrels)	Natural Gas (Billions of Cubic Feet)	Nuclear (U-235) ** (Trillion BTUs)
2011	25,420	2,395	1,006	253
2012	22,187	868	1,109	198
2013	23,547	911	999	301
2014	25,122	880	837	307
2015	23,217	1,111	1,149	309
2016	20,260	1,442	1,141	321
2017	21,374	4,343	1,190	318
2018	18,195	974	1,262	318
2019	14,831	6,313	1,280	313
2020	12,012	6,128	1,368	322

* Residual and distillate.

** Uranium-235 is a naturally occurring isotope of Uranium metal.

Source: Florida Public Service Commission, 2019 Statistics of the Florida Electric Utility Industry; Florida Reliability Coordinating Council, Regional Load and Resource Plan, State Supplement (July 2021), FRCC Form 9.0, p. S-16.

Table 24

Projected Fuel Requirements
2020-2029

Year	Coal (Thousands of Short Tons)	Oil * (Thousands of Barrels)	Natural Gas (Billions of Cubic Feet)	Nuclear (U-235) ** (Trillion BTUs)
2020	12,012	6,128	1,368	322
2021	15,848	6,170	1,207	309
2022	9,847	189	1,217	318
2023	6,146	147	1,249	314
2024	5,598	155	1,248	311
2025	4,592	165	1,275	317
2026	4,531	251	1,275	313
2027	4,388	264	1,280	312
2028	3,916	311	1,284	318
2029	3,784	271	1,283	313

* Residual and distillate.

** Uranium-235 is a naturally occurring isotope of Uranium metal.

Source: Florida Reliability Coordinating Council, Regional Load and Resource Plan, State Supplement (July 2021), FRCC Form 9.0, p. S-16.

Sales

Table 25

Retail Sales
(Megawatt-Hours)
2016-2020

Utility	2016	2017	2018	2019	2020
Investor-Owned					
Duke Energy Florida, LLC	38,773,961	38,024,013	39,144,651	39,187,343	39,230,213
Florida Power & Light Company	109,662,646	108,870,963	110,053,141	111,929,427	113,530,952
Florida Public Utilities Company	645,696	627,135	634,763	652,604	646,364
Gulf Power Company	11,081,505	10,808,617	11,132,383	11,078,869	10,764,133
Tampa Electric Company	19,234,525	19,186,517	19,631,465	19,783,567	19,953,730
Municipal					
Alachua	130,432	127,049	131,006	130,170	128,042
Bartow	277,393	269,667	281,732	287,066	291,602
Beaches Energy Services	722,486	690,398	707,282	697,365	690,291
Blountstown	35,345	34,112	33,586	33,439	31,671
Bushnell	23,892	23,618	24,494	29,051	55,473
Chattahoochee	37,277	36,711	37,053	37,708	36,152
Clewiston	101,094	99,699	99,419	99,262	99,968
Fort Meade	40,878	39,380	40,825	41,967	42,840
Fort Pierce Utilities Authority	551,618	555,768	558,260	559,459	575,481
Gainesville Regional Utilities	1,796,293	1,773,622	1,829,165	1,830,595	1,790,570
Green Cove Springs	106,946	103,807	108,398	112,300	108,522
Havana	23,483	22,820	23,919	24,546	23,126
Homestead	526,881	546,703	548,197	596,814	588,234
JEA	12,215,148	12,067,476	12,325,781	12,322,254	12,319,250
Keys Energy Services	742,272	714,631	712,910	741,931	723,134
Kissimmee Utility Authority	1,521,688	1,532,011	1,583,340	1,620,665	1,635,830
Lake Worth Utilities	434,758	439,747	433,186	435,077	432,926
Lakeland Electric	3,029,959	3,017,655	3,118,406	3,116,587	3,179,606
Leesburg	473,329	474,093	492,124	494,267	495,081
Moore Haven	15,135	15,356	15,356	16,145	16,791
Mount Dora	89,184	87,050	89,695	90,735	89,461
New Smyrna Beach	414,356	406,222	420,938	425,102	443,327
Newberry	34,480	35,348	36,712	37,663	39,344
Ocala Electric Utility	1,296,691	1,249,383	1,296,827	1,307,747	1,268,973
Orlando Utilities Commission *	6,598,932	6,568,198	6,798,822	6,825,561	6,750,619
Quincy	120,177	115,981	119,778	183,531	135,352
Reedy Creek Improvement District	1,154,677	1,156,067	1,136,189	1,175,186	926,061
Starke	68,775	66,627	68,416	65,648	64,231
Tallahassee	2,639,582	2,617,331	2,674,812	2,716,250	2,581,037
Wauchula	59,293	58,990	61,589	61,406	60,530
Williston	33,229	32,548	33,237	32,983	32,983
Winter Park	437,232	425,029	412,650	425,022	419,744
Rural Electric Cooperative					
Central Florida Electric	491,417	482,551	500,976	502,468	526,666
Choctawhatchee Electric	835,460	830,572	895,036	906,973	938,844
Clay Electric	3,279,354	3,226,167	3,316,392	3,349,589	3,416,339
Escambia River Electric	174,820	173,238	184,930	190,598	190,448
Florida Keys Electric	709,568	694,334	682,999	723,276	735,663
Glades Electric	315,891	316,748	322,918	329,414	331,723
Gulf Coast Electric	341,231	328,655	334,455	345,954	344,000
Lee County Electric	3,800,338	3,809,847	3,965,037	4,104,302	4,279,635
Okefenoke Rural Electric **	161,794	158,872	167,127	169,436	173,437
Peace River Electric	708,465	736,663	788,506	850,477	934,732
Sumter Electric	3,238,522	3,232,485	3,415,867	3,467,634	3,635,263
Suwannee Valley Electric	533,673	519,391	551,501	534,811	530,064
Talquin Electric	953,400	937,675	2,045,962	1,014,511	1,020,857
Tri-County Electric	310,193	309,798	314,885	318,153	317,797
West Florida Electric	495,708	482,902	495,256	510,708	498,614
Withlacoochee River Electric	3,914,371	3,835,764	4,024,257	4,052,450	4,247,097
Respondent Total ^ ^^	**236,151,543**	**233,719,918**	**238,896,185**	**240,576,065**	**242,322,824**
FRCC State Total					**234,041,000**

***** The City of St. Cloud is included in the figures of Orlando Utilities Commission.

****** Okefenoke sells power in Florida and Georgia; figures reflect Florida customers only.

^ May not total due to rounding.

^^ Respondent total includes sales to other public authorities; therefore, respondent totals are not comparable to FRCC totals.

Source: Florida Public Service Commission, 2019 Statistics of the Florida Electric Utility Industry; Florida Reliability Coordinating Council, Regional Load and Resource Plan, State Supplement (July 2021), FRCC Form 4.0, p. S-2; Responses to staff data request.

Table 26

Retail Sales by Class of Service

(Megawatt-Hours)

2020

Utility	Residential	Commercial	Industrial	Other *	Total
Investor-Owned					
Duke Energy Florida, LLC	21,458,693	11,521,828	3,147,394	3,102,298	39,230,213
Florida Power & Light Company	63,743,060	46,161,035	3,119,350	507,507	113,530,952
Florida Public Utilities Company	305,020	286,180	47,704	7,460	646,364
Gulf Power Company	5,500,768	3,571,410	1,664,368	27,587	10,764,133
Tampa Electric Company	10,121,922	6,058,022	1,890,671	1,883,115	19,953,730
Municipal					
Alachua	46,067	81,975	0	0	128,042
Bartow	151,979	44,515	85,155	9,953	291,602
Beaches Energy Services	448,350	241,941	0	0	690,291
Blountstown	11,154	18,639	0	1,878	31,671
Bushnell	13,005	12,898	29,570	0	55,473
Chattahoochee	11,101	3,149	20,678	1,223	36,152
Clewiston	53,945	44,835	841	348	99,968
Fort Meade	29,598	12,673	569	0	42,840
Fort Pierce Utilities Authority	257,989	313,472	0	4,020	575,481
Gainesville Regional Utilities	850,316	772,089	168,165	0	1,790,570
Green Cove Springs	50,505	8,745	0	49,272	108,522
Havana	13,810	9,316	0	0	23,126
Homestead	356,395	39,616	163,027	29,195	588,234
JEA	5,679,034	3,885,927	2,698,014	56,275	12,319,250
Keys Energy Services	389,295	331,162	0	2,676	723,134
Kissimmee Utility Authority	970,014	499,861	146,293	19,661	1,635,830
Lake Worth Utilities	268,828	90,926	0	73,172	432,926
Lakeland Electric	1,621,806	831,478	691,339	34,984	3,179,606
Leesburg	266,113	49,081	0	179,887	495,081
Moore Haven	11,462	5,030	0	300	16,791
Mount Dora	54,434	29,722	0	5,305	89,461
New Smyrna Beach	305,199	55,062	83,065	0	443,327
Newberry	22,731	3,126	7,236	6,251	39,344
Ocala Electric Utility	557,510	166,479	544,947	38	1,268,973
Orlando Utilities Commission **	2,755,559	460,052	3,341,067	193,940	6,750,619
Quincy	47,900	65,070	15,570	6,812	135,352
Reedy Creek Improvement District	111	915,159	0	10,791	926,061
Starke	24,625	39,606	0	0	64,231
Tallahassee	1,148,933	1,400,481	0	31,622	2,581,037
Wauchula	29,388	29,593	0	1,549	60,530
Williston	13,626	13,678	291	5,388	32,983
Winter Park	193,996	225,748	0	0	419,744
Rural Electric Cooperative					
Central Florida Electric	382,845	87,886	38,245	17,690	526,666
Choctawhatchee Electric	707,090	215,504	16,251	0	938,844
Clay Electric	2,367,495	642,164	406,644	36	3,416,339
Escambia River Electric	153,107	30,693	5,960	688	190,448
Florida Keys Electric	447,321	97,515	153,448	37,379	735,663
Glades Electric	175,100	39,337	117,286	0	331,723
Gulf Coast Electric	274,074	30,902	26,786	12,238	344,000
Lee County Electric	3,071,749	1,194,560	0	13,326	4,279,635
Okefenoke Rural Electric ^	159,051	8,705	3,234	2,447	173,437
Peace River Electric	608,779	259,774	54,384	11,796	934,732
Sumter Electric	2,529,176	807,734	296,243	2,110	3,635,263
Suwannee Valley Electric	316,237	107,199	106,627	0	530,064
Talquin Electric	689,263	166,245	159,700	5,650	1,020,857
Tri-County Electric	179,221	55,935	73,814	8,826	317,797
West Florida Electric	317,862	37,402	112,844	30,507	498,614
Withlacoochee River Electric	3,038,999	1,019,896	166,613	21,589	4,247,097
Respondent Total ^^ ^^^	**133,201,612**	**83,101,030**	**19,603,393**	**6,416,789**	**242,322,824**
FRCC State Total	**127,550,000**	**83,012,000**	**17,036,000**	**6,443,000**	**234,041,000**

***** Street and highway lighting, sales to public authorities, and interdepartmental sales.

****** The City of St. Cloud is included in the figures of Orlando Utilities Commission.

^ Okefenoke sells power in Florida and Georgia; figures reflect Florida customers only.

^^ May not total due to rounding.

^^^ Respondent total includes sales to other public authorities; therefore, respondent totals are not comparable to FRCC totals.

Source: Florida Reliability Coordinating Council, Regional Load and Resource Plan, State Supplement (July 2021), FRCC Form 4.0, p. S-2; Responses to staff data request.

Table 27

Sales for Resale for Selected Utilities
(Megawatt-Hours)
2020

Utility	Sales for Resale	Total Retail Sales *	Total Sales	Resales as Percentage of Total
Investor-Owned				
Duke Energy Florida, LLC	3,019,323	39,230,213	42,249,536	7.15%
Florida Power & Light Company	10,997,453	113,530,952	124,528,405	8.83
Gulf Power Company	3,437,570	10,764,133	14,201,703	24.21
Tampa Electric Company	75,560	19,953,730	20,029,290	0.38
Municipal				
Gainesville Regional Utilities	133,877	1,790,570	1,924,447	6.96%
JEA	6,835	12,319,250	12,326,085	0.06
Orlando Utilities Commission **	1,157,231	6,750,619	7,907,850	14.63
Reedy Creek Improvement District	155,107	926,061	1,081,168	14.35
Tallahassee	166,131	2,581,037	2,747,168	6.05
Rural Electric Cooperative				
PowerSouth Energy ***	2,073,045	0	2,073,045	100%
Seminole Electric ***	15,501,826	0	15,501,826	100
Talquin Electric	2,723	1,020,857	1,023,580	0.27

* Includes residential, commercial, industrial, and other customers.

** The City of St. Cloud is included in the figures of Orlando Utilities Commission.

*** Wholesale-only generating utility.

Source: Florida Public Service Commission, 2019 Annual Report, FERC Form No. 1, pp. 301 and 311; Responses to staff data request.

Table 28

Retail Sales by Class of Service
(Gigawatt-Hours)
2016-2020

Year	Residential	Commercial	Industrial	Other *	Total Retail Sales
2016	118,453	86,158	17,248	6,548	228,407
2017	116,739	85,681	17,084	6,467	225,971
2018	119,980	86,000	17,394	6,682	230,056
2019	121,825	86,777	17,248	6,683	232,533
2020	127,550	83,012	17,036	6,443	234,041

* Street and highway lighting, sales to public authorities, and interdepartmental sales.

Source: Florida Public Service Commission, 2019 Statistics of the Florida Electric Utility Industry; Florida Reliability Coordinating Council, Regional Load and Resource Plan, State Supplement (July 2021), FRCC Form 4.0, p. S-2.

Table 29

Retail Sales by Percentage of Class of Service *
2011-2020

Year	Residential	Commercial	Industrial	Other **
2011	51.94%	35.38%	9.26%	3.42%
2012	51.06	36.43	9.06	3.45
2013	51.32	36.24	9.04	3.41
2014	51.41	33.63	11.43	3.53
2015	52.34	37.81	7.10	2.75
2016	52.28	36.06	8.83	2.84
2017	52.07	36.20	8.84	2.89
2018	52.36	36.10	8.70	2.84
2019	52.85	36.09	8.07	2.98
2020	54.97	34.29	8.09	2.65

* May not total due to rounding.

** Street and highway lighting, sales to public authorities, and interdepartmental sales.

Source: Florida Public Service Commission, 2019 Statistics of the Florida Electric Utility Industry; Table 26.

Revenues

Table 30

Revenues by Class of Service *
(Thousands)
2011-2020

Year	Residential	Commercial	Industrial	Other **	Total ***
2011	$12,705,770	$7,303,597	$2,017,392	$795,924	$22,822,684
2012	11,852,134	6,990,684	1,597,629	739,474	21,179,921
2013	12,409,792	6,905,538	2,015,606	729,113	22,060,049
2014	13,808,364	7,325,378	2,321,203	826,222	24,281,166
2015	14,235,700	8,419,986	1,347,946	678,308	24,681,941
2016	13,550,470	7,495,717	1,622,082	680,756	23,349,026
2017	14,066,932	7,831,125	1,638,485	684,875	24,221,417
2018	14,503,170	7,925,426	1,535,191	712,436	24,676,222
2019	14,856,666	8,010,233	1,514,729	722,025	25,103,654
2020	15,000,909	7,315,272	1,420,913	647,694	24,384,788

* The amounts shown reflect revenues for all Florida electric utilities (investor-owned, municipal, and rural electric cooperative).

** Street and highway lighting, sales to public authorities, and interdepartmental sales.

*** May not total due to rounding..

Source: Florida Public Service Commission, 2019 Statistics of the Florida Electric Utility Industry; Responses to staff data request.

Table 31

Revenues by Percentage of Class of Service *
2011-2020

Year	Residential	Commercial	Industrial	Other **
2011	55.7%	32.0%	8.8%	3.5%
2012	56.0	33.0	7.5	3.5
2013	56.3	31.3	9.1	3.3
2014	56.9	30.2	9.6	3.4
2015	57.7	34.1	5.5	2.7
2016	58.0	32.1	6.9	2.9
2017	58.1	32.3	6.8	2.8
2018	58.8	32.1	6.2	2.9
2019	59.2	31.9	6.0	2.9
2020	61.5	30.0	5.8	2.7

* May not total due to rounding.

** Street and highway lighting, sales to public authorities, and interdepartmental sales.

Source: Florida Public Service Commission, 2019 Statistics of the Florida Electric Utility Industry; Responses to staff data request; Table 30.

Number of Customers

Table 32

Number of Customers

2016-2020

Utility	2016	2017	2018	2019	2020	Compound Growth Rate
Investor-Owned						
Duke Energy Florida, LLC	1,760,016	1,885,567	1,901,131	1,843,639	1,863,801	1.44%
Florida Power & Light Company	4,869,040	4,901,871	4,961,313	5,061,509	5,136,977	1.35
Florida Public Utilities Company	31,787	31,992	31,009	31,829	32,334	0.43
Gulf Power Company	455,415	461,806	462,983	468,283	473,630	0.99
Tampa Electric Company	730,503	744,691	756,254	771,960	786,048	1.85
Total Investor-Owned	7,846,761	8,025,927	8,112,690	8,177,220	8,292,790	1.39
Municipal						
Alachua	4,522	4,506	4,584	4,610	4,638	0.64%
Bartow	12,195	12,310	12,397	12,470	12,550	0.72
Beaches Energy Services	34,601	34,609	34,315	34,839	34,555	-0.03
Blountstown	1,324	1,330	1,327	1,309	1,313	-0.21
Bushnell	1,040	1,057	1,055	1,186	1,602	11.41
Chattahoochee	1,161	1,172	1,156	1,117	1,100	-1.34
Clewiston	4,315	4,357	4,343	4,405	4,478	0.93
Fort Meade	2,660	2,628	2,635	2,657	2,693	0.31
Fort Pierce Utilities Authority	28,306	28,257	28,331	28,582	28,784	0.42
Gainesville Regional Utilities	95,161	97,245	97,681	98,324	99,714	1.18
Green Cove Springs	4,058	4,175	4,196	4,290	4,395	2.01
Havana	1,448	1,458	1,457	1,462	1,457	0.16
Homestead	24,031	24,402	30,718	25,511	23,981	-0.05
JEA	456,894	464,118	472,061	481,750	491,465	1.84
Keys Energy Services	30,002	29,859	29,728	30,610	30,908	0.75
Kissimmee Utility Authority	70,400	72,225	74,752	77,574	80,570	3.43
Lake Worth Utilities	26,236	27,105	27,244	27,361	26,935	0.66
Lakeland Electric	127,152	129,113	130,657	132,211	135,532	1.61
Leesburg	24,597	24,400	24,420	25,740	26,128	1.52
Moore Haven	1,059	1,137	1,137	1,164	1,118	1.36
Mount Dora	5,828	5,851	5,853	5,886	5,951	0.52
New Smyrna Beach	27,561	27,737	28,030	28,795	29,659	1.85
Newberry	1,774	1,820	1,893	1,980	2,092	4.21
Ocala Electric Utility	50,187	50,569	53,485	54,183	54,666	2.16
Orlando Utilities Commission *	300,179	312,973	322,258	330,564	338,327	3.04
Quincy	4,783	4,743	4,786	4,710	4,749	-0.18
Reedy Creek Improvement District	1,463	1,447	1,524	1,539	1,532	1.16
Starke	2,779	2,801	2,794	2,787	2,848	0.62
Tallahassee	119,005	120,050	121,677	123,753	125,477	1.33
Wauchula	2,798	2,802	2,806	2,822	2,846	0.43
Williston	1,707	1,718	1,744	1,737	1,737	0.44
Winter Park	14,947	15,061	15,565	15,565	14,728	-0.37
Total Municipal	1,519,066	1,548,600	1,582,532	1,571,493	1,598,528	1.28
Rural Electric Cooperative						
Central Florida Electric	33,176	33,434	33,750	33,942	34,562	1.03%
Choctawhatchee Electric	48,675	50,181	51,790	53,439	55,664	3.41
Clay Electric	172,861	174,587	176,614	178,675	180,390	1.07
Escambia River Electric	10,700	11,012	11,197	11,380	11,647	2.14
Florida Keys Electric	32,723	32,224	32,678	32,918	32,562	-0.12
Glades Electric	16,368	16,370	16,344	16,540	16,821	0.68
Gulf Coast Electric	20,565	20,780	20,648	20,552	21,048	0.58
Lee County Electric	211,685	214,668	217,363	221,564	226,437	1.70
Okefenoke Rural Electric **	10,189	10,528	10,586	10,746	10,890	1.68
Peace River Electric	40,296	41,729	43,578	48,884	51,665	6.41
Sumter Electric	194,964	198,656	205,644	210,815	216,477	2.65
Suwannee Valley Electric	25,648	25,932	26,395	26,876	27,388	1.65
Talquin Electric	53,593	53,832	54,218	54,378	55,191	0.74
Tri-County Electric	17,932	18,212	18,391	18,659	19,081	1.56
West Florida Electric	28,347	28,487	28,632	28,122	28,478	0.12
Withlacoochee River Electric	211,243	214,244	217,998	222,294	224,681	1.55
Total Rural Electric Cooperative	1,128,965	1,144,876	1,165,826	1,189,784	1,212,982	1.81
Respondent Total ^ ^^	10,494,792	10,719,403	10,861,048	10,938,497	11,104,300	1.42
FRCC State Total	9,901,223	10,044,518	10,134,775	10,330,981	10,504,960	1.49

***** The City of St. Cloud is included in the figures of Orlando Utilities Commission.

****** Okefenoke sells power in Florida and Georgia; figures reflect Florida customers only.

^ May not total due to rounding.

^^ Respondent total includes sales to other public authorities; therefore, respondent totals are not comparable to FRCC totals.

Source: Florida Public Service Commission, 2019 Statistics of the Florida Electric Utility Industry; Florida Reliability Coordinating Council, Regional Load and Resource Plan, State Supplement (July 2021), FRCC Form 4.0, p. S-2; Responses to staff data request.

Table 33

Number of Customers by Class of Service

December 31, 2020

Utility	Residential	Commercial	Industrial	Other *	Total
Investor-Owned					
Duke Energy Florida, LLC	1,655,304	179,666	1,999	26,832	1,863,801
Florida Power & Light Company	4,548,301	571,587	11,999	5,090	5,136,977
Florida Public Utilities Company	25,038	4,342	2	2,952	32,334
Gulf Power Company	415,147	57,602	243	638	473,630
Tampa Electric Company	698,493	76,790	1,409	9,356	786,048
Total Investor-Owned	7,342,283	889,987	15,652	44,868	8,292,790
Municipal					
Alachua	3,909	729	0	0	4,638
Bartow	10,743	1,359	327	121	12,550
Beaches Energy Services	30,145	4,410	0	0	34,555
Blountstown	975	294	0	44	1,313
Bushnell	1,164	384	54	0	1,602
Chattahoochee	929	110	1	60	1,100
Clewiston	3,549	631	1	297	4,478
Fort Meade	2,390	302	1	0	2,693
Fort Pierce Utilities Authority	23,622	5,160	0	2	28,784
Gainesville Regional Utilities	88,391	11,313	10	0	99,714
Green Cove Springs	3,607	547	0	241	4,395
Havana	1,202	255	0	0	1,457
Homestead	23,011	209	592	169	23,981
JEA	433,380	53,920	197	3,968	491,465
Keys Energy Services	26,460	4,368	0	80	30,908
Kissimmee Utility Authority	70,051	10,470	49	0	80,570
Lake Worth Utilities	23,712	2,969	0	254	26,935
Lakeland Electric	113,202	13,710	77	8,543	135,532
Leesburg	22,076	3,045	0	1,007	26,128
Moore Haven	969	121	0	28	1,118
Mount Dora	5,032	826	0	93	5,951
New Smyrna Beach	26,002	3,525	132	0	29,659
Newberry	1,775	177	46	94	2,092
Ocala Electric Utility	43,157	7,788	930	2,791	54,666
Orlando Utilities Commission **	221,756	26,391	5,302	84,878	338,327
Quincy	3,937	713	1	98	4,749
Reedy Creek Improvement District	9	1,433	0	90	1,532
Starke	2,110	738	0	0	2,848
Tallahassee	105,829	15,458	0	4,190	125,477
Wauchula	2,258	509	0	79	2,846
Williston	1,189	402	3	143	1,737
Winter Park	12,206	2,522	0	0	14,728
Total Municipal	1,308,747	174,788	7,723	107,270	1,598,528
Rural Electric Cooperative					
Central Florida Electric	30,801	3,264	10	487	34,562
Choctawhatchee Electric	48,666	6,996	2	0	55,664
Clay Electric	159,751	20,586	32	21	180,390
Escambia River Electric	10,543	1,067	14	23	11,647
Florida Keys Electric	27,348	4,176	395	643	32,562
Glades Electric	12,917	3,423	481	0	16,821
Gulf Coast Electric	19,593	922	13	520	21,048
Lee County Electric	206,554	19,883	0	0	226,437
Okefenoke Rural Electric ^	10,322	493	1	74	10,890
Peace River Electric	42,972	8,587	3	103	51,665
Sumter Electric	197,388	19,041	20	28	216,477
Suwannee Valley Electric	24,015	3,365	8	0	27,388
Talquin Electric	51,299	3,329	5	558	55,191
Tri-County Electric	17,204	1,603	13	261	19,081
West Florida Electric	25,130	2,715	1	632	28,478
Withlacoochee River Electric	202,207	21,991	23	460	224,681
Total Rural Electric Cooperative	1,086,710	121,441	1,021	3,810	1,212,982
Respondent Total ^^ ^^^	9,737,740	1,186,216	24,396	155,948	11,104,300
FRCC State Total	9,336,692	1,145,720	22,548	0	10,504,960

* Street and highway lighting, sales to public authorities, and interdepartmental sales.

** The City of St. Cloud is included in the figures of Orlando Utilities Commission.

^ Okefenoke sells power in Florida and Georgia; figures reflect Florida customers only.

^^ May not total due to rounding.

^^^ Respondent total includes sales to other public authorities; therefore, respondent totals are not comparable to FRCC totals.

Source: Florida Reliability Coordinating Council, Regional Load and Resource Plan, State Supplement (July 2021), FRCC Form 4.0, p. S-2; Responses to staff data request.

Table 34

Investor-Owned Utilities: Customer Count and Population
2020-2029

Utility	Year	Residential	Commercial	Industrial	Other	Total Customers	Population
Duke Energy Florida, LLC	2020	1,655,304	179,666	1,999	26,832	1,863,801	4,098,889
	2024	1,763,050	188,182	1,930	27,535	1,980,697	4,334,999
	2029	1,883,517	197,819	1,871	28,432	2,111,639	4,583,616
Florida Power & Light Company	2020	4,548,301	571,587	11,999	5,090	5,136,977	10,232,403
	2024	5,179,421	656,481	13,286	7,184	5,856,372	11,600,925
	2029	5,477,700	692,967	13,253	7,721	6,191,641	12,215,401
Gulf Power Company	2020	415,147	57,602	243	638	473,630	878,190
	2024	N/A	N/A	N/A	N/A	N/A	N/A
	2029	N/A	N/A	N/A	N/A	N/A	N/A
Tampa Electric Company	2020	698,493	76,790	1,409	9,356	786,048	1,478,759
	2024	746,020	79,002	1,404	9,708	836,134	1,589,311
	2029	795,630	81,194	1,401	10,144	888,369	1,703,547

Source: Florida Public Service Commission, Utilities' Ten-Year Site Plan (April 2021), Schedule Nos. 2.1, 2.2, and 2.3; Table 33.

Prices

Typical Electric Bill Comparison - Residential Charges *

December 31, 2020

Investor-Owned	Minimum Bill or Customer Charge	100 kWh	250 kWh	500 kWh	750 kWh	1,000 kWh	1,500 kWh
Duke Energy Florida, LLC	$10.63	$22.27	$39.74	$68.84	$97.90	$127.00	$198.65
Florida Power & Light Company	8.34	16.91	29.77	51.19	72.60	94.02	147.18
Florida Public Utilities Company							
Northwest Division	17.16	27.15	42.15	67.13	97.11	117.09	180.97
Northeast Division	17.16	27.15	42.15	67.13	92.11	117.09	180.97
Gulf Power Company	19.20	30.98	48.65	78.06	107.51	136.92	195.78
Tampa Electric Company	15.05	23.07	35.10	55.16	75.20	95.25	145.36

* Excludes local taxes, franchise fees, and gross receipts taxes that are billed as separate line items. Includes cost recovery clause charges.

Continued

Typical Electric Bill Comparison - Residential Charges *

December 31, 2020

Municipal	Minimum Bill or Customer Charge	100 kWh	250 kWh	500 kWh	750 kWh	1,000 kWh	1,500 kWh
Alachua	$9.14	$19.56	$35.18	$61.22	$87.25	$113.29	$170.47
Bartow	8.70	18.14	32.30	55.89	79.48	103.07	150.26
Beaches Energy Services	4.50	15.04	30.85	57.21	83.56	109.91	162.62
Blountstown	3.50	15.04	32.34	61.18	90.01	118.85	176.53
Bushnell	10.00	20.97	37.41	64.83	92.24	119.65	174.48
Chattahoochee	6.50	16.63	31.83	57.16	82.48	107.81	158.47
Clewiston	6.81	15.24	27.88	48.96	70.03	91.10	133.25
Fort Meade	12.96	23.52	39.36	65.76	92.16	118.56	171.36
Fort Pierce Utilities Authority	6.01	16.03	31.07	56.12	81.18	108.84	164.16
Gainesville Regional Utilities	15.00	25.45	41.13	67.25	93.38	123.13	187.48
Green Cove Springs	12.00	21.50	33.75	59.50	84.25	107.00	160.50
Havana	6.00	16.16	31.41	56.81	82.21	107.61	158.42
Homestead	5.60	15.00	29.10	52.60	76.10	99.60	146.60
JEA	5.50	15.80	31.26	57.00	82.76	108.50	160.00
Keys Energy Services	18.00	29.70	47.25	76.50	105.75	135.00	193.50
Kissimmee Utility Authority	10.17	18.90	32.00	53.81	75.64	97.46	147.43
Lake Worth Utilities	10.53	20.28	34.90	59.26	83.63	107.99	170.38
Lakeland Electric	11.00	19.39	31.97	52.94	73.90	97.87	140.40
Leesburg	12.20	21.44	35.30	58.39	81.49	104.58	161.67
Moore Haven	8.50	18.06	32.40	56.30	80.20	104.10	151.90
Mount Dora	10.17	19.46	33.40	56.65	79.88	103.11	149.59
New Smyrna Beach	5.65	14.88	28.70	51.76	74.80	97.85	143.96
Newberry	8.50	19.10	35.00	61.50	88.00	114.50	167.50
Ocala Electric Utility	17.00	27.36	42.91	68.82	94.73	120.64	172.46
Orlando Utilities Commission	12.50	22.20	36.76	61.00	85.26	109.50	168.00
Quincy	6.00	16.65	32.62	59.25	85.86	112.48	165.73
Reedy Creek Improvement District	2.85	13.58	29.68	56.51	83.34	110.17	163.83
St. Cloud	13.00	23.09	38.23	63.44	88.67	113.88	174.72
Starke	6.45	16.86	32.47	58.48	84.50	110.51	173.54
Tallahassee	8.04	18.29	33.66	59.27	84.89	110.50	161.73
Wauchula	14.00	24.24	39.60	65.20	90.80	116.40	167.60
Williston	8.00	17.19	30.99	53.97	76.96	99.94	145.91
Winter Park	16.98	25.31	37.81	58.64	79.47	100.30	158.04

* Excludes local taxes, franchise fees, and gross receipts taxes that are billed as separate line items. Includes cost recovery clause charges.

Continued

Typical Electric Bill Comparison - Residential Charges *
December 31, 2020

Rural Electric Cooperative	Minimum Bill or Customer Charge	100 kWh	250 kWh	500 kWh	750 kWh	1,000 kWh	1,500 kWh
Central Florida Electric	$28.50	$37.75	$51.62	$74.75	$97.87	$121.00	$180.25
Choctawhatchee Electric	26.00	34.69	47.72	69.42	91.14	112.84	156.27
Clay Electric	23.00	31.39	43.98	64.95	85.93	106.90	158.25
Escambia River Electric	40.00	49.60	64.00	88.00	112.00	136.00	184.00
Florida Keys Electric	30.00	38.29	50.72	71.45	92.17	112.89	170.84
Glades Electric	45.00	53.40	66.00	87.00	108.00	129.00	189.75
Gulf Coast Electric	30.00	40.01	55.03	80.05	105.08	130.10	180.15
Lee County Electric	15.00	23.23	35.58	56.15	79.33	102.50	154.20
Okefenoke Rural Electric **	35.00	43.92	57.30	79.60	101.90	124.20	168.80
Peace River Electric	26.50	35.81	49.77	73.03	96.29	119.56	176.09
Sumter Electric	30.00	38.24	50.60	71.20	91.80	112.40	163.60
Suwannee Valley Electric	29.70	38.69	52.18	74.65	97.13	119.60	181.10
Talquin Electric	32.50	41.93	56.08	79.65	103.22	126.80	184.75
Tri-County Electric	28.00	38.30	53.75	79.50	105.25	131.00	194.50
West Florida Electric	24.95	36.25	53.19	81.44	109.67	137.91	204.17
Withlacoochee River Electric	34.16	42.37	54.69	75.23	95.76	116.29	158.49

* Excludes local taxes, franchise fees, and gross receipts taxes that are billed as separate line items. Includes cost recovery clause charges.

** Okefenoke sells power in Florida and Georgia; figures reflect Florida customers only.

Source: Florida Public Service Commission, Comparative Rate Statistics (December 2020), pp. A-1, A-2, and A-3.

Typical Electric Bill Comparison - Commercial and Industrial Charges *

December 31, 2020

Investor-Owned	75 kW 15,000 kWh	150 kW 45,000 kWh	500 kW 150,000 kWh	1,000 kW 400,000 kWh	2,000 kW 800,000 kWh
Duke Energy Florida, LLC	$1,847	$4,692	$15,606	$37,938	$75,862
Florida Power & Light Company	1,553	3,766	13,025	30,077	59,498
Florida Public Utilities Company					
Northwest Division	1,611	4,326	14,501	36,241	72,323
Northeast Division	1,611	4,326	14,501	36,241	72,323
Gulf Power Company	1,747	4,618	15,267	36,172	72,081
Tampa Electric Company	1,588	3,816	12,650	29,740	59,450

* Excludes local taxes, franchise fees, and gross receipts taxes that are billed as separate line items. Includes cost recovery clause charges.

Continued

Typical Electric Bill Comparison - Commercial and Industrial Charges *

December 31, 2020

Municipal	75 kW 15,000 kWh	150 kW 45,000 kWh	500 kW 150,000 kWh	1,000 kW 400,000 kWh	2,000 kW 800,000 kWh
Alachua	$1,810	$4,788	$15,853	$39,746	$79,446
Bartow	1,702	4,378	14,544	35,699	71,377
Beaches Energy Services	2,020	5,391	17,933	44,960	89,904
Blountstown	2,004	5,997	19,975	53,255	106,503
Bushnell	1,605	4,343	14,423	36,523	79,023
Chattahoochee	1,640	5,206	17,297	44,409	88,793
Clewiston	1,505	4,157	13,772	35,406	70,775
Fort Meade	1,736	4,947	16,392	40,502	80,962
Fort Pierce Utilities Authority	1,739	4,631	17,334	41,781	83,523
Gainesville Regional Utilities	2,291	5,911	19,470	47,090	93,830
Green Cove Springs	1,783	4,610	15,250	34,925	69,625
Havana	1,530	4,578	15,248	40,650	81,294
Homestead	1,700	4,551	15,086	38,046	76,056
JEA	1,715	4,345	14,286	35,567	70,799
Keys Energy Services	2,272	6,023	20,072	50,023	100,044
Kissimmee Utility Authority	1,707	4,343	14,347	35,202	70,348
Lake Worth Utilities	2,325	6,076	20,068	50,098	100,116
Lakeland Electric	1,454	3,651	12,555	29,439	58,404
Leesburg	1,786	4,292	14,655	33,853	70,653
Moore Haven	1,749	4,501	14,924	36,724	73,414
Mount Dora	1,244	3,267	10,838	27,003	53,983
New Smyrna Beach	1,751	4,680	14,646	36,834	73,634
Newberry	1,885	4,855	16,125	37,045	74,045
Ocala Electric Utility	1,676	4,456	15,078	37,218	74,386
Orlando Utilities Commission	1,652	4,129	13,675	32,578	65,006
Quincy	1,802	4,670	15,427	38,301	71,082
Reedy Creek Improvement District	1,684	4,436	14,740	36,709	73,398
St. Cloud	1,718	4,294	14,222	33,880	68,604
Starke	1,877	5,614	18,693	49,833	99,657
Tallahassee	1,898	4,498	14,723	34,493	68,911
Wauchula	1,616	4,352	14,425	36,515	72,995
Williston	1,541	4,198	13,715	34,490	68,930
Winter Park	1,345	3,619	12,022	30,344	60,670

* Excludes local taxes, franchise fees, and gross receipts taxes that are billed as separate line items. Includes cost recovery clause charges.

Continued

Typical Electric Bill Comparison - Commercial and Industrial Charges *
December 31, 2020

Rural Electric Cooperative	75 kW 15,000 kWh	150 kW 45,000 kWh	500 kW 150,000 kWh	1,000 kW 400,000 kWh	2,000 kW 800,000 kWh
Central Florida Electric	$1,873	$4,824	$15,849	$38,849	$77,599
Choctawhatchee Electric	1,390	3,627	11,353	28,567	57,091
Clay Electric	1,477	3,946	12,695	32,990	62,485
Escambia River Electric	1,843	4,790	15,850	39,350	78,650
Florida Keys Electric	1,666	4,847	15,985	42,486	84,898
Glades Electric	2,033	5,198	16,975	42,350	84,550
Gulf Coast Electric	1,714	4,068	13,465	33,423	66,803
Lee County Electric	1,533	4,019	13,333	33,178	66,328
Okefenoke Rural Electric **	1,742	4,141	13,475	32,120	64,100
Peace River Electric	1,711	4,264	13,413	32,298	64,446
Sumter Electric	1,461	3,776	12,400	30,950	61,820
Suwannee Valley Electric	1,712	4,574	15,250	37,450	74,650
Talquin Electric	1,694	4,683	15,803	36,067	71,809
Tri-County Electric	1,995	5,010	16,350	40,350	80,550
West Florida Electric	1,946	4,975	16,024	38,778	77,456
Withlacoochee River Electric	1,370	3,582	11,850	29,535	59,031

* Excludes local taxes, franchise fees, and gross receipts taxes that are billed as separate line items. Includes cost recovery clause charges.

** Okefenoke sells power in Florida and Georgia; figures reflect Florida customers only.

Source: Florida Public Service Commission, Comparative Rate Statistics (December 2020), pp. A-4, A-5, and A-6.

Economic and Financial Indicators

Table 37

Population (Thousands) 2011-2020

Year	Florida Population	National Population
2011	18,839	309,330
2012	19,058	311,592
2013	19,074	314,917
2014	19,553	316,129
2015	19,893	318,857
2016	20,271	321,419
2017	20,612	323,128
2018	20,984	325,719
2019	21,477	328,240
2020	21,538	331,449
Compound Annual Growth Rate, 2011-2020	1.50%	0.77%
Compound Annual Growth Rate, 2016-2020	1.53%	0.77%

Source: U.S. Census Bureau, State & County Quick Facts (July 2020), 2019 Population estimate. Retrieved from http://quickfacts.census.gov/qfd/states/12000.html

Table 38

Projected Population (Thousands) 2024-2044

Year	Florida Population	National Population
2024	23,139	344,234
2034	25,462	364,862
2044	27,150	381,390
Compound Annual Growth Rate, 2024-2044	0.84%	0.54%

Sources: The Office of Economic & Demographic Research (May 2020), Data: 2019 Population by County: Projections of Florida Population by County (EDR - 2019-2040). Retrieved from http://edr.state.fl.us/Content/population-demographics/data/index.cfm

U.S. Census Bureau, Population Projections (March 2020), 2019 National Population Projections Tables: Summary Tables, Projections of population size: Table 1. Projected population size and births, deaths, and migration (CSV - 2019 to 2060). Retrieved from https://www.census.gov/population/projections/data/national/2014/summarytables.html

Table 39

Consumer Price Index
All Urban Consumers
Annual Rate of Change
2011-2020

Year	All Urban Consumers
2011	3.2%
2012	2.1
2013	1.5
2014	1.6
2015	1
2016	1.3
2017	2.1
2018	2.4
2019	1.6
2020	1.4

Source: U.S. Government Publishing Office, Economic Indicators (January 2020), Prices: Changes in Consumer Prices - All Urban Consumers. Retrieved from http://www.gpo.gov/fdsys/browse/collection.action?collectionCode=ECONI

Table 40

Consumer Price Index
For All Items and Energy Total
2011-2020

Year	All Items	Energy Total *
2011	224.9	220.4
2012	229.6	219.0
2013	233.0	224.0
2014	236.7	243.5
2015	237.0	202.9
2016	240.0	189.5
2017	245.1	204.5
2018	251.1	219.9
2019	251.7	206.8
2020	260.5	205.1

* Includes household energy (electricity, gas, fuel, oil, etc.).

Source: U.S. Government Publishing Office, Economic Indicators (January 2020), Prices: Consumer Prices - All Urban Consumers. Retrieved from http://www.gpo.gov/fdsys/browse/collection.action?collectionCode=ECONI

Table 41

Producer Price Index
Total Finished Goods and Capital Equipment
2011-2020

Year	Finished Goods	Capital Equipment
2011	190.5	159.7
2012	194.2	162.8
2013	196.1	165.3
2014	191.9	167.7
2015	189.8	169.3
2016	195.6	170.6
2017	201.3	172.0
2018	201.7	176.7
2019	206.8	178.8
2020	207.6	181.2

Source: U.S. Department of Labor, Bureau of Labor and Statistics (January 2020), Producer Price Index. Retrieved from http://www.bls.gov/schedule/archives/ppi_nr.htm#current

Glossary

Average Annual kWh Use per Customer – Annual kilowatt-hour sales of a class of service (see **Classes of Electric Service** for list) divided by the average number of customers for the same 12-month period (usually refers to all residential customers, including those with electric space heating). A customer with two or more meters at the same location because of special services, such as water heating, etc., is counted as one customer.

Average rate of return - This method of appraisal measures the net return from an investment as a percentage of its original cost.

Average Adjusted Rate of Return –This method of appraisal measures the net return from an investment as a percentage of its original cost to include Florida Public Service Commission (FPSC) approved adjustments.

FPSC Authorized Rate of Return - This method of appraisal measures the midpoint rate of return based on the FPSC approved return on equity and utility financial statements.

BTU (British Thermal Unit) – The standard unit for measuring quantity of heat energy, such as the heat content of fuel. It is the amount of heat energy necessary to raise the temperature of one pound of water one degree Fahrenheit.

Content of Fuel, Average – The heat value per unit quantity of fuel expressed in BTU as determined from tests of fuel samples. Examples: BTU per pound of coal, per gallon of oil, etc.

BTU per Kilowatt-Hour – See **Heat Rate**.

Capability – The maximum load which a generating unit, generating station, or other electrical apparatus can carry under specified conditions for a given period of time, without exceeding approved limits of temperature and stress.

Customer-Owned Solar Photovoltaic Generation – Customers who install renewable energy generation systems (RGS) on their homes or businesses, such as solar photovoltaic (PV) systems, can interconnect with the distribution system and receive a billing credit for the solar energy they do not use.

Gross System – The net generating station capability of a system at a stated period of time (usually at the time of the system's maximum load), plus capability available at such time from other sources through firm power contracts.

Note: The Florida Electric Power Coordinating Group and much of the utility industry prefer a different definition. Their use of the word relates to the capability at the generator terminals and would therefore be defined as the "total capability of a system's generating units measured at their terminals."

Margin of Reserve – See **Capability Margin**.

Net Generating Station – The capability of a generating station as demonstrated by test or as determined by actual operating experience less power generated and used for auxiliaries and other station uses. Capability may vary with the character of the load, time of year (due to circulating water temperatures in thermal stations or availability of water in hydro stations), and other characteristic causes. Capability is sometimes referred to as Effective Rating.

Net System – The net generating station capability of a system at a stated period of time (usually at the time of the system's maximum load), plus capability available at such time from other sources through firm power contracts, less firm power obligations at such time to other companies or systems.

Peaking – Generating capability normally designed for use during the maximum load period of a designated time interval.

Capability Margin/Reserve Margin – The difference between net system capability and system maximum load requirements, operating requirements, and unforeseen loads.

Capacity – The load for which a generating unit, generating station, or other electrical apparatus is rated either by the use or by the manufacturer. See also Nameplate Rating.

Dependable – The load-carrying ability for the time interval and period specified when related to the characteristics of the load to be supplied. Dependable capacity of a station is determined by such factors as capability, operating power factor, and portion of the load which the station is to supply.

Hydraulic – The rating of a hydroelectric generating unit of the sum of such ratings for all units in a station or stations.

Installed Generating – See **Nameplate Rating**.

Peaking – Generating units or stations which are available to assist in meeting that portion of peak load which is above base load.

Purchase – The amount of power available for purchase from a source outside the system to supply energy or capacity.

Renewable Generation Capacity – is generally defined as energy that is collected from resources which are naturally replenished on a human timescale, such as sunlight, wind, rain, tides, waves, and geothermal heat.

Reserve:

Cold – Thermal generating units available for service but not maintained at operating temperature.

Hot – Thermal generating units available, up to temperature, and ready for service, although not actually in operation.

Margin of – See **Capability Margin**.

Spinning – Generating units connected to the bus and ready to take load.

Thermal – The rating of a thermal electric generating unit or the sum of such ratings for all units in a station or stations.

Total Available – See **Capability, Gross System**.

Charge, Electric Energy – See **Energy, Electric**.

Classes of Electric Service – See class name for each definition.

Sales to Ultimate Customers: *

- Residential
- Commercial and Industrial
  - Commercial
  - Industrial
  - Small Light and Power
  - Large Light and Power
- Public Street and Highway Lighting
- Other Public Authorities
- Railroads and Railways
- Interdepartmental

Sales for Resale (Other Electric Utilities):

- Investor-Owned
- Cooperatively-Owned
- Municipally-Owned
- Federal and State Electric Agencies

* Companies serve rural customers under distinct rural rates and classify these sales as "Rural." However, many companies serve customers in rural areas under standard Residential, Commercial, and Industrial rates and classify such sales similarly. Consequently, "Rural" is a rate classification rather than a customer classification, and since "Rural" is frequently confused with "Farm Service" (a type of Residential and/or Commercial service), the "Rural" classification has been generally discontinued as a customer classification.

Classes of Electric Systems – Federal Power Commission groupings (as of 1968) of operating systems based on volume and kinds of electric output for the purpose of reporting power system operations.

Basis of Classification Systems which generate all or part of system requirements and whose net energy for system for the year reported was:	Class of System
More than 100,000,000 kilowatt-hours.	**I**
20,000,000 to 100,000,000 kilowatt-hours.	**II**
Less than 20,000,000 kilowatt-hours.	**III**
Systems engaged primarily in sales for resale and/or sales to industrial, all other sales being negligible.	**IV**
Systems which obtain entire energy requirements from other systems.	**V**

Combined Cycle – Consists of three components: two combustion turbines, each with its own generator, and one steam boiler with associated steam turbine generator. The normally wasted combustion may also be supplementally fired.

Conventional Fuels – The fossil fuels: coal, oil, or gas.

Cooperative, Rural Electric – See **Rural**.

Cooperatives (Cooperatively-Owned Electric Utilities) – A joint venture organized for the purpose of supplying electric energy to a specified area. Such ventures are generally exempt from the federal income tax laws. Most cooperatives have been financed by the Rural Electrification Administration.

Customer (Electric) – A customer is an individual, firm, organization, or other electric utility which purchases electric service at one location under one rate classification, contract, or schedule. If service is supplied to a customer at more than one location, each location shall be counted as a separate customer unless consumption is combined before the bill is calculated.

Note 1: If service is supplied to a customer at one location through more than one meter and under several rate classifications or schedules but only for one class of service (for example, separate meters for residential regular and water heating service), such multiple rate services shall be counted as only one customer at the one location.

Note 2: Where service is used for one part of a month (prorated period), only initial bills of customers during such month only shall be counted; final bills should not be counted as customers.

Note 3: See also **Ultimate Customers**.

Demand – The rate at which electric energy is delivered to or by a system, part of a system, or a piece of equipment expressed in kilowatts, kilovolt-amperes, or other suitable unit at a given instant or averaged over any designated period of time. The primary source of "Demand" is the power-consuming equipment of the customers. See **Load**.

Annual Maximum – The greatest of all demands of the load under consideration which occurred during a prescribed demand interval in a calendar year.

Annual System Maximum – The greatest demand on an electric system during a prescribed demand interval in a calendar year.

Demand Continued

Average – The demand on, or the power output of, an electric system or any of its parts over any interval of time, as determined by dividing the total number of kilowatt-hours by the number of units of time in the interval.

Billing – The demand upon which billing to a customer is based, as specified in a rate schedule or contract. Billing may be based on the contract year, a contract minimum, or a previous maximum and, therefore, does not necessarily coincide with the actual measured demand of the billing period.

Coincident – The sum of two or more demands which occur in the same demand interval.

Instantaneous Peak – The maximum demand at the instant of greatest load, usually determined from the readings of indicating or graphic meters.

Integrated – The demand usually determined by an integrating demand meter or by the integration of a load curve. An integrated demand is the summation of the continuously varying instantaneous demands during a specified demand interval.

Maximum – The greatest of all demands of the load under consideration which has occurred during a specified period of time.

Noncoincident – The sum of two or more individual demands which do not occur in the same demand interval. This term is meaningful only when considering demands within a limited period of time, such as a day, week, month, a heating or cooling season, and usually not for more than one year.

Electric Utility Industry or Electric Utilities – All enterprises engaged in the production and/or distribution of electricity for use by the public, including investor-owned electric utility companies; cooperatively-owned electric utilities; government-owned electric utilities (municipal systems, federal agencies, state projects, and public power districts); and, where the data are not separable, those industrial plants contributing to the public supply.

Energy, Electric – As commonly used in the electric utility industry, electric energy means kilowatt-hours.

Fuel Costs (Most Commonly Used by Electric Utility Companies)

Cents per Million BTU Consumed – Since coal is purchased on the basis of its heat content, its cost is measured by computing the "cents per million BTU" of the fuel consumed. This figure is the total cost of fuel consumed divided by its total BTU content, and the answer is then divided by one million.

Coal – Average cost per (short) ton (dollars per ton) – includes bituminous and anthracite coal and relatively small amounts of coke, lignite, and wood.

Gas – Average cost per MCF (cents per thousand cubic feet) – includes natural, manufactured, mixed, and waste gas. Frequently expressed as cost per therm (100,000 BTU).

Nuclear – Nuclear fuel costs can be given on a fuel cycle basis. A fuel cycle consists of all the steps associated with procurement, use, and disposal of nuclear fuel. According for the cost of each step in the fuel cycle including interest charges, nuclear fuel costs can be given in cents per million BTU or mills per kilowatt-hour for the cycle lifetime of the fuel which is normally five to six years.

Oil – Average cost per barrel – 42 U.S. gallons (dollars per barrel) – includes fuel oil, crude and diesel oil, and small amounts of tar and gasoline.

Fuel Efficiency – See **Heat Rate**.

Fuel for Electric Generation – Includes all types of fuel (solid, liquid, gaseous, and nuclear) used exclusively for the production of electric energy.

Gas – A fuel burned under boilers by internal combustion engines and gas turbines for electric generation. Includes natural, manufactured, mixed, and waste gas. See **Gas – MCF** and also **Therm**.

Gas - Fuel Costs – See **Fuel Costs**.

Gas - MCF – 1,000 cubic feet of gas.

Generating Capability – See **Capability, Net Generating Station**.

Generating Station (Generating Plant or Power Plant) – A station with prime movers, electric generators, and auxiliary equipment for converting mechanical, chemical, and/or nuclear energy into electric energy.

Atomic – See **Nuclear**.

Gas Turbine – An electric generating station in which the prime mover is a gas turbine engine.

Generating Station Capability – See **Capability, Net Generating Station**.

Generating Unit – An electric generator together with its prime mover.

Generation, Electric – This term refers to the act or process of transforming other forms of energy into electric energy, or to the amount of electric energy so produced, expressed in kilowatt-hours.

Gross – The total amount of electric energy produced by the generating units in a generating station or stations.

Net – Gross generation less kilowatt-hours consumed out of gross generation for station use.

Geothermal – An electric generating station in which the prime mover is a steam turbine. The steam is generated in the earth by heat from the earth's magma.

Hydroelectric – An electric generation station in which the prime mover is a hydraulic turbine.

Internal Combustion – An electric generating station in which the prime mover is an internal combustion engine.

Nuclear – An electric generating station in which the prime mover is a steam turbine. The steam is generated in a reactor by heat from the fissioning of nuclear fuel.

Steam (Conventional) – An electric generating station in which the prime mover is a steam turbine. The steam is generated in a boiler by heat from burning fossil fuels.

Gigawatt-Hour (GWh) – One million kilowatt-hours, one thousand megawatt-hours, or one billion watt-hours.

Heat Rate – A measure of generating station thermal efficiency, generally expressed in BTU per net kilowatt-hour. The heat rate is computed by dividing the total BTU content of fuel burned for electric generation by the resulting net kilowatt-hour generation.

Industrial – See **Commercial and Industrial**.

Interdepartmental Sales – Kilowatt-hour sales of electric energy to other departments (gas, steam, water, etc.) and the dollar value of such sales at tariff or other specified rates for the energy supplied.

Internal Combustion Engine – A prime mover in which energy released from rapid burning of a fuel-air mixture is converted into mechanical energy. Diesel, gasoline, and gas engines are the principal types in this category.

Investor-Owned Electric Utilities – Those electric utilities organized as tax-paying businesses usually financed by the sale of securities in the free market, and whose properties are managed by representatives regularly elected by their shareholders. Investor-owned electric utilities, which may by owned by an individual proprietor or a small group of people, are usually corporations owned by the general public.

Kilowatt (kW) – 1,000 watts. See **Watt**.

Kilowatt-Hour (kWh) – The basic unit of electric energy equal to one kilowatt of power supplied to or taken from an electric circuit steadily for one hour.

Kilowatt-Hours per Capita – Net generation in the United States divided by the national population, or the corresponding ratio for any other area.

Large Light and Power – See **Classes of Electric Services, Sales to Ultimate Customers**.

Load – The amount of electric power delivered or required at any specified point or points on a system. Load originates primarily at the power-consuming equipment of the customers. See **Demand**.

> **Average** – See **Demand, Average**.
>
> **Base** – The minimum load over a given period of time.
>
> **Connected** – Connected load is the sum of the capacities or rating of the electric power-consuming apparatus connected to a supplying system, or any part of the system under consideration.
>
> **Peak** – See **Demand, Maximum** and also **Demand, Instantaneous Peak**.

Load Factor – The ratio of the average load in kilowatts supplied during a designated period to the peak or maximum load in kilowatts occurring in that period. Load factor, in percent, also may be derived by multiplying the kilowatt-hours in the period by 100 and dividing by the product of the maximum demand in kilowatts and the number of hours in the period.

Loss (Losses) – The general term applied to energy (kilowatt-hours) and power (kilowatts) lost in the operation of an electric system. Losses occur principally as energy transformations from kilowatt-hours to waste heat in electric conductors and apparatus.

> **Average** – The total difference in energy input and output or power input and output (due to losses) averaged over a time interval and expressed either in physical quantities or as a percentage of total input.
>
> **Energy** – The kilowatt-hours lost in the operation of an electric system.
>
> **Line** – Kilowatt-hours and kilowatts lost in transmission and distribution lines under specified conditions.

Loss (Losses) Continued

Peak Percent – The difference between the power input and output, as a result of losses due to the transfer of power between two or more points on a system at the time of maximum load, divided by the power input.

System – The difference between the system net energy or power input and output, resulting from characteristic losses and unaccounted for between the sources of supply and the metering points of delivery on a system.

Margin of Reserve Capacity – See **Capability Margin**.

Maximum Demand – See **Demand, Maximum**.

Maximum Load – See **Demand, Maximum**.

Megawatt (MW) – 1,000 kilowatts. See **Watt**.

Megawatt-Hour (MWh) – 1,000 kilowatt-hours. See **Kilowatt-Hours**.

Municipally-Owned Electric System – An electric utility system owned and/or operated by a municipality engaged in serving residential, commercial, and/or industrial customers, usually, but not always, within the boundaries of the municipality.

Nameplate Rating – The full-load continuous rating of a generator, prime mover, or other electrical equipment under specified conditions as designated by the manufacturer. The nameplate rating is usually indicated on a nameplate attached to the individual machine or device. The nameplate rating of a steam electric turbine-generator wet is the guaranteed continuous output in kilowatts or KVA (kilovolt-amperes = 1,000 volt-amperes) and power factor at generator terminals when the turbine is clean and operating under specified throttle steam pressure and temperature, specified reheat temperature, specified exhaust pressure, and with full extraction from all extraction openings.

Net Capability – See **Capability, Net Generating Station**.

Net Energy for Load – A term used in Federal Energy Regulatory Commission reports and comprising:

1. The net generation by the system's own plants, plus
2. Energy received from others (exclusive of receipts for borderline customers), less
3. Energy delivered for resale to those Class I and II systems which obtain a part of their power supply from sources other than the company's system.

Net Energy for System – A term used in Federal Energy Regulatory Commission reports and comprising:

1. The net generation by the system's own plants, plus
2. Energy received from others (exclusive of receipts for borderline customers), less
3. Energy delivered for resale to those Class I and II systems which obtain a part of their power supply from sources other than the company's system, plus
4. Energy received for borderline customers, less
5. Energy delivered for resale to all systems other than those specified in Item 3 preceding.

Net Generating Station Capability – See **Capability, Net Generating Station**.

Net Generation – See **Generation, Electric – Net**.

Net Plant Capability – See **Capability, Net Generating Station**.

Nuclear Energy – Energy produced in the form of heat during the fission process in a nuclear reactor. When released in sufficient and controlled quantity, this heat energy may be used to produce steam to drive a turbine-generator and thus be converted to electrical energy.

Nuclear (Atomic) Fuel – Material containing fissionable materials of such composition and enrichment that when placed in a nuclear reactor will support a self-sustaining fission chain reaction and produce heat in a controlled manner for process use.

Prime Mover – The engine, turbine, water wheel, or similar machine which drives an electric generator.

Public Street and Highway Lighting – A customer, sales, and revenue classification covering electric energy supplied and services rendered for lighting streets, highways, parks, and other public places, or for traffic or other signal service, for municipalities or other divisions or agencies of federal or state governments.

Publicly Owned Electric Utilities (Government-Owned Electric Utilities and Agencies) – When used in statistical tables to indicate class of ownership, this term includes municipally-owned electric systems and federal and state public power projects. Cooperatives are not included in this grouping.

Renewable Generation Capacity – See **Capacity**.

Reserve Capacity – See **Capacity**.

Residential – A customer, sales, or revenue classification covering electric energy supplied for residential (household) purposes. The classification of an individual customer's account where the use is both residential and commercial is based on principal use.

Rural – A rate classification covering electric energy supplied to rural and farm customers under distinct rural rates. See **Classes of Electric Service.**

Sales for Resale – A customer, sales, and revenue classification covering electric energy supplied (except under interchange agreements) to other electric utilities or to public authorities for resale or distribution. Includes sales for resale to cooperatives, municipalities, and federal and state electric agencies.

Service Area – Territory in which a utility system is required or has the right to supply electric service to ultimate customers.

Solar Photovoltaic (PV) – These devices generate electricity directly from sunlight via an electronic process that occurs naturally in certain types of material, called semiconductors. Electrons in these materials are freed by solar energy and can be induced to travel through an electrical circuit, powering electrical devices or sending electricity to the grid.

Station Use (Generating) – The kilowatt-hours used at an electric generating station for such purposes as excitation and operation of auxiliary and other facilities essential to the operation of the station. Station use includes electric energy supplied from house generators, main generators, the transmission system, and any other sources. The quantity of energy used is the difference between the gross generation plus any supply from outside the station and the net output of the station.

Summer Peak – The greatest load on an electric system during any prescribed demand interval in the summer or cooling season, usually between June 1 and September 30.

System, Electric – The physically connected generation, transmission, distribution, and other facilities operated as an integral unit under one control, management, or operating supervision.

System Load – See **Demand**.

System Loss – See **Loss (Losses)**.

Therm – 100,000 BTUs. See **BTU (British Thermal Unit)**.

Thermal – A term used to identify a type of electric generating station, capacity or capability, or output in which the source of energy for the prime mover is heat.

Turbine (Steam or Gas) – An enclosed rotary type of prime mover in which heat energy in steam or gas is converted into mechanical energy by the force of a high velocity flow of steam or gases directed against successive rows of radial blades fastened to a central shaft.

Ultimate Customers – Those customers purchasing electricity for their own use and not for resale. See **Classes of Electric Service**.

Uses and Losses – "Uses" refers to the electricity used by the electric companies for their own purposes and "losses" refers to transmission losses.

Utility Rate Structure – A utility's approved schedule of charges for billing utility service rendered to various classes of its customers.

Volt-Ampere – The basic unit of apparent power. The volt-amperes of an electric circuit are the mathematical product of the volts and amperes of the circuit.

Watt – The electrical unit of power or rate of doing work; also the rate of energy transfer equivalent to one ampere flowing under a pressure of one volt at unity power factor. A watt is analogous to horsepower or foot-pounds per minute of mechanical power. One horsepower is equivalent to approximately 746 watts.

Winter Peak – The greatest load on an electric system during any prescribed demand interval in the winter or heating season, usually between December 1 of a calendar year and March 31 of the next calendar year.

Sources: Edison Electric Institute
Florida Electric Power Coordinating Group, Inc.
Florida Office of Energy