

**Florida Public Service Commission**



STATISTICS OF THE  
**Florida Electric Utility Industry**

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# **STATISTICS OF THE FLORIDA ELECTRIC UTILITY INDUSTRY**

**2004**

This publication is in partial fulfillment of Section 377.703, Florida Statutes, which requires the Governor's Office, in coordination with the Public Service Commission, to publish periodicals on data collected regarding energy resources. This publication provides a single comprehensive source of statistics on Florida's electrical utility industry.

Information was compiled primarily from three sources: the Federal Energy Information Administration, the Florida Reliability Coordinating Council, and Florida electric utilities. The PSC has not audited the data and can not verify its accuracy. Information compiled from electric utilities may be incomplete or inaccurate, therefore totals may substantially deviate from totals reported by other institutions.

This report compiled by the Florida Public Service Commission's Office of Standards Control and Reporting. Please contact 850-413-6140 with any questions.



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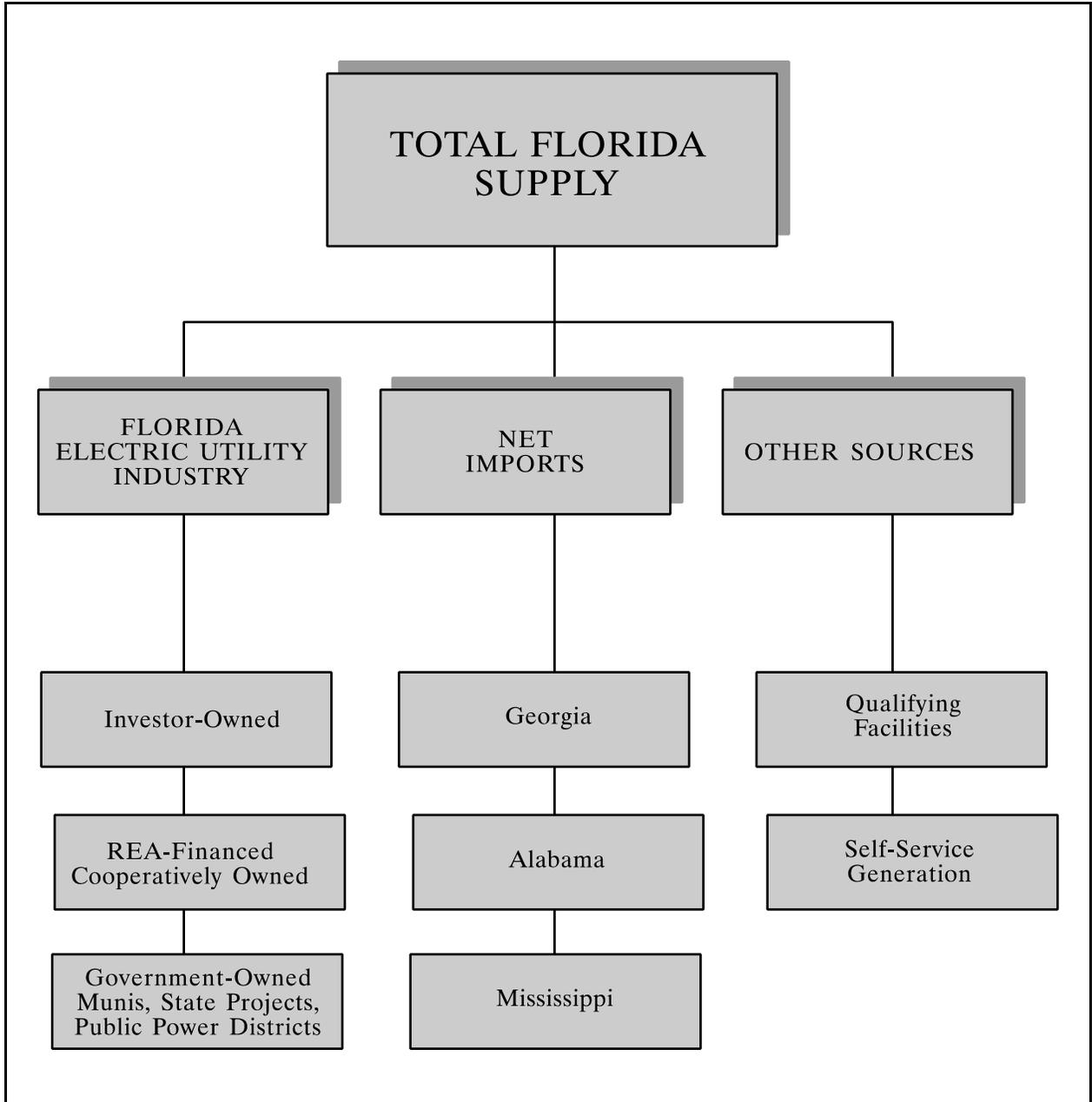


## **INTRODUCTION**



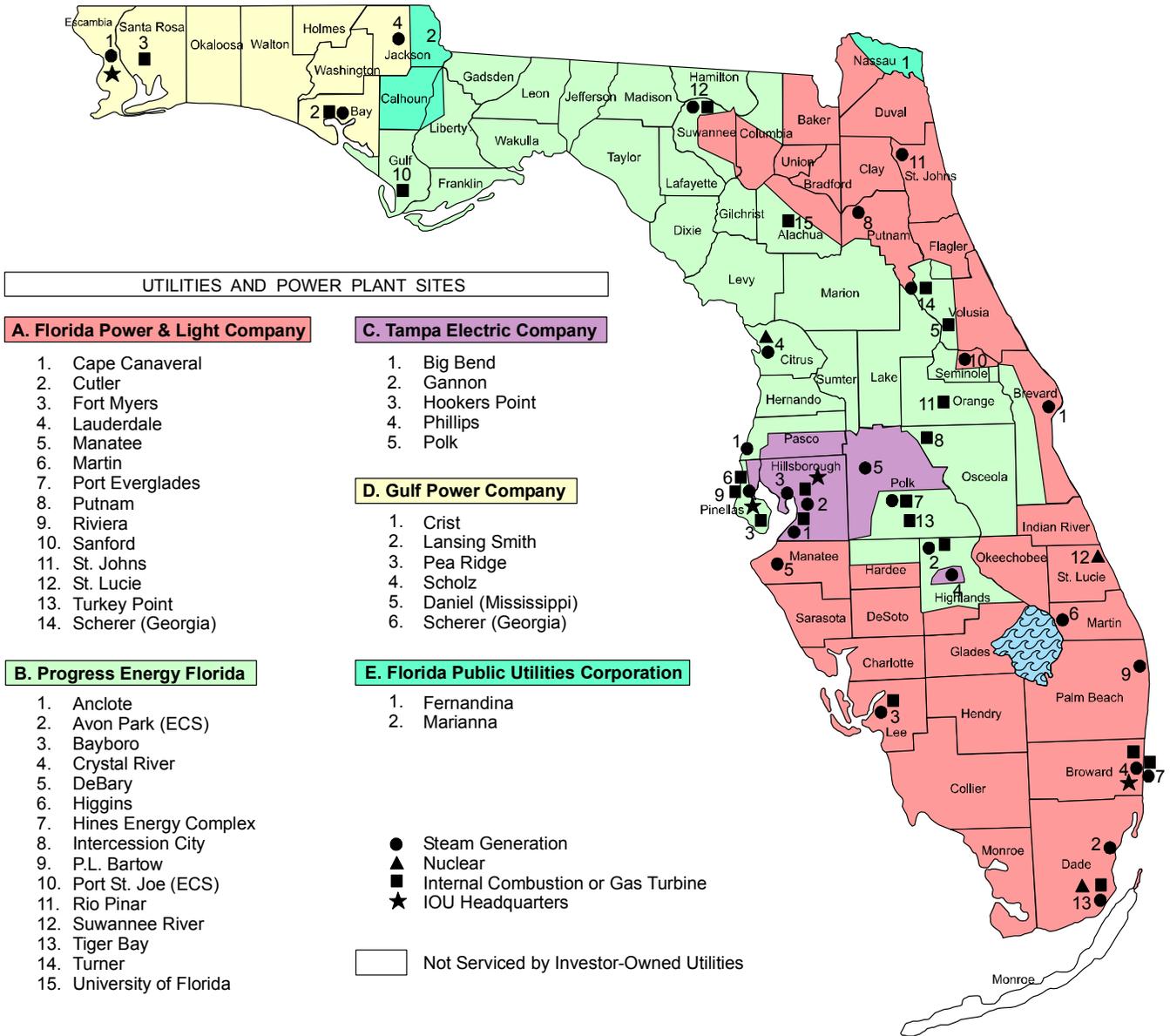
Figure 1

**FLORIDA SOURCES OF ELECTRICITY  
BY TYPE OF OWNERSHIP**



# Figure 2

## Approximate Company Service Areas Investor-Owned Electric Utilities

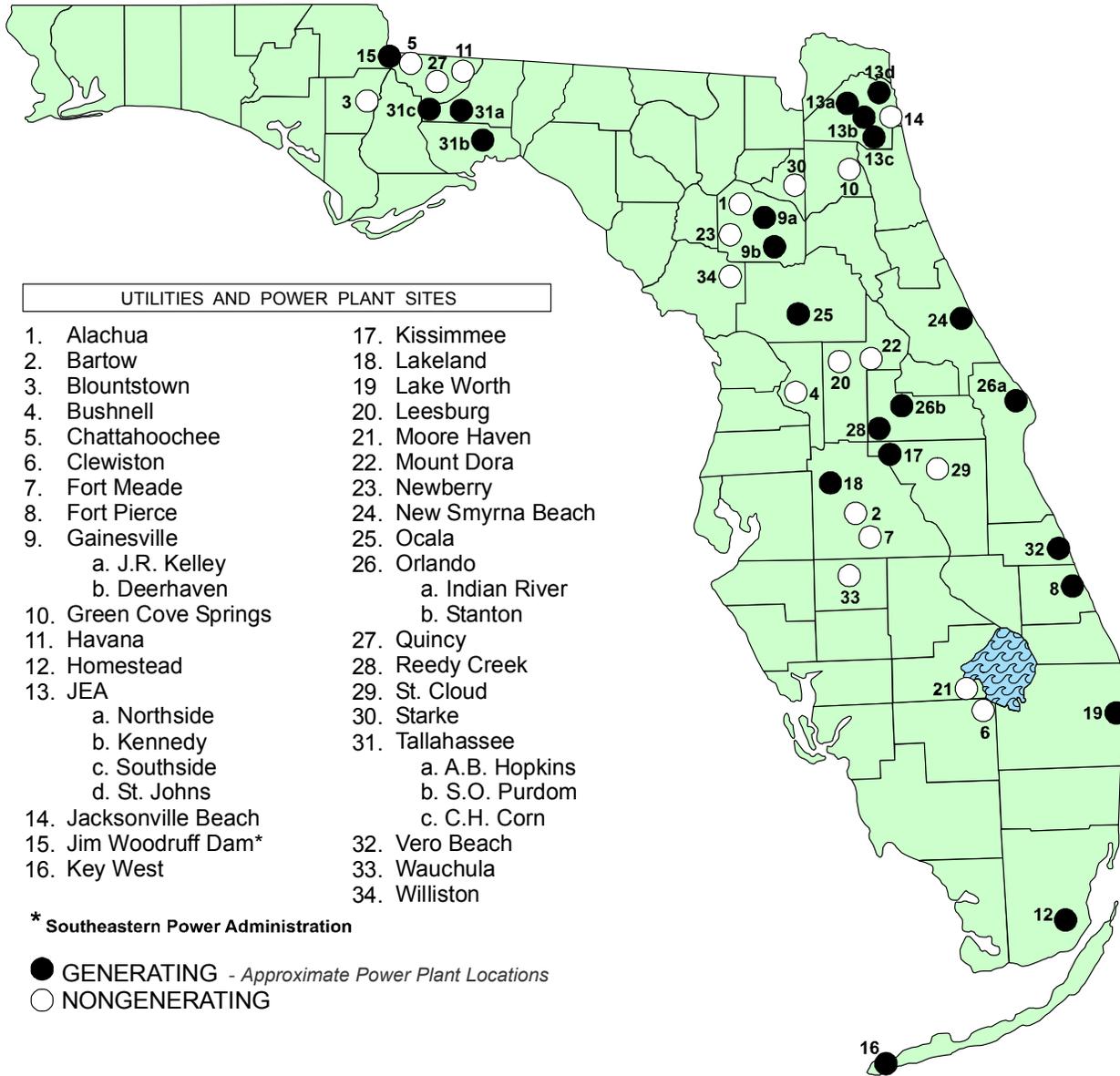


Service areas are approximations.  
Information on this map should be used only as a general guideline.  
For more detailed information, contact individual utilities.

Source: Florida Public Service Commission

Figure 3

# Municipal Electric Utilities

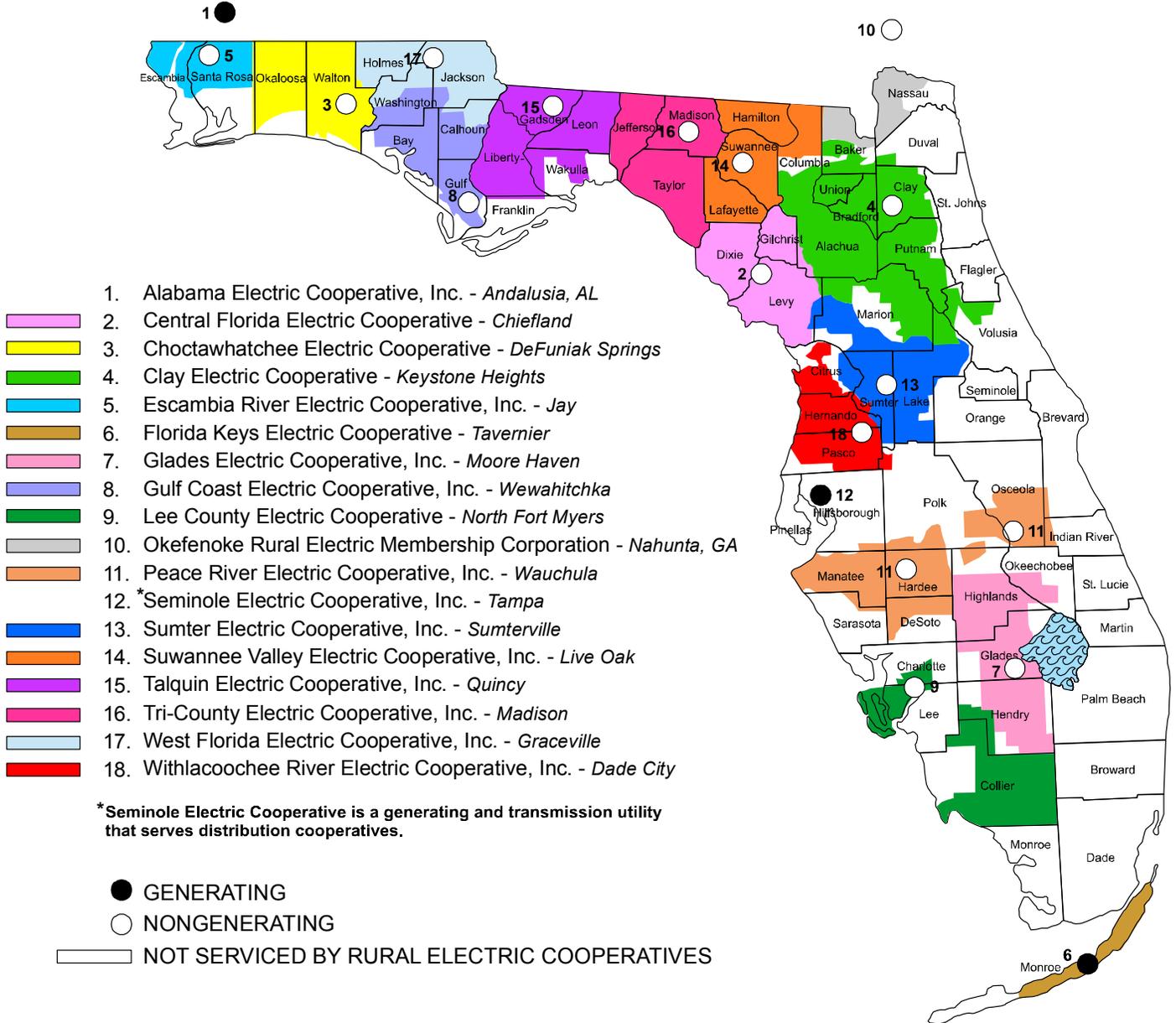


Information on this map should be used only as a general guideline.  
For more detailed information, contact individual utilities.

Source: Florida Public Service Commission

# Figure 4

## Approximate Company Service Areas Rural Electric Cooperatives



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

2004

### INVESTOR-OWNED SYSTEMS

Florida Power & Light Company (FPL)  
Florida Public Utilities Company (FPU)  
Gulf Power Company (GPC)  
Progress Energy Florida, Inc. (PEF)  
Tampa Electric Company (TEC)

### GENERATING MUNICIPAL SYSTEMS

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

### GENERATING RURAL ELECTRIC COOPERATIVES

Florida Keys Electric Cooperative, Inc. (FKE)  
Seminole Electric Cooperative, Inc. (SEC)  
Alabama Electric Cooperative, Inc. (AEC)

### GENERATING - OTHER

Southeastern Power Administration (SPA)  
    (Jim Woodruff Dam)

### NONGENERATING MUNICIPAL SYSTEMS

Alachua, City of (ALA)  
Bartow, City of (BAR)  
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)  
Jacksonville Beach, City of (JBH)  
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)

### NONGENERATING RURAL ELECTRIC COOPERATIVES

Central Florida Electric Cooperative, Inc. (CFC)  
Choctawhatchee Electric Cooperative, Inc. (CHW)  
Clay 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 Corp. (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, Inc. (WFC)  
Withlacoochee River Electric Coop., Inc. (WRC)

\*St. Cloud served by Orlando Utilities Commission

**COUNTIES SERVED BY GENERATING ELECTRIC UTILITIES  
2004**

<b>UTILITY</b>	<b>COUNTY</b>
<b>INVESTOR-OWNED SYSTEMS</b>	
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
Florida Public Utilities Company	Calhoun, Jackson, Liberty, Nassau
Gulf Power Company	Bay, Escambia, Holmes, Jackson, Okaloosa, Santa Rosa, Walton, Washington
Progress Energy Florida, Inc.	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
Tampa Electric Company	Hillsborough, Pasco, Pinellas, Polk
<b>MUNICIPAL SYSTEMS</b>	
Fort Pierce	St. Lucie
Gainesville	Alachua
Homestead	Dade
Jacksonville	Clay, Duval, St. Johns
Key West	Monroe
Kissimmee	Osceola
Lakeland	Polk
Lake Worth	Palm Beach
New Smyrna Beach	Volusia
Orlando	Orange
Reedy Creek	Orange
Starke	Bradford
Tallahassee	Leon
Vero Beach	Indian River
<b>RURAL ELECTRIC COOPERATIVES</b>	
Florida Keys Electric Cooperative	Monroe

**COUNTIES SERVED BY NONGENERATING ELECTRIC UTILITIES  
2004**

<b>UTILITY</b>	<b>COUNTY</b>
<b>MUNICIPAL SYSTEMS</b>	
Alachua	Alachua
Bartow	Polk
Blountstown	Calhoun
Bushnell	Sumter
Chattahoochee	Gadsden
Clewiston	Hendry
Fort Meade	Polk
Gainesville	Alachua
Green Cove Springs	Clay
Havana	Gadsden
Jacksonville Beach	Duval, St. Johns
Leesburg	Lake
Moore Haven	Glades
Mount Dora	Lake
Newberry	Alachua
Ocala	Marion
Quincy	Gadsden
Wauchula	Hardee
Williston	Levy
<b>RURAL ELECTRIC COOPERATIVES</b>	
Central Florida	Alachua, Dixie, Gilchrist, Levy, Marion
Choctawhatchee	Holmes, Okaloosa, Santa Rosa, Walton
Clay	Alachua, Baker, Bradford, Clay, Columbia, Duval, Flagler, Lake, Levy, Marion, Putnam, Suwanee, Union, Volusia
Escambia River	Escambia, Santa Rosa
Glades	Glades, Hendry, Highlands, Okeechobee
Gulf Coast	Bay, Calhoun, Gulf, Jackson, Walton, Washington
Lee County	Charlotte, Collier, Hendry, Lee
Okefenoke	Baker, Nassau
Peace River	Brevard, DeSoto, Hardee, Highlands, Hillsborough, Indian River, Manatee, Osceola, Polk, Sarasota
Sumter	Citrus, Hernando, Lake, Levy, Marion, Pasco, Sumter
Suwannee Valley	Columbia, Hamilton, Lafayette, Suwannee
Talquin	Franklin, Gadsden, Leon, Liberty, Wakulla
Tri-County	Dixie, Jefferson, Madison, Taylor
West Florida	Calhoun, Holmes, Jackson, Washington
Withlacoochee	Citrus, Hernando, Pasco, Polk, Sumter

**TABLE 1**  
**SUMMARY STATISTICS**  
**2000-2004**

	2000	PERCENT CHANGE 2000-2001	2001	PERCENT CHANGE 2001-2002	2002	PERCENT CHANGE 2002-2003	2003	PERCENT CHANGE 2003-2004	2004
<b>I. NAMEPLATE CAPACITY/CAPABILITY (MW)*</b>									
A. By Prime Mover									
Conventional Steam	25,664	(8.3)	23,537	(0.8)	23,360	(4.4)	22,336	(0.9)	22,128
Internal Combustion and Gas Turbine	6,501	7.5	6,988	2.2	7,140	0.2	7,152	5.1	7,514
Combined Cycle	4,326	39.3	6,028	47.5	8,889	31.0	11,642	5.4	12,273
Hydroelectric	19	205.3	58	0.0	58	1.7	59	(1.7)	58
Steam - Nuclear	3,174	22.8	3,898	0.0	3,898	0.1	3,902	0.0	3,902
Other	114	(94.7)	6	0.0	6	0.0	6	(100.0)	0
B. By Type of Ownership									
Investor-Owned	30,535	(1.4)	30,109	5.5	31,765	4.8	33,293	2.6	34,171
Municipal and Cooperatives	9,263	12.3	10,406	11.3	11,586	1.9	11,804	(0.9)	11,704
Total Nameplate Capacity/Capability	39,798	1.8	40,515	7.0	43,351	4.0	45,097	1.7	45,875
<b>II. INTERCHANGE AND GENERATION (GWH)</b>									
A. By Prime Mover									
Conventional Steam	119,304	(0.9)	118,191	(8.8)	107,753	3.2	111,213	(7.2)	103,200
Internal Combustion and Combustion Turbine	3,942	42.5	5,616	10.6	6,211	(32.5)	4,191	(17.8)	3,444
Combined Cycle	22,444	2.9	23,088	74.8	40,356	24.0	50,052	20.8	60,478
Hydroelectric	7	214.3	22	(13.6)	19	100.0	38	(21.1)	30
Steam - Nuclear	32,555	(3.0)	31,568	6.2	33,524	(7.3)	31,069	0.5	31,220
B. By Fuel Type (GWH)									
Coal	76,050	(4.0)	73,005	(2.6)	71,092	7.3	76,294	(9.9)	68,708
Oil	32,763	6.4	34,838	(21.1)	27,494	5.6	29,030	(1.8)	28,513
Natural Gas	36,878	5.8	39,032	42.8	55,734	7.9	60,132	16.2	69,901
Nuclear	32,555	(3.0)	31,568	6.2	33,524	(7.3)	31,069	0.5	31,220
Hydroelectric	7	214.3	22	(13.6)	19	100.0	38	(21.1)	30
Total Generation	178,253	0.1	178,485	5.3	187,863	4.6	196,563	0.9	198,372
Net Interchange, Non-Utility Generators, and Other	30,833	5.4	32,493	7.0	34,779	(2.2)	34,027	4.0	35,400
Total Net Interchange and Generation	209,086	0.9	210,978	5.5	222,642	3.6	230,590	1.4	233,772
<b>III. SALES TO ULTIMATE CONSUMERS (GWH)</b>									
A. By Class of Customer									
Residential	98,655	1.2	99,811	6.6	106,445	4.1	110,821	(5.1)	105,168
Commercial	68,831	2.5	70,552	4.6	73,812	2.5	75,647	(3.0)	73,382
Industrial	21,368	1.2	21,620	1.9	22,040	1.9	22,453	(9.3)	20,372
Other	5,384	(4.7)	5,130	3.2	5,293	5.3	5,572	1.7	5,666
B. By Type of Ownership									
Investor-Owned	150,299	2.1	153,431	5.5	161,898	3.6	167,806	0.1	168,015
Municipal and Cooperatives	43,939	(0.6)	43,682	4.6	45,692	2.2	46,687	(21.7)	36,573
Total Sales to Ultimate Customer	194,238	1.5	197,113	5.3	207,590	3.3	214,493	(4.6)	204,588
UTILITY USE & LOSSES & NET Wh. RESALE (GWH)	14,848	(6.6)	13,865	8.6	15,052	6.9	16,097	81.3	29,184

\*For 2000 onward supply will be reported as Summer Net Capacity rather than Nameplate Capacity to be more conservative. Nameplate Capacity will continue to be reported elsewhere in this report.

**TABLE I (continued)  
SUMMARY STATISTICS  
2000-2004**

	2000	PERCENT CHANGE 2000-2001	2001	PERCENT CHANGE 2001-2002	2002	PERCENT CHANGE 2002-2003	2003	PERCENT CHANGE 2003-2004	2004
V. FLORIDA POPULATION (THOUSANDS)	15,233	7.6	16,397	1.9	16,713	1.8	17,019	2.2	17,397
VI. CONSUMPTION PER CAPITA (KWH)									
A. Total Sales per Capita	12,751	(5.7)	12,021	3.3	12,421	1.5	12,603	(6.7)	11,760
B. Residential Sales per Capita	6,476	(6.0)	6,087	4.6	6,369	2.2	6,512	(7.2)	6,045
VII. NET GENERATION PER CAPITA (KWH)	13,726	(6.3)	12,867	3.5	13,321	1.7	13,549	(0.8)	13,437
VIII. AVERAGE ANNUAL RESIDENTIAL CONSUMPTION PER CUSTOMER (KWH)	13,613	1.5	13,818	4.9	14,497	1.7	14,748	(2.9)	14,321
IX. NUMBER OF CUSTOMERS									
By Class of Service									
Residential	7,215,381	1.7	7,335,006	1.6	7,455,225	2.0	7,605,034	3.4	7,862,627
Commercial	867,191	3.0	892,938	1.0	902,183	2.2	921,775	3.5	954,014
Industrial	56,852	(36.8)	35,940	31.9	47,412	(7.5)	43,838	2.4	44,911
Other	73,532	27.2	93,566	1.1	94,581	(1.7)	92,936	(17.8)	76,363
Total	8,212,956	1.8	8,357,450	1.7	8,499,401	1.9	8,663,582	3.2	8,937,914
X. CUSTOMER REVENUES									
A. By Class of Service (in Thousands)									
Residential	\$7,598,822	14.3	\$8,682,796	1.0	\$8,768,596	9.1	\$9,566,860	5.7	\$10,113,189
Commercial	3,973,611	17.6	4,671,712	(1.9)	4,580,867	9.5	5,017,993	8.6	5,448,498
Industrial	1,373,215	8.9	1,495,201	1.0	1,509,709	4.7	1,580,890	9.6	1,733,166
Other	419,513	12.5	471,932	0.2	472,945	9.5	517,843	12.9	584,582
Total	\$13,365,161	14.6	\$15,321,641	0.1	\$15,332,116	8.8	\$16,683,586	7.2	\$17,879,435
B. By Class of Service (as a Percentage of Total)									
Residential	56.9 %		56.7 %		57.2 %		57.3 %		56.6 %
Commercial	29.7		30.5		29.9		30.1		30.5
Industrial	10.3		9.8		9.8		9.5		9.7
Other	3.1		3.1		3.1		3.1		3.3
Total	100 %		100 %		100 %		100 %		100 %

SOURCES: EIA-826, 759  
Form PSC/ECR - 1, 2, 4  
U.S. Census Bureau, Washington D.C. 20233  
Regional Load and Resource Plan, FRCC



**SUMMARY OF FINANCIAL STATISTICS FOR  
INVESTOR-OWNED UTILITIES (IOUs)**



TABLE 2  
ALLOWED AND ACTUAL RATES OF RETURN  
2000-2004

	2000	CHANGE (%) 2000-2001	2001	CHANGE (%) 2001-2002	2002	CHANGE (%) 2002-2003	2003	CHANGE (%) 2003-2004	2004
<b>AVERAGE PER BOOK RATE OF RETURN</b>									
Florida Power & Light	10.38 %	1.06	10.49 %	4.00	10.91 %	(7.42)	10.10 %	(5.64)	9.53 %
Gulf Power Company	8.19	(5.98)	7.70	2.21	7.87	(1.02)	7.79	(5.65)	7.35
Progress Energy Florida, Inc.	7.76	37.50	10.67	(7.50)	9.87	(15.70)	8.32	8.65	9.04
Tampa Electric Company	9.14	(3.17)	8.85	(5.54)	8.36	(5.02)	7.94	4.66	8.31
<b>AVERAGE ADJUSTED RATE OF RETURN</b>									
Florida Power & Light	8.78 %	0.00	8.78 %	3.99	9.13 %	(4.05)	8.76 %	(6.62)	8.18 %
Gulf Power Company	8.13	(3.94)	7.81	1.54	7.93	(0.88)	7.86	(5.98)	7.39
Progress Energy Florida, Inc.	9.29	2.91	9.56	3.45	9.89	(11.22)	8.78	3.30	9.07
Tampa Electric Company	8.62	1.28	8.73	1.72	8.88	(8.56)	8.12	2.09	8.29
<b>REQUIRED RATES OF RETURN*</b>									
Florida Power & Light	8.13 %	(0.74)	8.07 %	(2.48)	7.87 %	(5.59)	7.43 %	0.67	7.48 %
Gulf Power Company	7.62	(0.66)	7.57	(0.13)	7.56	0.00	7.56	(1.72)	7.43
Progress Energy Florida, Inc.	8.90	1.91	9.07	(1.87)	8.90	(8.99)	8.10	2.96	8.34
Tampa Electric Company	8.35	(0.84)	8.28	1.21	8.38	(0.36)	8.35	(0.96)	8.27
<b>ADJUSTED JURISDICTIONAL YEAR-END RATE BASE (MILLIONS)</b>									
Florida Power & Light	\$9,181	10.48	\$10,143	0.02	\$10,145	3.62	\$10,512	3.80	\$10,912
Gulf Power Company	907	5.78	959	27.13	1,220	(0.33)	1,216	2.09	1,241
Progress Energy Florida, Inc.	3,568	(0.25)	3,560	5.21	3,745	5.23	3,941	1.85	4,014
Tampa Electric Company	2,134	1.37	2,163	0.68	2,178	18.01	2,570	11.73	2,872

\* Average Capital Structure - Midpoint

SOURCE: December Earnings Surveillance Reports, Schedule I

**TABLE 3**  
**SOURCES OF REVENUE**  
**INVESTOR-OWNED ELECTRIC UTILITIES**  
**(PERCENTAGE OF TOTAL SALES)**  
**2000-2004**

	2000	CHANGE (%)	2001	CHANGE (%)	2002	CHANGE (%)	2003	CHANGE (%)	2004
		2000-2001		2001-2002		2002-2003		2003-2004	
<b>FLORIDA POWER &amp; LIGHT</b>									
Residential	56.11 %	0.01	56.11 %	1.53	56.98 %	(0.22)	56.85 %	(2.00)	55.71 %
Commercial	36.82	2.84	37.86	(0.95)	37.51	(0.47)	37.33	2.48	38.26
Industrial	2.89	11.58	3.23	(7.13)	3.00	(3.19)	2.90	1.32	2.94
Other	1.10	(17.34)	0.91	2.87	0.93	(7.60)	0.86	(4.99)	0.82
Resale	3.09	(38.85)	1.89	(15.82)	1.59	29.46	2.06	10.45	2.27
TOTAL SALES (Millions)	\$6,244.43	19.02	\$7,431.97	(4.22)	\$7,118.35	14.16	\$8,125.97	5.04	\$8,535.51
<b>GULF POWER COMPANY*</b>									
Residential	43.92 %	2.33	44.94 %	3.82	46.66 %	(4.02)	44.78 %	(3.93)	43.02 %
Commercial	25.83	4.11	26.89	(1.50)	26.49	(2.79)	25.75	(2.73)	25.05
Industrial	10.89	5.23	11.46	(0.94)	11.35	(0.44)	11.30	(4.82)	10.76
Other	0.32	12.03	0.36	0.23	0.36	435.79	1.92	(5.85)	1.81
Resale	19.05	(14.13)	16.35	(7.39)	15.15	7.25	16.24	19.23	19.37
TOTAL SALES (Millions)	\$702.98	(4.74)	\$669.64	15.92	\$776.22	11.09	\$862.34	10.05	\$949.01
<b>PROGRESS ENERGY FLORIDA, INC.</b>									
Residential	53.01 %	0.36	53.20 %	3.47	55.05 %	8.69	59.83 %	(3.17)	57.94 %
Commercial	24.17	2.43	24.76	(0.34)	24.68	7.29	26.48	4.39	27.64
Industrial	7.10	(4.41)	6.78	(3.80)	6.53	11.13	7.25	5.31	7.64
Other	5.56	3.39	5.74	1.50	5.83	10.40	6.44	5.36	6.78
Resale	10.16	(6.44)	9.51	(16.74)	7.92	3.43	8.19	6.34	8.71
TOTAL SALES (Millions)	\$2,730.28	11.26	\$3,037.64	(4.19)	\$2,910.25	(4.17)	\$2,788.92	10.51	\$3,082.11
<b>TAMPA ELECTRIC COMPANY</b>									
Residential	47.18 %	1.81	48.04 %	0.81	48.43 %	2.35	49.57 %	(1.05)	49.05 %
Commercial	28.90	3.08	29.79	(0.92)	29.52	0.66	29.72	1.72	30.23
Industrial	8.21	5.59	8.67	17.14	10.15	(2.10)	9.94	(0.15)	9.92
Other	7.31	2.59	7.50	0.54	7.54	6.98	8.07	3.20	8.32
Resale	8.40	(28.48)	6.00	(27.36)	4.36	(37.79)	2.71	(8.61)	2.48
TOTAL SALES (Millions)	\$1,299.80	5.67	\$1,373.43	13.35	\$1,556.84	(0.55)	\$1,548.22	8.02	\$1,672.32

SOURCE: Form PSC/ECR - 4  
FERC Form 1

**TABLE 4  
USES OF REVENUE  
INVESTOR-OWNED ELECTRIC UTILITIES  
(PERCENTAGE OF TOTAL OPERATING REVENUE)  
2000-2004**

	2000	CHANGE (%) 2000-2001	2001	CHANGE (%) 2001-2002	2002	CHANGE (%) 2002-2003	2003	CHANGE (%) 2003-2004	2004
<b>FLORIDA POWER &amp; LIGHT</b>									
Fuel	24.11 %	24.86	30.10 %	(4.62)	28.71 %	29.85	37.28 %	(6.78)	34.76 %
Other Operation and Maintenance	33.03	(4.73)	31.46	3.90	32.69	(18.88)	26.52	14.43	30.35
Depreciation and Amortization	15.32	(21.38)	12.02	(6.22)	11.27	(16.15)	9.45	(3.62)	9.11
Taxes Other Than Income Taxes	9.46	(1.24)	9.35	0.14	9.36	(0.02)	9.36	0.11	9.37
Income Taxes	5.49	(4.38)	5.25	9.48	5.75	8.99	6.27	(3.12)	6.07
Interest	2.77	(9.50)	2.50	(9.92)	2.26	(8.27)	2.07	(0.15)	2.07
Utility Net Operating Income Less Interest	9.82	(5.13)	9.31	6.98	9.96	(9.13)	9.05	(8.48)	8.29
TOTAL OPERATING REVENUE (Millions)	\$6,360.80	17.54	\$7,476.65	(1.32)	\$7,378.33	11.83	\$8,251.04	5.23	\$8,682.44
<b>GULF POWER COMPANY</b>									
Fuel	30.20 %	(8.40)	27.67 %	(98.11)	0.52 %	6.810.81	36.06 %	6.05	38.24 %
Other Operation and Maintenance	35.83	9.24	39.14	65.87	64.92	(54.12)	29.78	3.37	30.79
Depreciation and Amortization	9.65	0.25	9.68	(0.67)	9.61	(0.34)	9.58	(7.85)	8.83
Taxes Other Than Income Taxes	7.83	(2.63)	7.62	(2.38)	7.44	1.26	7.53	(3.41)	7.28
Income Taxes	4.14	(0.52)	4.12	10.30	4.54	3.19	4.69	(13.46)	4.06
Interest	4.83	(9.40)	4.37	12.16	4.90	(10.86)	4.37	(14.15)	3.75
Utility Net Operating Income Less Interest	7.53	(1.56)	7.41	8.80	8.06	(0.90)	7.99	(11.62)	7.06
TOTAL OPERATING REVENUE (Millions)	\$714.32	1.52	\$725.20	13.14	\$820.47	6.98	\$877.74	9.39	\$960.13
<b>PROGRESS ENERGY FLORIDA, INC.</b>									
Fuel	27.62 %	(3.33)	26.70 %	6.19	28.35 %	19.08	33.76 %	(3.89)	32.45 %
Other Operation and Maintenance	37.81	(13.38)	32.75	7.87	35.33	6.49	37.62	(10.18)	33.79
Depreciation and Amortization	10.37	28.19	13.29	(28.45)	9.51	(55.19)	4.26	101.93	8.60
Taxes Other Than Income Taxes	7.38	0.85	7.44	(0.72)	7.39	3.94	7.68	(6.15)	7.21
Income Taxes	5.10	15.95	5.91	1.03	5.97	(8.35)	5.47	6.54	5.83
Interest	4.35	(15.27)	3.68	(5.51)	3.48	(16.71)	2.90	11.52	3.23
Utility Net Operating Income Less Interest	7.38	38.53	10.23	(2.48)	9.97	(16.69)	8.31	6.96	8.89
TOTAL OPERATING REVENUE (Millions)	\$2,891.18	7.01	\$3,093.76	(0.36)	\$3,082.73	1.88	\$3,140.83	12.28	\$3,526.63
<b>TAMPA ELECTRIC COMPANY</b>									
Fuel	27.64 %	(2.49)	26.96 %	(14.96)	22.92 %	29.66	29.72 %	19.87	35.63 %
Other Operation and Maintenance	35.19	0.21	35.27	1.86	35.93	(7.40)	33.27	(21.38)	26.15
Depreciation and Amortization	8.25	21.87	10.05	63.72	16.46	(28.84)	11.71	4.86	12.28
Taxes Other Than Income Taxes	7.28	1.56	7.40	(5.00)	7.03	0.46	7.06	0.12	7.07
Income Taxes	6.07	(3.11)	5.88	(9.03)	5.35	(8.02)	4.92	(1.54)	4.85
Interest	4.97	(13.71)	4.29	(24.87)	3.22	65.22	5.33	5.21	5.60
Utility Net Operating Income Less Interest	10.59	(4.08)	10.16	(10.47)	9.09	(12.08)	7.99	5.34	8.42
TOTAL OPERATING REVENUE (Millions)	\$1,355.81	4.49	\$1,416.73	12.82	\$1,598.30	(0.16)	\$1,595.76	7.11	\$1,709.19

SOURCE: FERC Form 1

**TABLE 5**  
**PROPRIETARY CAPITAL AND LONG-TERM DEBT**  
**INVESTOR-OWNED ELECTRIC UTILITIES**  
**2004**

	FLORIDA POWER & LIGHT COMPANY	GULF POWER COMPANY	PROGRESS ENERGY FLORIDA, INC.	TAMPA ELECTRIC COMPANY
<b>PROPRIETARY CAPITAL (THOUSANDS)</b>				
Common Stock	\$1,373,069	\$38,060	\$354,405	\$119,697
Preferred Stock	25,000	4,236	33,497	0
Retained Earnings	458,748	159,582	1,061,365	173,338
Other Paid-In Capital	4,322,000	397,396	726,881	1,102,240
Other Adjustments	(169,788)	(3,003)	178,332	(440)
<b>TOTAL PROPRIETARY CAPITAL</b>	<b>\$6,009,028</b>	<b>\$596,270</b>	<b>\$2,354,480</b>	<b>\$1,394,835</b>
<b>LONG-TERM DEBT (THOUSANDS)</b>				
Bonds	\$3,196,646	\$55,000	\$1,570,865	\$1,348,840
Other Long-Term Debt and/or Adjustments	(20,363)	668,155	388,689	(3,002)
<b>TOTAL LONG-TERM DEBT</b>	<b>\$3,176,282</b>	<b>\$723,155</b>	<b>\$1,959,554</b>	<b>\$1,345,838</b>
<b>TOTAL PROPRIETARY CAPITAL AND LONG-TERM DEBT</b>	<b>\$9,185,310</b>	<b>\$1,319,425</b>	<b>\$4,314,033</b>	<b>\$2,740,674</b>
<b>PROPRIETARY CAPITAL</b>				
Common Stock	14.9 %	2.9 %	8.2 %	4.4 %
Preferred Stock	0.3	0.3	0.8	0.0
Retained Earnings	5.0	12.1	24.6	6.3
Other Paid-In Capital	47.1	30.1	16.8	40.2
Other Adjustments	(1.8)	(0.2)	4.1	0.0
<b>TOTAL PROPRIETARY CAPITAL</b>	<b>65.4 %</b>	<b>45.2 %</b>	<b>54.6 %</b>	<b>50.9 %</b>
<b>LONG-TERM DEBT</b>				
Bonds	34.8 %	4.2 %	36.4 %	49.2 %
Other Long-Term Debt and/or Adjustments	(0.2)	50.6	9.0	(0.1)
<b>TOTAL LONG-TERM DEBT</b>	<b>34.6 %</b>	<b>54.8 %</b>	<b>45.4 %</b>	<b>49.1 %</b>
<b>TOTAL PROPRIETARY CAPITAL AND LONG-TERM DEBT</b>	<b>100.0 %</b>	<b>100.0 %</b>	<b>100.0 %</b>	<b>100.0 %</b>

SOURCE: FERC Form 1

**TABLE 6**  
**FINANCIAL INTEGRITY INDICATORS**  
**INVESTOR-OWNED ELECTRIC UTILITIES**  
**2000-2004**

	2000	CHANGE (%) 2000-2001	2001	CHANGE (%) 2001-2002	2002	CHANGE (%) 2002-2003	2003	CHANGE (%) 2003-2004	2004
<b>TIMES INTEREST EARNED WITH AFUDC</b>									
Florida Power & Light Company	6.47 %	4.33	6.75 %	16.74	7.88 %	(3.05)	7.64 %	(7.20)	7.09 %
Gulf Power Company	3.38	7.69	3.64	(3.30)	3.52	9.66	3.86	1.81	3.93
Progress Energy Florida, Inc.	3.82	38.74	5.30	2.83	5.45	2.39	5.58	23.48	6.89
Tampa Electric Company	4.33	9.70	4.75	9.89	5.22	(50.38)	2.59	30.89	3.39
<b>TIMES INTEREST EARNED WITHOUT AFUDC</b>									
Florida Power & Light Company	6.47 %	4.33	6.75 %	16.74	7.88 %	(4.31)	7.54 %	(9.28)	6.84 %
Gulf Power Company	3.36	1.49	3.41	0.29	3.42	12.28	3.84	0.52	3.86
Progress Energy Florida, Inc.	3.79	39.58	5.29	2.27	5.41	0.00	5.41	25.69	6.80
Tampa Electric Company	4.30	6.98	4.60	1.09	4.65	(50.75)	2.29	47.60	3.38
<b>AFUDC AS A PERCENTAGE OF NET INCOME</b>									
Florida Power & Light Company	0.00 %	-	0.00 %	-	0.00 %	-	2.20 %	165.00	5.83 %
Gulf Power Company	0.83	1,328.92	11.86	(51.77)	5.72	(77.10)	1.31	164.12	3.46
Progress Energy Florida, Inc.	1.80	(80.56)	0.35	357.14	1.60	283.13	6.13	(48.78)	3.14
Tampa Electric Company	1.41	279.43	5.35	235.89	17.97	37.73	24.75	(97.54)	0.61
<b>PERCENT INTERNALLY GENERATED FUNDS</b>									
Florida Power & Light Company	26.29 %	220.81	84.34 %	(53.63)	39.11 %	(0.54)	38.90 %	181.13	109.36 %
Gulf Power Company	101.71	(94.16)	5.94	403.70	29.92	258.99	107.41	(84.44)	16.71
Progress Energy Florida, Inc.	84.20	65.24	139.13	(51.27)	67.80	(33.92)	44.80	67.46	75.02
Tampa Electric Company	41.82	9.73	45.89	10.81	50.85	51.33	76.95	152.49	194.29

SOURCE: December Earnings Surveillance Reports, Schedule 5



**NET GENERATION**



**TABLE 7**  
**NET GENERATION BY TYPE OF OWNERSHIP\***  
**1990-2004**

YEAR	TOTAL FOR STATE (GWH)	INVESTOR-OWNED		OTHERS**	
		QUANTITY (GWH)	PERCENT OF TOTAL	QUANTITY (GWH)	PERCENT
1990	125,468	96,491	76.9	28,976	23.1
1991	134,443	101,821	75.7	32,622	24.3
1992	140,060	104,776	74.8	35,284	25.2
1993	149,388	112,251	75.1	37,137	24.9
1994	152,779	117,134	76.7	35,645	23.3
1995	159,156	121,496	76.3	37,660	23.7
1996	157,946	120,267	76.1	37,679	23.9
1997	161,961	122,264	75.5	39,697	24.5
1998	181,147	139,909	77.2	41,238	22.8
1999	178,773	NR	-	NR	-
2000	178,253	NR	-	NR	-
2001	178,485	NR	-	NR	-
2002	187,863	NR	-	NR	-
2003	196,563	NR	-	NR	-
2004	198,372	NR	-	NR	-

\*Does not include Net Interchange and Non-Utility Generators generation. See Table 8.

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

SOURCES: 1989-1998 EIA-759  
1989-1998 Form PSC/ECR - 2  
1989-1998 A-Schedules  
1999-2003, Regional Load and Resource Plan - State Supplement, FRCC  
Table 8

**TABLE 8**  
**NET ENERGY FOR LOAD BY FUEL TYPE AND OTHER SOURCES\***  
**1990-2004**

YEAR	COAL		OIL		NATURAL GAS		NUCLEAR		HYDRO		OTHER SOURCES	
	GWH	PERCENT	GWH	PERCENT	GWH	PERCENT	GWH	PERCENT	GWH	PERCENT	SUBTOTAL	OTHER** NUG***
1990	62,110	49.5	26,617	21.2	15,920	12.7	20,572	16.4	249	0.2	125,468	
1991	66,037	49.1	31,844	23.7	17,472	13.0	19,062	14.2	28	0.0	134,443	
1992	58,836	42.0	38,733	27.7	17,744	12.7	24,693	17.6	54	0.0	140,060	
1993	61,000	40.8	44,870	30.0	18,064	12.1	25,403	17.0	51	0.0	149,388	
1994	62,511	40.9	43,553	28.5	20,420	13.4	26,216	17.2	80	0.1	152,779	
1995	65,714	41.3	32,185	20.2	33,483	21.0	27,726	17.4	47	0.0	159,156	
1996	70,008	44.3	33,060	20.9	30,496	19.3	24,333	15.4	49	0.0	157,946	
1997	74,219	45.8	32,561	20.1	33,123	20.5	22,000	13.6	58	0.0	161,961	
1998	73,184	40.4	46,430	25.6	31,319	17.3	30,168	16.7	46	0.0	181,147	
1999	78,413	43.9	33,550	18.8	34,964	19.6	31,772	17.8	74	0.0	178,773	12,820
2000****	76,050	42.7	32,763	18.4	36,878	20.7	32,555	18.3	7	0.0	178,253	12,461
2001	73,005	40.9	34,858	19.5	39,032	21.9	31,568	17.7	22	0.0	178,485	13,613
2002	71,092	37.8	27,494	14.6	55,734	29.7	33,524	17.8	19	0.0	187,863	8,570
2003	76,294	38.8	29,030	14.8	60,132	30.6	31,069	15.8	38	0.0	196,563	8,075
2004	68,708	34.6	28,513	14.4	69,901	35.2	31,220	15.7	30	0.0	198,372	6,960
												28,440
												200,374
												18,372
												209,086
												18,880
												26,209
												222,642
												25,952
												230,590
												28,440
												233,772

\*Percentages are calculated for fuel sources only.

\*\*NUG - Non-Utility Generators

\*\*\*Other includes inter-region interchange.

\*\*\*\*2000 numbers revised slightly. 2000 numbers throughout the report are as originally released unless otherwise noted.

SOURCES:

1989-1998, EIA Form 759

1989-1998, FPSC Form AFAD (RRR)-2

1989-1998, A-Schedules

1999-2003, Regional Load and Resource Plan - State Supplement, FRCC

**TABLE 9  
INTERCHANGE AND GENERATION BY FUEL TYPE  
(GIGAWATT-HOURS)  
2004-2014**

YEAR	NET ENERGY FOR LOAD	INTER- CHANGE*	NUCLEAR	COAL	OIL	NATURAL		HYDRO	NUG**
						GAS			
2004 ***	233,772	28,440	31,220	68,708	28,513	69,901	30	6,960	
2005	241,514	26,074	29,443	72,477	29,446	77,269	23	6,782	
2006	248,972	28,051	30,889	71,847	26,493	85,450	21	6,221	
2007	256,781	29,450	29,454	72,664	24,509	94,387	23	6,294	
2008	264,967	30,221	31,398	72,377	22,407	100,598	23	7,943	
2009	272,977	27,887	29,331	73,820	22,935	112,584	23	6,397	
2010	280,257	23,207	30,849	71,824	22,617	124,415	23	7,322	
2011	287,131	21,112	30,795	74,271	23,439	130,624	23	6,867	
2012	294,201	21,833	31,052	81,447	21,863	130,994	23	6,989	
2013	301,334	21,748	30,377	91,720	20,924	130,802	23	5,740	
2014	308,790	19,180	31,323	94,906	21,730	137,043	23	4,585	

\*Interchange includes "other".

\*\*Non-utility generators.

\*\*\*Figures are actual.

SOURCE: Regional Load and Resource Plan - State Supplement, FRCC

**TABLE 10**  
**INTERCHANGE AND GENERATION BY FUEL TYPE**  
**(% OF GIGAWATT-HOURS)**  
**2004-2014**

YEAR	NET ENERGY FOR LOAD	INTER- CHANGE*	NATURAL					NUG**
			NUCLEAR	COAL	GAS	HYDRO		
2004 ***	100.0%	12.2%	13.4%	29.4%	12.2%	29.9%	0.0%	3.0%
2005	100.0%	10.8%	12.2%	30.0%	12.2%	32.0%	0.0%	2.8%
2006	100.0%	11.3%	12.4%	28.9%	10.6%	34.3%	0.0%	2.5%
2007	100.0%	11.5%	11.5%	28.3%	9.5%	36.8%	0.0%	2.5%
2008	100.0%	11.4%	11.8%	27.3%	8.5%	38.0%	0.0%	3.0%
2009	100.0%	10.2%	10.7%	27.0%	8.4%	41.2%	0.0%	2.3%
2010	100.0%	8.3%	11.0%	25.6%	8.1%	44.4%	0.0%	2.6%
2011	100.0%	7.4%	10.7%	25.9%	8.2%	45.5%	0.0%	2.4%
2012	100.0%	7.4%	10.6%	27.7%	7.4%	44.5%	0.0%	2.4%
2013	100.0%	7.2%	10.1%	30.4%	6.9%	43.4%	0.0%	1.9%
2014	100.0%	6.2%	10.1%	30.7%	7.0%	44.4%	0.0%	1.5%

\*Interchange includes "other".

\*\*Non-utility generators.

\*\*\*Figures are actual.

SOURCE: Regional Load and Resource Plan - State Supplement, FRCC

## **GENERATING CAPACITY AND CAPABILITY**



**TABLE 11**  
**INSTALLED NAMEPLATE CAPACITY/ SUMMER NET CAPABILITY BY PRIME MOVER\***  
**(MEGAWATTS)**  
**1990-2004**

YEAR	HYDRO-ELECTRIC	CONVENTIONAL STEAM	NUCLEAR STEAM	COMBUSTION TURBINE	INTERNAL COMBUSTION	COMBINED CYCLE	OTHER	TOTAL*
1990	43	27,947	3,922	4,763	261	596		37,532
1991	21	26,968	4,124	4,832	306	728		36,979
1992	21	26,784	4,124	4,917	300	842		36,988
1993	21	27,316	4,124	5,587	339	652		38,039
1994	21	27,263	4,124	6,018	216	1,442		39,084
1995	20	27,107	4,124	5,999	262	1,442		38,954
1996	21	25,950	4,110	6,076	267	3,910		40,334
1997	21	28,848	4,110	6,221	229	3,181		42,610
1998	21	28,885	4,110	6,234	259	2,854		42,363
1999	19	27,456	4,110	6,580	262	4,610		43,037
2000 *	19	25,664	3,174	6,260	241	4,326	114	39,798
2001 *	58	23,537	3,898	6,743	245	6,028	6	40,515
2002 *	58	23,360	3,898	6,849	291	8,889	6	43,351
2003 *	59	22,336	3,902	6,858	294	11,642	6	45,097
2004 *	58	22,128	3,902	7,217	297	12,273	0	45,875

\* Beginning 2000, summer net capability is used instead of nameplate capacity as a more conservative measure of capability.  
Winter net capability averages approximately 5% higher than summer net capability.

SOURCES: 1989-1999, EIA Form 759  
1989-1999, FPSC Form AFAD (RRR)-2  
2000-2003, Regional Load and Resource Plan, FRCC. See Table 14.

**TABLE 12**  
**INSTALLED NAMEPLATE CAPACITY/SUMMER NET CAPABILITY\***  
**BY TYPE OF OWNERSHIP**  
**(MEGAWATTS)**  
**1990-2004**

YEAR	TOTAL FOR STATE	INVESTOR-OWNED		MUNICIPALS, RURAL ELECTRIC COOPERATIVES, AND OTHER	
		QUANTITY	PERCENT OF TOTAL	QUANTITY	PERCENT OF TOTAL
1990	37,532	27,658	73.69	9,874	26.31
1991	36,980	28,066	75.90	8,914	24.10
1992	36,988	27,501	74.35	9,487	25.65
1993	38,039	28,420	74.71	9,618	25.29
1994	39,084	29,529	75.55	9,555	24.45
1995	38,954	29,231	75.04	9,723	24.96
1996	40,334	30,337	75.22	9,996	24.78
1997	42,610	33,034	77.53	9,576	22.47
1998	42,363	32,094	75.76	10,270	24.24
1999	43,037	32,969	76.61	10,068	23.39
2000*	39,798	30,535	76.72	9,263	23.28
2001*	40,515	30,109	74.32	10,406	25.68
2002*	43,351	31,765	73.27	11,586	26.73
2003*	45,097	33,293	73.82	11,804	26.18
2004*	45,875	34,171	74.49	11,704	25.51

\*In 2000 and onward, summer net capability is used instead of nameplate capacity as a more conservative measure of capability. Winter net capability averages approximately 5% higher than summer net capability.

SOURCES: 1989-1999, EIA Form 759  
1989-1999, FPSC Form AFAD (RRR)-2  
2000-2003, Regional Load and Resource Plan, FRCC

**TABLE 13  
INSTALLED NAMEPLATE CAPACITY AND SUMMER NET CAPABILITY BY UTILITY (MW)\*  
2000-2004**

UTILITY	2004		2003		2002		2001		2000	
	NAMEPLATE CAPACITY	SUMMER NET CAPABILITY	NAMEPLATE CAPACITY	SUMMER NET CAPABILITY	NAMEPLATE CAPACITY	SUMMER NET CAPABILITY	NAMEPLATE CAPACITY	SUMMER NET CAPABILITY	NAMEPLATE CAPACITY	SUMMER NET CAPABILITY
Florida Power & Light Company	20,473	18,157	18,625	17,033	18,263	16,725	16,996	15,764	16,817	15,632
Gulf Power Company*	2,219	1,964	2,247	1,958	2,247	1,958	1,723	1,507	1,723	1,507
Progress Energy Florida, Inc.	399	308	9,695	8,548	9,179	8,032	9,179	8,026	9,007	8,018
Tampa Electric Company	3,978	3,487	5,107	4,411	4,310	3,726	4,115	3,622	4,127	3,628
Florida Keys Electric Co-op	25	24	25	24	25	24	25	24	22	20
Fort Pierce	142	136	142	136	142	136	142	136	142	136
Gainesville Regional Utilities	693	601	693	601	691	599	710	613	614	553
Homestead	58	53	58	53	58	53	58	58	59	59
Jacksonville	3,677	3,314	3,677	3,314	3,677	3,314	3,462	3,129	3,453	3,107
Key West	101	88	101	88	101	88	101	88	98	86
Kissimmee	485	442	485	442	485	442	235	203	235	203
Lake Worth	146	134	146	134	146	134	146	134	146	134
Lakeland	1,237	1,100	1,262	1,120	1,262	1,120	1,092	972	843	751
New Smyrna Beach	66	62	66	62	66	62	42	37	19	19
Orlando	1,302	1,203	1,302	1,204	1,302	1,204	1,302	1,203	1,302	1,203
Reedy Creek	44	34	44	34	44	34	44	34	44	34
Seminole	2,016	1,804	2,016	1,804	2,016	1,804	2,016	1,821	1,429	1,316
St. Cloud**										
Starkie City of**										
Tallahassee	717	652	717	662	717	662	725	662	719	662
USCE-Mobile District	30	39	30	39	30	39	30	36	30	36
Vero Beach	158	150	158	150	158	150	158	150	158	150
Alabama Electric Co-op*	11	8	11	8	11	8	11	9	11	11
Total Utility	37,975	33,760	46,607	41,825	44,930	40,314	42,309	38,227	40,998	37,264
Total Nonutility	27,686	15,606	8,776	7,541	7,874	6,740	5,174	4,586	4,748	4,252
<b>Total State of Florida</b>	<b>65,661</b>	<b>49,366</b>	<b>55,383</b>	<b>49,366</b>	<b>52,804</b>	<b>47,054</b>	<b>47,483</b>	<b>42,814</b>	<b>45,746</b>	<b>41,516</b>

\*Excludes generation physically outside Florida regardless of whether it serves load in Florida.

\*\*Reported as part of Orlando.

SOURCE: Energy Information Administration, Department of Energy.  
(<http://www.eia.doe.gov/cneaf/electricity/page/capacity/capacity.html>).

**TABLE 14**  
**SUMMER NET CAPABILITY (MW) BY PRIME MOVER BY UTILITY\***  
**2004**

COMPANY NAME	HYDRO-ELECTRIC	CONVENTIONAL				INTERNAL COMBUSTION	COMBINED CYCLE**	OTHER	UTILITY TOTAL
		NUCLEAR STEAM	COMBUSTION TURBINE	INTERNAL COMBUSTION	COMBINED CYCLE**				
Florida Power & Light Company		7,805	1,908	12	6,276		18,940		
Gulf Power Company		2,190	44		566		2,800		
Progress Energy Florida, Inc.		3,882	2,476		1,205		8,341		
Tampa Electric Company		1,692	471	40	1,887		4,090		
Florida Keys Electric Co-op				27			27		
Florida Municipal Power Agency		244	126		195		639		
Fort Pierce		82		6	31		119		
Gainesville Regional Utilities		334	153	1	112		611		
Homestead				53			53		
Jacksonville		2,257	997	1			3,255		
Key West			20	32			52		
Kissimmee		21	26	16	241		310		
Lakeland		398	36	55	424		913		
Lake Worth		29	26	10	30		95		
New Smyrna Beach			44	18			66		
Ocala							11		
Orlando		754	207		174		1,199		
Reedy Creek				5	38		43		
Seminole					488		1,819		
St. Cloud				21			21		
Tallahassee	11	352	56		233		652		
US Corps of Engineers	39						39		
Vero Beach		102			48		150		
Alabama Co-op	8	670	627		325		1,630		
Total State of Florida Utility	58	22,128	7,217	297	12,273	0	45,875		
Total Nonutility Generators***							2,137		
<b>Total State of Florida</b>							<b>48,012</b>		

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

\*\*Includes steam part of combined cycle.

\*\*\*Does not include the capability of merchant plants

SOURCE: Regional Load and Resource Plan, FRCC

**TABLE 15  
NUCLEAR GENERATING UNITS  
2004**

UTILITY	LOCATION	COMMERCIAL IN-SERVICE MONTH/YEAR	MAXIMUM NAMEPLATE KW	NET CAPABILITY	
				SUMMER MW	WINTER MW
<b>FLORIDA POWER &amp; LIGHT</b>					
Turkey Point #3	Dade County	Nov 1972	760,000	693	717
Turkey Point #4	Dade County	Jun 1973	760,000	693	717
St. Lucie #1	St. Lucie County	May 1976	850,000	839	853
St. Lucie #2*	St. Lucie County	Jun 1983	850,000	839	853
<b>PROGRESS ENERGY FLORIDA, INC.</b>					
Crystal River #3**	Citrus County	Mar 1977	890,460	769	788

\*14.9% of plant capability is owned by the Orlando Utilities Commission and the Florida Municipal Power Agency  
 \*\*7.2% of plant capability is co-owned by various municipalities and REAs

SOURCE: Regional Load and Resource Plan, FRCC  
 Company Ten-Year Site Plans

**TABLE 16**  
**MONTHLY PEAK DEMAND**  
**(MEGAWATTS)**  
**2004**

UTILITIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEARLY
													PEAK
<b>INVESTOR-OWNED SYSTEMS</b>													
Florida Power & Light Company	13,857	14,752	14,618	16,529	18,936	20,250	20,545	19,836	20,531	18,635	17,358	15,871	20,545
Florida Public Utilities Company	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Gulf Power Company	2,070	1,869	1,563	1,580	2,157	2,312	2,389	2,431	2,231	1,978	1,826	2,052	2,431
Progress Energy Florida, Inc.	8,748	7,791	6,017	6,760	8,446	9,125	9,058	8,842	8,628	8,324	7,313	8,303	9,125
Tampa Electric Company	3,344	3,053	2,561	3,168	3,504	3,737	3,617	3,668	3,553	3,390	3,044	3,287	3,737
<b>GENERATING MUNICIPAL SYSTEMS</b>													
Fort Pierce	93	97	89	98	109	119	124	120	112	106	98	96	124
Gainesville	350	316	259	304	420	432	427	427	422	375	329	340	432
Homestead	55	55	56	60	64	70	70	70	70	67	62	59	70
Jacksonville	2,644	2,338	1,984	1,901	2,441	2,449	2,509	2,528	2,420	2,257	2,047	2,657	2,657
Key West	99	109	112	118	128	140	140	138	130	124	120	109	140
Kissimmee	210	202	178	211	266	280	285	277	263	256	220	221	285
Lake Worth	62	67	69	71	82	93	90	92	88	82	78	71	93
Lakeland	578	523	412	460	547	572	580	563	554	530	475	543	580
New Smyrna Beach	77	77	54	54	84	82	89	80	82	74	63	70	89
Orlando	832	976	760	863	1,037	1,096	1,100	1,060	1,203	958	885	930	1,203
Reedy Creek	147	154	154	162	177	185	189	185	175	174	167	160	189
Starke	15	13	11	12	16	16	17	17	16	14	13	14	17
Tallahassee	509	445	362	378	508	518	557	565	534	491	443	480	565
Vero Beach	130	136	113	126	141	156	163	154	145	169	133	132	169
<b>NONGENERATING MUNICIPAL SYSTEMS</b>													
Alachua	20	18	15	13	19	20	20	21	21	18	17	18	21
Bartow	60	56	44	48	57	60	59	59	59	55	50	6	60
Blountstown	6	6	5	6	7	8	6	6	6	5	4	5	8
Bushnell	5	5	4	4	5	6	5	6	6	5	5	6	6
Chatahoochee	7	7	7	6	7	8	9	9	9	7	7	7	9
Clewiston	21	19	22	26	24	26	26	28	27	27	25	23	28
Fort Meade	10	9	7	8	9	9	8	9	8	8	8	10	10
Green Cove Springs	25	23	19	18	22	23	23	24	23	20	21	25	25
Havana	6	5	4	3	5	5	6	6	5	5	4	5	6

SOURCE: Form PSC/ECR - 1, 3

**TABLE 16 (continued)**  
**MONTHLY PEAK DEMAND**  
**(MEGAWATTS)**  
**2004**

UTILITIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEARLY		
													PEAK	PEAK	
<b>NONGENERATING MUNICIPAL SYSTEMS</b>															
Jacksonville Beach	179	161	118	113	164	162	160	159	163	149	125	192	192	192	
Leesburg	90	82	68	81	99	105	103	104	101	96	84	90	105	105	
Moore Haven	2	3	2	3	4	4	4	4	3	3	3	3	4	4	
Mount Dora	15	18	16	15	20	22	22	22	22	20	17	19	22	22	
Newberry	6	5	4	4	6	6	6	6	6	5	5	6	6	6	
Ocala	286	251	218	229	295	306	298	303	284	267	236	278	306	306	
Quincy	28	27	26	22	27	30	32	31	31	28	27	27	32	32	
Wauchula	13	12	9	11	13	12	13	12	11	12	11	12	13	13	
Williston	5	6	5	4	5	7	7	7	7	7	6	4	7	7	
<b>RURAL ELECTRIC COOPERATIVES</b>															
Alabama Electric	20	18	15	13	19	20	20	21	21	18	17	18	21	21	
Central Florida	117	101	91	75	101	98	102	99	94	84	72	111	117	117	
Choctawhatchee	152	135	113	90	137	142	156	151	142	127	95	154	156	156	
Clay (Reported as part of Seminole)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Escambia River	41	36	31	31	33	36	39	37	35	34	33	43	43	43	
Florida Keys	98	102	103	117	130	133	138	134	121	120	104	100	138	138	
Glades	68	67	52	54	70	66	65	57	54	48	57	65	70	70	
Gulf Coast	82	70	61	54	63	62	73	66	65	61	55	84	84	84	
Lee County	613	634	426	513	623	647	641	634	631	581	569	620	647	647	
Peace River	106	101	75	80	113	98	109	105	99	96	91	104	113	113	
Seminole	3,531	3,193	2,533	2,502	3,222	3,196	3,227	3,173	3,073	2,991	2,616	3,387	3,531	3,531	
Sumter	524	460	379	363	494	485	485	456	475	471	393	514	524	524	
Suwanee Valley	86	83	68	63	66	82	84	83	77	69	55	81	86	86	
Talquin	250	220	180	153	185	187	213	198	188	183	138	221	250	250	
Tri-County	59	60	48	43	45	58	59	58	54	49	42	59	60	60	
West Florida	104	91	75	66	81	78	93	86	80	73	68	103	104	104	
Withlacoochee River	882	748	593	503	698	726	698	707	705	640	534	845	882	882	
Okefenokee	18	15	14	11	15	16	16	19	15	13	11	17	19	19	

NR = Not reported  
 NA = Not applicable

SOURCE: Form PSC/ECR - 1, 3

**TABLE 17**  
**ANNUAL PEAK DEMAND**  
**SELECTED UTILITIES**  
**(MEGAWATTS)**  
**1990-2004**

UTILITY COMPANY	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Florida Power & Light	13,754	14,123	14,661	15,266	15,179	16,563	18,096	16,613	17,897	17,615	17,808	18,754	19,219	20,190	20,545
Gulf Power Company	NR	NR	NR	NR	NR	2,048	2,144	2,040	2,154	2,169	2,281	2,223	2,454	2,500	2,431
Progress Energy Florida, Inc.	5,946	6,056	6,982	6,959	6,955	7,722	8,807	8,066	8,004	8,318	8,548	8,922	9,045	10,131	9,125
Tampa Electric Company	2,650	2,678	2,815	2,892	2,754	3,170	3,351	3,118	3,266	3,372	3,504	3,782	3,634	3,881	3,737
Fort Pierce	99	101	102	104	102	128	126	118	116	121	119	120	130	132	124
Gainesville	305	297	320	339	331	361	365	373	396	419	425	409	409	417	432
Jacksonville	1,789	1,756	1,881	1,998	1,973	2,190	2,401	2,130	2,338	2,427	2,614	2,665	2,607	3,055	2,657
Lake Worth	68	66	66	70	69	87	82	74	82	NR	85	88	86	90	93
Lakeland	408	440	444	457	485	538	610	552	535	649	610	655	659	694	580
Orlando	708	714	763	760	749	800	885	846	907	NR	1,058	962	986	1,019	1,203
Tallahassee	415	412	428	476	338	497	533	486	530	NR	569	521	580	590	565
Vero Beach	109	125	122	125	113	156	174	155	146	151	175	176	178	203	169

SOURCES: Form PSC/ECR - 1, 3

**TABLE 18**  
**SUMMER AND WINTER PEAK DEMAND - PROJECTED\***  
**2005-2014**

YEAR	SUMMER PEAK (MW)	YEAR	WINTER PEAK (MW)
2005	46,222	2005-2006	49,311
2006	47,478	2006-2007	50,635
2007	48,832	2007-2008	51,850
2008	50,037	2008-2009	53,179
2009	51,336	2009-2010	54,501
2010	52,615	2010-2011	55,876
2011	53,916	2011-2012	57,275
2012	55,223	2012-2013	58,666
2013	56,497	2013-2014	60,079
2014	57,822	2014-2015	61,528

\*Net Firm Peak Demand

SOURCE: Regional Load and Resource Plan - State Supplement, FRCC

**TABLE 19**  
**LOAD FACTORS BY GENERATING UTILITIES**  
**2004**

GENERATING UTILITIES	NET ENERGY FOR LOAD (GIGAWATT-HOURS)	PEAK LOAD (MEGAWATTS)	LOAD FACTOR (PERCENTAGE)
Florida Power & Light	108,091	20,545	60.1
Gulf Power Company	12,123	2,431	56.9
Progress Energy Florida, Inc.	45,266	9,125	56.6
Tampa Electric Company	19,409	3,737	59.3
Florida Keys Electric	722	138	59.7
Fort Pierce	617	124	56.8
Gainesville	2,049	432	54.1
Homestead	385	70	62.5
Jacksonville	13,349	2,657	57.4
Key West	419	140	34.3
Kissimmee	1,309	285	52.4
Lake Worth	419	93	51.5
Lakeland	3,475	580	68.4
New Smyrna Beach	387	89	49.6
Orlando	5,404	1,203	51.3
Reedy Creek	1,281	189	77.5
Seminole Electric	16,413	3,531	53.1
Starke	80	17	54.4
Tallahassee	2,841	565	57.4
Vero Beach	749	169	50.6

SOURCE: Form PSC/ECR - 1, 3 and Table 16.

## **FUEL ANALYSIS**



**TABLE 20**  
**FUEL REQUIREMENTS**  
**1990-2004**

YEAR	COAL (THOUSANDS OF SHORT TONS)	OIL* (THOUSANDS OF BARRELS)	NATURAL GAS (BILLION CUBIC FEET)	NUCLEAR (U-235) (TRILLION BTU)
1990	26,250.0	40,579.1	188.0	225.8 **
1991	27,955.4	48,408.6	202.5	205.4 **
1992	31,259.5	45,048.6	137.1	268.0
1993	28,953.9	55,773.2	173.8	300.6
1994	30,238.8	53,428.2	181.3	285.6
1995	30,912.1	34,944.9	321.9	300.6
1996	32,082.9	38,138.8	285.4	265.8
1997	34,991.5	30,226.9	299.8	241.9
1998	34,936.3	61,669.2	283.6	326.0
1999	33,654.0	56,294.0	329.6	334.0
2000	34,601.0	53,510.0	324.0	349.0
2001	30,786.0	58,389.0	324.4	339.0
2002	30,977.0	44,573.0	462.9	362.0
2003	30,228.0	47,835.0	470.1	671.0
2004	29,780.0	44,969.0	529.0	336.0

\*Residual and distillate

\*\*Prior to 1990, nuclear fuel consumption was reported in kilograms

SOURCES: 1988-1998, EIA Form 759  
1988-1998, FPSC Form AFAD (RRR)-2  
1988-1998, FCG Form 7.3  
1988-1998, A-Schedules  
1999-2002, Regional Load and Resource Plan, FRCC

**TABLE 21**  
**FUEL REQUIREMENTS - PROJECTED**  
**2004-2014**

YEARS	COAL (THOUSANDS OF SHORT TONS)	OIL (THOUSANDS OF BARRELS)	NATURAL GAS (BILLIONS OF CUBIC FEET)	NUCLEAR (U-235) (TRILLION BTU)
2004 *	29,780	44,969	529	336
2005	30,639	43,559	575	321
2006	30,612	44,924	637	335
2007	30,924	36,997	703	321
2008	30,804	34,246	745	342
2009	31,442	34,503	832	319
2010	30,496	33,334	917	335
2011	31,519	34,454	958	335
2012	34,106	32,318	957	338
2013	37,979	30,985	956	330
2014	39,125	32,035	998	340

\*Actual figures

SOURCE: Regional Load and Resource Plan - State Supplement, FRCC

## **CONSUMPTION**



**TABLE 22**  
**MONTHLY CONSUMPTION BY CLASS OF SERVICE**  
**(MEGAWATT-HOURS)**  
**2004**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
<b>Residential</b>													
Florida Power & Light	4,031,104	3,659,673	3,489,378	3,318,631	3,901,509	5,126,102	5,710,403	5,119,194	5,116,744	4,877,962	4,190,791	3,960,931	52,506,422
Florida Public Utilities	32,310	29,749	26,618	21,659	21,816	31,497	34,457	33,150	32,203	26,849	22,690	23,815	336,813
Gulf Power Company	481,151	411,118	327,250	305,855	431,881	534,483	603,567	555,049	362,390	440,126	314,004	448,518	5,215,332
Progress Energy Florida, Inc.	1,600,761	1,386,066	1,304,591	1,186,689	1,390,027	1,928,679	2,086,220	1,976,090	1,918,345	1,773,691	1,423,770	1,372,338	19,347,267
Tampa Electric Company	690,460	581,965	543,125	521,696	631,377	839,365	888,481	820,231	834,528	729,949	601,172	610,479	8,292,828
Jacksonville Electric Authority	533,779	430,251	432,829	340,962	349,760	550,810	556,529	560,279	505,510	432,355	322,264	390,988	5,406,316
Orlando Utilities Commission	172,439	164,672	149,955	144,071	163,891	206,538	246,137	231,499	207,918	206,937	163,419	155,872	2,213,347
<b>Commercial</b>													
Florida Power & Light	3,245,065	3,141,431	3,177,284	3,104,321	3,372,057	3,805,524	3,983,044	3,737,090	3,671,702	3,657,415	3,587,211	3,581,612	42,063,956
Florida Public Utilities	24,917	22,241	21,823	23,033	22,952	28,118	29,308	29,690	28,456	26,120	24,279	24,427	305,364
Gulf Power Company	261,051	258,735	264,601	284,785	352,573	340,352	381,753	362,341	281,461	306,156	276,664	324,999	3,695,471
Progress Energy Florida, Inc.	881,905	760,461	848,707	874,500	953,467	1,112,598	1,139,256	1,109,776	1,084,918	1,035,843	991,681	940,424	11,733,536
Tampa Electric Company	456,809	413,995	443,920	456,538	490,672	552,970	576,274	546,010	543,399	525,134	488,758	493,573	5,988,052
Jacksonville Electric Authority	300,642	248,476	305,533	282,846	287,204	366,074	338,665	375,384	349,899	330,252	278,788	313,973	3,777,736
Orlando Utilities Commission*	212,463	206,630	217,010	226,453	243,752	254,141	288,973	268,209	257,824	248,988	225,273	237,519	2,887,236
<b>Industrial</b>													
Florida Power & Light	452,814	325,991	319,529	328,585	326,678	318,648	368,441	319,819	316,277	212,948	405,858	373,678	4,069,266
Florida Public Utilities	8,430	8,370	10,910	7,740	8,150	10,970	10,960	10,440	11,650	11,820	10,300	7,410	117,130
Gulf Power Company	156,338	158,042	180,612	176,849	194,174	192,711	196,479	199,138	153,592	167,900	169,327	167,865	2,113,027
Progress Energy Florida, Inc.	349,755	301,960	370,820	345,799	351,164	354,226	454,773	227,694	331,648	284,939	345,734	350,115	4,068,627
Tampa Electric Company	212,692	208,443	231,891	204,549	236,241	221,941	186,398	209,841	197,339	209,701	220,125	216,506	2,555,667
Jacksonville Electric Authority	231,726	207,215	218,081	190,543	171,150	316,179	295,757	219,327	310,515	191,338	223,505	227,644	2,802,980
Orlando Utilities Commission*	31,708	27,908	29,341	33,720	31,956	32,994	40,830	35,544	32,530	35,650	31,847	33,528	397,555
<b>Other</b>													
Florida Power & Light	44,849	48,080	48,250	47,401	44,663	20,213	52,176	72,608	47,927	45,591	35,069	57,518	564,345
Florida Public Utilities	577	681	618	543	605	606	628	623	629	625	615	624	7,375
Gulf Power Company	34,252	30,967	26,928	26,880	33,443	36,342	40,116	39,329	32,962	30,379	27,431	35,261	394,290
Progress Energy Florida, Inc.	225,243	220,898	225,466	237,956	252,187	261,098	268,822	272,180	276,767	279,813	269,740	253,522	3,043,672
Tampa Electric Company	125,879	124,342	123,611	120,507	128,541	139,406	140,986	141,370	146,504	142,408	134,693	131,875	1,600,122
Jacksonville Electric Authority	60,151	992	112,603	53,086	97,417	75,265	26,968	68,659	113,151	20,607	91,950	62,349	783,198
Orlando Utilities Commission	10,851	11,788	11,291	12,052	12,922	13,849	14,683	14,463	13,652	13,076	12,035	12,350	153,012
<b>Total</b>													
Florida Power & Light	7,773,832	7,175,175	7,034,441	6,799,138	7,644,907	9,270,487	10,114,064	9,248,711	9,152,650	8,793,916	8,218,929	7,973,739	99,199,989
Florida Public Utilities	66,234	61,041	59,969	52,975	53,523	71,191	75,353	73,903	72,918	65,414	57,884	56,276	766,682
Gulf Power Company	932,792	858,862	799,391	794,869	1,012,011	1,103,888	1,221,915	1,155,857	830,405	944,561	787,426	976,643	11,418,120
Progress Energy Florida, Inc.	3,057,664	2,669,385	2,749,584	2,644,924	2,946,845	3,656,601	3,949,071	3,585,740	3,611,678	3,374,286	3,030,925	2,916,399	38,193,102
Tampa Electric Company	1,485,840	1,328,745	1,342,547	1,303,290	1,486,831	1,753,682	1,792,139	1,717,452	1,721,770	1,607,192	1,444,748	1,452,433	18,436,669
Jacksonville Electric Authority	1,126,298	886,934	1,069,046	867,437	905,531	1,308,328	1,217,919	1,223,649	1,279,075	974,552	916,507	994,954	12,770,230
Orlando Utilities Commission	427,461	410,998	407,597	416,296	452,521	507,523	590,623	549,715	511,924	504,651	432,573	439,269	5,651,150

SOURCE: Form PSC/EGR - 4

**TABLE 23**  
**CONSUMPTION BY CLASS OF SERVICE BY UTILITY**  
**(MEGAWATT-HOURS)**  
**2004**

UTILITIES	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL
Florida Power & Light	52,502,422	42,063,956	4,069,266	564,345	99,199,989
Florida Public Utilities	336,813	305,364	117,130	7,375	766,682
Gulf Power Company	5,215,332	3,695,471	2,113,027	394,290	11,418,120
Progress Energy Florida, Inc.	19,347,267	11,733,536	4,068,627	3,043,672	38,193,102
Tampa Electric Company	8,292,828	5,988,052	2,555,667	1,600,122	18,436,669
Alachua	37,305	42,110	133	0	79,548
Bartow	127,075	31,508	100,423	5,071	264,077
Blountstown	12,360	23,632	0	2,137	38,130
Bushnell	8,656	7,181	8,275	1,002	25,114
Central Florida Co-op	355,199	39,727	19,442	58,156	472,524
Chattahoochee	13,064	4,503	25,709	1,404	44,681
Choctawhatchee Co-op	483,480	84,907	85,412	136	653,936
Clay Co-op	2,071,904	240,694	634,783	4,433	2,951,814
Clewiston	52,371	7,231	63,577	788	123,967
Escambia River Co-op	126,824	33,075	0	619	160,518
Florida Keys Co-op	370,720	103,994	162,918	34,040	671,672
Fort Meade	29,375	8,953	14	2,236	40,579
Fort Pierce	240,795	336,555	0	10,240	587,590
Gainesville	877,859	202,687	724,627	24,754	1,829,927
Glades Co-op	149,590	34,028	74,175	80,887	338,680
Green Cove Springs	39,615	11,591	55,826	2,728	109,760
Gulf Coast Co-op	254,587	52,813	0	2,808	310,208
Havana	13,004	9,368	0	956	23,328
Homestead	190,827	32,898	113,366	19,517	356,608
Jacksonville	5,406,316	3,777,736	2,802,980	783,198	12,770,230
Jacksonville Beach	454,112	100,852	179,277	13,174	747,416
Key West	330,483	71,883	321,157	4,222	727,744
Kissimmee	662,930	156,730	418,579	11,122	1,249,361
Lake Worth	251,156	111,968	73,985	2,150	439,259
Lakeland	1,393,021	224,310	1,000,820	101,902	2,720,052
Lee County Co-op	2,154,118	153,661	833,903	12,239	3,153,920
Leesburg	214,135	58,302	225,046	0	497,483
Moore Haven	11,643	1,706	5,314	295	18,958
Mount Dora	52,271	16,092	18,300	5,842	92,505
New Smyrna Beach	234,293	49,734	77,658	2,956	364,640
Newberry	13,165	1,876	5,215	6,573	26,829
Ocala	522,759	143,863	606,281	27,859	1,300,762
Okefenoke*	141,703	7,413	4,374	2,788	156,278
Orlando	2,213,347	267,200	397,555	153,012	3,031,113
Peace River Co-op	336,558	63,737	102,976	0	503,271
Quincy	47,418	36,441	61,277	8,873	154,008
Reedy Creek	140	9,836	1,133,521	5,382	1,148,878
Seminole Co-op	0	0	0	0	0
Starke	24,751	45,026	0	0	69,777
Sumter Co-op	1,600,184	169,476	463,702	1,208	2,234,569
Suwannee Valley Co-op	302,164	31,689	124,633	306	458,793
Tallahassee	1,063,986	201,653	651,955	764,017	2,681,611
Talquin Co-op	737,197	7,627	218,470	16,552	979,847
Tri-County Co-op	164,883	24,816	58,797	1,463	249,960
Vero Beach	361,089	84,962	247,806	14,160	708,018
Wauchula	25,310	17,090	13,852	2,731	58,984
West Florida Co-op	319,099	25,134	8,378	22,804	375,415
Williston	11,092	6,431	11,550	956	30,029
Withlacoochee Co-op	<u>2,405,061</u>	<u>686,492</u>	<u>211,001</u>	<u>14,203</u>	<u>3,316,756</u>
Respondent Total**	112,603,654	71,647,572	25,270,759	7,841,706	217,363,691
FRCC State Total					204,588,000

\*Okefenoke sells power in Florida and Georgia; 2003 figures reflect Florida customers only.

\*\*Respondent total does not include information from every utility, but for those that responded, it includes sales to other public authorities.

For these reasons, respondent totals are not comparable to FRCC totals.

SOURCES: Form PSC/ECR - 1, 4.  
Regional Load and Resource Plan, State Supplement, FRCC.

**TABLE 24**  
**AVERAGE ANNUAL CONSUMPTION BY CLASS OF SERVICE BY UTILITY**  
**(KILOWATT-HOURS)**  
**2004**

UTILITIES	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL
Florida Power & Light	14,206	91,859	219,776	186,447	23,759
Florida Public Utilities	14,722	75,655	58,565,000	2,479	25,649
Gulf Power Company	15,096	71,093	7,569,052	832,274	28,674
Progress Energy Florida	14,177	73,898	1,488,794	135,802	24,663
Tampa Electric Company	15,235	88,727	1,967,033	248,653	29,759
Alachua	13,690	84,559	1,340	0	23,577
Bartow	12,614	23,690	250,432	30,005	22,054
Blountstown	12,274	79,569	N/A	73,698	28,604
Bushnell	11,271	31,915	827,512	18,907	23,782
Central Florida Co-op	12,487	21,290	285,907	115,389	15,300
Chattahoochee	11,964	31,936	6,427,351	23,022	34,423
Choctawhatchee Co-op	14,900	19,359	573,234	34,120	17,680
Clay Co-op	15,386	16,656	885,332	9,917	19,643
Clewiston	15,694	15,129	410,173	4,776	29,980
Escambia River Co-op	14,956	39,898	0	24,776	16,907
Florida Keys Co-op	14,488	22,652	385,150	88,645	21,677
Fort Meade	12,353	44,104	1,437	21,099	15,046
Fort Pierce	11,273	92,106	0	N/A	22,753
Gainesville	11,398	24,751	687,502	8,113	20,488
Glades Co-op	12,992	9,542	143,195	11,555,331	21,703
Green Cove Springs	13,818	24,820	477,145	303,111	31,723
Gulf Coast Co-op	14,464	46,125	N/A	18,117	16,412
Havana	11,985	42,581	N/A	50,341	17,619
Homestead	12,905	19,116	311,445	287,015	21,051
Jacksonville	15,568	106,017	13,535,517	170,876	32,940
Jacksonville Beach	17,192	19,947	503,588	137,229	23,414
Key West	13,819	24,106	302,693	3,665	25,000
Kissimmee	14,937	23,147	579,750	N/A	24,084
Lake Worth	11,350	37,687	754,945	2,664	16,892
Lakeland	14,809	22,218	779,455	9,865	23,494
Lee County Co-op	13,967	13,817	260,513	63,090	18,690
Leesburg	12,122	21,201	538,388	0	23,880
Moore Haven	14,129	15,796	295,210	12,833	19,484
Mount Dora	10,977	17,664	310,169	77,893	15,930
New Smyrna Beach	11,539	27,162	732,621	3,527	15,800
Newberry	13,887	16,752	153,378	80,158	22,814
Ocala	13,117	21,212	535,111	31,023	26,727
Okefenokee**	16,859	17,608	4,373,830	49,791	17,593
Orlando	13,760	12,200	21,202,909	14,152	15,658
Peace River Co-op	14,137	12,809	550,673	N/A	17,372
Quincy	12,871	53,511	3,829,816	95,403	34,423
Reedy Creek	15,535	29,988	1,370,642	109,834	947,138
Seminole Co-op	NR	NR	NR	NR	NR
Starke	12,771	66,804	0	0	26,714
Sumter Co-op	13,454	12,918	733,706	43,129	16,837
Suwannee Valley Co-op	14,578	19,090	2,769,633	4,027	20,383
Tallahassee	13,120	23,850	341,159	184,367	28,049
Talquin Co-op	15,620	9,439	67,743	16,552,287	19,126
Tri-County Co-op	11,063	15,847	632,229	12,836	14,988
Vero Beach	13,591	18,961	387,198	44,529	22,120
Wauchula	12,751	35,238	1,259,264	55,744	23,314
West Florida Co-op	13,544	13,319	13,319	42,387	14,105
Williston	11,037	26,575	268,597	12,919	22,015
Withlacoochee Co-op	14,949	40,997	4,586,970	47,187	18,636
Respondent Average	14,321	75,101	562,691	102,691	24,319

NR=Not Reported

\*\*Okefenokee Rural EMC sells power in Florida and Georgia; figures reflect Florida customers only.

SOURCES: Tables 23 and 33 (from Form PSC/ECR - 1,4)

**TABLE 25**  
**SALE FOR RESALE ACTIVITY BY SELECTED UTILITY**  
**(MEGAWATT-HOURS)**  
**2004**

UTILITY	TOTAL RESALES (MWH)	TOTAL SALES TO ULTIMATE CUSTOMERS (MWH)	UTILITY TOTAL SALES (MWH)	AVERAGE RESALES PER MONTH (MWH/MONTH)	RESALES AS PERCENTAGE OF TOTAL (%)
Florida Power & Light	4,481,870	99,094,872	103,576,742	373,489	4.33
Florida Public Utilities	0	766,682	766,682	0	0.00
Gulf Power Company	5,381,730	11,418,120	16,799,850	448,478	32.03
Progress Energy Florida, Inc.	5,100,847	38,193,102	43,293,949	425,071	11.78
Tampa Electric Company	664,823	18,436,669	19,101,492	55,402	3.48
Alabama Electric Cooperative*	1,603,792	0	1,603,792	133,649	100.00
Gainesville	149,115	1,829,927	1,979,042	12,426	7.53
Jacksonville	726,702	12,770,230	13,496,932	60,559	5.38
Lake Worth	0	439,259	439,259	0	0.00
Lakeland	593,636	2,720,052	3,313,688	49,470	17.91
New Smyrna Beach	3,444	364,640	26,829	287	12.84
Orlando	2,821,679	5,651,150	8,472,829	235,140	33.30
Reedy Creek	53,565	1,148,878	1,202,443	4,464	4.45
Seminole Electric Cooperative**	0	0	15,601,101	0	100.00 **
Suwannee Valley Co-op	5,968	458,793	464,761	497	1.28
Tallahassee	73,728	2,681,611	2,755,340	6,144	2.68
Talquin Electric Cooperative	0	979,847	979,847	0	0.00

\*Alabama Electric Cooperative does all of its Florida business on a resale basis.

\*\*Seminole Electric Cooperative generates only for resale.

SOURCES: FERC Form 1  
Form PSC/ECR - 1, 4

**TABLE 26**  
**CONSUMPTION BY UTILITY**  
**(MEGAWATT-HOURS)**  
**2000-2004**

UTILITIES	2000	2001	2002	2003	2004
Florida Power & Light	87,969,473	90,294,066	95,598,398	99,635,281	99,199,989
Florida Public Utilities	746,849	724,395	743,639	723,030	766,682
Gulf Power Company	10,112,966	10,173,246	10,771,897	11,248,860	11,418,120
Progress Energy Florida, Inc.	34,831,932	35,262,905	36,859,350	37,956,700	38,193,102
Tampa Electric Company	16,637,860	16,976,047	17,925,145	18,242,316	18,436,669
Alachua	67,962	72,669	NR	91,030	79,548
Bartow	273,089	270,869	303,428	272,367	264,077
Blountstown	37,494	16,938	39,641	37,750	38,130
Bushnell	22,362	27,514	NR	NR	25,114
Central Florida	398,447	409,956	441,371	451,892	472,524
Chattahoochee	45,184	43,753	45,919	44,878	44,681
Choctawhatchee	545,067	545,928	601,555	614,875	653,936
Clay	2,482,580	2,604,099	2,782,347	2,873,635	2,951,814
Clewiston	119,393	127,028	125,658	129,711	123,967
Escambia River	158,404	151,767	163,252	160,973	160,518
Florida Keys	NR	638,748	679,368	698,553	671,672
Fort Meade	41,065	40,723	40,402	NR	40,579
Fort Pierce	572,416	572,466	590,432	611,380	587,590
Gainesville	1,655,687	1,695,692	1,695,692	1,785,967	1,829,927
Glades	300,197	305,263	321,580	347,050	338,680
Green Cove Springs	107,341	100,438	101,810	104,191	109,760
Gulf Coast	26,735	267,416	293,436	295,100	310,208
Havana	23,303	22,765	NR	23,337	23,328
Homestead	318,923	324,917	342,173	354,779	356,608
Jacksonville	11,587,856	11,961,105	12,300,820	12,582,876	12,770,230
Jacksonville Beach	678,867	703,005	718,739	752,881	747,416
Key West	663,591	674,731	722,494	NR	727,744
Kissimmee	1,065,354	1,094,880	1,153,882	1,218,620	1,249,361
Lake Worth	368,453	375,492	391,483	424,852	439,259
Lakeland	2,542,870	2,565,778	2,702,406	2,736,686	2,720,052
Lee County	2,620,680	2,727,917	2,909,141	3,116,182	3,153,920
Leesburg	439,611	450,899	477,273	485,593	497,483
Moore Haven	16,797	16,655	17,748	18,032	18,958
Mount Dora	NR	NR	93,994	91,344	92,505
New Smyrna Beach	340,632	341,017	356,287	363,693	364,640
Newberry	NR	NR	25,126	25,602	26,829
Ocala	1,214,572	1,216,919	1,239,535	1,275,044	1,300,762
Okefenoke*	138,611	141,384	152,773	151,790	156,278
Orlando Utilities	5,035,886	5,218,750	7,195,409	7,567,400	3,031,113
Peace River	384,846	408,961	448,461	484,296	503,271
Quincy	NR	152,848	155,571	NR	154,008
Reedy Creek	1,101,913	1,100,380	1,124,053	1,124,269	1,148,878
Starke	60,899	65,510	68,797	69,409	69,777
Sumter	1,679,416	1,727,520	1,940,004	2,099,972	2,234,569
Suwannee Valley	311,861	318,268	342,209	386,251	458,793
Tallahassee	2,441,138	2,431,013	2,587,945	2,601,510	2,681,611
Talquin	859,516	872,490	925,238	935,119	979,847
Tri-County	203,897	207,784	226,815	227,370	249,960
Vero Beach	677,162	690,445	694,135	734,368	708,018
Wauchula	62,088	NR	NR	NR	58,984
West Florida	347,519	348,291	368,941	361,994	375,415
Williston	29,944	28,945	30,630	29,575	30,029
Withlacoochee	2,796,003	2,854,674	3,095,402	3,210,356	3,316,756
Respondent Total**	195,164,713	200,365,268	212,931,803	219,778,737	217,363,691
FRCC State Total	194,238,000	197,113,000	207,590,000	214,493,000	204,588,000

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

\*\*Respondent Total does not include information from every utility every year, but for those that responded, it includes sales to other public authorities.

For these reasons, respondent totals are not comparable to FRCC totals.

SOURCES: Table 23 and 27.

**TABLE 27**  
**TOTAL CONSUMPTION AND PERCENTAGE CHANGE BY CLASS OF SERVICE**  
**1995-2004**

YEAR		RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER PUBLIC AUTHORITIES*	TOTAL
1995	Consumption (GWH)	82,681	54,808	19,482	5,859	162,830
	Change from prior year	6.2 %	3.4 %	3.2 %	5.2 %	4.8 %
1996	Consumption (GWH)	85,207	55,895	20,146	6,049	167,297
	Change from prior year	3.1 %	2.1 %	3.4 %	3.2 %	2.8 %
1997	Consumption (GWH)	84,847	58,541	20,610	6,356	170,354
	Change from prior year	(0.4) %	4.6 %	2.3 %	5.1 %	1.8 %
1998	Consumption (GWH)	92,637	62,164	21,393	5,235	181,429
	Change from prior year	9.2 %	6.2 %	3.8 %	(17.6) %	6.5 %
1999	Consumption (GWH)	92,386	66,022	22,132	5,138	184,678
	Change from prior year	(0.3) %	6.2 %	(1.2) %	(1.9) %	1.8 %
2000	Consumption (GWH)	97,258	68,945	21,343	5,320	192,866
	Change from prior year	6.8 %	4.3 %	1.1 %	4.8 %	5.2 %
2001	Consumption (GWH)	99,765	71,616	21,621	5,086	198,088
	Change from prior year	2.6 %	2.3 %	1.3 %	(3.6) %	2.2 %
2002	Consumption (GWH)	106,445	73,812	22,040	5,293	207,590
	Change from prior year	6.7 %	3.1 %	1.9 %	4.1 %	4.8 %
2003	Consumption (GWH)	110,821	75,647	22,453	5,572	214,493
	Change from prior year	4.1 %	2.5 %	1.9 %	5.3 %	3.3 %
2004	Consumption (GWH)	105,168	73,382	20,372	5,666	204,588
	Change from prior year	(5.1) %	(3.0) %	(9.3) %	1.7 %	(4.6) %

\*Includes Street and Highway Lighting and Interdepartmental

Occasionally, the FRCC revises figures slightly. Numbers elsewhere in this report may not match for this reason.

SOURCES: Regional Load and Resource Plan, State Supplement, FRCC

**TABLE 28**  
**CONSUMPTION AS A PERCENTAGE OF TOTAL BY CLASS OF SERVICE**  
**1990-2004**

YEAR	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER
1990	49.57	31.94	15.43	3.06
1991	49.56	30.13	16.55	3.76
1992	49.11	30.74	16.72	3.42
1993	50.48	31.93	14.47	3.12
1994	50.39	32.29	13.82	3.50
1995	51.12	30.75	14.93	3.20
1996	51.27	31.18	14.35	3.19
1997	50.06	32.05	14.57	3.32
1998	50.97	31.72	14.13	3.18
1999	50.89	33.97	11.93	3.21
2000	49.79	37.34	9.53	3.34
2001	50.59	34.11	11.83	3.47
2002	50.76	32.25	12.74	4.26
2003	51.03	32.12	12.34	4.51
2004	51.80	32.96	11.63	3.61

SOURCES: Table 23.



## **REVENUES**



TABLE 29  
MONTHLY REVENUES BY CLASS OF SERVICE BY SELECT UTILITY  
(IN THOUSANDS)  
2004

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
<b>Residential</b>													
Florida Power & Light	\$366,347	\$330,321	\$317,005	\$300,007	\$352,440	\$463,735	\$517,153	\$463,178	\$462,792	\$441,102	\$381,012	\$360,230	\$4,755,322
Florida Public Utilities	1,804	1,668	1,504	1,307	1,364	1,857	2,013	1,951	1,896	1,625	1,405	1,484	19,878
Gulf Power Company	36,733	32,400	26,692	24,690	33,921	40,856	45,872	42,549	28,316	35,321	24,782	36,141	408,273
Progress Energy Florida, Inc.	147,162	127,720	120,934	110,146	129,292	177,937	192,294	182,195	174,532	163,955	131,958	127,606	1,785,731
Tampa Electric Company	68,293	58,357	54,801	52,842	62,891	81,978	86,438	80,191	81,522	71,934	60,136	60,838	820,221
Jacksonville Electric Authority	36,318	29,484	30,023	23,978	24,321	37,502	37,759	38,079	34,482	29,831	23,109	28,629	373,515
Orlando Utilities Commission	14,209	14,604	14,848	14,218	16,278	19,105	22,329	22,505	21,214	21,733	15,493	13,204	209,740
<b>Commercial</b>													
Florida Power & Light	\$251,402	\$245,410	\$250,151	\$245,451	\$263,619	\$292,832	\$304,146	\$288,426	\$284,955	\$285,690	\$278,561	\$274,748	\$3,265,391
Florida Public Utilities	1,231	1,104	1,054	1,125	1,350	1,385	1,502	1,470	1,283	1,306	1,217	1,243	15,270
Gulf Power Company	17,356	17,328	17,438	18,302	22,222	21,117	23,368	22,501	17,926	20,546	17,662	21,919	237,685
Progress Energy Florida, Inc.	63,046	56,155	61,863	63,230	69,875	80,442	82,155	80,538	79,095	75,675	72,158	67,639	851,871
Tampa Electric Company	38,618	35,835	37,824	38,689	41,586	46,236	47,859	45,735	45,914	44,151	41,599	41,416	505,462
Jacksonville Electric Authority	16,609	14,039	17,075	15,824	15,873	19,981	19,365	20,562	19,077	18,302	15,708	18,579	210,994
Orlando Utilities Commission	12,898	12,612	13,092	15,586	15,014	17,782	19,282	18,455	17,759	17,408	14,627	15,317	189,832
<b>Industrial</b>													
Florida Power & Light	\$21,589	\$20,539	\$20,214	\$20,928	\$20,754	\$20,295	\$23,130	\$20,299	\$20,283	\$14,608	\$25,241	\$23,042	\$250,922
Florida Public Utilities	272	350	335	281	266	287	373	447	298	559	398	260	4,126
Gulf Power Company	7,281	7,578	8,446	8,381	9,162	9,580	9,696	8,032	8,016	8,176	8,185	102,071	102,071
Progress Energy Florida, Inc.	19,611	17,380	21,216	20,096	20,197	20,577	26,720	13,100	19,448	17,034	19,986	20,086	235,451
Tampa Electric Company	13,759	13,384	14,876	13,271	14,164	14,589	13,117	13,859	13,080	13,744	14,223	13,910	165,976
Jacksonville Electric Authority	9,031	8,002	8,603	7,461	8,255	10,692	11,143	8,633	11,680	7,713	8,705	9,822	109,740
Orlando Utilities Commission	1,364	1,238	1,287	1,897	1,814	2,056	2,449	2,217	2,004	2,175	1,551	1,550	21,604
<b>Other</b>													
Florida Power & Light	\$5,427	\$6,118	\$5,872	\$5,834	\$5,832	\$5,994	\$6,155	\$5,502	\$5,943	\$5,671	\$4,165	\$7,335	\$69,848
Florida Public Utilities	84	89	88	97	106	104	112	108	109	109	107	109	1,221
Gulf Power Company	1,495	1,391	1,259	1,405	1,578	1,650	1,650	1,452	1,335	1,224	1,535	1,783	17,183
Progress Energy Florida, Inc.	15,361	15,253	15,617	16,145	17,410	17,950	18,326	18,633	19,193	19,356	18,593	17,216	209,053
Tampa Electric Company	11,044	10,910	10,844	10,667	11,274	12,016	12,024	12,238	12,614	12,357	11,759	11,448	139,195
Jacksonville Electric Authority	2,182	147	4,262	1,785	1,880	2,807	1,119	2,569	3,787	915	3,434	2,177	27,064
Orlando Utilities Commission	543	599	577	725	769	872	-536	913	2,342	838	666	671	8,978
<b>Total</b>													
Florida Power & Light	\$644,765	\$602,388	\$593,242	\$572,220	\$645,645	\$782,856	\$850,584	\$777,405	\$773,973	\$747,071	\$688,979	\$665,355	\$8,341,483
Florida Public Utilities	3,391	3,211	2,981	2,810	3,086	3,633	4,000	3,976	3,586	3,599	3,127	3,096	40,495
Gulf Power Company	62,865	58,697	53,835	52,582	66,710	73,131	80,428	76,396	55,710	62,234	51,844	67,780	765,212
Progress Energy Florida, Inc.	245,180	216,508	219,630	209,617	236,774	296,906	319,495	294,466	292,268	276,020	242,695	232,547	3,082,106
Tampa Electric Company	131,714	118,486	118,345	115,469	129,915	154,819	159,438	152,023	153,130	142,186	127,717	127,612	1,630,854
Jacksonville Electric Authority	64,140	51,672	59,963	49,048	50,329	70,982	69,386	69,843	69,026	56,761	50,956	59,207	721,313
Orlando Utilities Commission	29,014	29,054	29,805	32,426	33,876	39,816	43,523	44,090	43,319	42,155	32,337	30,741	430,154

SOURCE: Form PSC/ECR - 4

**TABLE 30**  
**CUSTOMER REVENUES BY CLASS OF SERVICE**  
**(IN THOUSANDS)**  
**1990-2004**

YEAR	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER PUBLIC AUTHORITIES*	TOTAL
1990	5,520,066	3,121,059	1,128,528	303,506	10,073,159
1991	5,736,646	3,220,832	1,146,858	342,605	10,446,941
1992	5,681,719	2,940,669	1,338,816	336,772	10,297,976
1993	6,140,038	3,123,365	1,361,449	350,405	10,975,257
1994	6,252,005	3,259,074	1,226,500	359,252	11,096,831
1995	6,635,847	3,303,139	1,352,628	484,992	11,776,606
1996	7,056,633	3,570,759	1,363,019	376,590	12,367,001
1997	7,074,435	3,722,308	1,382,150	390,703	12,569,596
1998	7,525,835	3,684,867	1,483,475	383,985	13,078,162
1999	6,955,823	3,745,961	1,042,359	357,003	12,101,146
2000	7,598,822	3,973,611	1,373,215	419,513	13,365,161
2001	8,682,796	4,671,712	1,495,201	471,932	15,321,641
2002	8,768,596	4,580,867	1,509,709	472,945	15,332,116
2003	9,566,860	5,017,993	1,580,890	517,843	16,683,586
2004	10,113,189	5,448,498	1,733,166	584,582	17,879,435

\*Other includes Street and Highway Lighting and Interdepartmental

SOURCES: Form PSC/ECR - 1

**TABLE 31**  
**CUSTOMER REVENUES AS A PERCENTAGE OF TOTAL BY CLASS OF SERVICE**  
**1990-2004**

YEAR	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER PUBLIC AUTHORITIES*
1990	54.8	31.0	11.2	3.0
1991	54.9	30.8	11.0	3.3
1992	55.2	28.6	13.0	3.3
1993	55.9	28.5	12.4	3.2
1994	56.3	29.4	11.1	3.2
1995	56.3	28.0	11.5	4.1
1996	57.1	28.9	11.0	3.0
1997	56.3	31.3	10.1	2.3
1998	57.5	28.2	11.3	2.9
1999	57.5	31.0	8.6	3.0
2000	56.9	29.7	10.3	3.1
2001	56.7	30.5	9.8	3.1
2002	57.2	29.9	9.8	3.1
2003	57.3	30.1	9.5	3.1
2004	56.6	30.5	9.7	3.3

\*Other includes Street and Highway Lighting and Interdepartmental



**NUMBER OF CUSTOMERS**



TABLE 32  
MONTHLY NUMBER OF CUSTOMERS BY CLASS OF SERVICE BY SELECT UTILITY  
2004

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MONTHLY AVERAGE
<b>Residential</b>													
Florida Power & Light	3,704,273	3,718,576	3,141,431	3,740,096	3,740,148	3,744,902	3,752,046	3,758,767	3,755,796	3,751,172	3,768,165	3,773,584	3,695,746
Florida Public Utilities	22,699	22,766	22,808	22,824	22,821	22,962	22,972	22,961	22,884	22,919	22,907	23,012	22,878
Gulf Power Company	343,273	343,871	344,844	345,700	346,655	347,551	348,673	349,274	349,056	341,745	341,809	343,151	345,467
Progress Energy Florida, Inc.	1,348,442	1,316,798	1,391,176	1,354,068	1,364,646	1,360,416	1,352,339	1,362,072	1,377,987	1,371,216	1,386,736	1,390,228	1,364,677
Tampa Electric Company	539,905	541,873	543,492	543,089	542,967	543,301	544,420	543,775	545,767	545,817	547,411	549,940	544,313
Jacksonville Electric Authority	343,926	324,238	385,297	364,314	324,221	366,112	347,550	368,774	348,145	352,128	311,802	330,631	347,262
Orlando Utilities Commission	158,685	159,242	159,606	159,833	160,221	160,316	160,966	161,036	161,435	162,090	162,926	163,835	160,849
<b>Commercial</b>													
Florida Power & Light	452,814	452,612	453,614	455,370	456,747	458,191	461,102	461,337	461,123	461,986	462,058	458,057	457,918
Florida Public Utilities	4,001	4,009	4,017	4,033	4,024	4,033	4,041	4,053	4,062	4,060	4,031	4,071	4,036
Gulf Power Company	51,383	51,461	51,794	51,992	52,077	52,203	52,337	52,463	52,477	52,025	51,689	51,865	51,981
Progress Energy Florida, Inc.	155,289	151,880	160,455	157,163	158,735	158,201	157,222	158,721	160,762	161,735	163,690	161,508	158,780
Tampa Electric Company	66,919	67,095	67,116	67,184	67,284	67,569	67,700	67,657	67,790	67,720	67,760	68,067	67,488
Jacksonville Electric Authority	35,186	30,942	40,635	37,151	33,457	36,854	35,198	37,987	35,543	37,321	31,678	35,649	35,633
Orlando Utilities Commission	21,590	21,632	21,753	21,802	21,867	21,854	21,933	21,978	22,038	22,039	22,120	22,213	21,902
<b>Industrial</b>													
Florida Power & Light	17,753	17,794	17,979	18,271	18,266	18,435	19,003	19,413	19,172	19,139	18,686	18,275	18,516
Florida Public Utilities	2	2	2	2	2	2	2	2	2	2	2	2	2
Gulf Power Company	281	278	277	279	277	276	276	278	281	281	281	285	279
Progress Energy Florida, Inc.	2,727	2,642	2,799	2,738	2,734	2,737	2,730	2,735	2,725	2,719	2,742	2,766	2,733
Tampa Electric Company	1,313	1,311	1,305	1,287	1,283	1,289	1,303	1,305	1,307	1,295	1,294	1,299	1,299
Jacksonville Electric Authority	196	193	227	210	196	221	201	221	217	211	188	204	207
Orlando Utilities Commission	18	18	18	18	19	19	19	19	19	19	20	19	19
<b>Other</b>													
Florida Power & Light	2,937	2,958	2,972	2,993	3,009	3,027	3,045	3,056	3,062	3,069	3,090	3,104	3,027
Florida Public Utilities	2,931	2,955	2,954	2,962	2,979	2,978	2,978	2,984	2,990	2,996	2,997	2,996	2,975
Gulf Power Company	473	474	472	475	475	476	476	473	473	473	472	473	474
Progress Energy Florida, Inc.	22,126	21,659	22,665	22,189	22,464	22,231	22,223	22,294	22,597	22,788	22,931	22,784	22,413
Tampa Electric Company	6,431	6,429	6,425	6,429	6,444	6,442	6,434	6,435	6,449	6,436	6,433	6,435	6,435
Jacksonville Electric Authority	4,549	3,467	5,799	4,735	4,480	4,739	4,610	5,155	4,597	4,571	3,844	4,455	4,583
Orlando Utilities Commission	10,783	10,799	10,803	10,806	10,817	10,783	10,867	10,850	10,829	10,810	10,784	10,810	10,812
<b>Total</b>													
Florida Power & Light	4,177,777	4,191,940	3,615,996	4,216,730	4,218,170	4,224,555	4,235,196	4,242,573	4,239,153	4,235,366	4,251,999	4,253,020	4,175,206
Florida Public Utilities	29,633	29,732	29,781	29,821	29,826	29,975	29,993	30,000	29,938	29,977	29,937	30,081	29,891
Gulf Power Company	395,410	396,084	397,387	398,446	399,484	400,506	401,762	402,488	402,287	394,524	394,251	395,774	398,200
Progress Energy Florida, Inc.	1,528,584	1,492,979	1,577,095	1,536,158	1,548,579	1,543,585	1,534,514	1,545,822	1,564,071	1,558,458	1,576,099	1,577,386	1,548,603
Tampa Electric Company	614,568	616,708	618,338	617,989	617,978	618,601	619,857	619,172	621,313	621,268	622,898	625,741	619,536
Jacksonville Electric Authority	383,857	358,840	431,958	406,410	362,354	407,926	387,559	412,137	388,502	394,231	347,512	370,939	387,685
Orlando Utilities Commission	191,076	191,691	192,180	192,459	192,924	192,972	193,785	193,883	194,321	194,958	195,850	196,877	193,581

SOURCES: Form PSC/ECR - 4

**TABLE 33**  
**AVERAGE NUMBER OF CUSTOMERS BY CLASS OF SERVICE BY UTILITY**  
**2004**

UTILITIES	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL
Florida Power & Light	3,695,746	457,918	18,516	3,027	4,175,206
Florida Public Utilities	22,878	4,036	2	2,975	29,891
Gulf Power Company	345,467	51,981	279	474	398,200
Progress Energy Florida, Inc.	1,364,677	158,780	2,733	22,413	1,548,603
Tampa Electric Company	544,313	67,488	1,299	6,435	619,536
Alachua	2,725	498	99	52	3,374
Bartow	10,074	1,330	401	169	11,974
Blountstown	1,007	297	0	29	1,333
Bushnell	768	225	10	53	1,056
Central Florida Co-op	28,446	1,866	68	504	30,884
Chattahoochee	1,092	141	4	61	1,298
Choctawhatchee Co-op	32,448	4,386	149	4	36,987
Clay Co-op	134,660	14,451	717	447	150,275
Clewiston	3,337	478	155	165	4,135
Escambia River Co-op	8,480	829	160	25	9,494
Florida Keys Co-op	25,588	4,591	423	384	30,986
Fort Meade	2,378	203	10	106	2,697
Fort Pierce	21,360	3,654	811	0	25,825
Gainesville	77,021	8,189	1,054	3,051	89,315
Glades Co-op	11,514	3,566	518	7	15,605
Green Cove Springs	2,867	467	117	9	3,460
Gulf Coast Co-op	17,601	1,145	0	155	18,901
Havana	1,085	220	0	19	1,324
Homestead	14,787	1,721	364	68	16,940
Jacksonville	347,262	35,633	207	4,583	387,685
Jacksonville Beach	26,414	5,056	356	96	31,922
Key West	23,915	2,982	1,061	1,152	29,110
Kissimmee	44,382	6,771	722	0	51,875
Lake Worth	22,128	2,971	98	807	26,004
Lakeland	94,065	10,096	1,284	10,330	115,775
Lee County Co-op	154,233	11,121	3,201	194	168,749
Leesburg	17,665	2,750	418	0	20,833
Moore Haven	824	108	18	23	973
Mount Dora	4,762	911	59	75	5,807
New Smyrna Beach	20,304	1,831	106	838	23,079
Newberry	948	112	34	82	1,176
Ocala	39,855	6,782	1,133	898	48,668
Okefenoke*	8,405	421	1	56	8,883
Orlando	160,849	21,902	19	10,812	193,581
Peace River Co-op	23,807	4,976	187	0	28,970
Quincy	3,684	681	16	93	4,474
Reedy Creek	9	328	827	49	1,213
Seminole Co-op	0	0	0	0	0
Starke	1,938	674	0	0	2,612
Sumter Co-op	118,937	13,119	632	28	132,716
Suwannee Valley Co-op	20,728	1,660	45	76	22,509
Tallahassee	81,094	8,455	1,911	4,144	95,604
Talquin Co-op	47,196	808	3,225	1	51,230
Tri-County Co-op	14,904	1,566	93	114	16,677
Vero Beach	26,569	4,481	640	318	32,008
Wauchula	1,985	485	11	49	2,530
West Florida Co-op	23,561	1,887	629	538	26,615
Williston	1,005	242	43	74	1,364
Withlacoochee Co-op	160,880	16,745	46	301	177,972
Respondent Total	7,862,627	954,014	44,911	76,363	8,937,914
FRCC State Total	7,762,998	958,450	32,850	N/A	8,754,298

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

SOURCES: Form PSC/ECR - 1, 4  
Regional Load and Resource Plan, FRCC

**TABLE 34  
AVERAGE NUMBER OF CUSTOMERS BY UTILITY  
2000-2004**

UTILITIES	2000	2001	2002	2003	2004
Florida Power & Light	3,890,029	3,935,278	3,975,003	4,064,135	4,175,206
Florida Public Utilities	25,517	25,834	26,266	26,796	29,891
Gulf Power Company	370,117	374,559	381,520	389,809	398,200
Progress Energy Florida, Inc.	1,432,579	1,440,081	1,475,760	1,510,493	1,548,603
Tampa Electric Company	568,361	575,779	590,199	604,900	619,536
Alachua	2,795	2,918	NR	3,150	3,374
Bartow	9,721	9,899	10,006	11,714	11,974
Blountstown	1,334	1,329	1,324	1,330	1,333
Bushnell	992	1,026	NR	NR	1,056
Central Florida	27,996	28,757	29,460	30,146	30,884
Chattahoochee	1,302	1,286	1,288	1,299	1,298
Choctawhatchee	32,102	33,237	34,400	35,627	36,987
Clay	134,665	138,166	142,174	146,531	150,275
Clewiston	4,055	4,065	4,067	4,124	4,135
Escambia River	9,109	9,261	9,390	9,454	9,494
Florida Keys	NR	30,338	30,668	30,890	30,986
Fort Meade	2,685	2,639	2,730	NR	2,697
Fort Pierce	24,650	24,975	25,301	25,646	25,825
Gainesville	81,482	83,837	85,500	86,400	89,315
Glades	14,279	14,596	14,937	15,763	15,605
Green Cove Springs	3,008	3,108	3,153	3,379	3,460
Gulf Coast	17,291	17,556	17,991	18,427	18,901
Havana	1,268	1,274	NR	1,295	1,324
Homestead	16,021	16,386	16,082	16,576	16,940
Jacksonville	359,384	365,009	372,842	378,921	387,685
Jacksonville Beach	32,395	31,010	31,241	31,474	31,922
Key West	28,037	28,600	28,925	NR	29,110
Kissimmee	48,825	50,375	49,083	51,183	51,875
Lake Worth	25,359	24,778	24,417	24,965	26,004
Lakeland	110,047	110,112	112,733	114,334	115,775
Lee County	145,509	150,031	155,643	160,902	168,749
Leesburg	18,374	18,772	19,019	19,731	20,833
Moore Haven	1,098	978	989	1,014	973
Mount Dora	NR	NR	6,427	6,763	5,807
New Smyrna Beach	21,135	21,514	21,811	22,284	23,079
Newberry	NR	NR	1,103	1,133	1,176
Ocala	45,993	46,702	47,096	47,180	48,668
Okefenoke*	7,971	8,235	8,478	8,744	8,883
Orlando Utilities	169,422	179,864	183,965	188,056	193,581
Peace River	24,417	25,391	26,295	27,401	28,970
Quincy	NR	4,686	4,764	NR	4,474
Reedy Creek	1,346	1,349	1,208	1,208	1,213
Starke	2,608	2,609	2,603	2,600	2,612
Sumter	104,648	110,284	116,202	123,129	132,716
Suwannee Valley	20,319	20,591	21,362	21,900	22,509
Tallahassee	95,770	97,335	97,986	93,809	95,604
Talquin	47,366	48,160	49,211	50,696	51,230
Tri-County	15,151	15,503	15,901	16,340	16,677
Vero Beach	29,823	30,902	31,089	32,354	32,008
Wauchula	2,517	NR	NR	NR	2,530
West Florida	25,193	25,408	25,786	24,684	26,615
Williston	1,277	1,324	1,331	1,304	1,364
Withlacoochee	157,614	161,744	164,671	173,589	177,972
Respondent Total**	8,212,956	8,357,450	8,499,401	8,663,582	8,937,914
FRCC State Total	7,940,712	8,142,064	8,325,902	8,528,117	8,754,298

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

\*\*Respondent total does not include information from every utility.

SOURCES: Table 33

**TABLE 35**  
**AVERAGE NUMBER OF CUSTOMERS AND PERCENTAGE CHANGE BY CLASS OF SERVICE**  
**1995-2004**

YEAR		RESIDENTIAL	COMMERCIAL	INDUSTRIAL	TOTAL
1995	Number of Customers	6,239,291	746,928	25,936	7,012,155
	Change from prior year	2.1 %	2.1 %	(1.2) %	2.1 %
1996	Number of Customers	6,354,461	762,752	25,804	7,143,017
	Change from prior year	1.8 %	2.1 %	(0.5) %	1.9 %
1997	Number of Customers	6,482,244	781,160	26,213	7,289,617
	Change from prior year	2.0 %	2.4 %	1.6 %	2.1 %
1998	Number of Customers	6,613,532	801,200	27,257	7,441,989
	Change from prior year	2.0 %	2.6 %	4.0 %	2.1 %
1999	Number of Customers	7,023,628	860,010	31,529	7,915,167
	Change from prior year	6.2 %	7.3 %	15.7 %	6.4 %
2000*	Number of Customers	7,047,302	869,460	28,556	7,945,318
	Change from prior year	0.3 %	1.1 %	(9.4) %	0.4 %
2001	Number of Customers	7,220,638	893,241	28,185	8,142,064
	Change from prior year	2.5 %	2.7 %	(1.3) %	2.5 %
2002	Number of Customers	7,383,246	914,044	28,612	8,325,902
	Change from prior year	2.3 %	2.3 %	1.5 %	2.3 %
2003	Number of Customers	7,564,064	932,976	31,077	8,528,117
	Change from prior year	2.4 %	2.1 %	8.6 %	2.4 %
2004	Number of Customers	7,762,998	958,450	32,850	8,754,298
	Change from prior year	2.6 %	2.7 %	5.7 %	2.7 %

\*FRCC numbers as revised

SOURCES: FRCC numbers from Table 33.

**TABLE 36**  
**POPULATION AND CUSTOMERS FOR SELECTED INVESTOR-OWNED UTILITIES**  
**(HISTORICAL AND FORECASTED)**  
**1995-2014**

UTILITY	YEAR	POPULATION	RESIDENTIAL CUSTOMERS	COMMERCIAL CUSTOMERS	INDUSTRIAL CUSTOMERS	OTHER CUSTOMERS	TOTAL CUSTOMERS
Florida Power & Light	1995	6,806,351	3,097,192	374,005	15,140	2,459	3,488,796
	1999	7,412,744	3,332,422	404,942	16,040	2,605	3,756,009
	2004	8,247,442	3,744,915	458,053	18,512	3,029	4,224,509
	2009 *	9,029,214	4,086,068	504,304	15,442	3,221	4,609,035
	2014 *	9,789,447	4,429,329	548,242	14,678	3,471	4,995,720
Gulf Power Company	1995	747,695	283,717	41,007	276	119	325,119
	1999	814,365	312,283	47,292	251	286	360,112
	2004	891,070	345,467	51,981	279	474	398,201
	2009 *	988,287	389,714	60,186	325	483	450,708
	2014 *	1,083,050	436,179	68,006	340	498	505,023
Progress Energy Florida, Inc.	1995	2,801,105	1,124,679	126,189	3,143	17,774	1,271,785
	1999	3,047,293	1,213,470	140,897	2,629	19,601	1,376,597
	2004	3,348,630	1,364,677	158,780	2,733	22,437	1,548,627
	2009 *	3,645,405	1,489,119	173,820	2,813	25,241	1,690,993
	2014 *	3,891,403	1,612,925	189,232	4,780	28,144	1,835,081
Tampa Electric Company	1995	892,874	436,091	54,375	491	4,241	495,198
	1999	962,153	477,533	60,089	740	5,299	543,661
	2004	1,106,487	544,313	67,488	1,299	6,435	619,535
	2009 *	1,210,976	610,379	73,287	1,656	7,366	692,688
	2014 *	1,315,429	682,426	80,166	2,030	8,288	772,910

\*Projected

SOURCE: Individual Ten-Year Site Plans



## **PRICES**



**TABLE 37**  
**PRICE OF RESIDENTIAL SERVICE\***  
**DECEMBER 31, 2004**

INVESTOR-OWNED UTILITIES	MINIMUM BILL OR CUSTOMER CHARGE**	100	250	500	750	1000	1500
		KWH	KWH	KWH	KWH	KWH	KWH
Florida Power & Light	\$5.25	\$13.05	\$24.74	\$44.25	\$63.74	\$85.55	\$129.65
Florida Public Utilities Company							
- Marianna Division	\$10.00	\$15.48	\$23.70	\$37.42	\$51.12	\$64.82	\$92.24
- Fernandina Beach Division	\$10.00	\$14.36	\$20.92	\$31.86	\$42.78	\$53.70	\$75.56
Gulf Power Company	\$10.00	\$16.81	\$27.03	\$44.04	\$61.07	\$78.08	\$112.12
Progress Energy Florida, Inc.	\$8.03	\$15.92	\$27.75	\$47.47	\$67.18	\$86.88	\$131.32
Tampa Electric Company	\$8.50	\$17.30	\$30.52	\$52.53	\$74.52	\$96.53	\$140.56

\* Excludes local taxes, franchise fees, and gross receipts taxes that are billed as a separate line item. Includes 1.5% embedded gross receipts taxes for Florida Power & Light Company and the Fernandina Beach Division of Florida Public Utilities Company. The remaining companies have removed all gross receipts taxes from their rates, and bill the entire 2.5% as a separate line item. Includes cost recovery clause factors effective December 2004.

SOURCE: FPSC Comparative Rate Statistics.

**TABLE 37 (continued)**  
**PRICE OF RESIDENTIAL SERVICE\***  
**DECEMBER 31, 2004**

MUNICIPAL UTILITIES	MINIMUM BILL OR CUSTOMER CHARGE					KWH	KWH	KWH	KWH	KWH
	100	250	500	750	1000					
Alachua	\$8.00	\$31.20	\$54.40	\$77.60	\$100.80	\$147.20				
Bartow	\$6.60	\$29.18	\$51.77	\$74.35	\$96.93	\$142.10				
Blountstown	\$3.50	\$19.80	\$36.09	\$52.39	\$68.68	\$101.27				
Bushnell	\$7.20	\$29.95	\$52.71	\$75.46	\$98.21	\$143.72				
Chattahoochee	\$4.50	\$24.81	\$45.13	\$65.44	\$85.75	\$126.38				
Clewiston	\$6.50	\$30.26	\$54.02	\$77.78	\$101.53	\$149.05				
Fort Meade	\$12.96	\$38.69	\$64.41	\$90.14	\$115.86	\$167.31				
Fort Pierce	\$5.35	\$27.75	\$50.16	\$72.55	\$94.95	\$139.76				
Gainesville	\$4.66	\$24.94	\$45.23	\$65.51	\$88.20	\$133.58				
Green Cove Springs	\$6.00	\$31.27	\$56.54	\$81.80	\$107.07	\$157.61				
Havana	\$6.00	\$30.75	\$55.48	\$80.23	\$104.96	\$154.44				
Homestead	\$5.50	\$28.82	\$52.13	\$75.45	\$98.77	\$145.40				
Jacksonville	\$5.50	\$22.17	\$38.83	\$55.49	\$72.15	\$105.48				
Jacksonville Beach	\$4.50	\$27.58	\$50.67	\$73.74	\$96.82	\$142.99				
Key West	\$6.00	\$32.08	\$58.15	\$84.23	\$110.30	\$162.45				
Kissimmee	\$9.70	\$27.66	\$45.60	\$63.56	\$81.51	\$117.41				
Lake Worth	\$7.42	\$32.32	\$57.21	\$82.11	\$107.00	\$156.79				
Lakeland	\$6.35	\$30.12	\$53.88	\$77.65	\$101.41	\$118.81				
Leesburg	\$8.15	\$29.26	\$50.98	\$72.40	\$93.81	\$136.64				
Moore Haven	\$8.50	\$28.66	\$48.80	\$68.96	\$89.10	\$129.40				
Mount Dora	\$5.05	\$26.00	\$46.95	\$67.90	\$88.85	\$130.75				
New Smyrna Beach	\$5.65	\$27.88	\$50.11	\$72.34	\$94.56	\$139.02				
Newberry	\$7.50	\$30.55	\$53.58	\$76.63	\$99.66	\$145.74				
Ocala	\$7.00	\$29.59	\$52.19	\$74.78	\$97.37	\$142.56				
Orlando	\$7.00	\$26.40	\$45.80	\$65.20	\$84.60	\$128.40				
Quincy	\$6.00	\$30.26	\$54.51	\$78.77	\$103.02	\$151.53				
Reedy Creek	\$2.85	\$23.45	\$44.05	\$64.65	\$85.24	\$126.44				
Starke	\$6.45	\$28.08	\$49.37	\$71.33	\$92.95	\$147.20				
St.Cloud	\$7.28	\$27.64	\$47.64	\$67.82	\$87.99	\$133.55				
Tallahassee	\$4.94	\$28.70	\$52.46	\$76.22	\$99.97	\$147.49				
Vero Beach	\$7.00	\$31.35	\$55.69	\$80.04	\$104.38	\$153.07				
Wauchula	\$8.62	\$33.99	\$59.37	\$84.74	\$110.11	\$160.86				
Williston	\$8.00	\$32.44	\$56.87	\$81.31	\$105.74	\$154.61				

\* Local taxes, franchise fees, and gross receipts taxes not embedded in rates are excluded. December 2004 Fuel and Purchased Power Costs are included.

SOURCE: FPSC Comparative Rate Statistics.

**TABLE 37 (continued)  
PRICE OF RESIDENTIAL SERVICE\*  
DECEMBER 31, 2004**

COOPERATIVE UTILITIES	MINIMUM BILL OR CUSTOMER CHARGE					1500 KWH
	100 KWH	250 KWH	500 KWH	750 KWH	1000 KWH	
Central Florida	\$8.50	\$16.65	\$28.88	\$49.25	\$69.63	\$130.75
Choctawhatchee	\$18.00	\$25.63	\$37.06	\$56.11	\$75.17	\$132.33
Clay	\$9.00	\$16.25	\$27.13	\$45.25	\$63.38	\$122.75
Escambia River	\$9.00	\$17.20	\$29.50	\$50.00	\$70.50	\$132.00
Florida Keys	\$10.00	\$19.83	\$34.57	\$59.15	\$83.72	\$157.44
Glades	\$10.50	\$19.70	\$33.50	\$56.50	\$79.50	\$148.50
Gulf Coast	\$10.00	\$17.90	\$29.75	\$49.50	\$69.25	\$128.50
Lee County	\$5.00	\$13.11	\$25.28	\$45.55	\$65.83	\$126.65
Okefenoke	\$10.00	\$17.29	\$28.22	\$46.44	\$64.67	\$119.33
Peace River	\$10.50	\$19.18	\$32.19	\$53.89	\$75.58	\$140.66
Sumter	\$8.25	\$16.67	\$29.30	\$50.35	\$71.40	\$134.55
Suwannee Valley	\$8.73	\$15.92	\$26.71	\$44.70	\$62.68	\$116.63
Talquin	\$8.00	\$16.10	\$28.25	\$48.50	\$68.75	\$129.50
Tri-County	\$10.00	\$18.85	\$32.13	\$54.25	\$76.38	\$142.75
West Florida	\$8.00	\$16.63	\$29.58	\$51.15	\$72.73	\$137.45
Withlacoochee River	\$9.75	\$17.70	\$29.64	\$49.52	\$69.41	\$129.06

\* Local taxes, franchise fees, and gross receipts taxes not embedded in rates are excluded. December 2003 Fuel and Purchased Power Costs are included.

SOURCE: FPSC Comparative Rate Statistics.

**TABLE 38**  
**PRICE OF COMMERCIAL AND INDUSTRIAL SERVICE\***  
**DECEMBER 31, 2004**

INVESTOR-OWNED UTILITIES	75 KW	150 KW	500 KW	1,000 KW	2,000 KW
	15,000 KWH	45,000 KWH	150,000 KWH	400,000 KWH	800,000 KWH
Florida Power & Light	\$1,352	\$3,542	\$11,586	\$28,098	\$55,818
Florida Public Utilities Company					
- Marianna Division	\$833	\$2,226	\$7,319	\$18,616	\$37,188
- Fernandina Beach Division	\$684	\$1,778	\$5,823	\$14,628	\$29,212
Gulf Power Company	\$1,075	\$2,748	\$9,665	\$22,597	\$45,039
Progress Energy Florida, Inc.	\$1,140	\$3,141	\$10,445	\$26,685	\$53,359
Tampa Electric Company	\$1,447	\$3,713	\$12,277	\$30,329	\$60,403

\*Excludes local taxes, franchise fees, and gross receipts taxes that are billed as a separate line item. Includes 1.5% embedded gross receipts taxes for Florida Power & Light Company and the Fernandina Beach Division of Florida Public Utilities Company. The remaining companies have removed all gross receipts taxes from their rates, and bill the entire 2.5% as a separate line item. Includes cost recovery clause factors effective December 2004.

SOURCE: FPSC Comparative Rate Statistics.

**TABLE 38 (continued)**  
**PRICE OF COMMERCIAL AND INDUSTRIAL SERVICE\***  
**DECEMBER 31, 2004**

MUNICIPAL UTILITIES	75 KW		150 KW		500 KW		1,000 KW		2,000 KW	
	15,000 KWH	45,000 KWH	150,000 KWH	450,000 KWH	1,500,000 KWH	4,500,000 KWH	15,000,000 KWH	45,000,000 KWH	150,000,000 KWH	450,000,000 KWH
Alachua	\$1,528	\$4,092	\$13,588	\$34,213	\$68,403					
Bartow	\$1,712	\$4,481	\$14,893	\$36,933	\$73,847					
Blountstown	\$1,102	\$3,292	\$10,959	\$29,211	\$58,415					
Bushnell	\$1,678	\$4,450	\$14,784	\$36,986	\$73,950					
Chattahoochee	\$1,337	\$4,099	\$13,663	\$34,760	\$69,520					
Clewiston	\$1,655	\$4,626	\$15,340	\$39,647	\$79,259					
Fort Meade	\$1,829	\$5,040	\$16,590	\$40,950	\$81,810					
Fort Pierce	\$1,447	\$3,822	\$12,659	\$31,699	\$63,363					
Gainesville	\$1,332	\$3,533	\$11,740	\$28,711	\$57,361					
Green Cove Springs	\$1,751	\$4,678	\$15,536	\$33,153	\$66,181					
Havana	\$1,490	\$4,459	\$14,850	\$39,590	\$79,174					
Homestead	\$1,682	\$4,508	\$14,945	\$37,711	\$75,387					
Jacksonville	\$1,076	\$2,731	\$8,985	\$22,050	\$43,900					
Jacksonville Beach	\$1,824	\$4,802	\$15,969	\$39,724	\$79,432					
Key West	\$1,776	\$4,807	\$15,979	\$40,429	\$80,839					
Kissimmee	\$1,456	\$3,627	\$12,330	\$28,923	\$57,791					
Lake Worth	\$2,021	\$5,287	\$17,507	\$43,602	\$87,154					
Lakeland	\$1,460	\$3,951	\$13,808	\$33,778	\$67,180					
Leesburg	\$1,407	\$3,661	\$12,162	\$30,069	\$60,121					
Moore Haven	\$1,504	\$3,848	\$12,755	\$31,280	\$62,530					
Mount Dora	\$1,177	\$3,121	\$10,368	\$25,940	\$51,866					
New Smyrna Beach	\$1,536	\$4,127	\$13,680	\$34,590	\$69,146					
Newberry	\$1,664	\$4,213	\$14,009	\$33,999	\$67,983					
Ocala	\$1,401	\$3,715	\$12,335	\$30,875	\$61,729					
Orlando	\$1,253	\$3,240	\$10,767	\$26,395	\$52,911					
Quincy	\$1,319	\$3,557	\$11,716	\$29,908	\$58,708					
Reedy Creek	\$1,485	\$3,760	\$12,486	\$30,356	\$60,692					
Starke	\$1,614	\$4,824	\$16,059	\$42,809	\$85,609					
St. Cloud	\$1,303	\$3,370	\$11,197	\$27,508	\$55,000					
Tallahassee	\$1,524	\$3,947	\$13,004	\$32,194	\$64,348					
Vero Beach	\$1,545	\$4,285	\$14,181	\$36,501	\$72,933					
Wauchula	\$1,564	\$4,967	\$16,404	\$41,791	\$83,517					
Williston	\$1,628	\$4,459	\$14,585	\$36,810	\$73,570					

\*Excluding local taxes, franchise fees, and non-embedded gross receipts taxes. Full year fuel costs and Purchased Power Costs are included.

SOURCE: FPSC Comparative Rate Statistics.

**TABLE 38 (continued)**  
**PRICE OF COMMERCIAL AND INDUSTRIAL SERVICE\***  
**DECEMBER 31, 2004**

COOPERATIVE UTILITIES	75 KW	150 KW	500 KW	1,000 KW	2,000 KW
	15,000 KWH	45,000 KWH	150,000 KWH	400,000 KWH	800,000 KWH
Central Florida	\$1,438	\$3,665	\$12,100	\$29,350	\$58,650
Choctawhatchee	\$1,219	\$3,138	\$9,747	\$24,305	\$48,580
Clay	\$1,191	\$3,175	\$10,455	\$26,505	\$51,350
Escambia River	\$1,495	\$3,955	\$13,090	\$32,840	\$65,640
Florida Keys	\$1,179	\$3,417	\$11,506	\$29,799	\$59,647
Glades	\$1,721	\$4,823	\$15,475	\$26,495	\$52,815
Gulf Coast	\$1,205	\$3,290	\$10,937	\$27,812	\$55,612
Lee County	\$1,217	\$3,245	\$11,355	\$27,655	\$55,295
Okefenoke	\$1,231	\$3,020	\$9,833	\$23,956	\$47,811
Peace River	\$1,313	\$3,367	\$11,105	\$27,430	\$54,810
Sumter	\$1,229	\$3,175	\$10,465	\$25,990	\$51,930
Suwannee Valley	\$1,335	\$3,462	\$8,596	\$20,053	\$40,065
Talquin	\$1,231	\$3,328	\$11,280	\$25,480	\$50,660
Tri-County	\$1,398	\$3,438	\$11,225	\$27,300	\$54,500
West Florida	\$1,280	\$3,289	\$10,847	\$23,070	\$46,040
Withlacoochee River	\$1,212	\$3,173	\$10,521	\$26,181	\$52,337

\* Local taxes, franchise fees, and gross receipts taxes not embedded in rates are excluded. December 2004 Fuel and Purchased Power Costs are included.

SOURCE: FPSC Comparative Rate Statistics.

## **ECONOMIC AND FINANCIAL INDICATORS**



**TABLE 39**  
**POPULATION ESTIMATES**  
**1995-2004**  
**(000s)**

YEAR	FLORIDA POPULATION	NATIONAL POPULATION
1995	14,538	266,278
1996	14,853	269,394
1997	15,186	272,647
1998	15,487	275,854
1999	15,983	279,040
2000	16,049	282,192
2001	16,354	285,102
2002	16,681	287,941
2003	16,999	290,789
2004	17,397	293,655

**TABLE 40**  
**POPULATION PROJECTIONS**  
**2010-2030**  
**(000s)**

YEAR	FLORIDA POPULATION	NATIONAL POPULATION
2010	19,655	308,936
2020	22,894	335,805
2030	25,898	363,584

SOURCE: U.S. Census Bureau, Washington D.C. 20233

Table 39:

[http://www.census.gov/popest/archives/2000s/vintage\\_2001/CO-EST2001-12/CO-EST2001-12-12.html](http://www.census.gov/popest/archives/2000s/vintage_2001/CO-EST2001-12/CO-EST2001-12-12.html)

<http://www.census.gov/popest/states/tables/NST-EST2004-01.pdf>

<http://www.census.gov/popest/archives/EST90INTERCENSAL/US-EST90INT-01.html>

Table 40:

Florida projections based on Census 2000 data (Univ. of Florida Bureau of Economic and Business Research)  
 National proj's are interim based on Census 2000 data (Pop. Proj's Branch, Population Div., U.S. Census Bu

**TABLE 41**  
**CONSUMER PRICE INDEX**  
**ALL URBAN CONSUMERS**  
**ANNUAL RATE OF CHANGE**  
**1995-2004**

YEAR*	ALL URBAN CONSUMERS
1995	2.5%
1996	3.3%
1997	1.7%
1998	1.6%
1999	2.7%
2000	3.4%
2001	1.6%
2002	2.4%
2003	1.9%
2004	3.3%

**TABLE 42**  
**CONSUMER PRICE INDEX**  
**FOR ALL ITEMS AND FUEL AND OTHER UTILITIES**  
**1995-2004**

YEAR*	ALL ITEMS	FUEL AND OTHER UTILITIES
1995	152.4	123.7
1996	156.9	127.5
1997	160.5	130.8
1998	163.0	128.5
1999	166.6	128.8
2000	172.2	137.9
2001	177.1	150.2
2002	179.9	143.6
2003	184.0	154.5
2004	188.9	161.9

\*Not seasonally adjusted.

1982-84 = 100

SOURCE: ECONOMIC INDICATORS, Council of Economic Advisers, Joint Economic Committee  
 United States Government Printing Office  
 (<http://www.gpoaccess.gov/indicators>)

**TABLE 43**  
**PRODUCER PRICE INDEX**  
**TOTAL FINISHED GOODS AND CAPITAL EQUIPMENT**  
**1995-2004**

YEAR	FINISHED GOODS	CAPITAL EQUIPMENT
1995	127.9	136.7
1996	131.3	138.3
1997	131.8	138.2
1998	130.7	137.6
1999	133.0	137.6
2000	138.0	138.8
2001	140.7	139.7
2002	138.9	139.1
2003	143.3	139.5
2004	148.5	141.4

1982 = 100

SOURCE: ECONOMIC INDICATORS, Council of Economic Advisers, Joint Economic Committee  
 United States Government Printing Office  
 (<http://www.gpoaccess.gov/indicators>)



## **GLOSSARY OF ELECTRIC UTILITY TERMS**



## ABBREVIATIONS AND TERMINOLOGY

The following abbreviations are used frequently throughout this report and are presented now for use in interpreting the data.

EIA - Energy Information Administration  
EDC - Florida Energy Data Center  
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)  
GEO - Governor's Energy Office, formerly SEO  
SEO - State Energy Office

BBL - Barrel - 42 gallons  
BTU - British Thermal Unit  
ECS - Extended Cold Standby  
IC&GT- Internal Combustion and Gas Turbine  
KG - Kilogram  
KWH - 3,413 BTUs  
MCF - Thousands of Cubic Feet  
SH-TON - Short Ton - 2,000 pounds  
THERM - 100,000 BTUs

Kilowatts (KW) - 1,000 watts  
Megawatts (MW) - 1,000 kilowatts  
Gigawatts (GW) - 1,000 megawatts  
Kilowatt-Hours (KWH) - 1,000 watt-hours  
Megawatt-Hours (MWH) - 1,000 kilowatt-hours  
Gigawatt-Hours (GWH) - 1,000 megawatt-hours

### Utility

FPL - Florida Power & Light Company	PEF - Progress Energy Florida
FTP - Fort Pierce Utilities Authority	SEB - Sebring Utilities Commission
GPC - Gulf Power Company	SEC - Seminole Electric Cooperative
GRU - Gainesville Regional Utilities	SPA - Southeastern Power Administration
HST - City of Homestead	STC - City of St. Cloud
JEA - Jacksonville Electric Authority	STK - City of Starke
KEY - City of Key West	TEC - Tampa Electric Company
KUA - Kissimmee Utility Authority	TAL - City of Tallahassee
LAK - City of Lakeland	VER - Vero Beach Municipal Utilities
LWU - Lake Worth Utilities Authority	OTH - Other
NSB - New Smyrna Beach Utilities Commission	
OUC - Orlando Utilities Commission	XXX - Other joint participant utility not listed above

**Unit Number (U)**

- r - Retirement
- c - Change or modification of unit

**Unit Type (T)**

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

**Primary Fuel (F)**

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

**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:

$$\text{Net Energy for Load} = \text{Total MWH Generated} - \text{Plant Use} + \text{MWH Received} - \text{MWH Delivered}$$

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 one to zero. It 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 is this difference, and therefore the greater is the magnitude of peaking across the load curve.

## GLOSSARY OF ELECTRIC UTILITY TERMS

**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 words relates to the capability at the generator terminals and would therefore be defined as the "total capability of a system's generating units measured at their terminals."

**Margin of Reserve** - See **CAPABILITY MARGIN**.

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

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

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

**CAPABILITY MARGIN** - 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. On a regional or national basis, it is the difference between aggregate net system capability of the various systems in the region or nation and the sum of system maximum (peak) loads of the several systems. However, within a region, account is taken of diversity between peak loads of systems that are operated as a closely coordinated group.

**CAPACITY** - The load for which a generating unit, generating station, or other electrical apparatus is rated either by the user 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.

**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 definition of each.

**Sales to Ultimate Customers:\***

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

**Sales for Resale (Other Electric Utilities):**

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

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\*Companies service rural customers under distinct rural rates and classify these sales as "Rural." However, many companies service customers in rural areas under standard Residential, Commercial and Industrial rates and so classify such sales. Consequently, "Rural" is a rate classification rather than a customer classification and since it 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.

<b>Basis of Classification</b>	<b>Class of System</b>
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), 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. It 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. It 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. 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. It is the total cost of fuel consumed divided by its total BTU content, and the answer is 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. Accounting 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** - This 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 at which are located 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 generation 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 (GWH)** - One million kilowatt-hours, one thousand megawatt-hours, or one billion watt-hours.

**HEAT RATE** - A measure of generating station thermal efficiency, generally expressed in BTU per net kilowatt-hour. It 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 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 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 by the product of the maximum demand in kilowatts and the number of hours in the period.

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

**Average** - The total difference in energy input and output or power input and output (due to losses) averaged over a time interval and expressed either in physical quantities or as a percentage of total input.

**Energy** - The kilowatt-hours lost in the operation of an electric system.

**Line** - Kilowatt-hours and kilowatts lost in transmission and distribution lines under specified conditions.

**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. It 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 the purposes of 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, it includes municipally-owned electric systems and federal and state public power projects. Cooperatives are not included in this grouping.

**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. The rate of energy transfer equivalent to one ampere flowing under a pressure of one volt at unity power factor. It 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 Governor's Energy Office