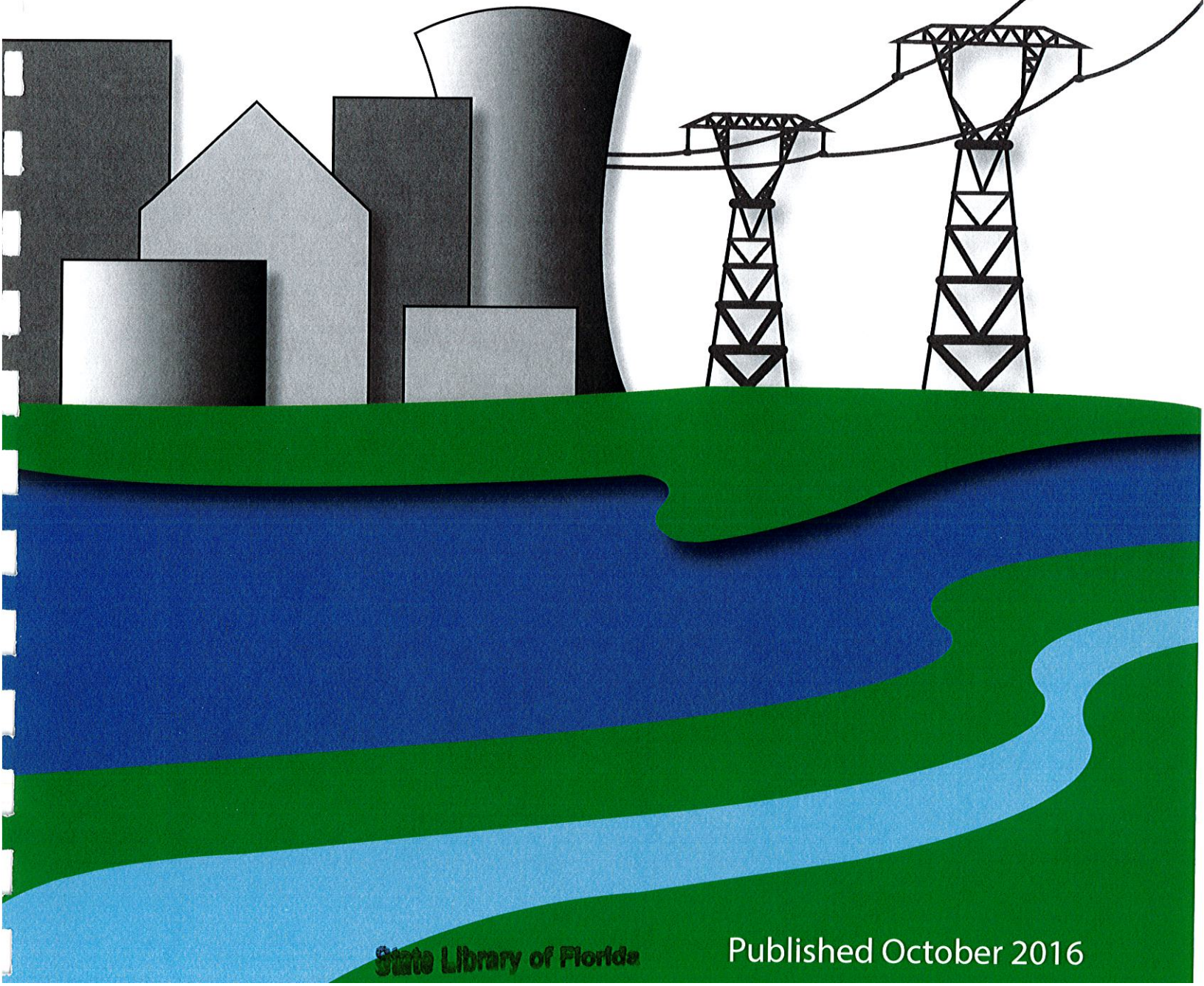


STATISTICS OF THE
**Florida Electric
Utility Industry**



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COMMISSION



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**Statistics of the
Florida Electric Utility Industry
2015**

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's
Office of Industry Development and Market Analysis

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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
EIA Energy Information Administration
EEI Edison Electric Institute
FCG Florida Electric Power Coordinating Group, Inc.
FERC Federal Energy Regulatory Commission (formerly FPC)
FPC Federal Power Commission
FPSC Florida Public Service Commission
FRCC Florida Reliability Coordinating Council (formerly FCG)

BBL Barrel (42 gallons)
BTU British Thermal Unit
ECS Extended Cold Standby
IC & GT Internal Combustion and Gas Turbine
MCF Thousands of 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-Hour (KWH) = 1,000 watt-hours
Megawatt-Hour (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 Turbin
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

Capability

MW-S = Megawatt Summer

MW-W = Megawatt Winter

NMPLT = Nameplate

Net summer and winter continuous capacity and generator maximum nameplate rating. If unit is to undergo a change or modification, these columns indicate rating change.

Load Factor Formula

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

Where:

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

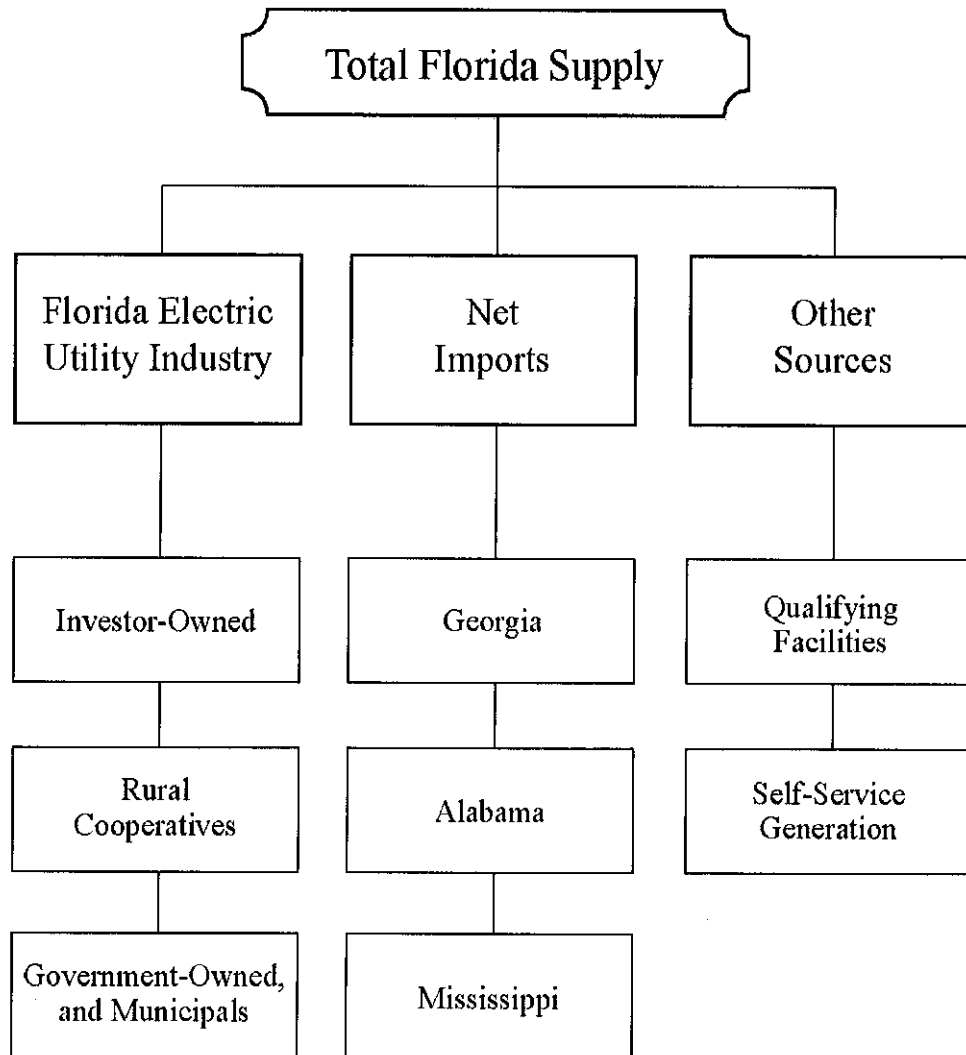
Peak Load = That 60 minute demand interval for which gross generated MWH was highest for the year.

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.

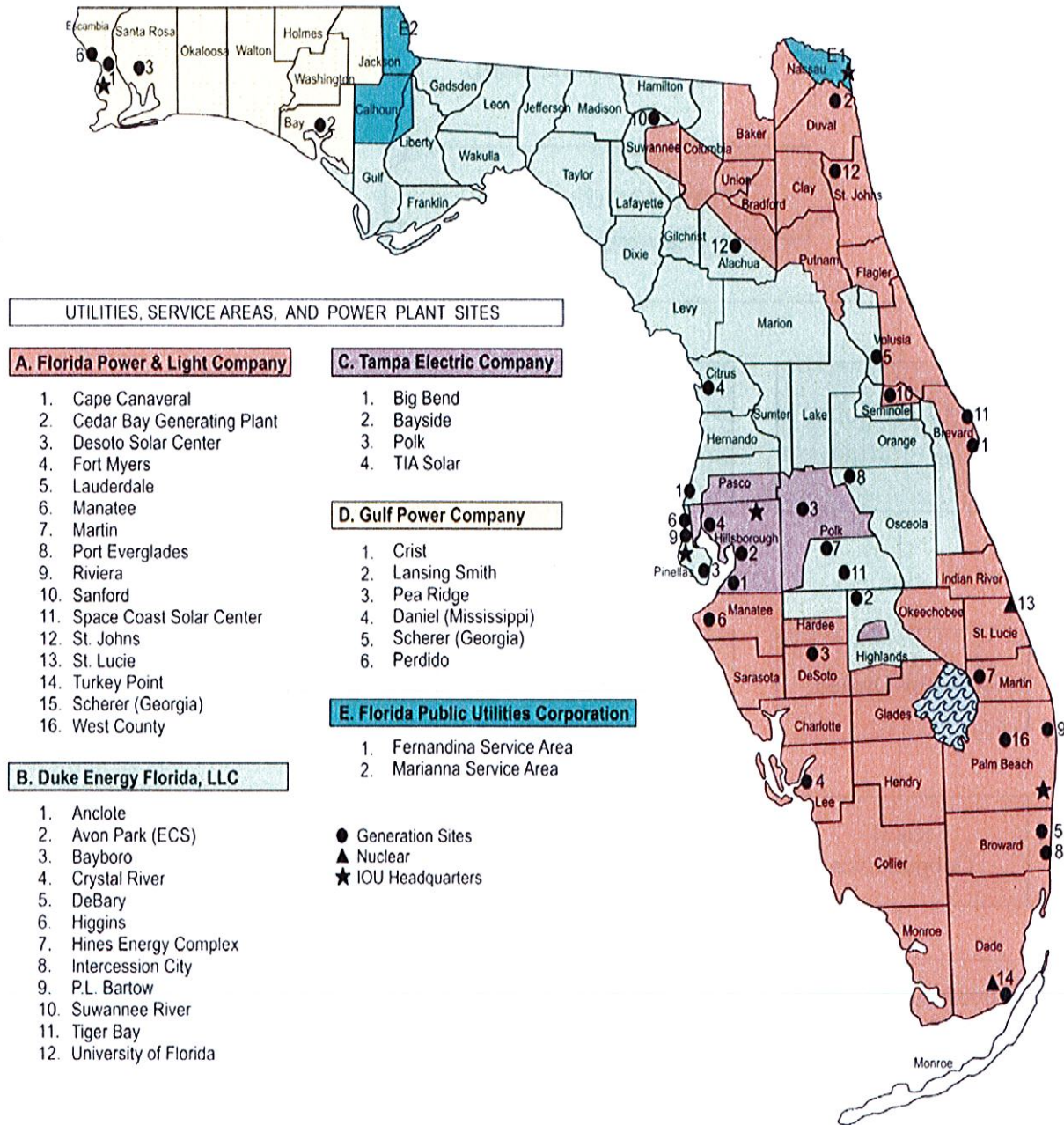
The closer the load factor is to one, the flatter the load curve is or the lower the difference between maximum and minimum levels of use over a one-year period. The closer the load factor is to zero, the greater this difference is, and therefore, the magnitude of peaking across the load curve is greater.

Overview

Florida Sources of Electricity by Type of Ownership



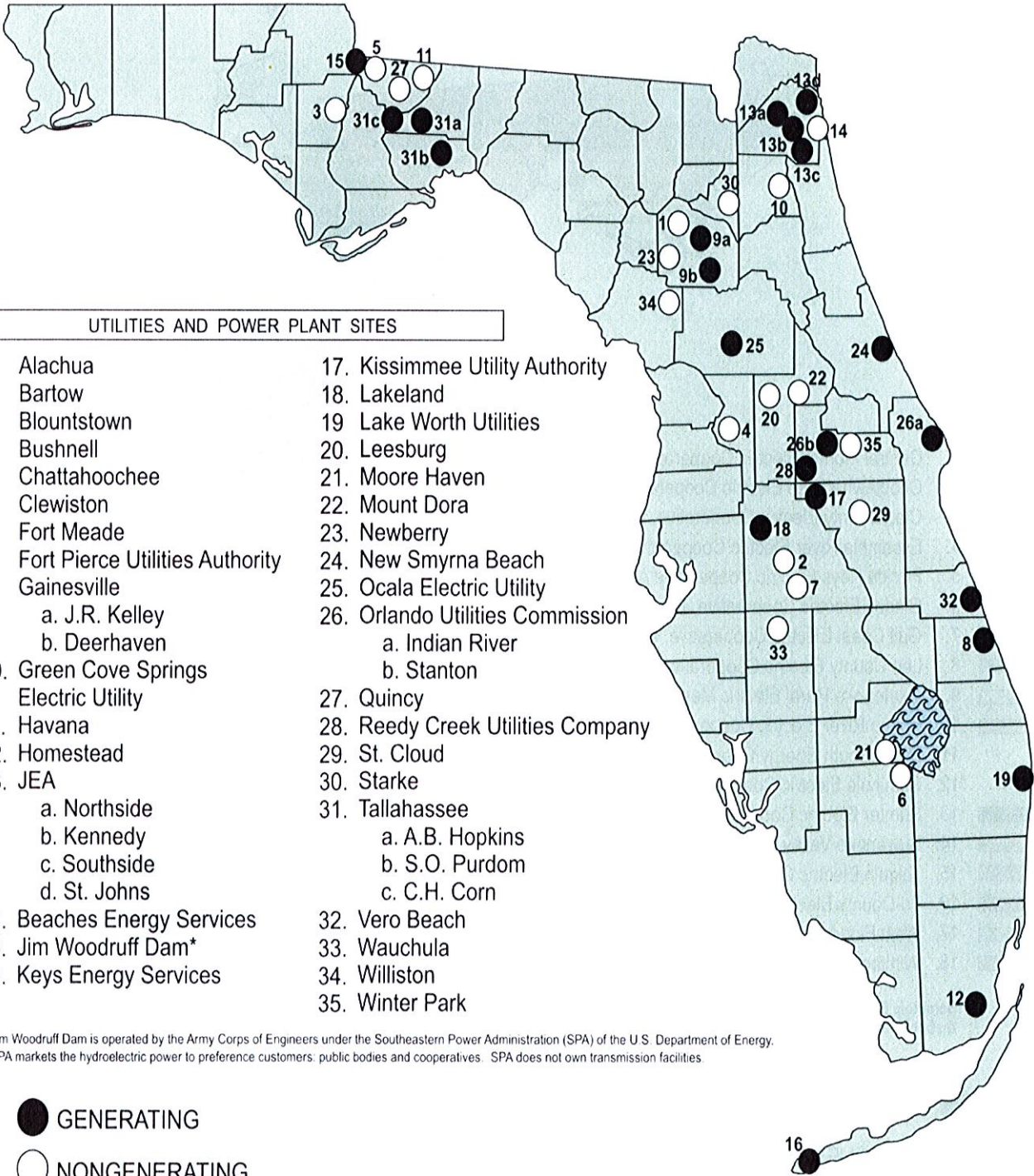
Investor-Owned Electric Utilities



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 Utilities

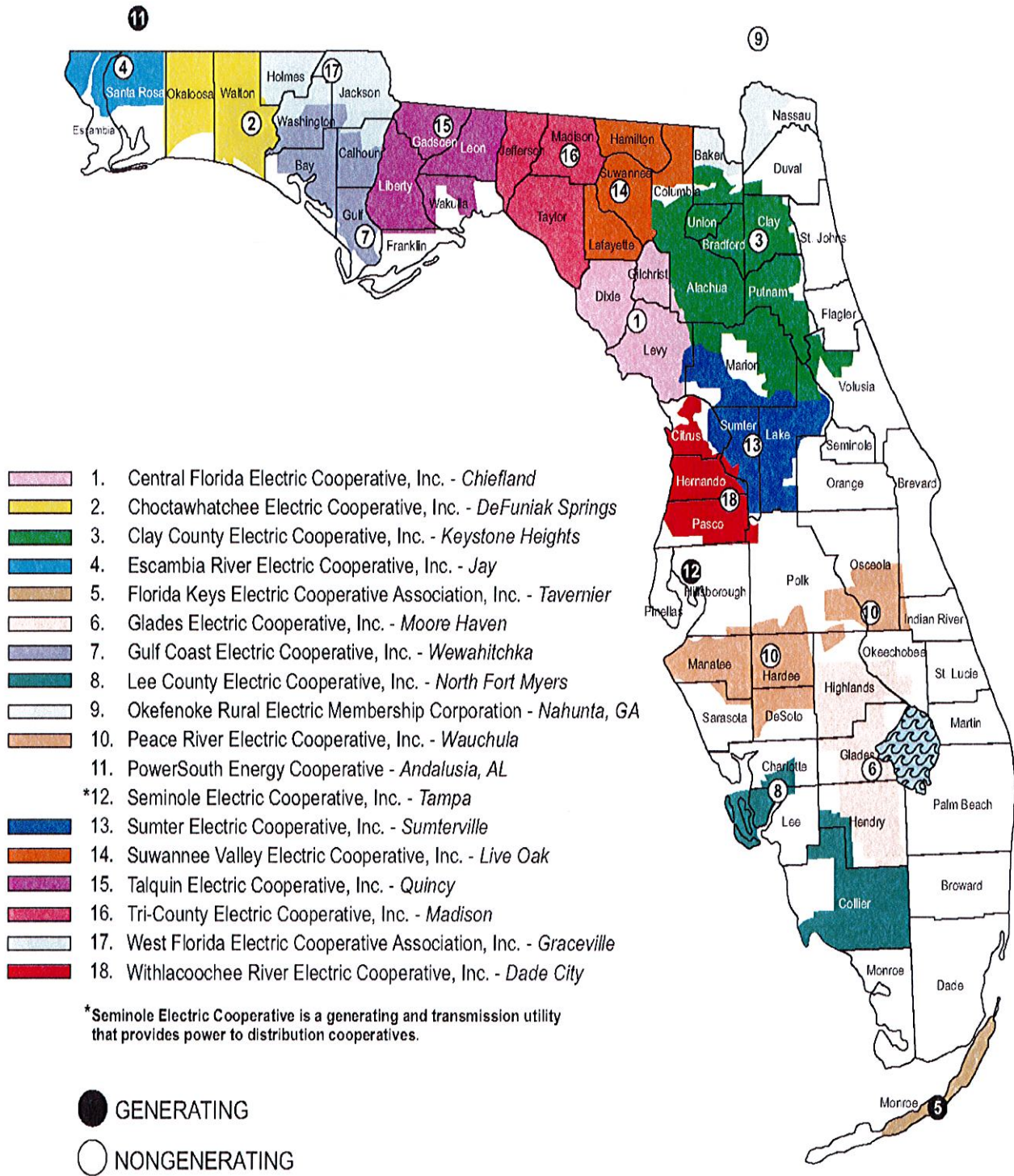


* Jim Woodruff Dam is operated by the Army Corps of Engineers under the Southeastern Power Administration (SPA) of the U.S. Department of Energy. SPA markets the hydroelectric power to preference customers: public bodies and cooperatives. SPA does not own transmission facilities.

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.

Rural Electric Utilities



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 Electric Utility Industry 2015

Investor-Owned Systems

Duke Energy Florida, LLC (DEF)
Florida Power & Light Company (FPL)
Florida Public Utilities Company (FPUC)
Gulf Power Company (GPC)
Tampa Electric Company (TECO)

Generating Municipal Systems

Florida Municipal Power Agency (FMPA)
Fort Pierce Utilities Authority (FTP)
Gainesville Regional Utilities (GRU)
Homestead, City of (HST)
JEA (formerly Jacksonville Electric Authority)
Keys Energy Services (formerly Key West Utility Board)
Kissimmee Utility Authority (KUA)
Lake Worth Utilities, City of
Lakeland, City of (LAK)
New Smyrna Beach, Utilities Commission of (NSB)
Ocala Electric Utility (OEU)
Orlando Utilities Commission (OUC)
Reedy Creek Utilities Company, Inc. (RCU)
St. Cloud, City of (STC)*
Tallahassee, City of (TAL)
Vero Beach, City of (VER)

Generating Rural Electric Cooperatives

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

Generating - Other

Southeastern Power Administration (SPA)
(Jim Woodruff Dam)

Non-Generating Municipal Systems

Alachua, City of (ALA)
Bartow, City of (BAR)
Beaches Energy Services (formerly City of Jacksonville Beach)
Blountstown, City of (BLT)
Bushnell, City of (BUS)
Chattahoochee, City of (CHA)
Clewiston, City of (CLE)
Fort Meade, City of (FMD)
Green Cove Springs, City of (GCS)
Havana, Town of (HAV)
Leesburg, City of (LEE)
Moore Haven, City of (MHN)
Mount Dora, City of (MTD)
Newberry, City of (NEW)
Quincy, City of (QUI)
Starke, City of (STK)
Wauchula, City of (WAU)
Williston, City of (WIL)
Winter Park, City of (WPK)

Non-Generating Rural Electric Cooperatives

Central Florida Electric Cooperative, Inc. (CFC)
Choctawhatchee Electric Cooperative, Inc. (CHW)
Clay County Electric Cooperative, Inc. (CEC)
Escambia River Electric Cooperative, Inc. (ESC)
Glades Electric Cooperative, Inc. (GEC)
Gulf Coast Electric Cooperative, Inc. (GCC)
Lee County Electric Cooperative, Inc. (LEC)
Okefenokee Rural Electric Membership Corporation (OKC)
Peace River Electric Cooperative, Inc. (PRC)
Sumter Electric Cooperative, Inc. (SMC)
Suwannee Valley Electric Cooperative, Inc. (SVC)
Talquin Electric Cooperative, Inc. (TAC)
Tri-County Electric Cooperative, Inc. (TRC)
West Florida Electric Cooperative Association, Inc. (WFC)
Withlacoochee River Electric Cooperative, Inc. (WRC)

*St. Cloud is served by Orlando Utilities Commission.

**Seminole is a wholesale-only generating and transmission utility that provides power to distribution cooperatives.

Counties Served by Generating Electric Utilities 2015

| Utility | County |
|------------------------------------|---|
| Investor-Owned Systems | |
| 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, Dade, DeSoto, Duval, Flagler, Glades, Hardee, Hendry, Highlands, Indian River, Lee, Manatee, Martin, 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 Systems | |
| Fort Pierce Utilities Authority | St. Lucie |
| Gainesville Regional Utilities | Alachua |
| Homestead | Dade |
| JEA | Clay, Duval, St. Johns |
| Keys Energy Services | Monroe |
| Kissimmee Utility Authority | Osceola |
| Lakeland | Polk |
| Lake Worth Utilities Authority | Palm Beach |
| New Smyrna Beach | Volusia |
| Orlando Utilities Commission | Orange |
| Reedy Creek Utilities Company | Orange |
| Starke | Bradford |
| Tallahassee | Leon |
| Vero Beach | Indian River |
| Rural Electric Cooperatives | |
| Florida Keys Electric Co-op | Monroe |

Counties Served by Non-Generating Electric Utilities 2015

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

Highlights of the Florida Electric Utility Industry 2011-2015

| | 2011 | 2012 | 2013 | 2014 | 2015 |
|---|----------|----------|----------|----------|----------|
| Total Installed Capacity (Megawatts) | 56,973 | 57,454 | 57,999 | 58,888 | 58,422 |
| Installed Capacity by Fuel Type (Percentage) | | | | | |
| Natural Gas | 51% | 51% | 54% | 55% | 55% |
| Coal | 21 | 21 | 21 | 21 | 21 |
| Nuclear | 7 | 7 | 6 | 6 | 6 |
| Other ¹ | 20 | 21 | 19 | 18 | 18 |
| Total Installed Capacity (Percentage) | 100% | 100% | 100% | 100% | 100% |
| Energy Sales (Gigawatt-hours) | | | | | |
| Residential | 110,692 | 104,028 | 104,999 | 116,529 | 122,535 |
| Commercial | 75,402 | 74,211 | 74,146 | 76,238 | 88,530 |
| Industrial | 19,731 | 18,454 | 18,487 | 25,913 | 16,617 |
| Other | 7,282 | 7,038 | 6,973 | 7,998 | 6,437 |
| Total Energy Sales | 213,107 | 203,731 | 204,605 | 226,678 | 234,119 |
| Number of Customers (1,000s) | | | | | |
| Residential | 8,123 | 7,967 | 8,076 | 8,881 | 9,130 |
| Commercial | 1,002 | 977 | 985 | 1,079 | 1,133 |
| Industrial | 24 | 24 | 29 | 41 | 20 |
| Other | 74 | 127 | 131 | 199 | 132 |
| Total Number of Customers | 9,223 | 9,095 | 9,221 | 10,200 | 10,416 |
| Average Residential Bill (1000 KWhs)² | \$124.79 | \$122.15 | \$123.75 | \$125.50 | \$116.62 |

¹ Other includes: Oil, Interchange, Non-Utility Generator and Renewables.

² Unweighted average of all utilities: IOU, Municipal and Cooperatives

Source: Florida Regional Load and Resource Plan, page S-9, 2010-2014; Florida Public Service Commission, Review of Ten-Year Site Plans, 2011-2014;
Florida Public Service Commission, Statistics of the Florida Electric Utility Industry, Tables 24 and 31, 2010-2014.

**Financial Statistics of
Investor-Owned Utilities (IOUs)**

Table 1
Rate of Return
2011-2015

| | 2011 | 2012 | 2013 | 2014 | 2015 |
|--|---------|---------|---------|---------|----------|
| Average per Book Rate of Return | | | | | |
| Duke Energy Florida, LLC | 5.31% | 6.11% | 6.93% | 6.10% | 5.70% |
| Florida Power & Light Company | 7.37 | 7.04 | 7.02 | 7.58 | 7.59 |
| Gulf Power Company | 5.56 | 5.89 | 5.53 | 5.55 | 5.45 |
| Tampa Electric Company | 7.50 | 6.95 | 6.16 | 6.56 | 6.52 |
| Average Adjusted Rate of Return | | | | | |
| Duke Energy Florida, LLC | 5.36% | 5.45% | 7.14% | 6.48% | 6.70% |
| Florida Power & Light Company | 6.90 | 6.83 | 6.57 | 6.81 | 6.84 |
| Gulf Power Company | 4.20 | 5.45 | 5.10 | 5.73 | 5.79 |
| Tampa Electric Company | 7.47 | 6.91 | 6.12 | 6.66 | 6.64 |
| FPSC Authorized Rate of Return * | | | | | |
| Duke Energy Florida, LLC | 7.32% | 7.23% | 7.04% | 7.02% | 6.90% |
| Florida Power & Light Company | 6.43 | 6.36 | 6.36 | 6.34 | 6.37 |
| Gulf Power Company | 6.90 | 6.05 | 5.75 | 5.75 | 5.56 |
| Tampa Electric Company | 7.68 | 7.28 | 6.48 | 6.30 | 6.22 |
| Adjusted Jurisdictional Year-End Rate Base (Millions) | | | | | |
| Duke Energy Florida, LLC | \$7,266 | \$7,648 | \$8,353 | \$9,556 | \$10,133 |
| Florida Power & Light Company | 19,378 | 21,015 | 24,417 | 26,472 | 27,760 |
| Gulf Power Company | 1,656 | 1,813 | 1,925 | 1,930 | 2,000 |
| Tampa Electric Company | 3,848 | 3,812 | 4,026 | 4,248 | 4,445 |

* Average Capital Structure - Midpoint.

Source: Florida Public Service Commission, December 2015 Earnings Surveillance Report, Schedule 1; Florida Public Service Commission, 2015 Statistics of the Florida Electric Utility Industry.

Table 2
Sources of Revenue
(Percentage of Total Sales)
2011-2015

| | 2011 | 2012 | 2013 | 2014 | 2015 |
|--|-------------|------------|------------|-------------|-------------|
| Duke Energy Florida, LLC | | | | | |
| Residential | 58.18% | 56.96% | 58.49% | 55.84% | 56.32% |
| Commercial | 28.10 | 28.85 | 28.11 | 26.28 | 25.98 |
| Industrial | 6.40 | 6.53 | 6.12 | 6.30 | 6.21 |
| Other | 7.32 | 7.66 | 7.28 | 6.89 | 6.80 |
| Sales for Resale | 5.69 | 4.81 | 4.68 | 4.69 | 4.70 |
| Total * | 100% | 100% | 100% | 100% | 100% |
| Total Sales (Millions) | \$4,199.94 | \$4,187.80 | \$3,917.13 | \$4,578.10 | \$4,661.86 |
| Florida Power & Light Company | | | | | |
| Residential | 55.98% | 56.13% | 56.45% | 55.35% | 56.14% |
| Commercial | 39.38 | 39.39 | 38.65 | 37.42 | 36.79 |
| Industrial | 2.20 | 2.09 | 1.93 | 1.85 | 1.81 |
| Other | 0.83 | 0.82 | 0.85 | 0.80 | 0.79 |
| Sales for Resale | 1.62 | 1.58 | 2.13 | 4.58 | 4.47 |
| Total | 100% | 100% | 100% | 100% | 100% |
| Total Sales (Millions) | \$10,398.45 | \$9,963.00 | \$9,947.18 | \$11,016.83 | \$11,196.35 |
| Gulf Power Company | | | | | |
| Residential | 42.91% | 43.25% | 44.91% | 45.93% | 49.30% |
| Commercial | 27.55 | 27.69 | 27.77 | 26.73 | 28.78 |
| Industrial | 10.72 | 9.97 | 9.62 | 9.99 | 10.43 |
| Other | 2.59 | 2.53 | 2.24 | 0.30 | 0.31 |
| Sales for Resale | 16.24 | 16.56 | 15.46 | 17.05 | 11.17 |
| Total | 100% | 100% | 100% | 100% | 100% |
| Total Sales (Millions) | \$1,513.51 | \$1,395.08 | \$1,337.71 | \$1,518.01 | \$1,489.56 |
| Tampa Electric Company | | | | | |
| Residential | 50.33% | 49.22% | 49.93% | 51.17% | 52.29% |
| Commercial | 31.00 | 31.42 | 30.98 | 30.58 | 30.56 |
| Industrial | 8.16 | 9.08 | 9.18 | 8.35 | 8.05 |
| Other | 9.37 | 9.45 | 9.45 | 9.24 | 8.91 |
| Sales for Resale | 1.14 | 0.84 | 0.45 | 0.66 | 0.19 |
| Total | 100% | 100% | 100% | 100% | 100% |
| Total Sales (Millions) | \$1,976.32 | \$1,948.48 | \$1,876.15 | \$1,969.01 | \$1,989.34 |

* May not add to total due to rounding.

Source: Florida Public Service Commission, 2015 Annual Report, FERC Form No. 1, p. 300; Florida Public Service Commission, 2015 Statistics of the Florida Electric Utility Industry.

Table 3
Uses of Revenue
(Percentage of Total Operating Revenue)
2011-2015

| | 2011 | 2012 | 2013 | 2014 | 2015 |
|--|--------------------|--------------------|--------------------|--------------------|--------------------|
| Duke Energy Florida, LLC | | | | | |
| Fuel | 37.94% | 31.79% | 33.04% | 31.56% | 27.38% |
| Other Operation and Maintenance | 38.65 | 36.26 | 34.32 | 30.33 | 29.86 |
| Depreciation and Amortization | -1.13 | 4.79 | -0.12 | 9.86 | 14.06 |
| Taxes Other Than Income Taxes | 8.07 | 7.41 | 7.29 | 6.92 | 7.10 |
| Income Taxes | 4.42 | 5.02 | 9.07 | 6.76 | 6.27 |
| Interest | 5.46 | 5.47 | 4.03 | 3.98 | 4.01 |
| Utility Net Operating Income Less Interest | 6.59 | 9.27 | 12.36 | 10.60 | 11.32 |
| Total | 100% | 100% | 100% | 100% | 100% |
| Total Operating Revenue (Millions) | \$4,369.04 | \$4,664.49 | \$4,498.24 | \$4,940.40 | \$4,936.08 |
| Florida Power & Light Company | | | | | |
| Fuel | 35.49% | 33.35% | 30.51% | 31.34% | 28.66% |
| Other Operation and Maintenance | 27.28 | 26.56 | 22.80 | 20.74 | 21.99 |
| Depreciation and Amortization | 7.62 | 7.11 | 10.83 | 11.55 | 12.07 |
| Taxes Other Than Income Taxes | 10.04 | 10.58 | 11.00 | 10.44 | 10.55 |
| Income Taxes | 6.49 | 7.49 | 8.60 | 8.78 | 8.45 |
| Interest | 3.63 | 3.89 | 3.82 | 3.73 | 3.72 |
| Utility Net Operating Income Less Interest | 9.45 | 11.02 | 12.44 | 13.41 | 14.57 |
| Total | 100% | 100% | 100% | 100% | 100% |
| Total Operating Revenue (Millions) | \$10,609.21 | \$10,033.45 | \$10,214.49 | \$11,189.33 | \$11,467.74 |
| Gulf Power Company | | | | | |
| Fuel | 43.31% | 37.75% | 36.92% | 37.92% | 29.98% |
| Other Operation and Maintenance | 26.71 | 27.07 | 27.51 | 28.29 | 32.97 |
| Depreciation and Amortization | 8.59 | 9.87 | 10.41 | 9.16 | 9.07 |
| Taxes Other Than Income Taxes | 6.66 | 6.76 | 6.83 | 6.99 | 7.94 |
| Income Taxes | 4.12 | 5.45 | 5.54 | 5.53 | 6.09 |
| Interest | 3.83 | 4.18 | 3.89 | 3.35 | 3.72 |
| Utility Net Operating Income Less Interest | 6.78 | 8.92 | 8.90 | 8.76 | 10.24 |
| Total | 100% | 100% | 100% | 100% | 100% |
| Total Operating Revenue (Millions) | \$1,519.95 | \$1,439.90 | \$1,440.41 | \$1,590.59 | \$1,483.01 |
| Tampa Electric Company | | | | | |
| Fuel | 36.78% | 35.47% | 35.54% | 35.73% | 31.78% |
| Other Operation and Maintenance | 23.98 | 24.52 | 24.38 | 23.83 | 24.01 |
| Depreciation and Amortization | 10.02 | 11.61 | 12.05 | 11.20 | 13.88 |
| Taxes Other Than Income Taxes | 7.11 | 7.54 | 7.76 | 7.63 | 7.62 |
| Income Taxes | 6.14 | 5.90 | 6.02 | 6.53 | 6.98 |
| Interest | 6.03 | 5.47 | 4.77 | 4.60 | 4.66 |
| Utility Net Operating Income Less Interest | 9.93 | 9.49 | 9.49 | 10.49 | 11.08 |
| Total | 100% | 100% | 100% | 100% | 100% |
| Total Operating Revenue (Millions) | \$2,019.64 | \$2,006.50 | \$1,936.62 | \$2,029.54 | \$2,053.05 |

Source: Florida Public Service Commission, 2015 Annual Report, FERC Form No. 1, pp. 114, 117, 311, 320-321, and 323; Florida Public Service Commission, 2015 Statistics of the Florida Electric Utility Industry.

Table 4
Proprietary Capital and Long-Term Debt
December 31, 2015

| | Duke Energy Florida, LLC | Florida Power & Light Company | Gulf Power Company | Tampa Electric Company |
|---|-----------------------------|----------------------------------|-----------------------|---------------------------|
| Proprietary Capital (Thousands) | | | | |
| Common Stock | \$0 | \$1,373,069 | \$503,060 | \$119,697 |
| Preferred Stock | 0 | 0 | 150,000 | 0 |
| Retained Earnings | 3,359,321 | 6,447,361 | 285,310 | 200,682 |
| Other Paid-In Capital | 1,762,092 | 7,736,000 | 566,349 | 1,950,840 |
| Other Adjustments | -45 | -3,741 | -3,550 | -3,208 |
| Total Proprietary Capital | \$5,121,369 | \$15,552,688 | \$1,501,169 | \$2,268,011 |
| Long-Term Debt (Thousands) | | | | |
| Bonds | \$3,775,000 | \$9,408,271 | \$0 | \$2,004,264 |
| Other Long-Term Debt and/or Adjustments | 367,582 | 364,885 | 1,310,353 | -2,424 |
| Total Long-Term Debt | 4,142,582 | 9,773,156 | 1,310,353 | 2,001,840 |
| Total Proprietary Capital and Long-Term Debt | \$9,263,951 | \$25,325,845 | \$2,811,522 | \$4,269,851 |
| Proprietary Capital Percent | | | | |
| Common Stock | 0.0% | 5.4% | 17.9% | 2.8% |
| Preferred Stock | 0.0 | 0.0 | 5.3 | 0.0 |
| Retained Earnings | 36.3 | 25.5 | 10.1 | 4.7 |
| Other Paid-In Capital | 19.0 | 30.5 | 20.1 | 45.7 |
| Other Adjustments | 0.0 | 0.0 | -0.1 | -0.1 |
| Total Proprietary Capital | 55.3% | 61.4% | 53.4% | 53.1% |
| Long-Term Debt Percent | | | | |
| Bonds | 40.7% | 37.1% | 0.0% | 46.9% |
| Other Long-Term Debt and/or Adjustments | 4.0 | 1.4 | 46.6 | -0.1 |
| Total Long-Term Debt | 44.7 | 38.6 | 46.6 | 46.9 |
| Total Proprietary Capital and Long-Term Debt | 100% | 100% | 100% | 100% |

Source: Florida Public Service Commission, 2015 Annual Report, FERC Form No. 1, p. 112.

Table 5
Financial Integrity Indicators
2011-2015

| | 2011 | 2012 | 2013 | 2014 | 2015 |
|--|---------|---------|----------|----------|---------|
| Times Interest Earned with AFUDC | | | | | |
| Duke Energy Florida, LLC | 2.12 x | 3.12 x | 3.77 x | 4.35 x | 4.35 x |
| Florida Power & Light Company | 5.30 | 5.56 | 6.00 | 6.38 | 6.61 |
| Gulf Power Company | 3.78 | 4.37 | 4.56 | 5.05 | 5.09 |
| Tampa Electric Company | 3.68 | 3.64 | 4.23 | 4.64 | 4.70 |
| Times Interest Earned without AFUDC | | | | | |
| Duke Energy Florida, LLC | 1.94 x | 2.92 x | 3.71 x | 4.34 x | 4.31 x |
| Florida Power & Light Company | 5.17 | 5.40 | 5.81 | 6.27 | 6.42 |
| Gulf Power Company | 3.55 | 4.25 | 4.40 | 4.75 | 4.79 |
| Tampa Electric Company | 3.66 | 3.61 | 4.12 | 4.48 | 4.45 |
| AFUDC as a Percentage of Net Income | | | | | |
| Interest Coverage Ratio | | | | | |
| Duke Energy Florida, LLC | 14.76 % | 14.97 % | 3.71 % | 0.24 % | 1.76 % |
| Florida Power & Light Company | 4.13 | 5.26 | 5.25 | 2.94 | 4.88 |
| Gulf Power Company | 11.75 | 5.36 | 6.87 | 10.93 | 10.80 |
| Tampa Electric Company | 0.68 | 1.80 | 4.45 | 6.08 | 9.26 |
| Percent Internally Generated Funds | | | | | |
| Duke Energy Florida, LLC | 43.42 % | 66.13 % | 119.03 % | 116.65 % | 82.02 % |
| Florida Power & Light Company | 63.63 | 83.72 | 76.59 | 64.75 | 74.83 |
| Gulf Power Company | 72.81 | 80.52 | 71.13 | 51.15 | 100.65 |
| Tampa Electric Company | 129.10 | 119.87 | 91.61 | 62.78 | 75.04 |

Source: Florida Public Service Commission, December 2015 Earnings Surveillance Report, Schedule 1; Florida Public Service Commission, 2015 Statistics of the Florida Electric Utility Industry.

Net Generation

Table 6
Net Utility Generation by Type of Ownership
2006-2015

| Year | Total for State (Gigawatt-Hours) | Investor-Owned | | Others * | |
|------|--|------------------------------|------------------|------------------------------|------------------|
| | | Quantity (Gigawatt-Hours) | Percent of Total | Quantity (Gigawatt-Hours) | Percent of Total |
| 2006 | 211,286 | 166,808 | 78.9% | 44,478 | 21.1% |
| 2007 | 213,789 | 169,435 | 79.3 | 44,354 | 20.7 |
| 2008 | 207,913 | 165,007 | 79.4 | 42,906 | 20.6 |
| 2009 | 209,476 | 163,412 | 78.0 | 46,064 | 22.0 |
| 2010 | 217,034 | 169,815 | 78.2 | 47,219 | 21.8 |
| 2011 | 217,271 | 170,594 | 78.5 | 46,677 | 21.5 |
| 2012 | 218,177 | 174,424 | 79.9 | 43,753 | 20.1 |
| 2013 | 218,150 | 173,465 | 79.5 | 44,685 | 20.5 |
| 2014 | 224,097 | 188,416 | 84.1 | 35,681 | 15.9 |
| 2015 | 231,659 | 197,966 | 85.5 | 33,693 | 14.5 |

* Includes municipals, rural electric cooperatives, and federally-owned utilities.

Source: Florida Reliability Coordinating Council, Regional Load and Resource Plan, State Supplement (July 2016), FRCC Form 9.1, p. S-18; Response to staff data request; Florida Public Service Commission, Utility Ten-Year Site Plans, 2006 thru 2015, Schedule 6.1.

Table 7
Net Energy for Load (NEL) by Fuel Type and Other Sources
2006-2015

| Year | Coal | | Oil | | Natural Gas | | Nuclear | | Hydro | | NEL | Other Sources | | NEL |
|------|----------------|---------|----------------|---------|----------------|---------|----------------|---------|----------------|---------|----------|---------------|---------|---------|
| | Gigawatt-Hours | Percent | Gigawatt-Hours | Percent | Gigawatt-Hours | Percent | Gigawatt-Hours | Percent | Gigawatt-Hours | Percent | Subtotal | NUG | Other * | Total |
| 2006 | 70,859 | 33.5% | 16,164 | 7.7% | 92,821 | 43.9% | 31,429 | 14.9% | 13 | 0.0% | 211,286 | 5,509 | 27,268 | 244,063 |
| 2007 | 72,189 | 33.8 | 16,473 | 7.7 | 95,719 | 44.8 | 29,399 | 13.8 | 9 | 0.0 | 213,789 | 3,635 | 29,068 | 246,492 |
| 2008 | 69,116 | 33.2 | 9,267 | 4.5 | 97,386 | 46.8 | 32,122 | 15.4 | 22 | 0.0 | 207,913 | 2,881 | 30,116 | 240,910 |
| 2009 | 57,901 | 27.6 | 6,283 | 3.0 | 116,062 | 55.4 | 29,202 | 13.9 | 28 | 0.0 | 209,476 | 2,956 | 26,982 | 239,414 |
| 2010 | 61,323 | 28.3 | 5,925 | 2.7 | 125,546 | 57.8 | 24,215 | 11.2 | 25 | 0.0 | 217,034 | 2,971 | 27,164 | 247,169 |
| 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 |

* Includes Net Interchange, non-hydro renewables, and other.

Table 8
Projected Net Energy for Load by Fuel Type and Other Sources
(Gigawatt-Hours)
2016-2025

| Year | Net Energy for Load | Interchange & Other * | Nuclear | Coal | Oil | Natural Gas | Hydro | NUG |
|------|------------------------|--------------------------|---------|--------|-----|----------------|-------|-------|
| 2016 | 243,650 | 14,700 | 29,457 | 41,477 | 442 | 155,603 | 144 | 1,827 |
| 2017 | 244,935 | 9,456 | 29,174 | 43,227 | 148 | 160,945 | 145 | 1,840 |
| 2018 | 246,797 | 8,416 | 29,071 | 44,016 | 152 | 163,154 | 145 | 1,843 |
| 2019 | 249,040 | 9,582 | 29,723 | 45,377 | 143 | 162,168 | 145 | 1,902 |
| 2020 | 251,738 | 11,723 | 29,365 | 49,837 | 88 | 158,669 | 145 | 1,911 |
| 2021 | 253,782 | 13,853 | 29,140 | 50,266 | 84 | 158,386 | 146 | 1,907 |
| 2022 | 255,828 | 13,896 | 29,733 | 46,353 | 88 | 163,701 | 146 | 1,911 |
| 2023 | 257,814 | 15,202 | 29,291 | 48,402 | 96 | 162,764 | 146 | 1,913 |
| 2024 | 260,025 | 16,912 | 29,320 | 50,755 | 90 | 162,019 | 146 | 783 |
| 2025 | 262,057 | 15,883 | 29,827 | 51,494 | 100 | 164,058 | 146 | 549 |

* Includes renewables, excludes hydro.

Table 9
Projected Net Energy for Load by Fuel Type Percentage
2016-2025

| Year | Net Energy for Load * | Interchange & Other ** | Nuclear | Coal | Oil | Natural Gas | Hydro | NUG |
|------|-----------------------|------------------------|---------|--------|-------|-------------|-------|-------|
| 2016 | 100% | 6.03% | 12.09% | 17.02% | 0.18% | 63.86% | 0.06% | 0.75% |
| 2017 | 100 | 3.86 | 11.91 | 17.65 | 0.06 | 65.71 | 0.06 | 0.75 |
| 2018 | 100 | 3.41 | 11.78 | 17.83 | 0.06 | 66.11 | 0.06 | 0.75 |
| 2019 | 100 | 3.85 | 11.94 | 18.22 | 0.06 | 65.12 | 0.06 | 0.76 |
| 2020 | 100 | 4.66 | 11.66 | 19.80 | 0.03 | 63.03 | 0.06 | 0.76 |
| 2021 | 100 | 5.46 | 11.48 | 19.81 | 0.03 | 62.41 | 0.06 | 0.75 |
| 2022 | 100 | 5.43 | 11.62 | 18.12 | 0.03 | 63.99 | 0.06 | 0.75 |
| 2023 | 100 | 5.90 | 11.36 | 18.77 | 0.04 | 63.13 | 0.06 | 0.74 |
| 2024 | 100 | 6.50 | 11.28 | 19.52 | 0.03 | 62.31 | 0.06 | 0.30 |
| 2025 | 100 | 6.06 | 11.38 | 19.65 | 0.04 | 62.60 | 0.06 | 0.21 |

* May not add to total due to rounding.

** Includes renewables, excludes hydro.

Generating Capacity and Capability

Table 10
Installed Nameplate Capacity/Firm Summer Net Capability
(Megawatts)
2006-2015

| Year | Hydro-Electric | Conventional Steam | Nuclear Steam | Combustion Turbine | Internal Combustion | Combined Cycle | Other * | Total ** |
|------|----------------|--------------------|---------------|--------------------|---------------------|----------------|---------|----------|
| 2006 | 367 | 16,735 | 3,903 | 7,946 | 246 | 21,092 | 0 | 50,288 |
| 2007 | 63 | 22,089 | 3,896 | 7,799 | 265 | 16,216 | 0 | 50,326 |
| 2008 | 63 | 21,719 | 3,931 | 8,333 | 239 | 16,260 | 0 | 50,544 |
| 2009 | 52 | 19,611 | 3,991 | 8,096 | 184 | 20,275 | 0 | 52,208 |
| 2010 | 52 | 20,563 | 3,913 | 7,278 | 175 | 21,245 | 0 | 53,226 |
| 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 |

* 2014: Solar Photovoltaic.

** May not add to total due to rounding.

Source: Florida Reliability Coordinating Council, Regional Load and Resource Plan, State Supplement (July 2016), FRCC Form 1.0, pp. 7-20, S-8 and S-9; Florida Public Service Commission, 2015 Statistics of the Florida Electric Utility Industry.

Table 11
Installed Nameplate Capacity/Summer Net Capability
by Type of Ownership
(Megawatts)
2006-2015

| Year | Total for State * | Investor-Owned | | Municipals, Rural Electric Cooperatives, and Other | |
|------|-------------------|----------------|------------------|--|------------------|
| | | Quantity | Percent of Total | Quantity | Percent of Total |
| 2006 | 50,288 | 37,817 | 75.20% | 12,471 | 24.80% |
| 2007 | 50,326 | 38,203 | 75.91 | 12,123 | 24.09 |
| 2008 | 50,544 | 38,218 | 75.61 | 12,326 | 24.39 |
| 2009 | 52,208 | 39,788 | 76.21 | 12,420 | 23.79 |
| 2010 | 53,226 | 40,161 | 75.45 | 13,065 | 24.55 |
| 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 |

* May not add to total due to rounding.

Source: Florida Reliability Coordinating Council, Regional Load and Resource Plan, State Supplement (July 2016), FRCC Form 1.0, pp. 7-20, S-8, and S-9;
Florida Public Service Commission, 2015 Statistics of the Florida Electric Utility Industry.

Table 12
Installed Capacity by Fuel and Technology
(Megawatts)
2013-2015

| Fuel | Technology | 2013 | 2014 | 2015 |
|---------------------------------|------------------|---------------|---------------|---------------|
| Natural Gas | Combined Cycle | 22,407 | 22,430 | 24,383 |
| | Turbine & Diesel | 6,057 | 6,840 | 6,107 |
| | Steam | 1,182 | 2,565 | 2,057 |
| Total Natural Gas | | 29,646 | 31,835 | 32,547 |
| Percentage of Total | | 50.95% | 54.29% | 54.78% |
| Coal | Steam | 12,026 | 12,054 | 12,116 |
| | Combined Cycle | 220 | 220 | 220 |
| Total Coal | | 12,246 | 12,274 | 12,336 |
| Percentage of Total | | 21.05% | 20.93% | 20.76% |
| Oil | Turbine & Diesel | 2,514 | 2,513 | 2,497 |
| | Steam | 5,833 | 3,666 | 3,663 |
| Total Oil | | 8,347 | 6,179 | 6,160 |
| Percentage of Total | | 14.34% | 10.54% | 10.37% |
| Nuclear | Steam | 4,320 | 3,599 | 3,600 |
| Total Nuclear | | 4,320 | 3,599 | 3,600 |
| Total | | 7.42% | 6.14% | 6.06% |
| Other * | | 3,630 | 4,757 | 4,772 |
| Total Other | | 3,630 | 4,757 | 4,772 |
| Percentage of Total | | 6.24% | 8.11% | 8.03% |
| Total Installed Capacity | | 58,189 | 58,644 | 59,415 |
| Percentage of Total ** | | 100% | 100% | 100% |

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

** May not add to total due to rounding.

Table 13
Installed Winter and Summer Net Capacity by Utility *
(Megawatts)
2014-2015

| Utilities | 2014 | 2015 | 2014 | 2015 |
|---|---------------------|---------------------|---------------------|---------------------|
| | Winter Net Capacity | Winter Net Capacity | Summer Net Capacity | Summer Net Capacity |
| Investor-Owned Electric Systems | | | | |
| Duke Energy Florida, LLC | 10,120 | 10,070 | 9,154 | 9,101 |
| Florida Power & Light Company | 26,633 | 27,129 | 25,072 | 25,233 |
| Gulf Power Company | 2,743 | 2,387 | 2,704 | 2,348 |
| Tampa Electric Company | 4,728 | 4,728 | 4,336 | 4,337 |
| Generating Municipal Electric Systems | | | | |
| Florida Municipal Power Agency | 1,339 | 1,338 | 1,290 | 1,289 |
| Gainesville Regional Utilities | 561 | 554 | 523 | 525 |
| Homestead | 32 | 32 | 32 | 32 |
| JEA | 4,110 | 4,110 | 3,769 | 3,769 |
| Keys Energy Services | 37 | 36 | 37 | 36 |
| Kissimmee Utility Authority | 252 | 255 | 240 | 243 |
| Lakeland | 975 | 975 | 929 | 929 |
| Lake Worth Utilities Authority | 80 | 80 | 77 | 77 |
| New Smyrna Beach | 48 | 48 | 44 | 44 |
| Orlando Utilities Commission ** | 1,567 | 1,528 | 1,497 | 1,482 |
| Reedy Creek Utilities Company | 61 | 55 | 61 | 55 |
| Tallahassee | 822 | 822 | 746 | 746 |
| Vero Beach | 0 | 0 | 0 | 0 |
| Generating Rural Electric Cooperatives | | | | |
| PowerSouth Energy Co-op | 2,117 | 2,098 | 1,919 | 1,894 |
| Seminole Electric Co-op *** | 2,178 | 2,178 | 2,060 | 2,012 |
| USCE-Mobile District | 44 | 44 | 44 | 44 |
| Total Utility ^ | 58,447 | 58,467 | 54,534 | 54,196 |
| Total Non-Utility | 4,652 | 4,525 | 4,355 | 4,226 |
| Total State of Florida ^ | 63,099 | 62,992 | 58,889 | 58,422 |

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

** St. Cloud data is included as part of Orlando.

*** Seminole Electric Cooperative generates only for resale.

^ May not add to total State of Florida on Table 14 due to rounding.

Source: Florida Reliability Coordinating Council, Regional Load and Resource Plan, State Supplement (July 2016), FRCC Form 1.0, pp. 7 and S-7; Florida Public Service Commission, 2015 Statistics of the Florida Electric Utility Industry.

Table 14
Summer Net Capacity by Generation by Utility *
(Megawatts)
December 31, 2015

| Utilities | Hydro-Electric | Conventional Steam | Nuclear Steam | Combustion Turbine | Internal Combustion | Combined Cycle | Other ** | Utility Total |
|---|----------------|--------------------|---------------|--------------------|---------------------|----------------|-----------|---------------|
| Investor-Owned Electric Systems | | | | | | | | |
| Duke Energy Florida, LLC | 0 | 3,460 | 0 | 2,419 | 0 | 3,222 | 0 | 9,101 |
| Florida Power & Light Company | 0 | 4,778 | 3,453 | 2,143 | 0 | 14,844 | 15 | 25,233 |
| Gulf Power Company | 0 | 1,745 | 0 | 44 | 3 | 556 | 0 | 2,348 |
| Tampa Electric Company | 0 | 1,602 | 0 | 884 | 0 | 1,850 | 1 | 4,337 |
| Generating Municipal Electric Systems | | | | | | | | |
| Florida Municipal Power Agency | 0 | 241 | 86 | 167 | 0 | 796 | 0 | 1,289 |
| Gainesville Regional Utilities | 0 | 307 | 0 | 110 | 0 | 108 | 0 | 525 |
| Homestead | 0 | 0 | 0 | 0 | 32 | 0 | 0 | 32 |
| JEA | 0 | 2,306 | 0 | 812 | 0 | 651 | 0 | 3,769 |
| Keys Energy Services | 0 | 0 | 0 | 18 | 18 | 0 | 0 | 36 |
| Kissimmee Utility Authority | 0 | 21 | 0 | 26 | 0 | 196 | 0 | 243 |
| Lakeland | 0 | 396 | 0 | 35 | 55 | 443 | 0 | 929 |
| Lake Worth Utilities Authority | 0 | 0 | 0 | 46 | 0 | 31 | 0 | 77 |
| New Smyrna Beach | 0 | 0 | 0 | 44 | 0 | 0 | 0 | 44 |
| Orlando Utilities Commission *** | 0 | 760 | 60 | 197 | 0 | 466 | 0 | 1,482 |
| Reedy Creek Utilities Company | 0 | 0 | 0 | 0 | 0 | 55 | 0 | 55 |
| Tallahassee | 0 | 76 | 0 | 148 | 0 | 522 | 0 | 746 |
| Generating Rural Electric Cooperatives | | | | | | | | |
| Powersouth Energy Co-op | 7 | 665 | 0 | 578 | 0 | 644 | 0 | 1,894 |
| Seminole Electric ^ | 0 | 1,260 | 0 | 270 | 0 | 482 | 0 | 2,012 |
| USCE-Mobile District | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 44 |
| Total State of Florida Utility ^^ | 51 | 17,616 | 3,599 | 7,940 | 108 | 24,866 | 15 | 54,196 |
| Total Non-Utility Generators ^^ | | | | | | | | 4,226 |
| Total State of Florida ^^ | 51 | 17,616 | 3,599 | 7,940 | 108 | 24,866 | 15 | 58,422 |

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

** Solar photovoltaic.

*** St. Cloud data is included as part of Orlando.

^ Seminole Electric Cooperative generates only for resale.

^^ May not add to total State of Florida on Table 13 due to rounding.

^^^ Does not include the capacity of merchant plants.

Table 15
Nuclear Generating Units
December 31, 2015

| Utility | Location | Commercial In-Service Month/Year | Maximum Nameplate Rating KW | Net Capacity | |
|--|-------------------|----------------------------------|-----------------------------|--------------|-----------|
| | | | | Summer MW | Winter MW |
| <u>Florida Power & Light Company</u> | | | | | |
| St. Lucie #1 | St. Lucie County | May 1976 | 1,080,000 | 981 | 1,003 |
| St. Lucie #2 | St. Lucie County | Jun 1983 | 1,080,000 | 840 * | 860 * |
| Turkey Point #3 | Miami-Dade County | Dec 1972 | 877,200 | 811 | 839 |
| Turkey Point #4 | Miami-Dade County | Sept 1973 | 877,200 | 821 | 848 |

*14.9% of plant capacity is owned by the Orlando Utilities Commission and the Florida Municipal Power Agency; figures shown represent FPL's share.

Table 16, Page 1 of 2
Annual Peak Demand
(Megawatts)
2011-2015

| Utilities | 2011 | 2012 | 2013 | 2014 | 2015 |
|--|--------|--------|--------|--------|--------|
| Investor-Owned Electric Systems | | | | | |
| Duke Energy Florida, LLC | 9,588 | 9,029 | 8,779 | 9,219 | 9,475 |
| Florida Power & Light Company | 21,619 | 21,440 | 21,576 | 22,935 | 22,959 |
| Florida Public Utilities Company | NR | NR | NR | NR | 161 |
| Gulf Power Company | 2,535 | 2,351 | 2,362 | 2,694 | 2,495 |
| Tampa Electric Company | 3,931 | 3,892 | 3,873 | 4,054 | 4,013 |
| Generating Municipal Electric Systems | | | | | |
| Fort Pierce Utilities Authority | 104 | 103 | 104 | 106 | 107 |
| Gainesville Regional Utilities | 445 | 415 | 416 | 409 | 421 |
| Homestead | 90 | NR | NR | 101 | 102 |
| JEA | 3,062 | 2,665 | 2,596 | 2,823 | 2,863 |
| Keys Energy Services | 140 | 138 | 138 | 144 | 148 |
| Kissimmee Utility Authority | 324 | 310 | 314 | 327 | 335 |
| Lakeland | 871 | 612 | 602 | 627 | 656 |
| Lake Worth Utilities Authority | NR | NR | NR | 92 | 93 |
| New Smyrna Beach | 93 | 86 | 86 | 91 | 101 |
| Orlando Utilities Commission * | 1,276 | NR | NR | 1,297 | 1,171 |
| Reedy Creek Utilities Company | 191 | NR | NR | 190 | 189 |
| Starke | 17 | 15 | 15 | 15 | 15 |
| Tallahassee | NR | NR | NR | 574 | 600 |
| Vero Beach | 162 | 153 | 151 | 159 | 167 |
| Non-Generating Municipal Electric Systems | | | | | |
| Alachua | 27 | NR | NR | 26 | 27 |
| Bartow | 66 | 63 | 58 | 59 | 65 |
| Beaches Energy Services | 200 | 171 | 168 | 192 | 195 |
| Blountstown | NR | NR | NR | 9 | 9 |
| Bushnell | 7 | NR | NR | 6 | 7 |
| Chattahoochee | 8 | 7 | 7 | 8 | 8 |
| Clewiston | 21 | 21 | 185 | 21 | 22 |
| Fort Meade | 11 | 11 | 9 | 10 | 11 |
| Green Cove Springs | 31 | NR | NR | 27 | 28 |
| Havana | 6 | NR | NR | 6 | 6 |

* St. Cloud data is included as part of Orlando.

Table 16, Page 2 of 2
Annual Peak Demand
(Megawatts)
2011-2015

| Utilities | 2011 | 2012 | 2013 | 2014 | 2015 |
|--|-------|-------|-------|-------|-------|
| Non-Generating Municipal Electric Systems | | | | | |
| Leesburg | 107 | 91 | 106 | 100 | 106 |
| Moore Haven | NR | NR | NR | 3 | 36 |
| Mount Dora | 22 | 21 | 22 | 22 | 22 |
| Newberry | NR | NR | NR | 8 | 9 |
| Ocala Electric Utility | NR | NR | NR | 285 | 287 |
| Quincy | NR | NR | NR | 30 | 28 |
| Wauchula | 13 | NR | NR | 13 | 13 |
| Williston | NR | NR | NR | 8 | 8 |
| Winter Park | NR | NR | NR | 96 | 95 |
| Generating & Non-Generating Rural Electric Cooperatives | | | | | |
| Central Florida Electric Co-op | 138 | 134 | 129 | 128 | 136 |
| Choctawhatchee Electric Co-op | 207 | 196 | 178 | 234 | 225 |
| Clay County Electric Co-op (Reported as part of Seminole) | NA | NA | NA | 775 | 839 |
| Escambia River Electric Co-op | 52 | NR | NR | 59 | 55 |
| Florida Keys Electric Co-op | 144 | 146 | 145 | 156 | 161 |
| Glades Electric Co-op | NR | 85 | 61 | 76 | 78 |
| Gulf Coast Electric Co-op | 102 | NR | NR | 104 | 100 |
| Lee County Electric Co-op | NR | NR | NR | 816 | 885 |
| Okefenoke Rural Electric Membership Co-op | 31 | 29 | 26 | 31 | 31 |
| Peace River Electric Co-op | 143 | 140 | 134 | 139 | 154 |
| PowerSouth Energy Co-op ** | 27 | 471 | 392 | 541 | 510 |
| Seminole Electric Co-op ** | 4,118 | 3,918 | 3,707 | 3,218 | 3,403 |
| Sumter Electric Co-op | 703 | 709 | 678 | 714 | 805 |
| Suwannee Valley Electric Co-op | 118 | 109 | 108 | 117 | 120 |
| Talquin Electric Co-op | NR | NR | NR | 285 | 279 |
| Tri-County Electric Co-op | NR | NR | NR | 72 | 71 |
| West Florida Electric Co-op | NR | 133 | 115 | 136 | 139 |
| Withlacoochee River Electric Co-op | 1,072 | 1,011 | 939 | 980 | 1,074 |

** Generates only for resale.

Source: Response to staff data request: Florida Public Service Commission, 2015 Statistics of the Florida Electric Utility Industry.

Table 17
Projected Summer and Winter Peak Demand
(Megawatts)
2016-2025

| Year | Summer Peak | Year | Winter Peak |
|------|-------------|-----------|-------------|
| 2016 | 50,546 | 2016-2017 | 48,204 |
| 2017 | 51,064 | 2017-2018 | 48,674 |
| 2018 | 51,620 | 2018-2019 | 49,289 |
| 2019 | 52,267 | 2019-2020 | 49,785 |
| 2020 | 52,882 | 2020-2021 | 50,278 |
| 2021 | 53,475 | 2021-2022 | 50,751 |
| 2022 | 53,992 | 2022-2023 | 51,235 |
| 2023 | 54,551 | 2023-2024 | 51,729 |
| 2024 | 55,179 | 2024-2025 | 52,213 |
| 2025 | 55,874 | 2025-2026 | 52,724 |

Source: Florida Reliability Coordinating Council, Regional Load and Resource Plan, State Supplement (July 2016), FRCC Form History and Forecast, p. S-1.

Table 18
Load Factors of Generating Utilities
December 31, 2015

| Utilities | Net Energy for Load (Gigawatt-Hours) | Peak Load (Megawatts) | Load Factor (Percentage) |
|---|---|--------------------------|-----------------------------|
| Investor-Owned Electric Systems | | | |
| Duke Energy Florida, LLC | 42,450 | 9,475 | 51.1% |
| Florida Power & Light Company | 122,756 | 22,959 | 61.0 |
| Gulf Power Company | 11,980 | 2,495 | 54.8 |
| Tampa Electric Company | 20,113 | 4,013 | 57.2 |
| Generating Municipal Electric Systems | | | |
| Florida Keys Electric Co-op | 784 | 161 | 55.6 |
| Florida Municipal Power Agency | 0 | 0 | 0.0 |
| Fort Pierce Utilities Authority | 574 | 107 | 61.3 |
| Gainesville Regional Utilities | 2,024 | 421 | 54.9 |
| Homestead | 543 | 102 | 60.8 |
| JEA | 12,868 | 2,863 | 51.3 |
| Keys Energy Services | 806 | 148 | 62.2 |
| Kissimmee Utility Authority | 1,547 | 335 | 52.7 |
| Lakeland | 3,126 | 656 | 54.4 |
| Lake Worth Utilities Authority | 463 | 93 | 57.1 |
| New Smyrna Beach | 427 | 101 | 48.2 |
| Okefenoke Rural Electric Membership Co-op | 168 | 31 | 61.8 |
| Orlando Utilities Commission * | 8,120 | 1,171 | 79.2 |
| Reedy Creek Utilities Company | 1,234 | 189 | 74.7 |
| Starke | 72 | 15 | 54.6 |
| Tallahassee | 2,776 | 600 | 52.8 |
| Vero Beach | 782 | 167 | 53.4 |
| Generating Rural Electric Cooperatives | | | |
| PowerSouth Energy Co-op | 200 | 510 | 4.5 |
| Seminole Electric Co-op ** | 14,363 | 3,403 | 48.2 |

*St. Cloud data is included as part of Orlando.

**Seminole Electric Cooperative generates only for resale.

Source: Response to staff data request.

Renewable Energy, Energy Efficiency and Conservation

Table 19
Renewable Generation Capacity
(Megawatts)
2012-2015

| Renewable * | 2012 | 2013 | 2014 | 2015 |
|-----------------------|--------------|--------------|--------------|--------------|
| Biomass | 402 | 415 | 581 | 581 |
| Hydro | 56 | 63 | 64 | 64 |
| Landfill Gas | 58 | 40 | 49 | 47 |
| Municipal Solid Waste | 454 | 466 | 398 | 400 |
| Solar | 143 | 178 | 218 | 228 |
| Waste Heat | 297 | 308 | 308 | 308 |
| Wind | 0 | 0 | 0 | 10 |
| Total | 1,410 | 1,470 | 1,618 | 1,638 |

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

Table 20
Customer-Owned Solar Photovoltaic Generation
2012-2015

| Utility | 2012 | 2013 | 2014 | 2015 |
|---|---------------|---------------|---------------|---------------|
| Number of Solar Energy Systems | | | | |
| Duke Energy Florida, LLC | 1,067 | 1,480 | 2,065 | 2,967 |
| Florida Power & Light Company | 2,115 | 2,563 | 3,234 | 4,250 |
| Florida Public Utilities Company | 36 | 52 | 59 | 69 |
| Gulf Power Company | 258 | 300 | 366 | 465 |
| Tampa Electric Company | 318 | 425 | 567 | 810 |
| Municipal Utilities | 791 | 1,007 | 1,202 | 1,616 |
| Rural Electric Cooperative Utilities | 684 | 853 | 1,053 | 1,423 |
| Total | 5,274 | 6,680 | 8,546 | 11,600 |
| Gross Power Rating (MW)(AC) | | | | |
| Duke Energy Florida, LLC | 9 | 13 | 18 | 28 |
| Florida Power & Light Company | 16 | 23 | 30 | 40 |
| Florida Public Utilities Company | 0.1 | 0.2 | 0.0 | 0.3 |
| Gulf Power Company | 1 | 1 | 2 | 2 |
| Tampa Electric Company | 4 | 7 | 8 | 10 |
| Municipal Utilities | 7 | 9 | 10 | 13 |
| Rural Electric Cooperative Utilities | 4 | 5 | 6 | 9 |
| Total | 41 | 58 | 74 | 102 |
| Energy Delivered to the Grid (MWh) | | | | |
| Duke Energy Florida, LLC | 3,982 | 5,602 | 8,090 | 12,153 |
| Florida Power & Light Company | 7,437 | 10,501 | 15,542 | 19,922 |
| Florida Public Utilities Company | 67 | 101 | 140 | 187 |
| Gulf Power Company | 506 | 690 | 991 | 3,849 |
| Tampa Electric Company | 945 | 1,692 | 3,870 | 4,307 |
| Municipal Utilities | 2,458 | 3,900 | 4,253 | 5,493 |
| Rural Electric Cooperative Utilities | 3,279 | 3,845 | 3,913 | 3,678 |
| Total | 18,674 | 26,331 | 36,799 | 49,588 |

Source: Annual Net Metering Reports, 2012- 2015.

Table 21
Demand-Side Management Programs
Amount of Load Reduction at the Generator *
2012-2015

| Utility | 2012 | 2013 | 2014 | 2015 |
|-----------------------------------|------------|------------|------------|------------|
| Summer Peak Reduction (MW) | | | | |
| Duke Energy Florida, LLC | 64 | 53 | 61 | 60 |
| Florida Power & Light Company | 140 | 127 | 142 | 86 |
| Florida Public Utilities Company | 1 | 1 | 1 | 1 |
| Gulf Power Company | 34 | 30 | 22 | 20 |
| JEA | 4 | 3 | 3 | 3 |
| Orlando Utilities Commission | 2 | 2 | 1 | 3 |
| Tampa Electric Company | 16 | 22 | 26 | 23 |
| Total | 261 | 237 | 256 | 195 |
| Winter Peak Reduction (MW) | | | | |
| Duke Energy Florida, LLC | 94 | 69 | 71 | 69 |
| Florida Power & Light Company | 71 | 56 | 67 | 45 |
| Florida Public Utilities Company | 0.4 | 0.4 | 0.6 | 0.4 |
| Gulf Power Company | 27 | 28 | 21 | 17 |
| JEA | 5 | 4 | 3 | 3 |
| Orlando Utilities Commission | 2 | 1 | 1 | 1 |
| Tampa Electric Company | 15 | 20 | 27 | 20 |
| Total | 215 | 179 | 190 | 155 |
| Energy Reduction (GWh) | | | | |
| Duke Energy Florida, LLC | 115 | 84 | 100 | 76 |
| Florida Power & Light Company | 211 | 214 | 222 | 156 |
| Florida Public Utilities Company | 1 | 2 | 2 | 1 |
| Gulf Power Company | 77 | 96 | 61 | 48 |
| JEA | 38 | 32 | 17 | 7 |
| Orlando Utilities Commission | 9 | 6 | 3 | 14 |
| Tampa Electric Company | 32 | 50 | 66 | 34 |
| Total | 483 | 484 | 471 | 337 |

* Annual achievements are reported. Includes Residential, Commercial, Industrial, and Other Customers.

Fuel Analysis

Table 22
Fuel Requirements
2006-2015

| Year | Coal (Thousands of Short Tons) | Oil * (Thousands of Barrels) | Natural Gas (Billions of Cubic Feet) | Nuclear (U-235) (Trillion BTUs) |
|------|-----------------------------------|---------------------------------|---|------------------------------------|
| 2006 | 31,234 | 25,706 | 679 | 339 |
| 2007 | 30,957 | 31,190 | 691 | 317 |
| 2008 | 36,224 | 14,496 | 736 | 342 |
| 2009 | 26,238 | 10,285 | 845 | 315 |
| 2010 | 27,497 | 9,971 | 923 | 262 |
| 2011 | 25,420 | 2,395 | 1006 | 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 |

*Residual and distillate.

Source: Florida Reliability Coordinating Council, Regional Load and Resource Plan, State Supplement (July 2016), FRCC Form 9.0, p. S-17; Florida Public Service Commission, 2015 Statistics of the Florida Electric Utility Industry.

Table 23
Projected Fuel Requirements
2016-2025

| Year | Coal (Thousands of Short Tons) | Oil * (Thousands of Barrels) | Natural Gas (Billions of Cubic Feet) | Nuclear (U-235) (Trillion BTUs) |
|------|-----------------------------------|---------------------------------|---|------------------------------------|
| 2016 | 19,983 | 745 | 1,131 | 309 |
| 2017 | 20,775 | 300 | 1,148 | 306 |
| 2018 | 21,038 | 277 | 1,154 | 306 |
| 2019 | 21,971 | 239 | 1,131 | 312 |
| 2020 | 23,818 | 145 | 1,101 | 308 |
| 2021 | 24,012 | 145 | 1,106 | 306 |
| 2022 | 22,538 | 183 | 1,146 | 312 |
| 2023 | 23,565 | 184 | 1,144 | 307 |
| 2024 | 24,795 | 180 | 1,132 | 308 |
| 2025 | 25,148 | 161 | 1,145 | 313 |

*Residual and distillate.

Sales

**Table 24
Utilities' Retail Sales
(Megawatt-Hours)
2011-2015**

| Utilities | 2011 | 2012 | 2013 | 2014 | 2015 |
|--|--------------------|--------------------|--------------------|--------------------|--------------------|
| Investor-Owned Electric Systems | | | | | |
| Duke Energy Florida, LLC | 37,596,932 | 36,380,683 | 36,615,987 | 37,240,099 | 38,553,183 |
| Florida Power & Light Company | 103,585,591 | 102,486,274 | 103,050,990 | 104,389,052 | 109,820,398 |
| Florida Public Utilities Company | 697,208 | 653,519 | 630,676 | 648,235 | 638,345 |
| Gulf Power Company | 11,407,228 | 10,987,832 | 10,929,745 | 11,390,697 | 11,085,872 |
| Tampa Electric Company | 18,563,569 | 18,408,580 | 18,417,662 | 18,525,739 | 19,006,474 |
| Municipal Electric Systems | | | | | |
| Alachua | 121,942 | * NR | NR | 116,659 | 121,530 |
| Bartow | 264,361 | 257,599 | 257,304 | 261,505 | 273,041 |
| Beaches Energy Services | 732,175 | 699,527 | 687,865 | 702,194 | 713,708 |
| Blountstown | NR | NR | NR | 36,307 | 35,439 |
| Bushnell | 23,692 | NR | NR | 23,801 | 23,252 |
| Chattahoochee | 41,037 | 36,104 | 35,796 | 36,574 | 37,890 |
| Clewiston | 98,396 | 96,278 | 93,753 | 95,925 | 100,978 |
| Fort Meade | 39,888 | 38,857 | 38,967 | 39,295 | 40,512 |
| Fort Pierce Utilities Authority | 529,703 | 515,941 | 516,235 | 518,446 | 550,871 |
| Gainesville Regional Utilities | 1,769,222 | 1,699,935 | 1,694,401 | 1,708,818 | 1,765,193 |
| Green Cove Springs | 110,894 | NR | NR | 96,513 | 111,677 |
| Havana | 24,546 | NR | NR | 24,107 | 24,079 |
| Homestead | 451,500 | NR | NR | 493,636 | 535,095 |
| JEA | 12,740,038 | 11,906,884 | 11,829,364 | 12,224,128 | 11,090,657 |
| Key Energy Services | 707,164 | 702,495 | 707,235 | 715,008 | 751,178 |
| Kissimmee Utility Authority | 1,346,630 | 1,333,923 | 1,350,728 | 1,383,233 | 1,472,391 |
| Lake Worth Utilities Authority | NR | NR | NR | 373,598 | 430,307 |
| Lakeland | 2,955,211 | 2,770,042 | 2,832,342 | 2,904,061 | 3,034,075 |
| Leesburg | 470,194 | 453,107 | 455,380 | 441,239 | 470,555 |
| Moore Haven | NR | NR | NR | 12,933 | 16,178 |
| Mount Dora | 88,836 | 84,632 | 85,683 | 87,009 | 89,184 |
| New Smyrna Beach | 376,774 | 365,076 | 372,081 | 386,381 | 396,602 |
| Newberry | NR | NR | NR | 32,774 | 33,986 |
| Ocala Electric Utility | NR | NR | NR | 1,221,227 | 1,256,904 |
| Orlando Utilities Commission** | 3,223,235 | NR | NR | 6,210,381 | 6,535,984 |
| Quincy | NR | NR | NR | 125,747 | 123,847 |
| Reedy Creek Utilities Company | 1,138,348 | NR | NR | 1,127,952 | 1,149,020 |
| Starke | 70,068 | 65,387 | 64,825 | 66,269 | 67,841 |
| Tallahassee | NR | NR | NR | 2,637,695 | 2,654,983 |
| Vero Beach | 720,450 | 701,617 | 688,020 | 704,939 | 738,209 |
| Wauchula | 59,745 | NR | NR | 59,712 | 63,349 |
| Williston | NR | NR | NR | 30,316 | 31,935 |
| Winter Park | NR | NR | NR | 420,523 | 433,409 |
| Rural Electric Cooperatives | | | | | |
| Central Florida Electric Co-op | 457,935 | 445,997 | 447,305 | 464,089 | 471,129 |
| Choctawhatchee Electric Co-op | 777,145 | 731,688 | 748,286 | 805,232 | 818,143 |
| Clay County Electric Co-op | 3,163,768 | 2,971,589 | 3,012,976 | 3,127,781 | 3,152,976 |
| Escambia River Electric Co-op | -167,951 | NR | NR | 177,604 | 175,021 |
| Florida Keys Electric Co-op | 651,920 | 640,872 | 659,748 | 679,462 | 720,650 |
| Glades Electric Co-op | NR | 311,001 | 305,418 | 307,948 | 315,608 |
| Gulf Coast Electric Co-op | 329,775 | NR | NR | 336,426 | 339,769 |
| Lee County Electric Co-op | NR | NR | NR | 3,570,274 | 3,790,662 |
| Okefenoke Rural Electric Membership Co-op*** | 163,585 | 153,875 | 151,761 | 157,544 | 157,160 |
| Peace River Electric Co-op | 595,154 | 599,868 | 602,492 | 624,492 | 679,718 |
| Sumter Electric Co-op | 2,764,711 | 2,771,266 | 2,836,670 | 2,982,645 | 3,149,363 |
| Suwannee Valley Electric Co-op | 452,801 | 425,422 | 442,172 | 479,238 | 505,520 |
| Talquin Electric Co-op | NR | NR | NR | 965,142 | 955,069 |
| Tri-County Electric Co-op | NR | NR | NR | 298,986 | 300,179 |
| West Florida Electric Co-op | NR | 465,858 | 477,632 | 504,163 | 498,390 |
| Withlacoochee River Electric Co-op | 3,627,733 | 3,570,119 | 3,565,155 | 3,685,143 | 3,811,169 |
| Respondent Total ^ | 213,107,055 | 203,731,846 | 204,604,653 | 226,678,897 | 234,118,658 |
| FRCC State Total | | | | | 227,426,000 |

* NR=Not Reported.

** St. Cloud data is included as part of Orlando

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

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

Source: Response to staff data request, Florida Reliability Coordinating Council, Regional Load and Resource Plan, State Supplement (July 2016), FRCC Form 4.0, p. S-2; Florida Public Service Commission, 2015 Statistics of the Florida Electric Utility Industry.

Table 25
Utilities' Retail Sales by Class of Service
(Megawatt-Hours)
2015

| Utilities | Residential | Commercial | Industrial | Other* | Total |
|---|--------------------|-------------------|-------------------|------------------|--------------------|
| Investor-Owned Electric Systems | | | | | |
| Duke Energy Florida, LLC | 19,931,985 | 12,070,127 | 3,292,522 | 3,258,550 | 38,553,183 |
| Florida Power & Light Company | 58,846,342 | 47,368,530 | 3,042,228 | 563,299 | 109,820,398 |
| Florida Public Utilities Company | 303,644 | 307,938 | 18,880 | 7,884 | 638,345 |
| Gulf Power Company | 5,364,991 | 3,897,658 | 1,798,021 | 25,201 | 11,085,872 |
| Tampa Electric Company | 9,045,021 | 6,300,667 | 1,869,541 | 1,791,245 | 19,006,474 |
| Municipal Electric Systems | | | | | |
| Alachua | 43,175 | 78,355 | 0 | 0 | 121,530 |
| Bartow | 135,352 | 16,481 | 110,728 | 10,480 | 273,041 |
| Beaches Energy Services | 440,883 | 272,825 | 0 | 0 | 713,708 |
| Blountstown | 11,135 | 22,434 | 0 | 1,869 | 35,439 |
| Bushnell | 8,269 | 7,895 | 7,088 | 0 | 23,252 |
| Chattahoochee | 11,595 | 4,207 | 20,545 | 1,543 | 37,890 |
| Clewiston | 51,484 | 47,343 | 1,770 | 381 | 100,978 |
| Fort Meade | 27,101 | 6,399 | 1,211 | 5,801 | 40,512 |
| Fort Pierce Utilities Authority | 234,680 | 305,948 | 0 | 10,243 | 550,871 |
| Gainesville Regional Utilities | 799,153 | 808,740 | 157,300 | 0 | 1,765,193 |
| Green Cove Springs | 52,121 | 59,556 | 0 | 0 | 111,677 |
| Havana | 13,287 | 10,792 | 0 | 0 | 24,079 |
| Homestead | 294,059 | 36,033 | 161,787 | 43,216 | 535,095 |
| JEA | 5,197,185 | 3,001,310 | 2,805,618 | 86,544 | 11,090,657 |
| Keys Energy Services | 371,698 | 376,037 | 0 | 3,443 | 751,178 |
| Kissimmee Utility Authority | 805,335 | 473,357 | 176,388 | 17,310 | 1,472,391 |
| Lake Worth Utilities Authority | 251,572 | 96,437 | 0 | 82,297 | 430,307 |
| Lakeland | 1,468,152 | 831,861 | 699,077 | 34,985 | 3,034,075 |
| Leesburg | 217,868 | 213,598 | 19,859 | 19,230 | 470,555 |
| Moore Haven | 9,095 | 6,739 | 0 | 344 | 16,178 |
| Mount Dora | 51,704 | 31,687 | 0 | 5,792 | 89,184 |
| New Smyrna Beach | 262,941 | 51,108 | 79,452 | 3,101 | 396,602 |
| Newberry | 18,340 | 3,254 | 6,316 | 6,076 | 33,986 |
| Ocala Electric Utility | 511,046 | 176,048 | 539,076 | 30,734 | 1,256,904 |
| Orlando Utilities Commission** | 2,429,876 | 3,906,874 | 0 | 199,234 | 6,535,984 |
| Quincy | 48,337 | 53,370 | 18,984 | 3,157 | 123,847 |
| Reedy Creek Utilities Company | 147 | 1,141,729 | 0 | 7,143 | 1,149,020 |
| Starke | 23,280 | 44,561 | 0 | 0 | 67,841 |
| Tallahassee | 1,087,978 | 1,537,062 | 0 | 29,943 | 2,654,983 |
| Vero Beach | 373,553 | 350,649 | 14,006 | 0 | 738,209 |
| Wauchula | 27,694 | 31,094 | 0 | 4,562 | 63,349 |
| Williston | 13,396 | 15,315 | 0 | 3,225 | 31,935 |
| Winter Park | 190,306 | 220,463 | 0 | 22,641 | 433,409 |
| Rural Electric Cooperatives | | | | | |
| Central Florida Electric Co-op | 344,602 | 65,788 | 44,343 | 16,397 | 471,129 |
| Choctawhatchee Electric Co-op | 603,481 | 103,654 | 111,008 | 0 | 818,143 |
| Clay County Electric Co-op | 2,158,661 | 640,745 | 353,461 | 110 | 3,152,976 |
| Escambia River Electric Co-op | 133,289 | 36,087 | 5,178 | 466 | 175,021 |
| Florida Keys Electric Co-op | 415,500 | 110,639 | 194,026 | 485 | 720,650 |
| Glades Electric Co-op | 153,985 | 29,331 | 132,292 | 0 | 315,608 |
| Gulf Coast Electric Co-op | 264,322 | 30,512 | 32,882 | 12,052 | 339,769 |
| Lee County Electric Co-op | 2,619,270 | 1,142,274 | 0 | 29,119 | 3,790,662 |
| Okefenokee Rural Electric Membership Co-op*** | 144,197 | 7,288 | 2,960 | 2,714 | 157,160 |
| Peace River Electric Co-op | 449,436 | 201,199 | 16,027 | 13,057 | 679,718 |
| Sumter Electric Co-op | 2,167,742 | 699,279 | 281,166 | 1,176 | 3,149,363 |
| Suwannee Valley Electric Co-op | 287,946 | 93,868 | 116,505 | 7,201 | 505,520 |
| Talquin Electric Co-op | 673,964 | 163,188 | 110,918 | 6,999 | 955,069 |
| Tri-County Electric Co-op | 166,900 | 48,896 | 73,138 | 11,244 | 300,179 |
| West Florida Electric Co-op | 318,525 | 37,688 | 107,218 | 34,958 | 498,390 |
| Withlacoochee River Electric Co-op | 2,659,201 | 935,088 | 195,050 | 21,831 | 3,811,169 |
| Respondent Total ^ | 122,534,801 | 88,530,004 | 16,616,571 | 6,437,283 | 234,118,658 |
| FRCC State Total | 117,615,000 | 86,027,000 | 17,342,000 | 6,442,000 | 227,426,000 |

* Street and Highway Lighting, Sales to Public Authorities, and Interdepartmental Sales.

** St. Cloud data is included as part of Orlando.

*** Okefenokee sells power in Florida and Georgia, figures reflect Florida customers only.

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

Table 26
Sales for Resale for Selected Utilities
(Megawatt-Hours)
2015

| Utilities | Sales for Resale (Megawatt-Hours) | Total * Retail Sales (Megawatt-Hours) | Total Sales (Megawatt-Hours) | Resales as Percentage of Total (%) |
|--|-----------------------------------|---------------------------------------|------------------------------|------------------------------------|
| Investor-Owned Electric Systems | | | | |
| Duke Energy Florida, LLC | 1,436,196 | 38,553,183 | 39,989,379 | 3.59% |
| Florida Power & Light Company | 9,584,865 | 109,820,397 | 119,405,262 | 8.03 |
| Gulf Power Company | 2,946,065 | 11,085,872 | 14,031,937 | 21.00 |
| Tampa Electric Company | 115,288 | 19,006,474 | 19,121,762 | 0.60 |
| Municipal Electric Systems | | | | |
| Gainesville Regional Utilities | 214,139 | 1,765,193 | 1,979,332 | 10.82% |
| JEA | 391,751 | 11,090,657 | 11,482,408 | 3.41 |
| Orlando Utilities Commission ** | 1,316,566 | 6,535,984 | 7,852,550 | 16.77 |
| Reedy Creek Utilities Company | 3,487 | 1,149,020 | 1,152,507 | 0.30 |
| Tallahassee | 102,822 | 2,654,983 | 2,757,806 | 3.73 |
| Rural Electric Cooperatives | | | | |
| PowerSouth Energy Co-op | 1,921,793 | 0 | 1,921,793 | 100.00% |
| Seminole Electric Co-op | 14,047,174 | 0 | 14,047,174 | 100.00 |
| Suwannee Valley Electric Co-op | 6,419 | 505,520 | 511,939 | 1.25 |
| Talquin Electric Co-op | 22,828 | 955,069 | 977,897 | 2.33 |

* Includes Residential, Commercial, Industrial, and Other Customers.

** St. Cloud data is included as part of Orlando.

Table 27
Retail Sales by Class of Service
(Gigawatt-Hours)
2011-2015

| Year | Residential | Commercial | Industrial | Other* | Total Retail Sales |
|------|-------------|------------|------------|--------|--------------------|
| 2011 | 113,554 | 80,321 | 20,543 | 6,190 | 220,608 |
| 2012 | 109,163 | 80,905 | 19,616 | 6,196 | 215,880 |
| 2013 | 110,127 | 83,283 | 17,047 | 6,132 | 216,589 |
| 2014 | 111,826 | 83,326 | 17,223 | 6,271 | 218,646 |
| 2015 | 117,615 | 86,027 | 17,342 | 6,442 | 227,426 |

* Street and Highway Lighting, Other Sales, and Interdepartmental Sales.

Table 28
Retail Sales as a Percentage by Class of Service
2006-2015

| Year | Residential | Commercial | Industrial | Other* |
|------|-------------|------------|------------|--------|
| 2006 | 47.61% | 40.24% | 8.21% | 3.94% |
| 2007 | 51.60 | 33.54 | 11.15 | 3.71 |
| 2008 | 50.85 | 35.76 | 9.93 | 3.46 |
| 2009 | 51.78 | 34.99 | 9.79 | 3.44 |
| 2010 | 53.25 | 33.96 | 9.42 | 3.36 |
| 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 |

*Street and Highway Lighting.

Revenues

Table 29
Revenues by Class of Service*
(Thousands)
2006-2015

| Year | Residential | Commercial | Industrial | Other ** | Total*** |
|------|--------------|-------------|-------------|-----------|--------------|
| 2006 | \$13,269,751 | \$7,528,590 | \$2,366,497 | \$770,472 | \$23,935,310 |
| 2007 | 13,277,193 | 7,597,120 | 2,324,045 | 807,329 | 24,005,687 |
| 2008 | 12,718,094 | 7,741,767 | 2,089,924 | 729,026 | 23,278,811 |
| 2009 | 13,879,777 | 8,186,033 | 2,322,558 | 828,870 | 25,217,238 |
| 2010 | 13,130,852 | 7,165,633 | 1,869,629 | 774,006 | 22,940,120 |
| 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 |

*The amounts shown reflect revenues for all Florida electric utilities (Investor-Owned Electric Utilities, Municipal Electric Systems, and Rural Electric Cooperatives).

** Street and Highway Lighting, Sales to Public Authorities, and Interdepartmental Sales.

***May not add to total due to rounding..

Table 30
Revenues as a Percentage by Class of Service
2006-2015

| Year | Residential | Commercial | Industrial | Other* |
|------|-------------|------------|------------|--------|
| 2006 | 55.4% | 31.5% | 9.9% | 3.2% |
| 2007 | 55.3 | 31.6 | 9.7 | 3.4 |
| 2008 | 54.6 | 33.3 | 9.0 | 3.1 |
| 2009 | 55.0 | 32.5 | 9.2 | 3.3 |
| 2010 | 57.2 | 31.2 | 8.2 | 3.4 |
| 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 |

* Street and Highway Lighting, Sales to Public Authorities, and Interdepartmental Sales.

Number of Customers

**Table 31
Number of Customers
2011-2015**

| Utilities | 2011 | 2012 | 2013 | 2014 | 2015 | Compound Growth Rate |
|---|------------------|------------------|------------------|-------------------|-------------------|----------------------|
| Investor-Owned Electric Systems | | | | | | |
| Duke Energy Florida, LLC | 1,642,145 | 1,645,133 | 1,682,181 | 1,699,077 | 1,798,990 | 2.31% |
| Florida Power & Light Company | 4,546,979 | 4,576,415 | 4,626,946 | 4,708,819 | 4,806,234 | 1.40 |
| Florida Public Utilities Company | 30,986 | 31,089 | 31,155 | 31,272 | 31,506 | 0.42 |
| Gulf Power Company | 432,403 | 434,441 | 437,698 | 442,370 | 449,471 | 0.97 |
| Tampa Electric Company | 675,799 | 684,235 | 694,734 | 706,160 | 718,712 | 1.55 |
| Municipal Electric Systems | | | | | | |
| Alachua | 4,168 | * NR | NR | 4,423 | 4,482 | 1.83% |
| Bartow | 11,618 | 11,603 | 11,736 | 11,876 | 12,036 | 0.89 |
| Beach Energy Services | 33,319 | 33,260 | 33,929 | 34,282 | 34,903 | 1.17 |
| Blountstown | NR | NR | NR | 1,349 | 1,312 | 0.00 |
| Bushnell | 1,026 | NR | NR | 1,021 | 1,031 | 0.12 |
| Chattahoochee | 1,205 | 1,175 | 1,162 | 1,156 | 1,157 | -1.01 |
| Clewiston | 4,195 | 4,167 | 4,206 | 4,237 | 4,289 | 0.56 |
| Fort Meade | 2,711 | 2,711 | 2,722 | 2,652 | 2,803 | 0.84 |
| Fort Pierce Utilities Authority | 27,750 | 27,717 | 27,738 | 28,166 | 28,251 | 0.45 |
| Gainesville Regional Utilities | 92,265 | 92,556 | 93,134 | 93,855 | 94,628 | 0.63 |
| Green Cove Springs | 3,801 | NR | NR | 3,865 | 3,921 | 0.78 |
| Havana | 1,355 | NR | NR | 1,391 | 1,427 | 1.30 |
| Homestead | 22,369 | NR | NR | 23,032 | 23,211 | 0.93 |
| JEA | 409,193 | 413,017 | 419,299 | 426,373 | 449,263 | 2.36 |
| Keys Energy Services | 30,171 | 30,282 | 30,406 | 30,752 | 31,167 | 0.82 |
| Kissimmee Utility Authority | 63,167 | 64,297 | 65,370 | 66,608 | 68,396 | 2.01 |
| Lake Worth Utilities | NR | NR | NR | 25,783 | 26,558 | 0.00 |
| Lakeland | 121,747 | 122,057 | 122,803 | 124,018 | 125,666 | 0.80 |
| Leesburg | 22,509 | 22,478 | 22,709 | 23,483 | 23,793 | 1.40 |
| Moore Haven | NR | NR | NR | 1,017 | 863 | 0.00 |
| Mount Dora | 5,663 | 5,705 | 5,680 | 5,712 | 5,798 | 0.59 |
| New Smyrna Beach | 25,401 | 25,581 | 25,869 | 26,375 | 26,740 | 1.29 |
| Newberry | NR | NR | NR | 1,687 | 1,723 | 0.00 |
| Ocala Electric Utility | NR | NR | NR | 49,168 | 51,896 | 0.00 |
| Orlando Utilities Commission** | 223,618 | NR | NR | 278,790 | 290,915 | 6.80 |
| Quincy | NR | NR | NR | 4,796 | 4,767 | 0.00 |
| Reedy Creek Utilities Company | 1,301 | NR | NR | 1,374 | 1,387 | 1.61 |
| Starke | 2,699 | 2,691 | 2,686 | 2,731 | 2,759 | 0.55 |
| Tallahassee | NR | NR | NR | 116,709 | 117,827 | 0.00 |
| Vero Beach | 33,598 | 33,722 | 33,924 | 34,616 | 34,538 | 0.69 |
| Wauchula | 2,641 | NR | NR | 2,680 | 2,775 | 1.25 |
| Williston | NR | NR | NR | 1,473 | 1,552 | 0.00 |
| Winter Park | NR | NR | NR | 14,150 | 14,392 | 0.00 |
| Rural Electric Cooperatives | | | | | | |
| Central Florida Electric Co-op | 32,638 | 32,608 | 32,641 | 32,734 | 32,943 | 0.23% |
| Choctawhatchee Electric Co-op | 43,311 | 44,302 | 45,290 | 46,656 | 47,291 | 2.22 |
| Clay County Electric Co-op | 166,171 | 231,624 | 237,625 | 239,735 | 170,429 | 0.63 |
| Escambia River Electric Co-op | 9,957 | NR | NR | 10,254 | 10,467 | 1.26 |
| Florida Keys Electric Co-op | 31,204 | 31,535 | 31,832 | 32,292 | 32,415 | 0.96 |
| Glades Electric Co-op | NR | 16,034 | 16,054 | 16,180 | 16,373 | 0.00 |
| Gulf Coast Electric Co-op | 20,173 | NR | NR | 20,013 | 20,274 | 0.12 |
| Lee County Electric Co-op | NR | NR | NR | 204,023 | 208,626 | 0.00 |
| Okefenokee Rural Electric Membership Co-op*** | 9,947 | 9,939 | 10,028 | 10,037 | 10,999 | 2.55 |
| Peace River Electric Co-op | 33,368 | 34,059 | 34,848 | 36,387 | 38,674 | 3.76 |
| Sumter Electric Co-op | 174,949 | 177,078 | 181,674 | 187,106 | 193,110 | 2.50 |
| Suwannee Valley Electric Co-op | 24,884 | 24,964 | 25,244 | 25,426 | 25,415 | 0.53 |
| Talquin Electric Co-op | NR | NR | NR | 52,894 | 53,213 | 0.00 |
| Tri-County Electric Co-op | NR | NR | NR | 17,716 | 17,830 | 0.00 |
| West Florida Electric Co-op | NR | 27,859 | 28,168 | 28,036 | 28,202 | 0.00 |
| Withlacoochee River Electric Co-op | 200,549 | 201,186 | 202,353 | 204,362 | 208,761 | 1.01 |
| Respondent Total ^ | 9,222,953 | 9,095,519 | 9,221,844 | 10,201,149 | 10,416,161 | 3.09 |
| FRCC State Total | 9,434,393 | 9,495,319 | 9,585,729 | 9,607,315 | 9,764,790 | 0.86 |

* NR=Not Reported

** St. Cloud data is included as part of Orlando

*** Okefenokee sells power in Florida and Georgia. These figures reflect Florida customers only

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

Source: Response to staff data request, Florida Reliability Coordinating Council, Regional Load and Resource Plan, State Supplement (July 2016), FRCC Form 4.0, p. S-2, Florida Public Service Commission, 2015 Statistics of the Florida Electric Utility Industry.

Table 32
Number of Customers by Class of Service
December 31, 2015

| Utilities | Residential | Commercial | Industrial | Other | Total |
|---|------------------|------------------|---------------|----------------|-------------------|
| Investor-Owned Electric Systems | | | | | |
| Duke Energy Florida, LLC | 1,596,729 | 173,688 | 2,219 | 26,354 | 1,798,990 |
| Florida Power & Light Company | 4,254,635 | 535,919 | 11,719 | 3,961 | 4,806,234 |
| Florida Public Utilities Company | 24,109 | 4,413 | 2 | 2,982 | 31,506 |
| Gulf Power Company | 393,149 | 55,460 | 248 | 614 | 449,471 |
| Tampa Electric Company | 635,403 | 73,556 | 1,585 | 8,168 | 718,712 |
| Total IOU Customers | 6,904,025 | 843,036 | 15,773 | 42,079 | 7,804,913 |
| Municipal Electric Systems | | | | | |
| Alachua | 3,737 | 745 | 0 | 0 | 4,482 |
| Bartow | 10,299 | 1,250 | 354 | 133 | 12,036 |
| Beach Energy Services | 29,709 | 5,194 | 0 | 0 | 34,903 |
| Blountstown | 976 | 298 | 0 | 38 | 1,312 |
| Bushnell | 752 | 269 | 10 | 0 | 1,031 |
| Chattahoochee | 978 | 115 | 1 | 63 | 1,157 |
| Clewiston | 3,438 | 601 | 1 | 249 | 4,289 |
| Fort Meade | 2,508 | 248 | 1 | 46 | 2,803 |
| Fort Pierce Utilities Authority | 23,175 | 5,076 | 0 | 0 | 28,251 |
| Gainesville Regional Utilities | 83,953 | 10,663 | 12 | 0 | 94,628 |
| Green Cove Springs | 3,206 | 715 | 0 | 0 | 3,921 |
| Havana | 1,117 | 310 | 0 | 0 | 1,427 |
| Homestead | 20,633 | 1,948 | 550 | 80 | 23,211 |
| JEA | 394,389 | 51,044 | 203 | 3,627 | 449,263 |
| Keys Energy Services | 25,517 | 4,306 | 0 | 1,344 | 31,167 |
| Kissimmee Utility Authority | 58,757 | 9,571 | 68 | 0 | 68,396 |
| Lake Worth Utilities | 22,830 | 2,921 | 0 | 807 | 26,558 |
| Lakeland | 104,590 | 12,733 | 83 | 8,260 | 125,666 |
| Leesburg | 19,544 | 3,861 | 1 | 387 | 23,793 |
| Moore Haven | 729 | 109 | 0 | 25 | 863 |
| Mount Dora | 4,917 | 785 | 0 | 96 | 5,798 |
| New Smyrna Beach | 23,395 | 2,130 | 133 | 1,082 | 26,740 |
| Newberry | 1,415 | 170 | 37 | 101 | 1,723 |
| Ocala Electric Utility | 40,860 | 9,683 | 988 | 365 | 51,896 |
| Orlando Utilities Commission* | 195,605 | 29,499 | 0 | 65,811 | 290,915 |
| Quincy | 3,904 | 772 | 1 | 90 | 4,767 |
| Reedy Creek Utilities Company | 9 | 1,307 | 0 | 71 | 1,387 |
| Starke | 2,009 | 750 | 0 | 0 | 2,759 |
| Tallahassee | 99,007 | 14,828 | 0 | 3,992 | 117,827 |
| Vero Beach | 28,803 | 5,734 | 1 | 0 | 34,538 |
| Wauchula | 2,205 | 496 | 0 | 74 | 2,775 |
| Williston | 1,087 | 365 | 2 | 98 | 1,552 |
| Winter Park | 11,882 | 2,510 | 0 | 0 | 14,392 |
| Total Municipal Customers | 1,225,935 | 181,006 | 2,446 | 86,839 | 1,496,226 |
| Rural Electric Cooperatives | | | | | |
| Central Florida Electric Co-op | 29,838 | 2,226 | 399 | 480 | 32,943 |
| Choctawhatchee Electric Co-op | 41,461 | 5,601 | 229 | 0 | 47,291 |
| Clay County Electric Co-op | 151,841 | 18,521 | 29 | 38 | 170,429 |
| Escambia River Electric Co-op | 9,172 | 1,272 | 5 | 18 | 10,467 |
| Florida Keys Electric Co-op | 26,717 | 5,198 | 485 | 15 | 32,415 |
| Glades Electric Co-op | 12,487 | 3,096 | 790 | 0 | 16,373 |
| Gulf Coast Electric Co-op | 18,878 | 897 | 11 | 488 | 20,274 |
| Lee County Electric Co-op | 190,957 | 17,463 | 0 | 206 | 208,626 |
| Okefenoke Rural Electric Membership Co-op** | 10,365 | 559 | 1 | 74 | 10,999 |
| Peace River Electric Co-op | 31,917 | 6,694 | 2 | 61 | 38,674 |
| Seminole Electric Co-op | 0 | 0 | 0 | 0 | 0 |
| Sumter Electric Co-op | 176,255 | 16,807 | 19 | 29 | 193,110 |
| Suwannee Valley Electric Co-op | 22,096 | 3,226 | 9 | 84 | 25,415 |
| Talquin Electric Co-op | 49,245 | 3,302 | 4 | 662 | 53,213 |
| Tri-County Electric Co-op | 16,038 | 1,515 | 13 | 264 | 17,830 |
| West Florida Electric Co-op | 24,908 | 2,676 | 1 | 617 | 28,202 |
| Withlacoochee River Electric Co-op | 188,119 | 20,190 | 26 | 426 | 208,761 |
| Total Electric Cooperative Customers | 1,000,294 | 109,243 | 2,023 | 3,462 | 1,115,022 |
| Respondent Total | 9,130,254 | 1,133,285 | 20,242 | 132,380 | 10,416,161 |
| FRCC State Total | 8,659,510 | 1,082,577 | 22,703 | N/A | 9,764,790 |

* St. Cloud data is included as part of Orlando.

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

Source: Response to staff data request, Florida Reliability Coordinating Council, Regional Load and Resource Plan, State Supplement (July 2015), FRCC Form 4.0, p. S-2.

Table 33
Population and Customers for Selected Investor-Owned Utilities
Historical and Forecasted
2006-2025

| Utilities | Year | Residential Customers | Commercial Customers | Industrial Customers | Other Customers | Total Customers | Population |
|-------------------------------|--------|-----------------------|----------------------|----------------------|-----------------|-----------------|------------|
| Duke Energy Florida, LLC | 2006 | 1,431,743 | 162,774 | 2,697 | 23,182 | 1,620,396 | 3,505,058 |
| | 2009 | 1,441,325 | 161,390 | 2,487 | 24,993 | 1,630,195 | 3,564,937 |
| | 2014 | 1,503,758 | 167,253 | 2,280 | 25,800 | 1,699,091 | 3,771,164 |
| | 2019 * | 1,624,674 | 180,041 | 2,190 | 26,464 | 1,833,369 | 3,952,021 |
| | 2025 * | 1,768,912 | 196,479 | 2,151 | 27,133 | 1,994,675 | 4,276,765 |
| Florida Power & Light Company | 2006 | 3,906,267 | 478,867 | 21,211 | 3,218 | 4,409,563 | 8,565,331 |
| | 2009 | 3,984,490 | 501,055 | 10,084 | 3,439 | 4,499,068 | 8,747,839 |
| | 2014 | 4,169,028 | 525,591 | 10,415 | 3,795 | 4,708,829 | 9,372,089 |
| | 2019 * | 4,484,457 | 559,800 | 14,088 | 4,259 | 5,062,604 | 10,023,483 |
| | 2025 * | 4,876,523 | 594,162 | 14,389 | 4,728 | 5,489,802 | 10,844,154 |
| Gulf Power Company | 2006 | 360,930 | 53,479 | 294 | 482 | 415,185 | 859,890 |
| | 2009 | 374,010 | 53,414 | 280 | 502 | 428,206 | 866,520 |
| | 2014 | 386,765 | 54,749 | 258 | 598 | 442,370 | 928,620 |
| | 2019 * | 413,423 | 57,277 | 253 | 610 | 471,563 | 1,007,560 |
| | 2025 * | 434,138 | 58,843 | 253 | 610 | 493,844 | 1,104,080 |
| Tampa Electric Company | 2006 | 575,111 | 70,205 | 1,485 | 6,905 | 653,706 | 1,170,851 |
| | 2009 | 587,396 | 70,182 | 1,424 | 7,748 | 666,750 | 1,215,216 |
| | 2014 | 623,846 | 72,647 | 1,572 | 8,095 | 706,160 | 1,301,887 |
| | 2019 * | 688,302 | 76,549 | 1,680 | 8,441 | 774,972 | 1,442,390 |
| | 2025 * | 765,225 | 80,538 | 1,761 | 8,895 | 856,419 | 1,610,563 |

*Projected.

Prices

Table 34, Page 1 of 3
Typical Electric Bill Comparison* - Residential Charges
December 31, 2015

| Investor-Owned Electric Utilities | Minimum Bill or Customer Charge | 100 KWH | 250 KWH | 500 KWH | 750 KWH | 1,000 KWH | 1,500 KWH |
|-----------------------------------|---------------------------------|---------|---------|---------|---------|-----------|-----------|
| Duke Energy Florida, LLC | \$8.76 | \$19.73 | \$36.23 | \$63.66 | \$91.12 | \$118.55 | \$185.26 |
| Florida Power & Light Company | 7.57 | 16.25 | 29.26 | 50.95 | 72.63 | 94.30 | 148.09 |
| Florida Public Utilities Company | | | | | | | |
| Northwest Division | 14.00 | 26.36 | 44.90 | 75.79 | 106.68 | 137.57 | 211.86 |
| Northeast Division | 14.00 | 26.36 | 44.90 | 75.79 | 106.68 | 137.57 | 211.86 |
| Gulf Power Company | 18.60 | 30.33 | 47.90 | 77.22 | 106.51 | 135.81 | 194.43 |
| Tampa Electric Company | 15.00 | 24.12 | 37.81 | 60.61 | 83.40 | 106.20 | 161.81 |

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

Table 34, Page 2 of 3
Typical Electric Bill Comparison* - Residential Charges
December 31, 2015

| Municipal Electric Systems | Minimum Bill or Customer Charge | 100 KWH | 250 KWH | 500 KWH | 750 KWH | 1,000 KWH | 1,500 KWH |
|---------------------------------|---------------------------------|---------|---------|---------|---------|-----------|-----------|
| Alachua | \$9.14 | \$21.01 | \$38.80 | \$68.47 | \$98.13 | \$127.79 | \$192.22 |
| Bartow | 8.00 | 19.67 | 37.18 | 66.35 | 95.53 | 124.70 | 183.05 |
| Beaches Energy Services | 3.50 | 15.39 | 33.21 | 62.93 | 92.64 | 122.35 | 181.78 |
| Blountstown | 7.40 | 18.67 | 35.56 | 63.73 | 91.89 | 120.05 | 176.38 |
| Bushnell | 6.50 | 17.39 | 33.73 | 60.97 | 88.20 | 115.43 | 169.90 |
| Chattahoochee | 6.50 | 15.74 | 29.61 | 52.71 | 75.82 | 98.92 | 145.13 |
| Clewiston | 12.96 | 24.12 | 40.86 | 68.76 | 96.66 | 124.56 | 180.36 |
| Fort Meade | 6.01 | 16.33 | 31.82 | 57.62 | 83.43 | 111.84 | 168.66 |
| Fort Pierce Utilities Authority | 14.25 | 26.35 | 44.50 | 74.75 | 105.00 | 138.40 | 209.40 |
| Gainesville Regional Utilities | 12.00 | 20.80 | 34.00 | 56.00 | 78.00 | 100.00 | 146.00 |
| Green Cove Springs | 6.00 | 14.70 | 27.75 | 49.50 | 71.25 | 92.99 | 136.49 |
| Havana | 5.60 | 16.76 | 33.51 | 61.42 | 89.32 | 117.23 | 173.05 |
| Homestead | 5.50 | 16.07 | 31.92 | 58.33 | 84.75 | 111.16 | 163.99 |
| JEA | 4.50 | 16.34 | 34.10 | 63.71 | 93.31 | 122.91 | 182.12 |
| Key Energy Services | 15.03 | 25.23 | 40.52 | 66.01 | 91.51 | 117.00 | 167.98 |
| Kissimmee Utility Authority | 10.17 | 18.92 | 32.04 | 53.90 | 75.77 | 97.63 | 147.69 |
| Lake Worth Utilities | 10.53 | 20.95 | 36.58 | 62.63 | 88.68 | 114.73 | 166.83 |
| Lakeland | 9.50 | 19.24 | 33.84 | 58.19 | 82.53 | 106.87 | 158.37 |
| Leesburg | 12.36 | 23.09 | 39.19 | 66.01 | 92.84 | 119.67 | 184.38 |
| Moore Haven | 8.50 | 19.58 | 36.20 | 63.90 | 91.60 | 119.30 | 174.70 |
| Mount Dora | 8.95 | 19.50 | 35.32 | 61.69 | 88.07 | 114.44 | 167.18 |
| New Smyrna Beach | 5.65 | 15.80 | 31.00 | 56.36 | 81.71 | 107.06 | 157.77 |
| Newberry | 7.50 | 18.00 | 33.75 | 60.00 | 86.25 | 112.50 | 165.00 |
| Ocala Electric Utility | 9.33 | 19.66 | 35.16 | 60.99 | 86.81 | 112.64 | 164.30 |
| Orlando Utilities Commission** | 8.00 | 18.15 | 33.36 | 58.72 | 84.08 | 109.43 | 170.15 |
| Quincy | 6.00 | 15.21 | 29.02 | 52.03 | 75.04 | 98.05 | 144.08 |
| Reedy Creek Utilities Company | 2.85 | 12.81 | 27.73 | 52.61 | 77.48 | 102.36 | 152.12 |
| Starke | 0.00 | 9.69 | 24.22 | 48.43 | 72.64 | 96.85 | 153.05 |
| St. Cloud | 8.32 | 18.87 | 34.70 | 61.07 | 87.44 | 113.81 | 176.96 |
| Tallahassee | 7.34 | 18.07 | 34.14 | 60.95 | 87.75 | 114.55 | 168.16 |
| Vero Beach | 8.33 | 19.46 | 36.15 | 63.96 | 91.77 | 119.58 | 175.21 |
| Wauchula | 9.10 | 18.74 | 33.20 | 57.30 | 81.40 | 105.50 | 153.70 |
| Williston | 8.00 | 18.56 | 34.41 | 60.82 | 87.23 | 113.64 | 166.46 |
| Winter Park | 9.55 | 19.27 | 33.83 | 58.11 | 82.39 | 106.66 | 166.17 |

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

**St. Cloud data is included as part of Orlando.

Table 34, Page 3 of 3
Typical Electric Bill Comparison* - Residential Charges
December 31, 2015

| Rural Electric Cooperatives | Minimum Bill or Customer Charge | 100 KWH | 250 KWH | 500 KWH | 750 KWH | 1,000 KWH | 1,500 KWH |
|---|---------------------------------|---------|---------|---------|----------|-----------|-----------|
| Central Florida Electric Co-op | \$24.00 | \$34.30 | \$49.75 | \$75.50 | \$101.25 | \$127.00 | \$190.00 |
| Choctawhatchee Electric Co-op | 26.00 | 34.94 | 48.33 | 70.66 | 92.99 | 115.31 | 159.97 |
| Clay County Electric Co-op | 17.00 | 26.63 | 41.08 | 65.15 | 89.23 | 113.30 | 168.95 |
| Escambia River Electric Co-op | 30.00 | 41.50 | 58.75 | 87.50 | 116.25 | 145.00 | 202.50 |
| Florida Keys Electric Co-op | 30.00 | 37.38 | 48.46 | 66.92 | 85.38 | 103.84 | 157.26 |
| Glades Electric Co-op | 45.00 | 55.10 | 70.25 | 95.50 | 120.75 | 146.00 | 215.25 |
| Gulf Coast Electric Co-op | 30.00 | 39.01 | 52.53 | 75.05 | 97.58 | 120.10 | 165.15 |
| Lee County Electric Co-op | 15.00 | 24.35 | 38.36 | 59.13 | 83.79 | 108.45 | 163.13 |
| Okefenoke Rural Electric Membership Co-op | 20.00 | 30.13 | 45.33 | 70.65 | 95.98 | 121.30 | 175.30 |
| Peace River Electric Co-op | 22.50 | 33.73 | 50.58 | 78.66 | 106.74 | 134.82 | 200.98 |
| Sumter Electric Co-op | 20.00 | 29.62 | 44.05 | 68.10 | 92.15 | 116.20 | 174.30 |
| Suwannee Valley Electric Co-op | 25.00 | 34.80 | 49.50 | 74.00 | 98.50 | 123.00 | 182.70 |
| Talquin Electric Co-op | 20.00 | 30.36 | 45.90 | 71.80 | 97.70 | 123.60 | 182.90 |
| Tri-County Electric Co-op | 22.00 | 33.55 | 50.88 | 79.75 | 108.62 | 137.50 | 205.25 |
| West Florida Electric Co-op | 20.00 | 35.67 | 51.75 | 78.55 | 105.34 | 132.14 | 195.51 |
| Withlacoochee River Electric Co-op | 25.00 | 34.87 | 49.67 | 74.35 | 99.01 | 123.68 | 174.16 |

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

Source: Florida Public Service Commission, Comparative Rate Statistics (December 2015), pp. A-1, A-2, and A-3.

Table 35, Page 1 of 3
Typical Electric Bill Comparison* - Commercial and Industrial Charges
December 31, 2015

| Investor-Owned Electric Utility | 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 | \$1,508 | \$4,059 | \$13,501 | \$34,023 | \$68,035 |
| Florida Power & Light Company | 1,600 | 3,965 | 13,175 | 31,030 | 61,375 |
| Florida Public Utilities Company | | | | | |
| Northwest Division | 1,904 | 5,299 | 17,455 | 44,562 | 88,994 |
| Northeast Division | 1,904 | 5,299 | 17,455 | 44,562 | 88,994 |
| Gulf Power Company | 1,785 | 4,768 | 15,872 | 38,001 | 75,739 |
| Tampa Electric Company | 1,717 | 4,283 | 14,208 | 34,248 | 68,466 |

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

Table 35, Page 2 of 3
Typical Electric Bill Comparison* - Commercial and Industrial Charges
December 31, 2015

| Municipal Electric Systems | 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 | \$2,028 | \$5,440 | \$18,028 | \$45,546 | \$91,046 |
| Bartow | 2,044 | 5,431 | 18,055 | 45,170 | 90,320 |
| Beaches Energy Services | 2,215 | 5,976 | 19,883 | 50,160 | 100,304 |
| Blountstown | 2,004 | 5,997 | 19,975 | 53,255 | 106,503 |
| Bushnell | 2,015 | 5,440 | 18,080 | 45,693 | 91,363 |
| Chattahoochee | 1,914 | 5,352 | 17,822 | 45,840 | 91,672 |
| Clewiston | 1,623 | 4,515 | 14,955 | 38,610 | 77,178 |
| Fort Meade | 1,901 | 5,442 | 18,042 | 44,902 | 89,762 |
| Fort Pierce Utilities Authority | 1,784 | 4,766 | 17,784 | 42,981 | 85,923 |
| Gainesville Regional Utilities | 2,508 | 6,685 | 22,050 | 54,450 | 108,550 |
| Green Cove Springs | 1,678 | 4,295 | 14,200 | 32,125 | 64,025 |
| Havana | 1,311 | 3,921 | 13,055 | 34,802 | 69,598 |
| Homestead | 1,964 | 5,344 | 17,730 | 45,098 | 90,160 |
| JEA | 1,810 | 4,629 | 15,231 | 38,087 | 75,839 |
| Key Energy Services | 1,961 | 5,059 | 16,645 | 41,412 | 82,730 |
| Kissimmee Utility Authority | 1,709 | 4,350 | 14,372 | 35,270 | 70,484 |
| Lake Worth Utilities | 2,325 | 6,124 | 20,226 | 50,736 | 101,392 |
| Lakeland | 1,619 | 4,188 | 14,266 | 34,297 | 68,214 |
| Leesburg | 2,011 | 5,085 | 16,887 | 41,005 | 81,984 |
| Moore Haven | 1,977 | 5,185 | 17,204 | 42,804 | 85,574 |
| Mount Dora | 1,450 | 3,941 | 13,090 | 33,239 | 66,457 |
| New Smyrna Beach | 1,889 | 5,094 | 16,903 | 42,768 | 85,502 |
| Newberry | 1,857 | 4,791 | 15,935 | 37,045 | 74,045 |
| Ocala Electric Utility | 1,648 | 4,450 | 15,101 | 37,478 | 74,932 |
| Orlando Utilities Commission** | 1,658 | 4,313 | 14,305 | 34,703 | 69,331 |
| Quincy | 1,325 | 3,555 | 11,710 | 29,792 | 54,963 |
| Reedy Creek Utilities Company | 1,885 | 4,742 | 15,761 | 38,112 | 76,204 |
| Starke | 1,673 | 5,000 | 16,644 | 44,369 | 88,729 |
| St. Cloud | 1,724 | 4,485 | 14,877 | 36,094 | 72,110 |
| Tallahassee | 1,937 | 4,720 | 15,489 | 36,949 | 73,829 |
| Vero Beach | 1,850 | 5,138 | 17,032 | 43,870 | 87,700 |
| Wauchula | 1,720 | 4,621 | 15,250 | 38,735 | 77,405 |
| Williston | 1,747 | 4,815 | 15,770 | 39,970 | 79,890 |
| Winter Park | 1,456 | 3,997 | 13,293 | 33,895 | 67,777 |

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

**St. Cloud data is included as part of Orlando.

Table 35, Page 3 of 3
Typical Electric Bill Comparison* - Commercial and Industrial Charges
December 31, 2015

| Rural Electric Cooperatives | 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 Co-op | \$1,970 | \$5,132 | \$16,874 | \$41,749 | \$83,399 |
| Choctawhatchee Electric Co-op | 1,427 | 3,739 | 11,724 | 29,555 | 59,067 |
| Clay County Electric Co-op | 1,606 | 4,333 | 14,255 | 36,430 | 69,365 |
| Escambia River Electric Co-op | 2,128 | 5,645 | 18,700 | 46,950 | 93,850 |
| Florida Keys Electric Co-op | 1,530 | 4,439 | 14,627 | 38,866 | 77,658 |
| Glades Electric Co-op | 2,288 | 5,963 | 19,525 | 49,150 | 98,150 |
| Gulf Coast Electric Co-op | 1,876 | 4,554 | 15,085 | 36,943 | 73,843 |
| Lee County Electric Co-op | 1,622 | 4,287 | 13,261 | 32,434 | 64,844 |
| Okefenoke Rural Electric Membership Co-op | 1,878 | 4,915 | 16,150 | 40,600 | 81,100 |
| Peace River Electric Co-op | 1,911 | 4,915 | 16,149 | 40,147 | 80,194 |
| Sumter Electric Co-op | 1,604 | 4,270 | 14,105 | 35,605 | 71,155 |
| Suwannee Valley Electric Co-op | 1,763 | 4,727 | 15,760 | 38,810 | 77,370 |
| Talquin Electric Co-op | 1,709 | 4,743 | 15,995 | 36,792 | 73,284 |
| Tri-County Electric Co-op | 2,093 | 5,303 | 17,325 | 42,950 | 85,750 |
| West Florida Electric Co-op | 1,859 | 5,102 | 16,890 | 43,708 | 87,316 |
| Withlacoochee River Electric Co-op | 1,524 | 4,053 | 13,429 | 33,751 | 67,467 |

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

Economic and Financial Indicators

Table 36
Population
2006-2015
(Thousands)

| Year | Florida Population | National Population |
|-------------------------------|--------------------|---------------------|
| 2006 | 18,089 | 298,593 |
| 2007 | 18,278 | 301,580 |
| 2008 | 18,424 | 304,375 |
| 2009 | 18,538 | 307,007 |
| 2010 | 18,839 | 309,330 |
| 2011 | 19,058 | 311,592 |
| 2012 | 19,074 | 314,917 |
| 2013 | 19,553 | 316,129 |
| 2014 | 19,893 | 318,857 |
| 2015 | 20,271 | 321,419 |
| Annual Growth Rate, 2006-2015 | 1.27% | 0.82% |
| Annual Growth Rate, 2011-2015 | 1.55% | 0.78% |

Source: U.S. Census Bureau, State & County Quick Facts. (July 2016). 2015 Population estimate. Retrieved from <http://quickfacts.census.gov/qfd/states/12000.html>

Table 37
Projected Population
2020-2040
(Thousands)

| Year | Florida Population | National Population |
|-------------------------------|--------------------|---------------------|
| 2020 | 21,372 | 334,503 |
| 2030 | 24,071 | 359,402 |
| 2040 | 26,252 | 380,219 |
| Annual Growth Rate, 2020-2040 | 1.09% | 0.68% |

Sources: The Office of Economic & Demographic Research. (April 2015). State and County Projections: Medium Projections of Florida Population by County. (EDR - 2020-2040). Retrieved from <http://edr.state.fl.us/Content/population-demographics/data/index.cfm>

U.S. Census Bureau, Population Projections. (July 2016). 2014 National Population Projections: Summary Tables. Projections of the Population and Components of Change for the United States. (CSV - 2015 to 2060). Retrieved from <https://www.census.gov/population/projections/data/national/2014/summarytables.html>

Table 38
Consumer Price Index
All Urban Consumers
Annual Rate of Change
2006-2015

| Year | All Urban Consumers |
|------|---------------------|
| 2006 | 3.2% |
| 2007 | 2.8 |
| 2008 | 3.8 |
| 2009 | -0.4 |
| 2010 | 1.6 |
| 2011 | 3.2 |
| 2012 | 2.1 |
| 2013 | 1.5 |
| 2014 | 1.6 |
| 2015 | 1.0 |

Source: U.S. Government Publishing Office, Economic Indicators (January 2016), Prices: Changes in Consumer Prices -- All Urban Consumers. Retrieved from <http://www.gpo.gov/fdsys/browse/collection.action?collectionCode=ECONI>

Table 39
Consumer Price Index
For All Items and Fuel and Other Utilities
2006-2015

| Year | All Items | Energy Total * |
|------|-----------|----------------|
| 2006 | 201.6 | 194.7 |
| 2007 | 207.3 | 200.6 |
| 2008 | 215.3 | 220.0 |
| 2009 | 214.5 | 211.0 |
| 2010 | 218.1 | 214.2 |
| 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 |

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

Source: U.S. Government Publishing Office, Economic Indicators (January 2016), Prices: Consumer Prices -- All Urban Consumers. Retrieved from <http://www.gpo.gov/fdsys/browse/collection.action?collectionCode=ECONI>

Table 40
Producer Price Index
Total Finished Goods and Capital Equipment
2006-2015

| Year | Finished Goods | Capital Equipment |
|------|----------------|-------------------|
| 2006 | 160.4 | 146.9 |
| 2007 | 166.6 | 149.5 |
| 2008 | 177.1 | 153.8 |
| 2009 | 172.5 | 156.7 |
| 2010 | 179.8 | 157.3 |
| 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 |

Source: U.S. Department of Labor, Bureau of Labor and Statistics, (January 2016),
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.

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.

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."

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 City's distribution system and receive a billing credit for the solar energy they do not use.

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 (peak load). It is the margin of capability available to provide for scheduled maintenance, emergency outages, system 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 or 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 Companies

Cooperatively Owned Electric Systems

Municipally Owned Electric Systems

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 | Class of System |
|--|------------------------|
| Systems which generate all or part of system requirements and whose net energy for system for the year reported was: | |
| 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.

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. Fuel for other purposes, such as building heating or steam, sales is excluded.

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.

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.

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.

Gigawatt-Hour (GWII) – 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.

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 be owned by an individual proprietor or a small group of people, are usually corporations owned by the general public.

Industrial – See **Commercial and Industrial**.

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 **Commercial and Industrial**.

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 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.

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 set 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 this 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 – 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 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.

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

