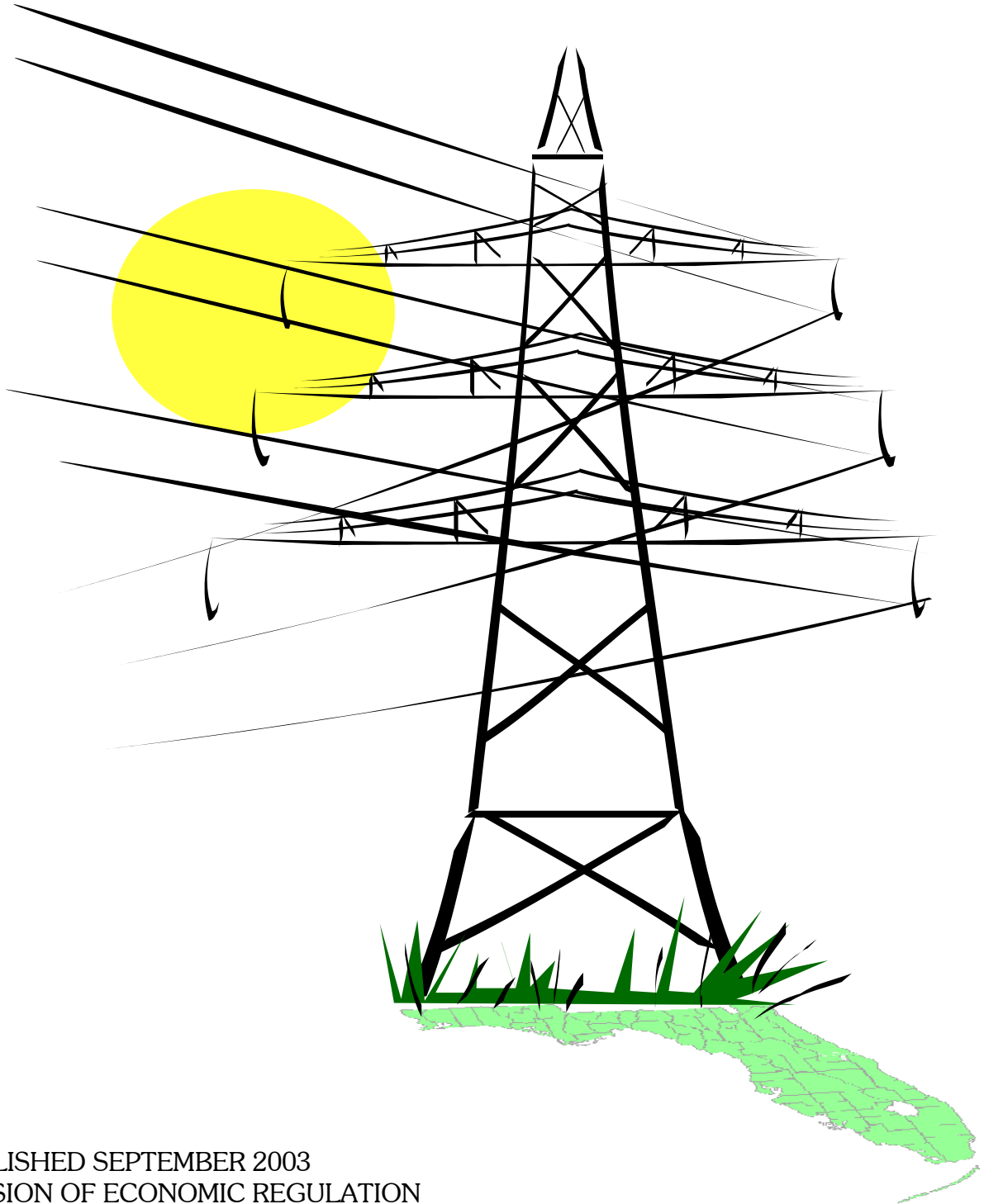


# STATISTICS OF THE FLORIDA ELECTRIC UTILITY INDUSTRY 2002



PUBLISHED SEPTEMBER 2003  
DIVISION OF ECONOMIC REGULATION  
FLORIDA PUBLIC SERVICE COMMISSION

# STATE OF FLORIDA

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### STATISTICS OF THE FLORIDA ELECTRIC UTILITY INDUSTRY

This is your personal copy of the 2002 edition of *STATISTICS OF THE FLORIDA ELECTRIC UTILITY INDUSTRY*. We would like to thank all the users of this report for their assistance and cooperation in helping us compile this edition.

The 2002 report was prepared by the Division of Economic Regulation of the Florida Public Service Commission. Access to the data will be available through the division. Should you have any questions or suggestions for this publication, please contact them. The current report and several prior years are available online at: [http://www.floridapsc.com/industry/electric\\_gas/Statistics.cfm](http://www.floridapsc.com/industry/electric_gas/Statistics.cfm)

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

**2002**

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.

Data were compiled primarily from three sources: the Federal Energy Information Administration, the Florida Reliability Coordinating Council, and Florida electric utilities. We have not audited the data and can not verify its accuracy. Information compiled from electric utilities may be incomplete or inaccurate, so totals may substantially deviate from totals reported by other institutions.

Florida Power Corporation became Progress Energy Florida, Inc. subsequent to 2002. In this report, this year, the company is referred to as Florida Power Corporation.

Matthew Brinkley  
Regulatory Analyst

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# TABLE OF CONTENTS

Table		Page
<b>INTRODUCTION</b>		
F1	Florida Sources of Electricity by Type of Ownership . . . . .	1
	Maps of Service Areas and Plant Locations	
F2	Privately Owned Utilities . . . . .	2
F3	Publicly Owned Utilities . . . . .	3
F4	Rural Electric Cooperatives . . . . .	4
	Florida Electric Utility Industry, 2002 (Company Listing) . . . . .	5
	Counties Served by Generating Electric Utilities, 2002 . . . . .	6
	Counties Served by Nongenerating Electric Utilities, 2002 . . . . .	7
1	Summary Statistics, 1998-2002 . . . . .	8

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

2	Allowed and Actual Rates of Return, 1998-2002 . . . . .	10
	Average per Book Rate of Return	
	Average Adjusted Rate of Return	
	Required Rate of Return	
	Adjusted Jurisdictional Year-End Rate Base	
3	Sources of Revenue, 1998-2002 . . . . .	11
4	Uses of Revenue, 1998-2002 . . . . .	12
5	Proprietary Capital and Long-Term Debt, 2002 . . . . .	13
6	Financial Integrity Indicators, 1998-2002 . . . . .	14
	Times Interest Earned with AFUDC	
	Times Interest Earned without AFUDC	
	AFUDC as a Percentage of Net Income Interest Coverage Ratio	
	Percent Internally Generated Funds	

## NET GENERATION

7	Net Generation by Type of Ownership, 1988-2002 . . . . .	15
8	Net Energy for Load by Fuel Type and Other Sources, 1988-2002 . . . . .	16
9	Interchange and Generation by Fuel Type, 2002-2012 . . . . .	17
10	Interchange and Generation by Fuel Type, (Percentage Basis), 2002-2012 . . . . .	18

**GENERATING CAPACITY AND CAPABILITY**

11	Installed Nameplate Capacity/Summer Net Capability by Prime Mover, 1988-2002 . . . . .	19
12	Installed Nameplate Capacity/Summer Net Capability by Type of Ownership, 1988-2002 . . . . .	20
13	Installed Nameplate Capacity/Summer Net Capability by Utility, 1997-2001 .	21
14	Summer Net Capability by Prime Mover by Utility, 2002 . . . . .	22
15	Nuclear Generating Units, 2002 . . . . .	23
16	Monthly Peak Demand, 2002 . . . . .	24
17	Annual Peak Demand, 1988-2002 . . . . .	26
18	Summer and Winter Peak Demand - Projected, 2003-2012 . . . . .	27
19	Load Factors by Generating Utilities, 2002 . . . . .	28

**FUEL ANALYSIS**

20	Fuel Requirements, 1988-2002 . . . . .	29
21	Fuel Requirements - Projected, 2002-2012 . . . . .	30

**CONSUMPTION**

22	Monthly Consumption by Class of Service, 2002 . . . . .	31
23	Consumption by Class of Service by Utility, 2002 . . . . .	32
24	Average Annual Consumption by Class of Service By Utility, 2002 . . . . .	33
25	Sale for Resale by Selected Utility, 2002 . . . . .	34
26	Consumption by Utility, 1998-2002 . . . . .	35
27	Total Consumption and Percentage Change by Class of Service, 1993-2002 .	36
28	Consumption as a Percentage of Total by Class of Service, 1988-2002 . . .	37

**REVENUES**

29	Monthly Revenues by Class of Service by Selected Utility, 2002 . . . . .	38
30	Customer Revenues by Class of Service, 1988-2002 . . . . .	39
31	Customer Revenues as a Percentage of Total by Class of Service, 1988-2002	40

**NUMBER OF CUSTOMERS**

32	Monthly Number of Customers by Class of Service by Selected Utility, 2002	41
33	Average Number of Customers by Class of Service by Utility, 2002 . . . . .	42
34	Average Number of Customers by Utility, 1998-2002 . . . . .	43
35	Average Number of Customers and Percentage Change by Class of Service, 1993-2002 . . . . .	44
36	Population and Customers for Selected Investor-Owned Utilities, 1992-2012 .	45

## **PRICES**

37	Price of Residential Service, December 31, 2002 . . . . .	46
38	Price of Commercial and Industrial Service, December 31, 2002 . . . . .	49

## **ECONOMIC AND FINANCIAL INDICATORS**

39	Population Estimates, 1993-2002 . . . . .	52
40	Population Projections, 2010-2030 . . . . .	52
	Consumer Price Index	
41	All Urban Consumers, Annual Rate of Change, 1993-2002 . . . . .	53
42	For All Items and Fuel and Other Utilities, 1993-2002 . . . . .	53
43	Producer Price Index, Total Finished Goods and Capital Equipment, 1993-2002	54

## **GLOSSARY OF ELECTRIC UTILITY TERMS**

	Abbreviations and Terminology . . . . .	55
	Glossary of Electric Utility Terms . . . . .	57

## **INTRODUCTION**

**FIGURE 1  
FLORIDA SOURCES OF ELECTRICITY  
BY TYPE OF OWNERSHIP**

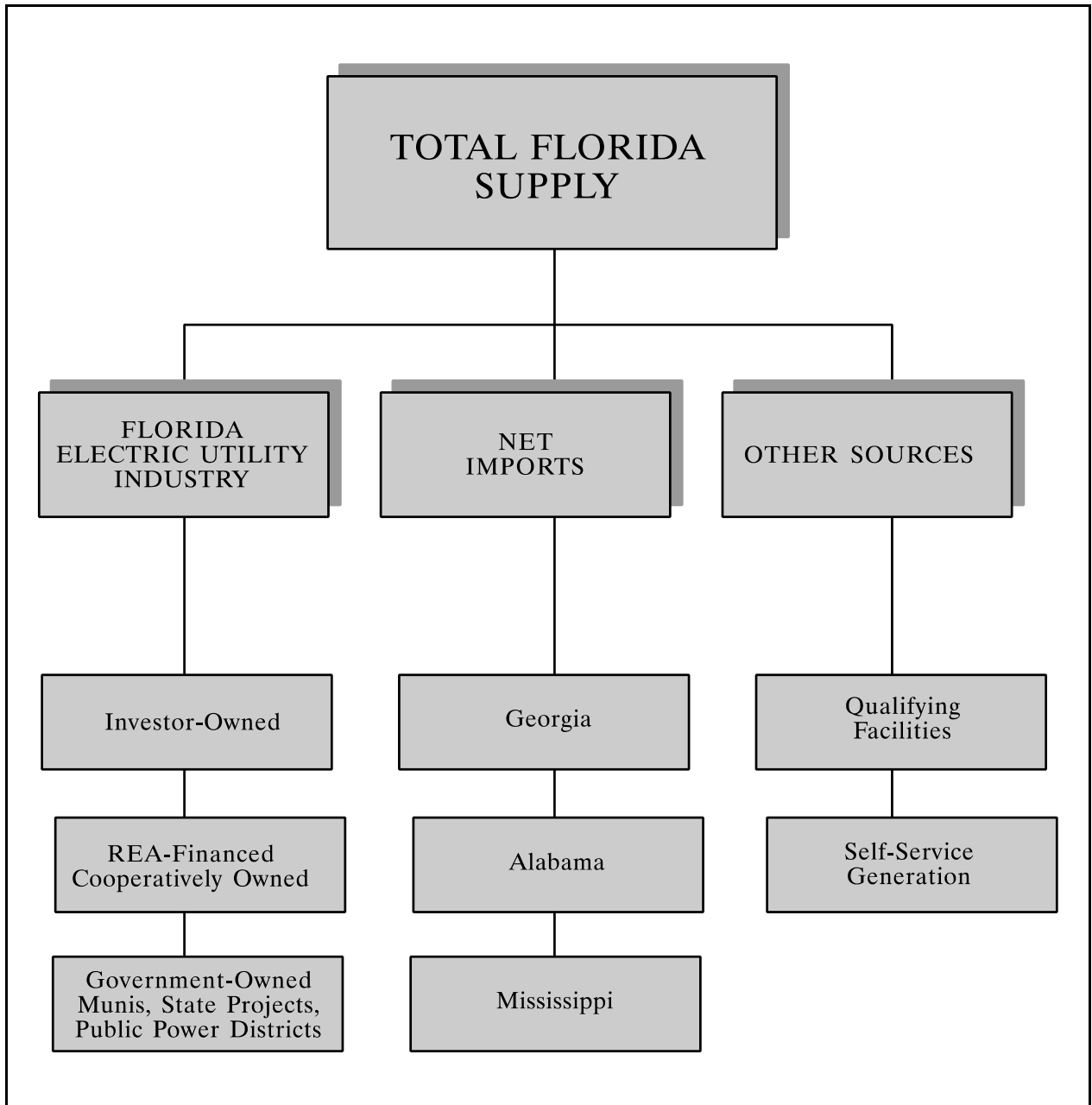
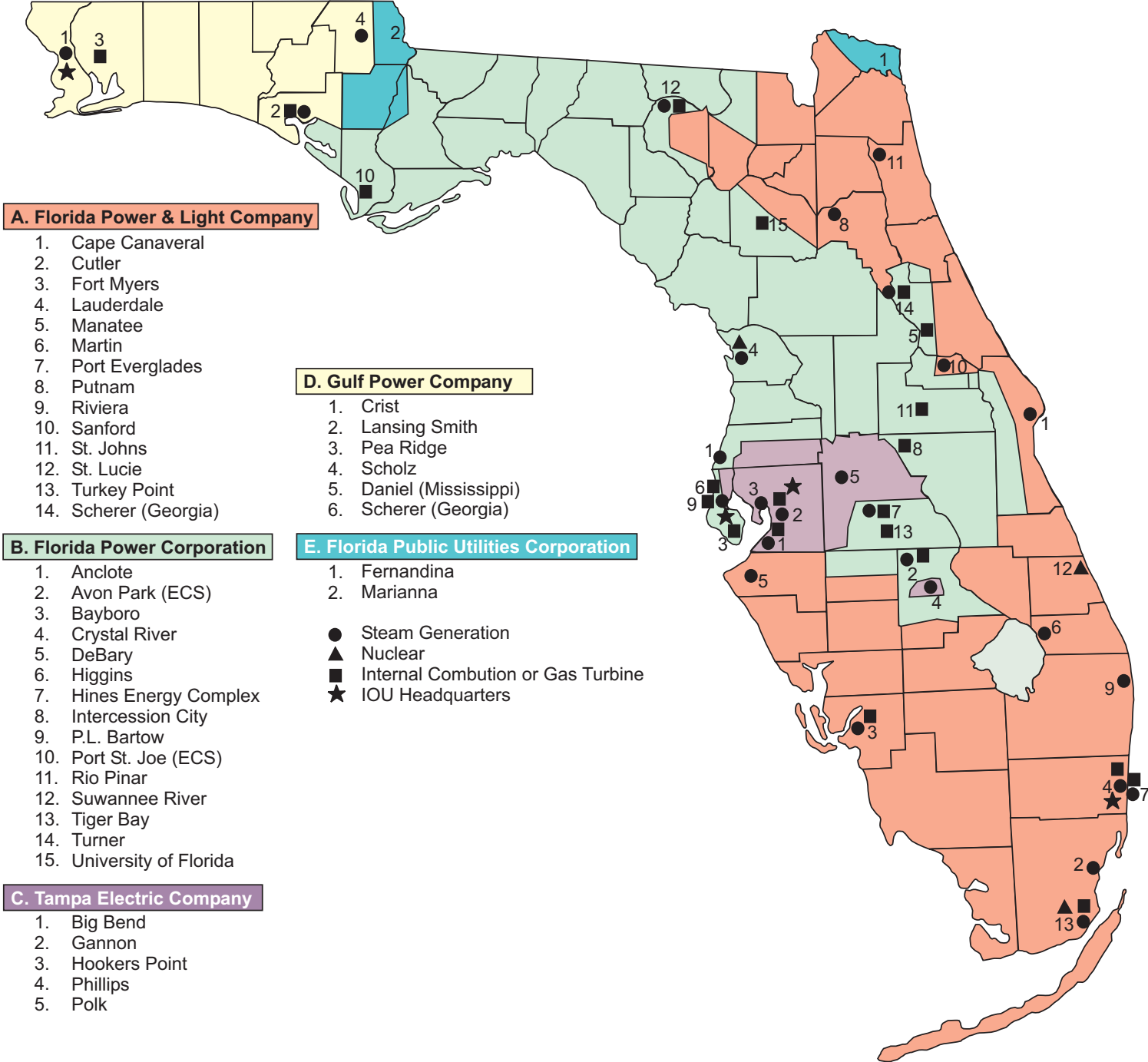




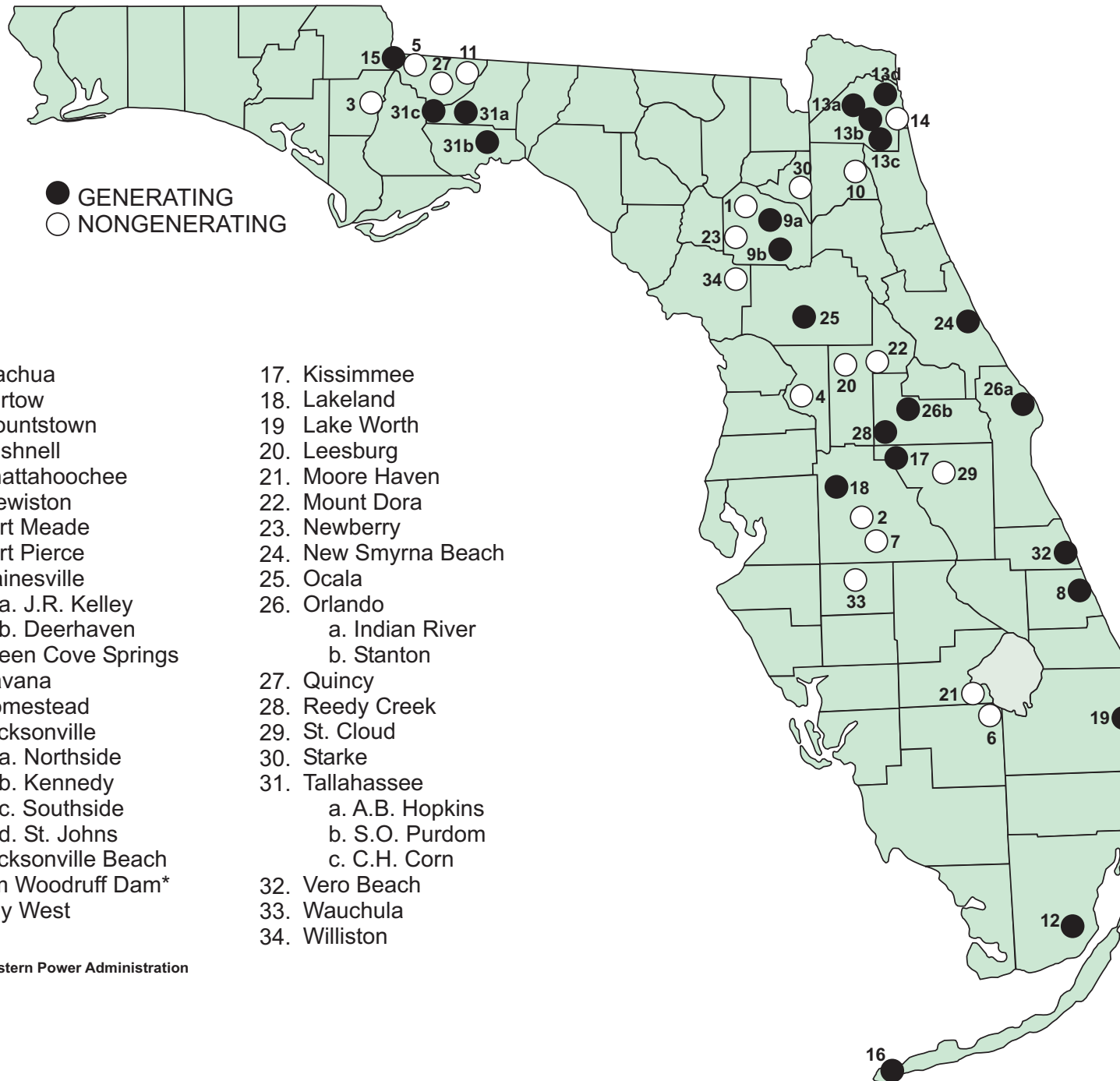
Figure 2

Privately Owned Utilities



# Figure 3

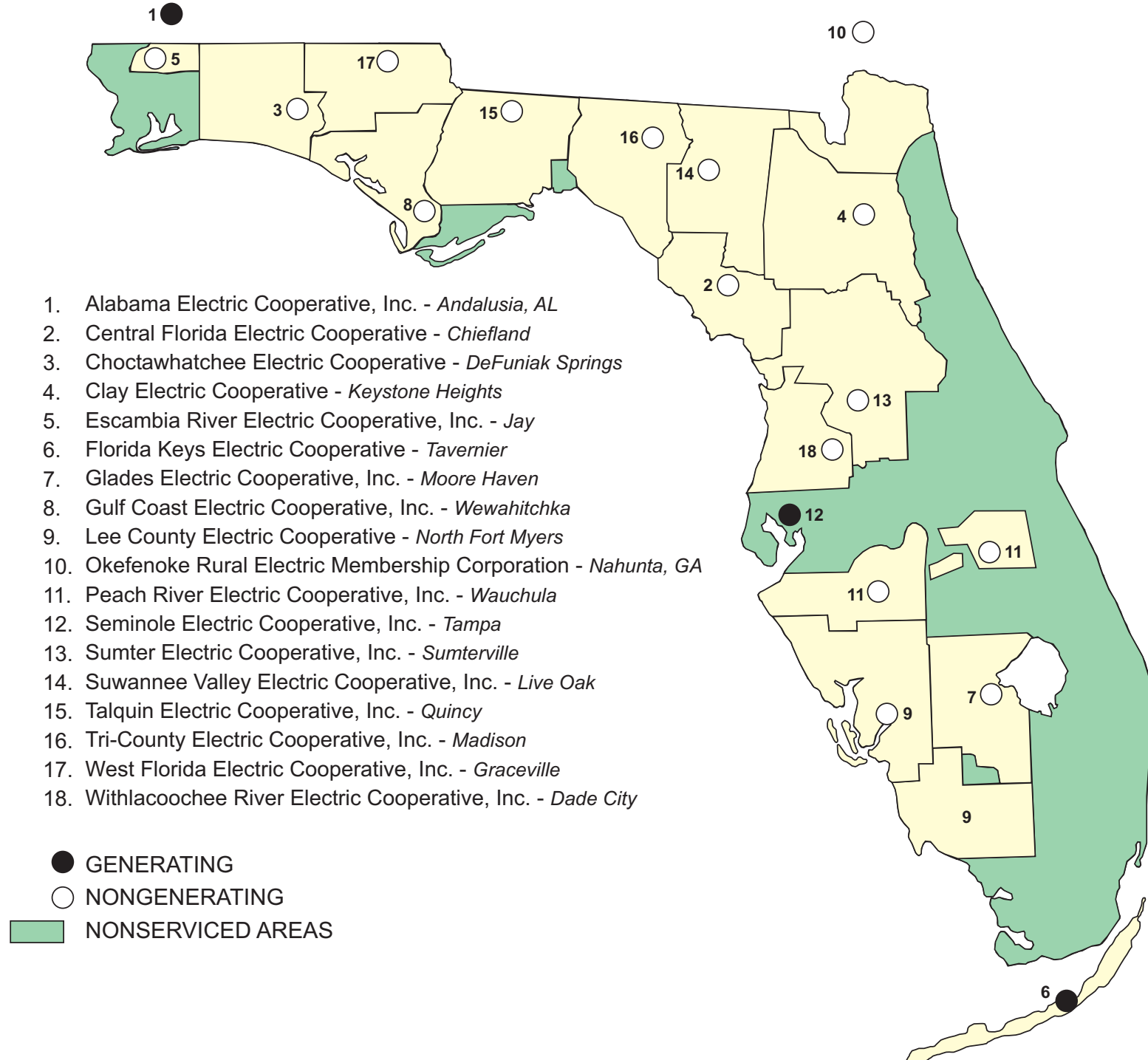
# Publically Owned Utilities



\* Southeastern Power Administration

Figure 4

# Rural Electric Cooperatives



## FLORIDA ELECTRIC UTILITY INDUSTRY

2002

### INVESTOR-OWNED SYSTEMS

Florida Power Corporation (FPC)  
Florida Power & Light Company (FPL)  
Florida Public Utilities (FPU)  
Gulf Power Company (GPC)  
Tampa Electric Company (TEC)

### GENERATING MUNICIPAL SYSTEMS

Fort Pierce Utilities Authority (FTP)  
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)  
Florida Municipal Power Agency (FMP)

### 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, City 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  
2002**

<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 Power Corporation	Alachua, Bay, Brevard, Citrus, Columbia, Dixie, Flagler, Franklin, Gadsden, Gilchrist, Gulf, Hamilton, Hardee, Hernando, Highlands, Jefferson, Lafayette, Lake, Leon, Levy, Liberty, Madison, Marion, Orange, Osceola, Pasco, Pinellas, Polk, Seminole, Sumter, Suwannee, Taylor, Volusia, Wakulla
Florida Public Utilities	Calhoun, Jackson, Liberty, Nassau
Gulf Power Company	Bay, Escambia, Holmes, Jackson, Okaloosa, Santa Rosa, Walton, Washington
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  
2002**

**UTILITY**

**COUNTY**

**MUNICIPAL SYSTEMS**

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

**RURAL ELECTRIC COOPERATIVES**

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  
1998-2002**

	1998	PERCENT CHANGE 1998-1999	1999	PERCENT CHANGE 1999-2000	2000	PERCENT CHANGE 2000-2001	2001	PERCENT CHANGE 2001-2002	2002
<b>I. NAMEPLATE CAPACITY/CAPABILITY (MW)*</b>									
<b>A. By Prime Mover</b>									
Conventional Steam	28,885	(4.9)	27,456	NA*	25,664	(8.3)	23,537	(0.8)	23,360
Internal Combustion and Gas Turbine	6,493	5.4	6,841	NA*	6,501	7.5	6,988	2.2	7,140
Combined Cycle	2,854	61.5	4,610	NA*	4,326	39.3	6,028	47.5	8,889
Hydroelectric	21	(8.6)	19	NA*	19	205.3	58	0.0	58
Steam - Nuclear	4,110	0.0	4,110	NA*	3,174	22.8	3,898	0.0	3,898
Other	-		-	NA*	114	(94.7)	6	0.0	6
<b>B. By Type of Ownership</b>									
Investor-Owned	32,094	2.7	32,969	NA*	30,535	(1.4)	30,109	5.5	31,765
Municipal and Cooperatives	10,270	(2.0)	10,068	NA*	9,263	12.3	10,406	11.3	11,586
Total Nameplate Capacity/Capability	42,363	5.6	43,037	NA*	39,684	2.1	40,515	7.0	43,351
<b>II. INTERCHANGE AND GENERATION (GWH)</b>									
<b>A. By Prime Mover</b>									
Conventional Steam	131,756	(6.5)	123,237	(3.2)	119,304	(0.9)	118,191	(8.8)	107,753
Internal Combustion and Combustion Turbine	20,981	(86.7)	2,789	41.3	3,942	42.5	5,616	10.6	6,211
Combined Cycle**	NR	-	21,958	(90.5)	22,444	2.9	23,088	74.8	40,356
Hydroelectric	295	(74.9)	74	2.5	7	214.3	22	(13.6)	19
Steam - Nuclear	28,115	13.0	31,772	(90.5)	32,555	(3.0)	31,568	6.2	33,524
<b>B. By Fuel Type (GWH)</b>									
Coal	73,184	7.1	78,413	(3.0)	76,050	(4.0)	73,005	(2.6)	71,092
Oil	46,430	(27.7)	33,550	(2.3)	32,763	6.4	34,858	(21.1)	27,494
Natural Gas	31,319	11.6	34,964	5.5	36,878	5.8	39,032	42.8	55,734
Nuclear	30,168	5.3	31,772	(90.5)	32,555	(3.0)	31,568	6.2	33,524
Hydroelectric	46	60.9	74	(90.5)	7	214.3	22	(13.6)	19
<b>C. By Type of Ownership</b>									
Investor-Owned	139,909	-	NR	-	NR	-	NR	-	NR
Municipal and Cooperatives	41,238	-	NR	-	NR	-	NR	-	NR
Total Generation	181,147	(1.3)	178,773	(0.3)	178,253	0.1	178,485	5.3	187,863
Net Interchange, Non-Utility Generators, and Other	NR		21,601	42.7	30,833	5.4	32,493	7.0	34,779
Total Net Interchange and Generation	NR		200,374	4.3	209,086	0.9	210,978	5.5	222,642
<b>III. SALES TO ULTIMATE CONSUMERS (GWH)</b>									
<b>A. By Class of Customer</b>									
Residential	95,419	(3.2)	92,386	6.8	98,655	1.2	99,811	6.6	106,445
Commercial	59,368	11.2	66,022	4.3	68,831	2.5	70,552	4.6	73,812
Industrial	26,458	(20.1)	21,132	1.1	21,368	1.2	21,620	1.9	22,040
Other	5,944	(13.6)	5,138	4.8	5,384	(4.7)	5,130	3.2	5,293
<b>B. By Type of Ownership</b>									
Investor-Owned	144,658	(0.4)	144,123	4.3	150,299	(100.0)	153,431	5.5	161,898
Municipal and Cooperatives	42,532	(4.6)	40,555	8.3	43,939	348.6	43,682	4.6	45,692
Total Sales to Ultimate Customer	187,190	(1.3)	184,678	5.2	194,238	1.5	197,113	5.3	207,590
<b>IV UTILITY USE &amp; LOSSES &amp; NET Wh. RESALE (GWH)</b>									
	18,120	(13.4)	15,696	(5.4)	14,848	(6.6)	13,865	8.6	15,052

\*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.  
\*\*Prior to 1999, combined cycle was reported with internal combustion and combustion turbine generation.

**TABLE 1 (continued)**  
**SUMMARY STATISTICS**  
**1998-2002**

	1998	PERCENT CHANGE 1998-1999	1999	PERCENT CHANGE 1999-2000	2000	PERCENT CHANGE 2000-2001	2001	PERCENT CHANGE 2001-2002	2002
V. FLORIDA POPULATION (THOUSANDS)	14,908	1.4	15,111	0.8	15,233	7.6	16,397	1.9	16,713
VI. CONSUMPTION PER CAPITA (KWH)									
A. Total Sales per Capita	12,556	(2.7)	12,221	4.3	12,751	(5.7)	12,021	3.3	12,421
B. Residential Sales per Capita	6,401	(4.5)	6,114	5.9	6,476	(6.0)	6,087	4.6	6,369
VII. NET GENERATION PER CAPITA (KWH)	12,151	9.1	13,260	3.5	13,726	(6.3)	12,867	3.5	13,321
VIII. AVERAGE ANNUAL RESIDENTIAL CONSUMPTION PER CUSTOMER (KWH)	13,993	(3.7)	13,469	2.0	13,736	0.6	13,818	4.9	14,497
IX. NUMBER OF CUSTOMERS									
By Class of Service									
Residential	6,818,933	(1.4)	6,726,568	(12.7)	5,870,199	25.0	7,335,006	1.6	7,455,225
Commercial	821,027	(1.9)	805,314	(10.0)	724,737	23.2	892,938	1.0	902,183
Industrial	36,607	(13.1)	31,798	(33.5)	21,141	70.0	35,940	31.9	47,412
Other	101,018	(45.4)	55,194	(40.5)	32,828	185.0	93,566	1.1	94,581
Total	<u>7,777,585</u>	<u>(1.6)</u>	<u>7,618,874</u>	<u>(12.7)</u>	<u>6,648,905</u>	<u>25.7</u>	<u>8,357,450</u>	<u>1.7</u>	<u>8,499,401</u>
X. CUSTOMER REVENUES									
A. By Class of Service (in Thousands)									
Residential	\$7,525,835	(7.6)	\$6,955,823	(10.6)	\$6,218,105	39.6	\$8,682,796	1.0	\$8,768,596
Commercial	3,684,867	1.7	3,745,961	(0.6)	3,722,924	25.5	4,671,712	(1.9)	4,580,867
Industrial	1,483,475	(29.7)	1,042,359	(35.0)	677,420	120.7	1,495,201	1.0	1,509,709
Other	383,985	(7.0)	357,003	(4.3)	341,665	38.1	471,932	0.2	472,945
Total	<u>\$13,078,162</u>	<u>(7.5)</u>	<u>\$12,101,146</u>	<u>(9.4)</u>	<u>\$10,960,113</u>	<u>39.8</u>	<u>\$15,321,641</u>	<u>0.1</u>	<u>\$15,332,116</u>
B. By Class of Service (as a Percentage of Total)									
Residential	57.1 %		57.5 %		56.7 %		56.7 %		57.2 %
Commercial	28.2		31.0		34.0		30.5		29.9
Industrial	11.3		8.6		6.2		9.8		9.8
Other	2.9		3.0		3.1		3.1		3.1
Total	<u>100 %</u>		<u>100 %</u>		<u>100 %</u>		<u>100 %</u>		<u>100 %</u>

SOURCES: EIA-826, 759  
FPSC Form AFAD (RRR)-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  
1998-2002

	1998	CHANGE (%) 1998-1999	1999	CHANGE (%) 1999-2000	2000	CHANGE (%) 2000-2001	2001	CHANGE (%) 2001-2002	2002
<b>AVERAGE PER BOOK RATE OF RETURN</b>									
Florida Power & Light	10.12 %	(3.66)	9.75 %	6.46	10.38 %	1.06	10.49 %	4.00	10.91 %
Florida Power Corporation	8.53	6.10	9.05	(14.25)	7.76	37.50	10.67	(7.50)	9.87
Gulf Power Company	8.16	(1.59)	8.03	1.99	8.19	(5.98)	7.70	2.21	7.87
Tampa Electric Company	8.63	1.62	8.77	4.22	9.14	(3.17)	8.85	(5.54)	8.36
<b>AVERAGE ADJUSTED RATE OF RETURN</b>									
Florida Power & Light	9.13 %	(5.59)	8.62 %	1.86	8.78 %	0.00	8.78 %	3.99	9.13 %
Florida Power Corporation	8.67	4.15	9.03	2.88	9.29	2.91	9.56	3.45	9.89
Gulf Power Company	8.03	0.87	8.10	0.37	8.13	(3.94)	7.81	1.54	7.93
Tampa Electric Company	8.66	(4.97)	8.23	4.74	8.62	1.28	8.73	1.72	8.88
<b>REQUIRED RATES OF RETURN*</b>									
Florida Power & Light	8.82 %	(8.62)	8.06 %	0.87	8.13 %	(0.74)	8.07 %	(2.48)	7.87 %
Florida Power Corporation	8.39	3.46	8.68	2.53	8.90	1.91	9.07	(1.87)	8.90
Gulf Power Company	7.63	(0.92)	7.56	0.79	7.62	(0.66)	7.57	(0.13)	7.56
Tampa Electric Company	8.21	(0.97)	8.13	2.71	8.35	(0.84)	8.28	1.21	8.38
<b>ADJUSTED JURISDICTIONAL YEAR-END</b>									
<b>RATE BASE (MILLIONS)</b>									
Florida Power & Light	\$8,722	0.47	\$8,763	4.77	\$9,181	10.48	\$10,143	0.02	\$10,145
Florida Power Corporation	3,698	(6.62)	3,453	3.34	3,568	(0.25)	3,560	5.21	3,745
Gulf Power Company	872	2.42	893	1.51	907	5.78	959	27.13	1,220
Tampa Electric Company	2,167	0.63	2,181	(2.13)	2,134	1.37	2,163	0.68	2,178

\* Average Capital Structure - Midpoint

SOURCE: December Earnings Surveillance Reports

**TABLE 3**  
**SOURCES OF REVENUE**  
**INVESTOR-OWNED ELECTRIC UTILITIES**  
**(PERCENTAGE OF TOTAL SALES)**  
**1998-2002**

	1998	CHANGE (%)	1999	CHANGE (%)	2000	CHANGE (%)	2001	CHANGE (%)	2002
<b>FLORIDA POWER &amp; LIGHT</b>									
Residential	57.36 %	(2.75)	55.78 %	0.59	56.11 %	0.01	56.11 %	1.53	56.98 %
Commercial	35.88	3.09	36.99	(0.47)	36.82	2.84	37.86	(0.95)	37.51
Industrial	3.16	0.00	3.16	(8.47)	2.89	11.58	3.23	(7.13)	3.00
Other	1.31	(2.29)	1.28	(14.35)	1.10	(17.34)	0.91	2.87	0.93
Resale	2.29	22.27	2.80	10.30	3.09	(38.85)	1.89	(15.82)	1.59
<b>TOTAL SALES (Millions)</b>	<b>\$6,097.98</b>	<b>(1.30)</b>	<b>\$6,019.01</b>	<b>3.75</b>	<b>\$6,244.43</b>	<b>19.02</b>	<b>\$7,431.97</b>	<b>(4.22)</b>	<b>\$7,118.35</b>
<b>FLORIDA POWER CORPORATION</b>									
Residential	55.67 %	(3.39)	53.78 %	(1.43)	53.01 %	0.36	53.20 %	3.47	55.05 %
Commercial	24.28	(0.17)	24.24	(0.28)	24.17	2.43	24.76	(0.34)	24.68
Industrial	7.78	(4.75)	7.41	(4.21)	7.10	(4.41)	6.78	(3.80)	6.53
Other	5.66	(1.93)	5.55	0.11	5.56	3.39	5.74	1.50	5.83
Resale	6.61	36.31	9.01	12.78	10.16	(6.44)	9.51	(16.74)	7.92
<b>TOTAL SALES (Millions)</b>	<b>\$2,335.07</b>	<b>8.81</b>	<b>\$2,540.72</b>	<b>7.46</b>	<b>\$2,730.28</b>	<b>11.26</b>	<b>\$3,037.64</b>	<b>(4.19)</b>	<b>\$2,910.25</b>
<b>GULF POWER COMPANY*</b>									
Residential	45.68 %	(5.32)	43.25 %	1.54	43.92 %	2.33	44.94 %	3.82	46.66 %
Commercial	26.62	(2.82)	25.87	(0.15)	25.83	4.11	26.89	(1.50)	26.49
Industrial	11.55	(9.00)	10.51	3.59	10.89	5.23	11.46	(0.94)	11.35
Other	0.35	(2.86)	0.34	(5.99)	0.32	12.03	0.36	0.23	0.36
Resale	15.80	26.77	20.03	(4.92)	19.05	(14.13)	16.35	(7.39)	15.15
<b>TOTAL SALES (Millions)</b>	<b>\$509.12</b>	<b>25.95</b>	<b>\$641.22</b>	<b>9.63</b>	<b>\$702.98</b>	<b>(4.74)</b>	<b>\$669.64</b>	<b>15.92</b>	<b>\$776.22</b>
<b>TAMPA ELECTRIC COMPANY</b>									
Residential	46.88 %	0.20	46.98 %	0.43	47.18 %	1.81	48.04 %	0.81	48.43 %
Commercial	27.91	4.34	29.12	(0.74)	28.90	3.08	29.79	(0.92)	29.52
Industrial	9.39	(0.94)	9.30	(11.73)	8.21	5.59	8.67	17.14	10.15
Other	7.23	1.24	7.32	(0.15)	7.31	2.59	7.50	0.54	7.54
Resale	8.59	(15.13)	7.29	15.16	8.40	(28.48)	6.00	(27.36)	4.36
<b>TOTAL SALES (Millions)</b>	<b>\$1,098.02</b>	<b>8.06</b>	<b>\$1,186.55</b>	<b>9.54</b>	<b>\$1,299.80</b>	<b>5.67</b>	<b>\$1,373.43</b>	<b>13.35</b>	<b>\$1,556.84</b>

SOURCE: FPSC Form AFAD (RRR)-4  
 FERC Form 1

**TABLE 4**  
**USES OF REVENUE**  
**INVESTOR-OWNED ELECTRIC UTILITIES**  
**(PERCENTAGE OF TOTAL OPERATING REVENUE)**  
**1998-2002**

	1998	1998-1999	1999	1999-2000	2000	2000-2001	2001	2001-2002	2002
		CHANGE (%)		CHANGE (%)		CHANGE (%)		CHANGE (%)	
<b>FLORIDA POWER &amp; LIGHT</b>									
Fuel	21.41 %	7.23	22.96 %	5.01	24.11 %	24.86	30.10 %	(4.62)	28.71 %
Other Operation and Maintenance	31.03	6.37	33.01	0.06	33.03	(4.73)	31.46	(4.62)	32.69
Depreciation and Amortization	19.63	(16.85)	16.32	(6.11)	15.32	(21.58)	12.02	(6.22)	11.27
Taxes Other Than Income Taxes	9.36	7.01	10.02	(5.54)	9.46	(1.24)	9.35	0.14	9.36
Income Taxes	5.58	(3.57)	5.38	2.08	5.49	(4.38)	5.25	9.48	5.75
Interest	3.09	(12.58)	2.70	2.45	2.77	(9.50)	2.50	(9.92)	2.26
Utility Net Operating Income Less Interest	9.90	(2.89)	9.61	2.15	9.82	(5.13)	9.31	6.98	9.96
<b>TOTAL OPERATING REVENUE (Millions)</b>	<b>\$6,365.83</b>	<b>(4.84)</b>	<b>\$6,057.49</b>	<b>5.01</b>	<b>\$6,360.80</b>	<b>17.54</b>	<b>\$7,476.65</b>	<b>(1.32)</b>	<b>\$7,378.33</b>
<b>FLORIDA POWER CORPORATION</b>									
Fuel	21.21 %	8.56	23.02 %	19.97	27.62 %	(3.33)	26.70 %	6.19	28.35 %
Other Operation and Maintenance	37.53	(2.89)	36.44	3.76	37.81	(13.38)	32.75	7.87	35.33
Depreciation and Amortization	14.30	(9.69)	12.91	(19.69)	10.37	28.19	13.29	(28.45)	9.51
Taxes Other Than Income Taxes	7.69	0.31	7.71	(4.32)	7.38	0.85	7.44	(0.72)	7.39
Income Taxes	5.30	6.88	5.66	(9.92)	5.10	15.95	5.91	1.03	5.97
Interest	4.76	(3.64)	4.59	(5.31)	4.35	(15.27)	3.68	(5.51)	3.48
Utility Net Operating Income Less Interest	9.23	4.78	9.67	(23.66)	7.38	38.53	10.23	(2.48)	9.97
<b>TOTAL OPERATING REVENUE (Millions)</b>	<b>\$2,648.23</b>	<b>(0.59)</b>	<b>\$2,632.58</b>	<b>9.82</b>	<b>\$2,891.18</b>	<b>7.01</b>	<b>\$3,093.76</b>	<b>(0.36)</b>	<b>\$3,082.73</b>
<b>TAMPA ELECTRIC COMPANY</b>									
Fuel	29.26 %	(3.69)	28.18 %	(1.90)	27.64 %	(2.49)	26.96 %	(14.96)	22.92 %
Other Operation and Maintenance	28.80	10.02	31.69	11.06	35.19	0.21	35.27	1.86	35.93
Depreciation and Amortization	12.49	(23.22)	9.59	(13.99)	8.25	21.87	10.05	63.72	16.46
Taxes Other Than Income Taxes	7.80	4.41	8.14	(10.54)	7.28	1.56	7.40	(5.00)	7.03
Income Taxes	6.11	(7.09)	5.68	6.88	6.07	(3.11)	5.88	(9.03)	5.35
Interest	4.27	29.08	5.51	(9.76)	4.97	(13.71)	4.29	(24.87)	3.22
Utility Net Operating Income Less Interest	11.27	(0.42)	11.22	(5.64)	10.59	(4.08)	10.16	(10.47)	9.09
<b>TOTAL OPERATING REVENUE (Millions)</b>	<b>\$1,247.33</b>	<b>(2.67)</b>	<b>\$1,214.00</b>	<b>11.68</b>	<b>\$1,355.81</b>	<b>4.49</b>	<b>\$1,416.73</b>	<b>12.82</b>	<b>\$1,598.30</b>
<b>GULF POWER COMPANY</b>									
Fuel	30.35 %	2.16	31.01 %	(2.60)	30.20 %	(8.40)	27.67 %	(98.11)	0.52 %
Other Operation and Maintenance	33.84	0.63	34.05	5.22	35.83	9.24	39.14	65.87	64.92
Depreciation and Amortization	9.99	(2.96)	9.89	(2.41)	9.65	0.25	9.68	(0.67)	9.61
Taxes Other Than Income Taxes	7.91	(2.92)	7.68	1.90	7.83	(2.63)	7.62	(2.38)	7.44
Income Taxes	4.34	1.50	4.41	(6.12)	4.14	(0.52)	4.12	10.30	4.54
Interest	4.89	0.90	4.93	(2.10)	4.83	(9.40)	4.37	12.16	4.90
Utility Net Operating Income Less Interest	8.68	(7.63)	8.02	(6.16)	7.53	(1.56)	7.41	8.80	8.06
<b>TOTAL OPERATING REVENUE (Millions)</b>	<b>\$650.52</b>	<b>3.62</b>	<b>\$674.10</b>	<b>5.97</b>	<b>\$714.32</b>	<b>1.52</b>	<b>\$725.20</b>	<b>13.14</b>	<b>\$820.47</b>

SOURCE: FERC Form 1

**TABLE 5**  
**PROPRIETARY CAPITAL AND LONG-TERM DEBT**  
**INVESTOR-OWNED ELECTRIC UTILITIES**  
**2002**

	FLORIDA POWER & LIGHT COMPANY	FLORIDA POWER CORPORATION	TAMPA ELECTRIC COMPANY	GULF POWER COMPANY
<b>PROPRIETARY CAPITAL (THOUSANDS)</b>				
Common Stock	\$1,373,069	\$354,405	\$119,697	\$38,060
Preferred Stock	226,250	33,497	0	4,236
Retained Earnings	294,918	969,795	189,883	161,269
Other Paid-In Capital	3,722,000	726,821	1,260,579	349,768
Other Adjustments	(8,226)	(2,653)	(558)	408
<b>TOTAL PROPRIETARY CAPITAL</b>	<u>\$5,608,010</u>	<u>\$2,081,865</u>	<u>\$1,569,601</u>	<u>\$553,741</u>
<b>LONG-TERM DEBT (THOUSANDS)</b>				
Bonds	\$2,444,989	\$1,050,865	\$1,248,840	\$55,000
Other Long-Term Debt and/or Adjustments	(11,314)	410,467	(6,220)	616,835
<b>TOTAL LONG-TERM DEBT</b>	<u>\$2,433,675</u>	<u>\$1,461,332</u>	<u>\$1,242,620</u>	<u>\$671,835</u>
<b>TOTAL PROPRIETARY CAPITAL AND LONG-TERM DEBT</b>	<u>\$8,041,685</u>	<u>\$3,543,197</u>	<u>\$2,812,221</u>	<u>\$1,225,576</u>
<b>PROPRIETARY CAPITAL</b>				
Common Stock	17.1 %	10.0 %	4.3 %	3.1 %
Preferred Stock	2.8	0.9	0.0	0.3
Retained Earnings	3.7	27.4	6.8	13.2
Other Paid-In Capital	46.3	20.5	44.8	28.5
Other Adjustments	(0.1)	(0.1)	(0.0)	0.0
<b>TOTAL PROPRIETARY CAPITAL</b>	<u>69.7 %</u>	<u>58.8 %</u>	<u>55.8 %</u>	<u>45.2 %</u>
<b>LONG-TERM DEBT</b>				
Bonds	30.4 %	29.7 %	44.4 %	4.5 %
Other Long-Term Debt and/or Adjustments	(0.1)	11.6	(0.2)	50.3
<b>TOTAL LONG-TERM DEBT</b>	<u>30.3 %</u>	<u>41.2 %</u>	<u>44.2 %</u>	<u>54.8 %</u>
<b>TOTAL PROPRIETARY CAPITAL AND LONG-TERM DEBT</b>	<u>100.0 %</u>	<u>100.0 %</u>	<u>100.0 %</u>	<u>100.0 %</u>

SOURCE: FERC Form 1

**TABLE 6**  
**FINANCIAL INTEGRITY INDICATORS**  
**INVESTOR-OWNED ELECTRIC UTILITIES**  
**1998-2002**

	1998	CHANGE (%)	1999	CHANGE (%)	2000	CHANGE (%)	2001	CHANGE (%)	2002
		1998-1999		1999-2000		2000-2001		2001-2002	
<b>TIMES INTEREST EARNED WITH AFUDC</b>									
Florida Power & Light Company	5.99 X	9.85	6.58 X	(1.67)	6.47 X	4.33	6.75 X	16.74	7.88 X
Florida Power Corporation	3.87	12.92	4.37	(12.59)	3.82	38.74	5.30	2.83	5.45
Gulf Power Company	3.83	(5.48)	3.62	(6.63)	3.38	7.69	3.64	(3.30)	3.52
Tampa Electric Company	4.90	(20.82)	3.88	11.60	4.33	9.70	4.75	9.89	5.22
<b>TIMES INTEREST EARNED WITHOUT AFUDC</b>									
Florida Power & Light Company	6.00 X	9.67	6.58 X	(1.67)	6.47 X	4.33	6.75 X	16.74	7.88 X
Florida Power Corporation	3.74	15.51	4.32	(12.27)	3.79	39.58	5.29	2.27	5.41
Gulf Power Company	3.83	(5.48)	3.62	(7.18)	3.36	1.49	3.41	0.29	3.42
Tampa Electric Company	4.90	(21.43)	3.85	11.69	4.30	6.98	4.60	1.09	4.65
<b>AFUDC AS A PERCENTAGE OF NET INCOME</b>									
Florida Power & Light Company	(0.14) %	(100.00)	0.00 %	-	0.00 %	-	0.00 %	-	0.00 %
Florida Power Corporation	5.88	(59.86)	2.36	(23.73)	1.80	(80.56)	0.35	357.14	1.60
Gulf Power Company	0.00	-	0.00	-	0.83	1,328.92	11.86	(51.77)	5.72
Tampa Electric Company	0.00	-	1.36	3.68	1.41	279.43	5.35	235.89	17.97
<b>PERCENT INTERNALLY GENERATED FUNDS</b>									
Florida Power & Light Company	109.14 %	(50.23)	54.32 %	(51.60)	26.29 %	220.81	84.34 %	(53.63)	39.11 %
Florida Power Corporation	166.60	(44.51)	92.45	(8.92)	84.20	65.24	139.13	(51.27)	67.80
Gulf Power Company	75.27	(59.88)	30.20	236.79	101.71	(94.16)	5.94	403.70	29.92
Tampa Electric Company	102.63	(47.47)	53.91	(22.43)	41.82	9.73	45.89	10.81	50.85

SOURCE: December Earnings Surveillance Reports

## **NET GENERATION**

**TABLE 7**  
**NET GENERATION BY TYPE OF OWNERSHIP\***  
**1988-2002**

YEAR	TOTAL FOR STATE (GWH)	INVESTOR-OWNED		OTHERS**	
		QUANTITY (GWH)	PERCENT OF TOTAL	QUANTITY (GWH)	PERCENT OF TOTAL
1988	124,062	98,952	79.8	25,103	20.2
1989	127,142	98,103	77.2	29,039	22.8
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	-

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

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

SOURCES: 1988-1998 EIA-759  
1988-1998 FPSC Form AFAD (RRR)-2  
1988-1998 A-Schedules  
1999-2002, Regional Load and Resource Plan - State Supplement, FRCC  
Table 8



**TABLE 8**  
**NET ENERGY FOR LOAD BY FUEL TYPE AND OTHER SOURCES\***  
**1988-2002**

YEAR	COAL		OIL		NATURAL GAS		NUCLEAR		HYDRO		SUBTOTAL		OTHER SOURCES		TOTAL
	GWH	PERCENT	GWH	PERCENT	GWH	PERCENT	GWH	PERCENT	GWH	PERCENT	GWH	PERCENT	NUG	OTHER**	
1988	56,614	45.6	26,448	21.3	14,592	11.8	26,198	21.1	210	0.2	124,062				
1989	63,744	50.1	26,150	20.6	17,417	13.7	19,814	15.6	17	0.2	127,142				
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	8,781	200,374	
2000***	76,050	42.7	32,763	18.4	36,878	20.7	32,555	18.3	7	0.0	178,253	12,461	18,372	209,086	
2001	73,005	40.9	34,858	19.5	39,032	21.9	31,568	17.7	22	0.0	178,485	13,613	18,880	210,978	
2002	71,092	37.8	27,494	14.6	55,734	29.7	33,524	17.8	19	0.0	187,863	8,570	26,209	222,642	

\*Percentages are calculated for fuel sources only.

\*\*Other includes inter-region interchange.

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

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

**TABLE 9  
INTERCHANGE AND GENERATION BY FUEL TYPE  
(GIGAWATT-HOURS)  
2002-2012**

YEAR	NET ENERGY FOR LOAD	INTER- CHANGE*	NUCLEAR	COAL	OIL	NATURAL		HYDRO	NUG**
						GAS	GAS		
2002 ***	222,642	26,209	33,524	71,092	27,494	55,734	19	8,570	
2003	226,610	29,452	31,285	80,434	26,479	51,640	15	7,305	
2004	233,500	20,380	31,894	75,101	26,788	70,150	13	9,174	
2005	240,000	19,523	31,809	77,637	23,924	79,358	13	7,736	
2006	246,819	19,315	31,920	76,420	20,568	91,384	13	7,199	
2007	252,710	20,048	31,230	76,430	19,616	97,740	13	7,633	
2008	259,074	19,426	32,414	77,632	17,654	104,169	13	7,766	
2009	264,747	17,550	30,320	78,074	16,086	115,969	13	6,735	
2010	271,088	16,389	31,770	77,739	14,364	124,278	13	6,535	
2011	277,408	16,430	31,736	78,440	15,400	128,755	13	6,634	
2012	283,830	17,659	32,103	78,339	14,591	133,901	13	7,224	

\*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)**  
**2002-2012**

YEAR	NET ENERGY FOR LOAD	INTER- CHANGE*	NUCLEAR	COAL	OIL	NATURAL			NUG**
						GAS	HYDRO		
2002 *	100.0%	11.8%	15.1%	31.9%	12.3%	25.0%	0.0%	3.8%	
2003	100.0%	13.0%	13.8%	35.5%	11.7%	22.8%	0.0%	3.2%	
2004	100.0%	8.7%	13.7%	32.2%	11.5%	30.0%	0.0%	3.9%	
2005	100.0%	8.1%	13.3%	32.3%	10.0%	33.1%	0.0%	3.2%	
2006	100.0%	7.8%	12.9%	31.0%	8.3%	37.0%	0.0%	2.9%	
2007	100.0%	7.9%	12.4%	30.2%	7.8%	38.7%	0.0%	3.0%	
2008	100.0%	7.5%	12.5%	30.0%	6.8%	40.2%	0.0%	3.0%	
2009	100.0%	6.6%	11.5%	29.5%	6.1%	43.8%	0.0%	2.5%	
2010	100.0%	6.0%	11.7%	28.7%	5.3%	45.8%	0.0%	2.4%	
2011	100.0%	5.9%	11.4%	28.3%	5.6%	46.4%	0.0%	2.4%	
2012	100.0%	6.2%	11.3%	27.6%	5.1%	47.2%	0.0%	2.5%	

\* Figures are actual.

\*\*Other includes cogeneration and small power producers.

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)**  
**1988-2002**

YEAR	HYDRO-ELECTRIC	CONVENTIONAL STEAM	NUCLEAR STEAM	COMBUSTION TURBINE	INTERNAL COMBUSTION	COMBINED CYCLE	OTHER	TOTAL*
1988	42	26,550	4,110	4,802	321	719		36,544
1989	43	26,431	4,110	4,908	333	698		36,523
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

\* 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: 1988-1998, EIA Form 759  
1988-1998, FPSC Form AFAD (RRR)-2  
1999-2002, Regional Load and Resource Plan, FRCC

**TABLE 12**  
**INSTALLED NAMEPLATE CAPACITY/SUMMER NET CAPABILITY\***  
**BY TYPE OF OWNERSHIP**  
**(MEGAWATTS)**  
**1988-2002**

YEAR	TOTAL FOR STATE	INVESTOR-OWNED		MUNICIPALS, RURAL ELECTRIC COOPERATIVES, AND OTHER	
		QUANTITY	PERCENT OF TOTAL	QUANTITY	PERCENT OF TOTAL
1988	36,544	28,200	77.17	8,344	22.83
1989	36,523	28,162	77.11	8,361	22.89
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

\*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: 1988-1998, EIA Form 759  
1988-1998, FPSC Form AFAD (RRR)-2  
1999-2002, Regional Load and Resource Plan, FRCC

**TABLE 13  
INSTALLED NAMEPLATE CAPACITY AND SUMMER NET CAPABILITY BY UTILITY (MW)\*  
1997-2001**

UTILITY	2001		2000		1999		1998		1997	
	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	16,996	15,764	16,817	15,632	16,817	15,657	16,806	15,526	16,817	15,614
Florida Power Corporation	9,179	8,026	9,007	8,018	8,749	7,711	8,244	7,176	8,244	7,183
Gulf Power Company*	1,723	1,507	1,723	1,507	1,723	1,509	1,714	1,520	1,709	1,588
Tampa Electric Company	4,115	3,622	4,127	3,628	3,932	3,467	3,932	3,448	3,932	3,508
Florida Keys Electric Co-op	25	24	22	20	22	20	22	20	18	17
Fort Pierce	142	136	142	136	142	135	142	135	142	142
Gainesville Regional Utilities	710	613	614	553	614	553	614	553	614	530
Homestead	58	58	59	59	59	59	59	59	59	52
Jacksonville	3,462	3,129	3,453	3,107	3,418	3,056	3,418	3,056	3,468	3,091
Key West	101	88	98	86	98	86	95	81	31	28
Kissimmee	235	203	235	203	235	204	235	204	235	204
Lake Worth	146	134	146	134	146	133	146	133	165	148
Lakeland	1,092	972	843	751	843	747	843	747	836	731
New Smyrna Beach	42	37	19	19	19	17	19	17	19	17
Orlando	1,302	1,203	1,302	1,203	1,302	1,204	1,941	1,812	1,867	1,780
Reedy Creek	44	34	44	34	44	35	44	35	44	35
Seminole	2,016	1,821	1,429	1,316	1,429	1,316	1,429	1,276	1,429	1,354
St. Cloud**										28
Starkie City of**										30
Tallahassee	725	662	719	662	469	432	520	478	520	478
USCE-Mobile District	30	36	30	36	30	36	30	36	30	36
Vero Beach	158	150	158	150	158	150	158	150	158	154
Alabama Electric Co-op*	11	9	11	11	11	11	11	11	11	11
Total Utility	42,309	38,227	40,998	37,264	40,259	36,536	40,421	36,472	40,379	36,727
Total Nonutility	5,174	4,586	4,748	4,252	4,721	4,404	4,057	3,679		
<b>Total State of Florida</b>	<b>47,483</b>	<b>42,814</b>	<b>45,746</b>	<b>41,516</b>	<b>44,980</b>	<b>40,940</b>	<b>44,478</b>	<b>40,151</b>		

\*Excludes generation physically outside Florida regardless of whether it serves load in Florida.  
\*\*Reported as part of Orlando in more recent years.

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**  
**2002**

COMPANY NAME	HYDRO-ELECTRIC	CONVENTIONAL STEAM	NUCLEAR STEAM	COMBUSTION TURBINE	INTERNAL COMBUSTION	COMBINED CYCLE*	OTHER	UTILITY TOTAL
Florida Power & Light Company		7,876	2,939	1,896	12	4,918		17,641
Florida Power Corporation		3,882	774	2,476		689		7,821
Gulf Power Company		2,205		44		566		2,815
Tampa Electric Company		2,794		399	34	255	6	3,488
Florida Keys Electric Co-op					27			27
Florida Municipal Power Agency		244	74	126	6	174		618
Fort Pierce		82				31		119
Gainesville Regional Utilities		334	11	153		112		610
Homestead					53			53
Jacksonville		2,257		997	2			3,256
Key West				20	32			52
Kissimmee		21	6	26	16	220		289
Lakeland		448		36	55	424		963
Lake Worth		29		26	10	30		95
New Smyrna Beach			4	44	18			66
Ocala			11					11
Orlando		754	64	207				1,025
Reedy Creek					5	38		43
Seminole		1,316	15			488		1,819
St. Cloud					21			21
Tallahassee	11	351		56		233		651
US Corps of Engineers	39							39
Vero Beach		102				48		150
Alabama Co-op	8	665		343		663		1,679
Total State of Florida Utility	58	23,360	3,898	6,849	291	8,889	6	43,351
Total Nonutility Generators**								2,881
<b>Total State of Florida</b>								<b>46,232</b>

\*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  
2002**

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>FLORIDA POWER CORPORATION</b>					
Crystal River #3**	Citrus County	Mar 1977	890,460	834	852

\*14.9% of plant capability is owned by the Orlando Utilities Commission and the Florida Municipal Power Agency

\*\*8.2% 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)**  
**2002**

UTILITIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEARLY PEAK
<b>INVESTOR-OWNED SYSTEMS</b>													
Florida Power & Light Company	17,597	13,851	15,459	16,862	18,067	18,574	19,084	19,219	19,152	18,172	17,588	14,221	19,219
Florida Power Corporation	9,045	8,295	7,818	6,712	7,450	7,700	8,388	8,109	7,761	7,243	6,336	7,337	9,045
Florida Public Utilities Company	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Gulf Power Company	2,182	2,108	2,127	1,849	2,063	2,252	2,454	2,255	2,190	2,059	1,556	1,701	2,454
Tampa Electric Company	3,612	3,236	3,068	3,302	3,500	3,459	3,634	3,442	3,474	3,304	3,012	2,992	3,634
<b>GENERATING MUNICIPAL SYSTEMS</b>													
Fort Pierce	130	103	102	109	117	118	115	115	113	98	84	90	130
Gainesville	364	285	259	298	363	386	389	409	367	334	267	280	409
Homestead	51	50	58	59	61	62	64	64	70	64	62	57	70
Jacksonville	2,607	2,391	2,343	2,078	2,290	2,456	2,530	2,488	2,312	2,212	1,992	2,233	2,607
Key West	101	102	112	119	123	128	134	134	128	130	121	110	134
Kissimmee	244	220	192	231	235	249	262	252	236	205	205	205	262
Lake Worth	73	61	68	73	76	80	86	85	84	81	78	66	86
Lakeland	659	582	536	515	524	551	576	557	526	509	448	525	659
New Smyrna Beach	88	76	72	68	73	78	81	78	75	68	58	68	88
Orlando	939	811	798	852	899	969	986	938	922	885	844	785	986
Reedy Creek	147	147	162	167	171	176	181	178	172	170	162	150	181
Starke	15	13	13	16	14	16	16	16	15	14	13	14	16
Tallahassee	510	489	500	453	490	535	580	535	524	498	391	422	580
Vero Beach	178	139	127	131	144	146	150	145	148	145	134	127	178
<b>NONGENERATING MUNICIPAL SYSTEMS</b>													
Alachua	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bartow	71	61	56	54	55	57	59	58	57	54	47	56	71
Blountstown	7	7	7	7	8	9	9	9	9	8	6	6	9
Bushnell	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chattahoochee	7	6	7	7	8	9	9	9	9	8	7	7	9
Clewiston	24	22	23	24	26	27	23	24	26	26	25	24	27
Fort Meade	13	11	9	8	9	8	9	9	9	8	8	9	13
Green Cove Springs	25	23	23	19	21	23	23	23	22	21	19	22	25
Havana	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

SOURCE: FPSC Form AFAD (RRR)-1, 3

**TABLE 16 (continued)  
MONTHLY PEAK DEMAND  
(MEGAWATTS)  
2002**

UTILITIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEARLY PEAK
<b>NONGENERATING MUNICIPAL SYSTEMS</b>													
Jacksonville Beach	189	168	159	146	155	167	173	169	152	146	123	152	189
Leesburg	94	83	79	86	90	94	97	91	91	84	73	76	97
Moore Haven	4	4	3	3	4	3	4	3	4	3	2	3	4
Mount Dora	21	14	19	18	21	21	22	21	21	19	17	16	22
Newberry	7	6	6	5	5	6	6	5	5	5	5	6	7
Ocala	277	250	246	255	271	286	295	280	273	253	213	242	295
Quincy	28	25	28	27	30	31	32	32	32	30	25	25	32
Wauchula	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Williston	6	5	5	5	7	7	7	7	7	7	6	5	7
<b>RURAL ELECTRIC COOPERATIVES</b>													
Alabama Electric	381	384	377	255	296	323	354	333	318	302	297	321	384
Central Florida	116	114	106	80	95	98	100	98	92	93	95	102	116
Choctawhatchee	150	151	150	98	118	134	147	134	130	120	114	121	151
Clay (Reported as part of Seminole)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Escambia River	43	42	42	33	34	36	39	37	37	35	35	37	43
Florida Keys	105	97	112	115	123	124	131	134	132	119	114	104	134
Glades	81	70	57	61	63	63	57	53	51	49	46	58	81
Gulf Coast	78	80	78	60	58	62	68	66	59	60	61	66	80
Lee County	682	660	579	511	553	544	570	535	568	519	373	516	682
Peace River	115	103	89	84	94	89	94	93	87	88	66	87	115
Seminole	3,566	3,329	3,065	2,499	2,820	2,887	2,951	2,925	2,769	2,707	2,463	2,935	3,566
Sumter	544	470	447	377	428	428	431	424	402	414	350	451	544
Suwanee Valley	81	62	80	55	72	77	81	81	77	71	64	70	81
Talquin	240	246	235	163	186	200	212	212	179	190	197	210	246
Tri-County	59	46	57	39	49	53	57	55	54	50	46	52	59
West Florida	104	107	104	67	78	85	94	89	82	80	87	107	107
Withlacoochee River	883	823	751	537	619	635	662	652	648	629	594	754	883
Okefenoke	16	16	16	13	13	15	15	15	14	13	13	14	16

NR = Not reported

NA = Not applicable

SOURCE: FPSC Form AFAD (RRR)-1, 3

**TABLE 17**  
**ANNUAL PEAK DEMAND**  
**SELECTED UTILITIES**  
**(MEGAWATTS)**  
**1988-2002**

UTILITY COMPANY	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Florida Power & Light	12,382	13,988	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
Florida Power Corporation	6,188	6,817	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
Gulf Power Company	NR	NR	NR	NR	NR	NR	NR	2,048	2,144	2,040	2,154	2,169	2,281	2,223	2,454
Tampa Electric Company	2,620	2,712	2,630	2,678	2,815	2,892	2,754	3,170	3,351	3,118	3,266	3,372	3,504	3,782	3,634
Fort Pierce	98	121	99	101	102	104	102	128	126	118	116	121	119	120	130
Gainesville	282	296	305	297	320	339	331	361	365	373	396	419	425	409	409
Jacksonville	1,655	2,012	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
Lake Worth	69	80	68	66	66	70	69	87	82	74	82	NR	85	88	86
Lakeland	428	508	408	440	444	457	485	538	610	552	535	649	610	655	659
Orlando	654	774	708	714	763	760	749	800	885	846	907	NR	1,058	962	986
Tallahassee	374	410	415	412	428	476	338	497	533	486	530	NR	569	521	580
Vero Beach	118	138	109	125	122	125	113	156	174	155	146	151	175	176	178

SOURCES: FPSC Form AFAD (RRR)-1, 3

**TABLE 18**  
**SUMMER AND WINTER PEAK DEMAND - PROJECTED\***  
**2003-2012**

YEAR	SUMMER PEAK (MW)	YEAR	WINTER PEAK (MW)
2003	43,830	2003-2004	46,364
2004	44,910	2004-2005	47,343
2005	45,962	2005-2006	48,577
2006	47,057	2006-2007	49,744
2007	48,162	2007-2008	50,879
2008	49,232	2008-2009	52,019
2009	50,313	2009-2010	53,170
2010	51,457	2010-2011	54,405
2011	52,640	2011-2012	55,678
2012	53,835	2012-2013	56,965

\*Net Firm Peak Demand

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

**TABLE 19**  
**LOAD FACTORS BY GENERATING UTILITIES**  
**2002**

GENERATING UTILITIES	NET ENERGY FOR LOAD (GIGAWATT-HOURS)	PEAK LOAD (MEGAWATTS)	LOAD FACTOR (PERCENTAGE)
Florida Power & Light	104,199	19,219	61.9
Florida Power Corporation	42,567	9,045	53.7
Gulf Power Company	11,874	2,454	55.2
Tampa Electric Company	18,887	3,634	59.3
Florida Keys Electric	729	134	61.9
Fort Pierce	626	130	55.0
Gainesville	1,882	409	52.5
Homestead	377	70	61.3
Jacksonville	12,910	2,607	56.5
Key West	764	134	65.2
Kissimmee	1,217	262	53.0
Lake Worth	440	86	58.6
Lakeland	3,598	659	62.3
New Smyrna Beach	0	88	0.0
Orlando	5	986	0.1
Reedy Creek	1,244	181	78.5
Seminole Electric	14,490	3,566	46.4
Starke	78	16	54.2
Tallahassee	2,753	580	54.2
Vero Beach	756	178	48.5

SOURCE: FPSC Form AFAD (RRR)-1, 3 and Table 16.

## **FUEL ANALYSIS**

**TABLE 20  
FUEL REQUIREMENTS  
1988-2002**

YEAR	COAL (THOUSANDS OF SHORT TONS)	OIL* (THOUSANDS OF BARRELS)	NATURAL GAS (BILLION CUBIC FEET)	NUCLEAR (U-235) (TRILLION BTU)
1988	23,375.6	40,349.7	127.9	4,400.0 **
1989	27,180.5	54,006.4	158.1	3,283.2 **
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

\*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**  
**2002-2012**

YEARS	COAL (THOUSANDS OF SHORT TONS)	OIL (THOUSANDS OF BARRELS)	NATURAL GAS (BILLIONS OF CUBIC FEET)	NUCLEAR (U-235) (TRILLION BTU)
2002 *	30,977	44,573	462.9	362.0
2003	33,705	41,005	470.5	329.0
2004	31,290	41,904	528.5	336.0
2005	32,257	37,478	586.3	334.0
2006	31,751	32,618	668.7	335.0
2007	31,731	41,828	713.6	329.0
2008	32,156	27,789	757.3	340.0
2009	32,292	25,242	843.3	319.0
2010	32,042	22,625	898.6	333.0
2011	32,276	24,252	932.6	333.0
2012	32,197	22,815	969.6	338.0

\*Actual figures

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

## **CONSUMPTION**

**TABLE 22**  
**MONTHLY CONSUMPTION BY CLASS OF SERVICE**  
**(MEGAWATT-HOURS)**  
**2002**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
<b>Residential</b>													
Florida Power & Light	4,001,236	3,382,773	3,238,840	3,673,551	4,333,351	4,602,477	4,524,709	5,131,896	5,147,817	4,989,744	4,275,123	3,563,408	50,864,925
Florida Power Corporation	1,616,959	1,190,155	1,253,029	1,247,686	1,655,608	1,611,396	1,780,508	1,828,668	1,894,109	1,717,827	1,543,608	1,414,265	18,753,818
Florida Public Utilities	32,788	22,245	24,409	20,149	25,273	29,633	32,838	33,822	33,853	28,661	20,872	28,527	333,070
Gulf Power Company	459,637	339,758	369,808	327,539	433,059	467,539	536,725	411,677	513,153	397,069	514,302	562,578	5,143,860
Tampa Electric Company	677,490	519,208	517,642	594,249	721,594	753,395	748,994	789,566	790,870	783,183	587,661	562,578	8,046,430
Jacksonville Electric Authority	459,839	346,032	360,994	330,434	415,418	453,570	490,452	498,774	515,960	485,576	337,524	413,912	5,108,485
Orlando Utilities Commission	137,898	111,020	106,019	115,297	143,546	158,345	148,150	169,817	182,032	158,443	136,831	116,147	1,683,545
<b>Commercial</b>													
Florida Power & Light	3,135,767	3,016,458	2,867,916	3,133,342	3,359,922	3,517,205	3,448,619	3,590,456	3,706,315	3,635,787	3,417,955	3,199,324	40,029,066
Florida Power Corporation	856,748	794,172	804,813	859,682	1,055,642	941,408	1,078,642	1,060,305	1,067,622	1,007,947	1,023,358	869,744	11,420,083
Florida Public Utilities	24,887	20,607	21,625	21,765	26,102	27,638	27,730	29,668	30,160	27,797	23,656	24,472	306,107
Gulf Power Company	232,057	252,931	253,967	298,015	321,892	335,039	352,582	351,266	339,668	308,890	268,542	238,082	3,552,931
Tampa Electric Company	451,359	422,648	411,695	482,739	514,692	527,564	520,853	527,914	533,966	538,119	468,881	431,187	5,831,617
Jacksonville Electric Authority	288,205	261,589	259,433	278,585	332,829	339,158	347,618	352,506	366,438	358,481	298,242	289,287	3,772,371
Orlando Utilities Commission*	21,421	19,914	18,891	22,443	26,307	27,409	25,000	27,572	29,376	25,572	23,642	18,142	285,689
<b>Industrial</b>													
Florida Power & Light	430,859	341,930	321,438	343,788	334,411	358,581	336,601	336,635	338,104	319,411	327,155	343,807	4,132,720
Florida Power Corporation	270,326	319,237	292,918	310,258	372,027	311,167	344,323	312,198	326,118	315,168	322,551	338,771	3,835,062
Florida Public Utilities	8,140	8,190	7,950	7,230	8,290	7,810	8,720	7,800	8,400	10,650	7,660	8,910	99,750
Gulf Power Company	138,901	148,115	157,000	179,827	193,584	186,137	194,942	185,557	180,586	184,554	154,281	150,184	2,053,668
Tampa Electric Company	192,805	201,311	206,009	222,089	245,681	228,238	223,650	206,928	223,939	219,887	222,824	218,612	2,611,973
Jacksonville Electric Authority	235,228	215,052	214,836	226,508	232,787	259,049	250,193	248,457	263,215	255,661	234,235	227,651	2,862,872
Orlando Utilities Commission*	195,561	206,174	208,851	194,591	269,166	253,542	232,295	295,899	282,432	236,423	263,938	208,031	2,846,903
<b>Other</b>													
Florida Power & Light	43,979	49,954	39,528	53,964	47,527	48,673	43,000	52,135	46,703	50,542	47,987	47,695	571,687
Florida Power Corporation	210,707	206,942	203,162	221,761	253,760	239,371	239,189	249,563	270,972	263,960	264,183	226,817	2,850,387
Florida Public Utilities	363	335	351	382	459	459	464	442	399	391	341	326	4,712
Gulf Power Company	1,796	1,775	1,804	1,800	1,794	1,814	1,787	1,783	1,785	1,785	1,786	1,787	21,496
Tampa Electric Company	105,830	103,287	102,776	116,588	124,149	123,457	119,739	124,962	137,315	140,619	123,434	112,969	1,435,125
Jacksonville Electric Authority	44,878	39,742	39,523	43,254	47,009	47,273	56,965	51,536	52,128	48,610	37,552	48,622	557,092
Orlando Utilities Commission	226,438	160,693	144,005	259,503	237,790	150,234	191,991	119,887	228,316	226,646	188,199	245,570	2,379,272
<b>Total</b>													
Florida Power & Light	7,611,841	6,791,115	6,467,722	7,204,645	8,075,211	8,526,936	8,352,929	9,111,122	9,238,939	8,995,484	8,068,220	7,154,234	95,598,398
Florida Power Corporation	2,954,740	2,510,506	2,553,922	2,639,387	3,337,037	3,103,342	3,442,662	3,450,734	3,558,821	3,304,902	3,153,700	2,849,597	36,859,350
Florida Public Utilities	66,178	51,377	54,335	49,526	60,124	65,540	69,752	71,732	72,812	67,499	52,529	62,235	743,639
Gulf Power Company	832,391	742,579	782,579	807,512	950,329	1,018,032	1,116,850	1,075,331	1,014,504	906,906	737,762	787,122	10,771,897
Tampa Electric Company	1,427,484	1,246,454	1,238,122	1,415,665	1,606,116	1,632,654	1,613,236	1,649,370	1,686,090	1,681,808	1,402,800	1,325,346	17,925,145
Jacksonville Electric Authority	1,028,150	862,415	874,786	878,781	1,028,043	1,099,050	1,145,228	1,151,273	1,197,741	1,148,328	907,553	979,472	12,300,820
Orlando Utilities Commission	581,318	497,801	477,766	591,834	676,809	589,530	597,436	613,175	722,156	647,084	612,610	587,890	7,195,409

SOURCE: FPSC Form AFAD (RRR)-4

**TABLE 23**  
**CONSUMPTION BY CLASS OF SERVICE BY UTILITY**  
**(MEGAWATT-HOURS)**  
**2002**

UTILITIES	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL
Florida Power & Light	50,864,925	40,029,066	4,132,720	571,687	95,598,398
Florida Power Corporation	18,753,818	11,420,083	3,835,062	2,850,387	36,859,350
Florida Public Utilities	333,070	306,107	99,750	4,712	743,639
Gulf Power Company	5,143,802	3,552,931	2,053,668	21,496	10,771,897
Tampa Electric Company	8,046,430	5,831,617	2,611,973	1,435,125	17,925,145
Alachua	NR	NR	NR	NR	NR
Bartow	140,825	26,054	126,449	10,100	303,428
Blountstown	11,802	26,036	0	1,803	39,641
Bushnell	NR	NR	NR	NR	NR
Central Florida Co-op	337,090	37,158	16,758	50,364	441,371
Chattahoochee	13,039	4,820	26,509	1,551	45,919
Choctawhatchee Co-op	449,577	73,767	78,083	128	601,555
Clay Co-op	1,967,925	230,935	579,189	4,299	2,782,347
Clewiston	52,929	6,759	65,020	950	125,658
Escambia River Co-op	128,931	33,799	0	522	163,252
Florida Keys Co-op	375,378	108,839	163,746	31,405	679,368
Fort Meade	29,089	808	10,100	404	40,402
Fort Pierce	236,453	343,301	0	10,678	590,432
Gainesville	802,975	191,756	677,724	23,237	1,695,692
Glades Co-op	146,081	20,423	79,780	75,297	321,580
Green Cove Springs	35,286	11,550	52,365	2,609	101,810
Gulf Coast Co-op	238,900	0	51,878	2,658	293,436
Havana	NR	NR	NR	NR	NR
Homestead	178,886	30,567	117,684	15,035	342,173
Jacksonville	5,108,485	3,772,371	2,862,872	557,092	12,300,820
Jacksonville Beach	443,765	93,660	168,084	13,230	718,739
Key West	326,254	72,494	319,500	4,245	722,494
Kissimmee	596,127	163,200	384,320	10,236	1,153,882
Lake Worth	227,439	75,597	79,806	8,640	391,483
Lakeland	1,391,549	226,191	984,707	99,959	2,702,406
Lee County Co-op	1,971,212	165,020	761,436	11,473	2,909,141
Leesburg	208,782	63,027	204,674	790	477,273
Moore Haven	10,320	1,932	5,165	330	17,748
Mount Dora	52,780	16,527	18,836	5,851	93,994
New Smyrna Beach	224,795	48,517	80,016	2,959	356,287
Newberry	12,337	1,587	5,109	6,092	25,126
Ocala	488,303	127,769	590,748	32,714	1,239,535
Okefenoke*	135,580	9,622	4,588	2,983	152,773
Orlando	1,683,545	285,689	2,846,903	2,379,272	7,195,409
Peace River Co-op	308,368	56,201	83,284	607	448,461
Quincy	46,945	35,830	68,251	4,544	155,571
Reedy Creek	151	6,151	1,113,086	4,665	1,124,053
Seminole Co-op	0	0	0	0	0
Starke	26,028	42,769	0	0	68,797
Sumter Co-op	1,429,198	138,185	371,464	1,157	1,940,004
Suwannee Valley Co-op	283,832	30,459	27,630	288	342,209
Tallahassee	1,047,942	196,552	613,719	729,731	2,587,945
Talquin Co-op	693,844	6,766	208,904	15,723	925,238
Tri-County Co-op	158,936	24,693	41,676	1,510	226,815
Vero Beach	353,762	88,309	234,563	17,501	694,135
Wauchula	NR	NR	NR	NR	NR
West Florida Co-op	313,413	13,370	20,054	22,105	368,941
Williston	11,010	6,457	12,231	932	30,630
Withlacoochee Co-op	2,237,966	613,725	230,181	13,529	3,095,402
Respondent Total**	108,079,879	68,669,047	27,120,270	9,062,608	212,931,803
FRCC State Total					207,590,000

\*Okefenoke sells power in Florida and Georgia; 2002 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: FPSC Form AFAD (RRR)-1.4.  
Regional Load and Resource Plan, State Supplement, FRCC.

**TABLE 24**  
**AVERAGE ANNUAL CONSUMPTION BY CLASS OF SERVICE BY UTILITY**  
**(KILOWATT-HOURS)**  
**2002**

UTILITIES	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL
Florida Power & Light	14,445	91,953	266,026	205,022	24,050
Florida Power Corporation	14,409	75,842	1,513,143	134,874	24,977
Florida Public Utilities	14,974	76,594	54,409,091	190,384	28,312
Gulf Power Company	15,510	72,304	7,552,564	45,526	28,234
Tampa Electric Company	15,517	90,182	2,755,488	237,905	30,371
Alachua	NR	NR	NR	NR	NR
Bartow	16,521	25,271	400,155	74,815	30,325
Blountstown	11,802	87,960	0	64,376	29,940
Bushnell	NR	NR	NR	NR	NR
Central Florida Co-op	12,364	22,237	266,005	108,778	14,982
Chattahoochee	12,062	34,431	5,301,795	25,012	35,651
Choctawhatchee Co-op	14,818	18,799	587,088	32,000	17,487
Clay Co-op	15,398	17,400	909,245	9,365	19,570
Clewiston	15,928	15,053	439,324	6,463	30,897
Escambia River Co-op	15,316	35,578	0	23,712	17,386
Florida Keys Co-op	14,855	23,614	400,358	82,645	22,152
Fort Meade	11,636	4,040	673,365	26,935	14,799
Fort Pierce	11,228	98,963	0	0	23,336
Gainesville	10,876	24,657	665,087	8,077	19,833
Glades Co-op	13,232	18,235	28,781	15,059,400	21,529
Green Cove Springs	13,767	24,367	494,009	260,900	32,290
Gulf Coast Co-op	14,279	0	46,611	18,085	16,310
Havana	NR	NR	NR	NR	NR
Homestead	12,793	18,481	334,330	161,670	21,277
Jacksonville	15,392	101,123	14,744,405	161,305	32,992
Jacksonville Beach	16,986	20,030	488,615	139,264	23,006
Key West	13,795	25,580	464,390	2,423	24,978
Kissimmee	14,400	23,577	504,357	ERR	23,509
Lake Worth	10,828	24,037	814,350	50,823	16,033
Lakeland	15,241	23,638	765,118	9,452	23,972
Lee County Co-op	14,113	12,948	251,631	56,798	18,691
Leesburg	13,162	22,894	535,796	37,619	25,095
Moore Haven	12,214	18,760	286,964	14,343	17,945
Mount Dora	11,968	23,849	362,235	4,600	14,625
New Smyrna Beach	11,736	27,980	762,059	3,618	16,335
Newberry	13,723	16,536	164,818	79,120	22,780
Ocala	13,145	19,754	528,871	13,844	26,319
Okefenoke**	16,988	21,968	4,588,040	51,425	18,020
Orlando	12,817	18,008	595,628	74,424	39,113
Peace River Co-op	14,057	13,391	626,199	21,669	17,055
Quincy	12,203	43,695	2,201,646	68,855	32,655
Reedy Creek	16,759	18,417	1,336,237	145,796	930,508
Seminole Co-op	NR	NR	NR	NR	NR
Starke	13,361	65,296	0	0	26,430
Sumter Co-op	13,658	12,581	677,855	41,316	16,695
Suwannee Valley Co-op	14,403	19,791	727,111	3,646	16,020
Tallahassee	12,904	19,732	316,350	149,627	26,411
Talquin Co-op	15,305	8,652	67,541	15,723,191	18,801
Tri-County Co-op	11,207	16,192	541,247	12,906	14,264
Vero Beach	13,598	20,739	467,257	55,915	22,327
Wauchula	NR	NR	NR	NR	NR
West Florida Co-op	13,722	5,738	222,827	42,024	14,308
Williston	11,132	28,198	313,615	12,595	23,013
Withlacoochee Co-op	14,936	42,361	4,513,362	46,332	18,797
Respondent Average	14,497	76,114	572,013	95,818	25,053

NR=Not Reported

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

SOURCES: Tables 23 and 33 (FPSC Form AFAD (RRR)-1,4)

**TABLE 25**  
**SALE FOR RESALE ACTIVITY BY SELECTED UTILITY**  
**(MEGAWATT-HOURS)**  
**2002**

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	3,027,902	95,522,888	98,550,790	252,325	3.07
Florida Power Corporation	4,179,607	36,859,350	41,038,957	348,301	10.18
Florida Public Utilities	0	743,639	743,639	0	0.00
Gulf Power Company	3,876,981	10,771,897	14,648,878	323,082	26.47
Tampa Electric Company	1,084,602	17,925,145	19,009,747	90,384	5.71
Alabama Electric Cooperative*	1,533,152	0	1,533,152	127,763	100.00
Gainesville	124,552	1,695,692	1,820,244	10,379	6.84
Jacksonville	662,898	12,300,819	12,963,717	55,242	5.11
Lake Worth	17,280	391,483	408,763	1,440	4.23
Lakeland	452,076	2,702,406	3,154,482	37,673	14.33
New Smyrna Beach	46,268	356,287	402,555	3,856	11.49
Orlando	2,231,934	4,963,474	7,195,408	185,995	31.02
Reedy Creek	57,644	1,124,053	1,181,697	4,804	4.88
Seminole Electric Cooperative**	14,171,093	0	14,171,093	1,180,924	100.00
Suwannee Valley Co-op	5,995	342,209	348,204	500	1.72
Tallahassee	68,836	2,587,945	2,656,781	5,736	2.59
Talquin Electric Cooperative	0	925,238	925,238	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

FPSC Form AFAD (RRR)-1,4

**TABLE 26**  
**CONSUMPTION BY UTILITY**  
**(MEGAWATT-HOURS)**  
**1998-2002**

UTILITIES	1998	1999	2000	2001	2002
Florida Power & Light	85,130,914	84,601,566	87,969,473	90,294,066	95,598,398
Florida Power Corporation	33,386,610	33,441,029	34,831,932	35,262,905	36,859,350
Florida Public Utilities	711,205	716,494	746,849	724,395	743,639
Gulf Power Company	9,402,018	9,559,183	10,112,966	10,173,246	10,771,897
Tampa Electric Company	16,027,356	15,804,961	16,637,860	16,976,047	17,925,145
Alachua	64,313	62,431	67,962	72,669	NR
Bartow	275,895	273,288	273,089	270,869	303,428
Blountstown	34,924	34,977	37,494	16,938	39,641
Bushnell	28,769	23,103	22,362	27,514	NR
Central Florida	358,020	373,077	398,447	409,956	441,371
Chattahoochee	48,894	48,059	45,184	43,753	45,919
Choctawhatchee	487,441	495,492	545,067	545,928	601,555
Clay	2,246,527	2,289,540	2,482,580	2,604,099	2,782,347
Clewiston	116,134	116,325	119,393	127,028	125,658
Escambia River	145,027	145,614	158,404	151,767	163,252
Florida Keys	624,734	614,717	NR	638,748	679,368
Fort Meade	40,296	NR	41,065	40,723	40,402
Fort Pierce	541,111	552,308	572,416	572,466	590,432
Gainesville	1,595,283	1,606,155	1,655,687	1,695,692	1,695,692
Glades	279,393	NR	300,197	305,263	321,580
Green Cove Springs	123,344	125,962	107,341	100,438	101,810
Gulf Coast	247,472	245,046	267,735	267,416	293,436
Havana	22,000	21,834	23,303	22,765	NR
Homestead	299,156	307,758	318,923	324,917	342,173
Jacksonville	11,028,073	11,235,788	11,587,856	11,961,105	12,300,820
Jacksonville Beach	NR	650,070	678,867	703,005	718,739
Key West	631,405	632,750	663,591	674,731	722,494
Kissimmee	1,005,833	NR	1,065,354	1,094,880	1,153,882
Lake Worth	383,129	NR	368,453	375,492	391,483
Lakeland	2,432,126	2,463,295	2,542,870	2,565,778	2,702,406
Lee County	2,479,850	2,485,399	2,620,680	2,727,917	2,909,141
Leesburg	433,473	428,715	439,611	450,899	477,273
Moore Haven	16,983	15,941	16,797	16,655	17,748
Mount Dora	86,613	81,518	NR	NR	93,994
New Smyrna Beach	340,930	340,606	340,632	341,017	356,287
Newberry	31,707	31,956	NR	NR	25,126
Ocala	1,148,524	1,153,211	1,214,572	1,216,919	1,239,535
Okefenoke*	128,528	132,725	138,611	141,384	152,773
Orlando Utilities	4,424,495	NR	5,035,886	5,218,750	7,195,409
Peace River	343,477	353,371	384,846	408,961	448,461
Quincy	162,359	NR	NR	152,848	155,571
Reedy Creek	1,068,271	NR	1,101,913	1,100,380	1,124,053
Starke	65,841	64,623	60,899	65,510	68,797
Sumter	1,456,527	1,530,635	1,679,416	1,727,520	1,940,004
Suwannee Valley	288,279	296,455	311,861	318,268	342,209
Tallahassee	2,348,928	NR	2,441,138	2,431,013	2,587,945
Talquin	818,747	814,166	859,516	872,490	925,238
Tri-County	190,298	194,155	203,897	207,784	226,815
Vero Beach	658,811	644,526	677,162	690,445	694,135
Wauchula	61,648	60,548	62,088	NR	NR
West Florida	328,119	327,817	347,519	348,291	368,941
Williston	29,840	28,490	29,944	28,945	30,630
Withlacoochee	2,560,502	2,589,529	2,796,003	2,854,674	3,095,402
Respondent Total**	187,190,152	178,015,208	195,164,713	200,365,268	212,931,803
FRCC State Total	181,429,000	184,678,000	194,238,000	197,113,000	207,590,000

\*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**  
**1993-2002**

YEAR		RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER PUBLIC AUTHORITIES*	TOTAL
1993	Consumption (GWH)	74,201	50,514	18,554	5,404	148,673
	Change from prior year	5.1%	4.7%	-1.4%	2.7%	4.0%
1994	Consumption (GWH)	77,879	53,003	18,872	5,572	155,326
	Change from prior year	5.0%	4.9%	1.7%	3.1%	4.5%
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	21,132	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%

\*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, FRCC



**TABLE 28**  
**CONSUMPTION AS A PERCENTAGE OF TOTAL BY CLASS OF SERVICE**  
**1988-2002**

YEAR	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER
1988	49.14%	33.31%	14.42%	3.13%
1989	49.33	33.08	14.40	3.19
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

SOURCES: Table 23.

## **REVENUES**

**TABLE 29**  
**MONTHLY REVENUES BY CLASS OF SERVICE BY SELECT UTILITY**  
**(IN THOUSANDS)**  
**2002**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
<b>Residential</b>													
Florida Power & Light	\$313,632	\$290,521	\$278,192	\$302,263	\$344,767	\$320,110	\$360,407	\$409,335	\$410,547	\$397,661	\$342,550	\$285,737	\$4,055,731
Florida Power Corporation	145,817	110,624	115,726	115,509	137,231	132,969	147,702	151,627	156,996	142,458	128,098	117,329	1,602,086
Florida Public Utilities	2,037	1,445	1,566	1,325	1,613	1,855	2,051	2,091	2,092	1,803	1,366	1,798	21,042
Gulf Power Company	29,376	22,720	24,938	22,562	29,108	35,493	40,435	38,406	35,151	30,279	23,093	30,605	362,166
Tampa Electric Company	63,427	49,722	49,589	56,240	67,238	69,985	69,588	73,100	73,250	72,582	55,666	53,549	753,936
Jacksonville Electric Authority	31,446	24,109	25,073	23,160	28,595	31,057	33,430	33,931	35,078	33,120	23,588	28,526	351,112
Orlando Utilities Commission	10,952	8,693	9,121	9,185	10,732	12,813	11,976	13,340	14,836	13,537	11,034	9,445	135,664
<b>Commercial</b>													
Florida Power & Light	\$223,501	\$217,376	\$209,545	\$218,337	\$223,107	\$192,975	\$227,236	\$235,651	\$241,943	\$238,707	\$227,500	\$213,882	\$2,669,759
Florida Power Corporation	57,610	53,895	54,903	57,809	64,809	57,579	65,423	64,376	64,847	61,496	62,582	52,810	718,139
Florida Public Utilities	1,333	1,155	1,212	1,195	1,385	1,457	1,463	1,558	1,583	1,476	1,277	1,308	16,402
Gulf Power Company	13,258	14,539	15,049	16,694	17,344	19,529	19,862	20,291	19,079	18,300	15,862	15,799	205,606
Tampa Electric Company	35,738	33,858	33,186	37,959	40,410	41,145	40,711	41,301	41,657	41,955	37,270	34,379	459,569
Jacksonville Electric Authority	15,901	14,618	14,573	15,373	18,120	18,537	18,801	19,119	19,734	19,283	16,470	15,949	206,480
Orlando Utilities Commission	1,700	1,527	1,600	1,751	1,929	2,193	1,993	2,140	2,380	2,166	1,873	1,463	22,715
<b>Industrial</b>													
Florida Power & Light	\$19,671	\$19,244	\$18,195	\$18,826	\$17,683	\$14,616	\$17,694	\$17,755	\$17,583	\$16,831	\$17,196	\$18,046	\$213,342
Florida Power Corporation	14,290	16,220	15,221	16,407	17,929	15,729	16,841	14,638	15,701	15,358	15,467	16,158	189,959
Florida Public Utilities	245	263	289	237	240	283	295	247	307	397	394	316	3,513
Gulf Power Company	5,548	5,850	6,524	7,373	8,196	8,231	8,592	8,349	7,989	8,086	6,730	6,633	88,101
Tampa Electric Company	11,367	11,701	12,308	14,592	14,316	14,258	13,183	12,187	13,894	14,437	13,229	12,593	158,065
Jacksonville Electric Authority	9,630	8,812	8,372	8,760	9,053	10,032	9,733	9,629	10,041	9,683	9,127	8,856	111,728
Orlando Utilities Commission	11,547	11,034	12,802	11,275	13,855	14,599	13,454	16,204	16,055	15,254	14,001	11,491	161,571
<b>Other</b>													
Florida Power & Light	\$5,365	\$5,691	\$5,004	\$5,932	\$5,505	\$5,151	\$5,217	\$6,452	\$5,308	\$5,535	\$5,650	\$5,545	\$66,355
Florida Power Corporation	13,432	13,228	13,052	13,954	14,819	13,824	13,746	14,471	15,586	15,251	15,346	12,990	169,699
Florida Public Utilities	31	29	29	32	35	35	36	34	32	31	32	24	380
Gulf Power Company	209	208	211	210	210	233	251	251	251	251	251	250	2,786
Tampa Electric Company	8,853	8,662	8,659	9,526	10,102	10,014	9,621	10,163	11,016	11,215	10,165	9,376	117,372
Jacksonville Electric Authority	1,861	1,717	1,727	1,680	1,828	1,874	2,095	1,950	1,941	1,854	1,599	1,860	21,987
Orlando Utilities Commission	10,547	7,439	8,239	13,625	11,600	8,739	9,689	10,107	16,165	13,325	9,558	11,320	130,353
<b>Total</b>													
Florida Power & Light	\$562,169	\$532,831	\$510,936	\$545,357	\$591,063	\$532,852	\$610,554	\$669,193	\$675,381	\$658,734	\$592,896	\$523,211	\$7,005,177
Florida Power Corporation	231,149	193,967	198,902	203,679	234,788	220,101	243,712	245,112	253,130	234,563	221,493	199,287	2,679,883
Florida Public Utilities	3,646	2,892	3,096	2,789	3,273	3,630	3,845	3,930	4,014	3,707	3,069	3,446	41,337
Gulf Power Company	48,391	43,317	46,722	46,839	54,858	63,486	69,140	67,297	62,470	56,916	45,936	53,287	658,659
Tampa Electric Company	119,385	103,943	103,742	118,317	132,066	135,402	133,103	136,751	139,817	140,189	116,330	109,897	1,488,942
Jacksonville Electric Authority	58,838	49,256	49,745	48,973	57,596	61,500	64,060	64,629	66,794	63,941	50,784	55,191	691,306
Orlando Utilities Commission	34,746	28,693	31,762	35,836	38,116	38,344	37,112	41,791	49,436	44,282	36,466	33,719	450,303

SOURCE: FPSC Form AFAD (RRR)-4

**TABLE 30**  
**CUSTOMER REVENUES BY CLASS OF SERVICE**  
**(IN THOUSANDS)**  
**1988-2002**

YEAR	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER PUBLIC AUTHORITIES*	TOTAL
1988	4,993,880	2,910,309	997,402	277,514	9,179,105
1989	5,279,887	3,009,559	1,097,216	362,259	9,748,921
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	6,218,105	3,722,924	677,420	341,665	10,960,113
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

\*Other includes Street and Highway Lighting and Interdepartmental

SOURCES: FPSC Form AFAD (RRR)-1

**TABLE 31**  
**CUSTOMER REVENUES AS A PERCENTAGE OF TOTAL BY CLASS OF SERVICE**  
**1988-2002**

YEAR	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER PUBLIC AUTHORITIES*
1988	54.8	31.3	10.9	3.0
1989	54.2	30.9	11.3	3.7
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	56.7	34.0	6.2	3.1
2001	56.7	30.5	9.8	3.1
2002	57.2	29.9	9.8	3.1

\*Other includes Street and Highway Lighting and Interdepartmental

SOURCE: Table 30.

**NUMBER OF CUSTOMERS**

TABLE 32  
MONTHLY NUMBER OF CUSTOMERS BY CLASS OF SERVICE BY SELECT UTILITY  
2002

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MONTHLY AVERAGE
Residential													
Florida Power & Light	3,530,915	3,544,034	3,016,458	3,560,729	3,557,223	3,557,802	3,562,958	3,570,000	3,574,769	3,582,617	3,593,624	3,605,163	3,521,358
Florida Power Corporation	1,303,326	1,304,745	1,296,839	1,239,728	1,353,544	1,236,677	1,335,895	1,298,532	1,314,767	1,263,182	1,380,145	1,290,805	1,301,515
Florida Public Utilities	22,099	22,084	22,174	22,151	22,235	22,317	22,313	22,310	22,377	22,242	22,296	22,314	22,243
Gulf Power Company	327,918	328,843	329,409	330,165	331,286	331,713	332,487	333,339	333,224	333,682	333,816	333,757	331,637
Tampa Electric Company	515,316	516,794	517,223	517,470	516,759	517,131	517,766	518,241	519,191	520,239	522,138	524,378	518,554
Jacksonville Electric Authority	328,307	328,228	329,806	331,277	332,353	333,134	333,602	327,049	334,429	334,709	334,322	335,460	331,890
Orlando Utilities Commission	129,745	130,055	130,472	130,590	130,845	131,250	131,507	131,989	132,186	132,361	132,546	132,678	131,352
Commercial													
Florida Power & Light	430,859	431,822	432,661	433,727	434,435	435,109	435,908	437,284	437,256	437,180	438,371	439,254	433,322
Florida Power Corporation	148,985	149,507	148,898	142,729	157,664	143,133	154,753	152,268	152,284	146,573	160,058	150,070	150,577
Florida Public Utilities	3,978	3,964	3,972	3,961	3,981	3,981	3,998	4,031	4,028	4,017	4,024	4,023	3,997
Gulf Power Company	48,747	48,855	48,970	49,016	48,987	49,043	49,079	49,304	49,385	49,375	49,494	49,411	49,139
Tampa Electric Company	64,045	64,217	64,035	64,477	64,604	64,612	64,777	64,835	64,903	65,045	65,138	65,294	64,665
Jacksonville Electric Authority	37,073	36,890	37,136	37,227	37,283	37,353	37,443	36,948	37,578	37,537	37,532	37,658	37,305
Orlando Utilities Commission	15,800	15,790	15,851	15,882	15,847	15,848	15,881	15,898	15,903	15,947	15,858	15,868	15,864
Industrial													
Florida Power & Light	15,194	15,297	15,300	15,167	15,297	15,390	15,012	15,102	15,867	16,163	16,254	16,377	15,535
Florida Power Corporation	2,570	2,520	2,499	2,374	2,676	2,420	2,575	2,552	2,517	2,472	2,693	2,546	2,535
Florida Public Utilities	0	2	2	2	2	2	2	2	2	2	2	2	2
Gulf Power Company	270	264	263	268	269	270	277	277	276	274	274	281	272
Tampa Electric Company	885	893	903	908	909	929	940	953	968	1,013	1,024	1,050	948
Jacksonville Electric Authority	198	197	194	195	193	195	200	189	194	192	190	193	194
Orlando Utilities Commission	4,626	4,641	4,655	4,661	4,649	4,702	4,712	4,767	4,825	4,909	5,089	5,120	4,780
Other													
Florida Power & Light	2,747	2,756	2,762	2,774	2,783	2,785	2,794	2,795	2,808	2,812	2,827	2,818	2,788
Florida Power Corporation	20,950	21,103	21,064	20,391	21,824	20,360	21,548	21,209	21,267	20,685	22,223	20,980	21,134
Florida Public Utilities	24	24	25	25	25	27	24	25	25	25	25	23	25
Gulf Power Company	467	466	473	473	472	474	474	474	474	474	473	472	472
Tampa Electric Company	5,752	5,762	5,744	5,764	5,783	5,788	6,247	6,259	6,285	6,313	6,340	6,351	6,032
Jacksonville Electric Authority	3,365	3,401	3,410	3,435	3,442	3,463	3,469	3,438	3,492	3,496	3,505	3,528	3,454
Orlando Utilities Commission	31,858	31,891	32,118	32,137	31,854	31,868	31,882	32,031	31,962	32,066	31,972	31,990	31,969
Total	3,979,715	3,993,909	3,467,181	4,012,397	4,009,738	4,011,086	4,016,672	4,025,181	4,030,700	4,038,772	4,051,076	4,063,612	3,975,003
Florida Power & Light	1,475,831	1,477,875	1,469,300	1,405,222	1,535,708	1,402,590	1,514,771	1,474,561	1,490,835	1,432,912	1,565,119	1,464,401	1,473,760
Florida Power Corporation	26,101	26,074	26,173	26,139	26,243	26,327	26,337	26,368	26,432	26,286	26,347	26,362	26,266
Florida Public Utilities	377,402	378,428	379,115	379,922	381,014	381,500	382,317	383,359	383,599	383,805	384,057	383,921	381,520
Gulf Power Company	585,998	587,666	587,905	588,619	588,055	588,460	589,730	590,288	591,347	592,610	594,640	597,073	590,199
Tampa Electric Company	368,943	368,716	370,546	372,134	373,271	374,145	374,714	367,624	375,693	375,934	375,549	376,839	372,842
Jacksonville Electric Authority	182,029	182,377	183,096	183,270	183,195	183,668	183,982	184,685	184,876	185,283	185,465	185,656	183,965
Orlando Utilities Commission													

SOURCES: FPSC Form AFAD (RRR)-4

**TABLE 33**  
**AVERAGE NUMBER OF CUSTOMERS BY CLASS OF SERVICE BY UTILITY**  
**2002**

UTILITIES	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL
Florida Power & Light	3,521,358	435,322	15,535	2,788	3,975,003
Florida Power Corporation	1,301,515	150,577	2,535	21,134	1,475,760
Florida Public Utilities	22,243	3,997	2	25	26,266
Gulf Power Company	331,637	49,139	272	472	381,520
Tampa Electric Company	518,554	64,665	948	6,032	590,199
Alachua	NR	NR	NR	NR	NR
Bartow	8,524	1,031	316	135	10,006
Blountstown	1,000	296	0	28	1,324
Bushnell	NR	NR	NR	NR	NR
Central Florida Co-op	27,263	1,671	63	463	29,460
Chattahoochee	1,081	140	5	62	1,288
Choctawhatchee Co-op	30,339	3,924	133	4	34,400
Clay Co-op	127,806	13,272	637	459	142,174
Clewiston	3,323	449	148	147	4,067
Escambia River Co-op	8,418	950	0	22	9,390
Florida Keys Co-op	25,270	4,609	409	380	30,668
Fort Meade	2,500	200	15	15	2,730
Fort Pierce	21,059	3,469	773	0	25,301
Gainesville	73,827	7,777	1,019	2,877	85,500
Glades Co-op	11,040	1,120	2,772	5	14,937
Green Cove Springs	2,563	474	106	10	3,153
Gulf Coast Co-op	16,731	0	1,113	147	17,991
Havana	NR	NR	NR	NR	NR
Homestead	13,983	1,654	352	93	16,082
Jacksonville	331,890	37,305	194	3,454	372,842
Jacksonville Beach	26,126	4,676	344	95	31,241
Key West	23,651	2,834	688	1,752	28,925
Kissimmee	41,399	6,922	762	0	49,083
Lake Worth	21,004	3,145	98	170	24,417
Lakeland	91,301	9,569	1,287	10,576	112,733
Lee County Co-op	139,670	12,745	3,026	202	155,643
Leesburg	15,863	2,753	382	21	19,019
Moore Haven	845	103	18	23	989
Mount Dora	4,410	693	52	1,272	6,427
New Smyrna Beach	19,154	1,734	105	818	21,811
Newberry	899	96	31	77	1,103
Ocala	37,148	6,468	1,117	2,363	47,096
Okefenoke*	7,981	438	1	58	8,478
Orlando	131,352	15,864	4,780	31,969	183,965
Peace River Co-op	21,937	4,197	133	28	26,295
Quincy	3,847	820	31	66	4,764
Reedy Creek	9	334	833	32	1,208
Seminole Co-op	0	0	0	0	0
Starke	1,948	655	0	0	2,603
Sumter Co-op	104,642	10,984	548	28	116,202
Suwannee Valley Co-op	19,706	1,539	38	79	21,362
Tallahassee	81,208	9,961	1,940	4,877	97,986
Talquin Co-op	45,335	782	3,093	1	49,211
Tri-County Co-op	14,182	1,525	77	117	15,901
Vero Beach	26,016	4,258	502	313	31,089
Wauchula	NR	NR	NR	NR	NR
West Florida Co-op	22,840	2,330	90	526	25,786
Williston	989	229	39	74	1,331
Withlacoochee Co-op	149,840	14,488	51	292	164,671
Respondent Total	7,455,225	902,183	47,412	94,581	8,499,401
FRCC State Total	7,383,246	914,044	28,612	N/A	8,325,902

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

SOURCES: FPSC Form AFAD (RRR)-1,4  
Regional Load and Resource Plan, FRCC



**TABLE 34**  
**AVERAGE NUMBER OF CUSTOMERS BY UTILITY**  
**1998-2002**

UTILITIES	1998	1999	2000	2001	2002
Florida Power & Light	3,680,461	3,756,002	3,890,029	3,935,278	3,975,003
Florida Power Corporation	1,340,834	1,371,187	1,432,579	1,440,081	1,475,760
Florida Public Utilities	24,114	24,640	25,517	25,834	26,266
Gulf Power Company	350,445	360,109	370,117	374,559	381,520
Tampa Electric Company	530,252	543,658	568,361	575,779	590,199
Alachua	2,749	2,796	2,795	2,918	NR
Bartow	9,896	9,768	9,721	9,899	10,006
Blountstown	1,442	1,342	1,334	1,329	1,324
Bushnell	942	940	992	1,026	NR
Central Florida	26,231	26,962	27,996	28,757	29,460
Chattahoochee	1,304	1,305	1,302	1,286	1,288
Choctawhatchee	29,636	30,864	32,102	33,237	34,400
Clay	126,314	131,028	134,665	138,166	142,174
Clewiston	4,043	4,046	4,055	4,065	4,067
Escambia River	8,827	9,068	9,109	9,261	9,390
Florida Keys	29,370	29,608	NR	30,338	30,668
Fort Meade	2,524	NR	2,685	2,639	2,730
Fort Pierce	24,179	24,471	24,650	24,975	25,301
Gainesville	77,197	79,346	81,482	83,837	85,500
Glades	14,091	NR	14,279	14,596	14,937
Green Cove Springs	2,863	2,974	3,008	3,108	3,153
Gulf Coast	15,977	16,878	17,291	17,556	17,991
Havana	1,281	1,279	1,268	1,274	NR
Homestead	15,132	15,633	16,021	16,386	16,082
Jacksonville	336,294	349,461	359,384	365,009	372,842
Jacksonville Beach	NR	30,689	32,395	31,010	31,241
Key West	26,765	27,544	28,037	28,600	28,925
Kissimmee	45,090	NR	48,825	50,375	49,083
Lake Worth	25,081	NR	25,359	24,778	24,417
Lakeland	106,191	109,119	110,047	110,112	112,733
Lee County	139,169	142,489	145,509	150,031	155,643
Leesburg	18,000	18,243	18,374	18,772	19,019
Moore Haven	1,055	959	1,098	978	989
Mount Dora	4,765	6,336	NR	NR	6,427
New Smyrna Beach	20,793	20,182	21,135	21,514	21,811
Newberry	984	1,014	NR	NR	1,103
Ocala	43,836	45,050	45,993	46,702	47,096
Okefenoke*	7,483	7,677	7,971	8,235	8,478
Orlando Utilities	182,479	NR	169,422	179,864	183,965
Peace River	22,511	23,505	24,417	25,391	26,295
Quincy	4,484	NR	NR	4,686	4,764
Reedy Creek	1,293	NR	1,346	1,349	1,208
Starke	2,560	2,559	2,608	2,609	2,603
Sumter	94,488	99,304	104,648	110,284	116,202
Suwannee Valley	19,234	19,807	20,319	20,591	21,362
Tallahassee	91,507	NR	95,770	97,335	97,986
Talquin	45,320	46,516	47,366	48,160	49,211
Tri-County	14,377	14,806	15,151	15,503	15,901
Vero Beach	28,097	29,619	29,823	30,902	31,089
Wauchula	2,570	2,602	2,517	NR	NR
West Florida	23,956	24,520	25,193	25,408	25,786
Williston	1,255	1,296	1,277	1,324	1,331
Withlacoochee	147,808	151,673	157,614	161,744	164,671
Respondent Total**	7,777,549	7,618,874	8,212,956	8,357,450	8,499,401
FRCC State Total	7,441,989	7,915,167	7,940,712	8,142,064	8,325,902

\*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**  
**1993-2002**

YEAR		RESIDENTIAL	COMMERCIAL	INDUSTRIAL	TOTAL
1993	Number of Customers	5,981,279	714,627	25,230	6,721,136
	Change from prior year	2.3%	2.6%	1.1%	2.3%
1994	Number of Customers	6,111,386	731,614	26,244	6,869,244
	Change from prior year	2.2%	2.4%	4.0%	2.2%
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%

\*FRCC numbers as revised

SOURCES: Table 33, FRCC numbers

**TABLE 36**  
**POPULATION AND CUSTOMERS FOR SELECTED INVESTOR-OWNED UTILITIES**  
**(HISTORICAL AND FORECASTED)**  
**1993-2002**

UTILITY	YEAR	POPULATION	RESIDENTIAL CUSTOMERS	COMMERCIAL CUSTOMERS	INDUSTRIAL CUSTOMERS	OTHER CUSTOMERS	TOTAL CUSTOMERS
Florida Power & Light	1993	6,486,127	2,975,479	358,679	14,866	3,086	3,352,110
	1997	7,105,582	3,209,298	388,906	14,761	2,520	3,615,485
	2002	7,896,813	3,566,167	435,313	15,533	2,792	4,019,805
	2007 *	8,614,099	3,882,687	484,370	15,186	3,002	4,385,245
	2012 *	9,328,059	4,176,707	522,503	15,377	3,289	4,717,876
Florida Power Corporation	1993	2,663,086	1,076,657	119,811	3,107	15,077	1,214,652
	1997	2,895,266	1,160,611	132,504	2,830	18,562	1,314,507
	2002	3,207,661	1,301,515	150,577	2,535	21,156	1,475,783
	2007 *	3,447,017	1,407,587	162,739	2,520	24,077	1,596,923
	2012 *	3,747,779	1,526,460	177,785	2,520	26,898	1,733,663
Gulf Power Company	1993	707,535	271,594	38,477	268	79	310,418
	1997	762,179	296,497	43,955	277	215	340,944
	2002	848,129	331,637	49,139	272	474	381,522
	2007 *	918,057	365,408	54,671	332	525	420,936
	2012 *	1,002,401	408,338	62,196	347	556	471,437
Tampa Electric Company	1993	866,134	420,051	52,492	509	3,958	477,010
	1997	928,731	456,175	56,981	629	4,583	518,368
	2002	1,053,900	518,554	64,665	948	6,032	590,199
	2007 *	1,160,600	576,469	72,370	1,067	6,376	656,282
	2012 *	1,234,100	633,893	80,184	1,255	6,979	722,311

\*Projected

SOURCE: Individual Ten-Year Site Plans

## **PRICES**

**TABLE 37**  
**PRICE OF RESIDENTIAL SERVICE\***  
**DECEMBER 31, 2002**

INVESTOR-OWNED UTILITIES	MINIMUM BILL OR CUSTOMER CHARGE**	100 KWH	250 KWH	500 KWH	750 KWH	1000 KWH	1500 KWH
Florida Power & Light	\$5.25	\$12.04	\$22.22	\$39.20	\$56.15	\$75.45	\$114.05
Florida Power Corporation**	8.03	15.06	25.59	43.15	60.68	78.24	118.36
Tampa Electric Company	8.50	16.81	29.28	50.06	70.82	91.59	133.15
Gulf Power Company	10.00	16.33	25.83	41.65	57.46	73.27	104.92
Florida Public Utilities Company							
- Marianna Division	8.30	13.65	21.69	35.09	48.47	61.86	88.65
- Fernandina Beach Division	7.00	12.26	20.16	33.31	46.46	59.61	85.92

\*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 2002.

\*\*Known as Progress Energy Florida, Inc. effective January 1, 2003.

SOURCE: FPSC Comparative Rate Statistics.

**TABLE 37 (continued)**  
**PRICE OF RESIDENTIAL SERVICE\***  
**DECEMBER 31, 2002**

MUNICIPAL UTILITIES	MINIMUM BILL OR CUSTOMER CHARGE	KWH					1500 KWH
		100	250	500	750	1000	
Alachua	\$8.00	\$16.98	\$30.45	\$52.90	\$75.35	\$97.80	\$142.70
Bartow	5.25	14.60	26.59	46.60	66.59	86.58	126.58
Blountstown	3.50	9.71	19.02	34.54	50.06	65.58	96.62
Bushnell	8.03	14.85	26.99	47.23	67.47	87.71	128.19
Chattahoochee	8.50	12.01	23.26	42.03	60.79	79.55	117.08
Clewiston	10.00	14.37	26.18	45.85	65.53	85.20	124.55
Fort Meade	7.00	22.38	36.50	60.04	83.58	107.11	154.19
Fort Pierce	5.35	13.50	25.70	46.07	66.42	86.78	127.50
Gainesville	4.66	11.84	22.62	40.58	58.54	78.90	119.63
Green Cove Springs	6.00	14.89	28.22	50.44	72.65	94.87	139.31
Havana	6.00	14.23	26.57	47.13	67.70	88.26	129.39
Homestead	5.50	15.41	30.27	55.03	79.80	104.56	154.09
Jacksonville	5.50	11.77	21.17	36.83	52.49	68.15	99.48
Jacksonville Beach	4.50	12.80	25.23	45.97	66.70	87.43	128.90
Key West	6.00	14.89	28.23	50.45	72.68	94.90	139.35
Kissimmee	5.40	13.24	25.01	44.62	64.21	84.39	123.90
Lake Worth	4.50	12.18	23.70	42.91	62.11	81.31	119.72
Lakeland	6.35	14.01	25.49	44.63	63.77	82.91	114.84
Leesburg	8.00	15.14	25.85	43.69	61.53	79.37	115.06
Moore Haven	8.50	15.00	24.75	41.00	57.25	73.50	106.00
Mount Dora	4.94	11.88	22.29	39.64	56.99	74.34	109.04
New Smyrna Beach	5.65	13.70	25.79	45.93	66.07	86.20	126.48
Newberry	7.50	15.59	27.73	47.94	68.17	88.38	128.82
Ocala	7.00	14.70	26.27	45.54	64.81	84.07	122.61
Orlando	7.00	14.37	25.43	43.85	62.28	80.70	122.55
Quincy	2.40	10.83	23.47	44.53	65.60	86.66	128.79
Reedy Creek	2.85	10.70	22.48	42.11	61.74	81.36	120.62
Starke	6.45	13.86	24.98	43.50	62.03	80.55	128.60
St. Cloud	7.35	15.09	26.70	46.05	65.39	84.74	128.69
Tallahassee	4.94	12.95	24.94	44.96	64.96	84.96	124.98
Vero Beach	7.00	14.98	26.94	46.88	66.82	86.75	126.63
Wauchula	8.62	18.05	32.19	55.75	79.32	102.88	150.01
Williston	8.00	17.68	32.21	56.42	80.63	104.84	153.26

\* Local taxes, franchise fees, and gross receipts taxes not embedded in rates are excluded. December 2002 Fuel and Purchased Power Costs are included.

SOURCE: FPSC Comparative Rate Statistics.

**TABLE 37 (continued)**  
**PRICE OF RESIDENTIAL SERVICE\***  
**DECEMBER 31, 2002**

COOPERATIVE UTILITIES	MINIMUM BILL OR CUSTOMER CHARGE	100 KWH	250 KWH	500 KWH	750 KWH	1000 KWH	1500 KWH
Central Florida	\$8.50	\$15.95	\$27.13	\$45.75	\$64.38	\$83.00	\$120.25
Choctawhatchee	18.00	25.04	35.60	53.19	70.80	88.39	123.58
Clay	9.00	15.67	25.68	42.35	59.03	75.70	114.05
Escambia River	9.00	16.50	27.75	46.50	65.25	84.00	121.50
Florida Keys	7.00	15.30	27.75	48.51	69.26	90.01	131.52
Glades	10.50	18.10	29.50	48.50	67.50	86.50	124.50
Gulf Coast	10.00	17.50	28.75	47.50	66.25	85.00	122.50
Lee County	5.00	12.46	23.65	42.30	60.95	79.60	116.90
Okfenoke	10.00	17.29	28.22	46.44	64.67	82.89	119.33
Peace River	10.50	18.95	31.63	52.75	73.88	95.00	137.25
Sumter	8.25	15.72	26.93	45.60	64.27	82.95	120.30
Suwannee Valley	8.73	16.42	27.96	47.20	66.43	85.66	124.13
Talquin	8.00	15.40	26.50	45.00	63.50	82.00	119.00
Tri-County	10.00	18.10	30.25	50.50	70.75	91.00	131.50
West Florida	8.00	16.18	28.44	48.87	69.31	89.75	130.62
Withlacoochee River	9.75	16.57	26.79	43.83	60.86	77.90	111.98

\* Local taxes, franchise fees, and gross receipts taxes not embedded in rates are excluded. December 2002 Fuel and Purchased Power Costs are included.

SOURCE: FPSC Comparative Rate Statistics.

**TABLE 38**  
**PRICE OF COMMERCIAL AND INDUSTRIAL SERVICE\***  
**DECEMBER 31, 2002**

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	\$1,186.74	\$3,046.89	\$9,948.12	\$23,728.12	\$47,258.05
Florida Power Corporation	982.62	2,667.87	8,868.12	22,480.62	44,950.62
Tampa Electric Company	1,364.25	3,465.00	11,452.00	28,145.00	56,035.00
Gulf Power Company	1,007.30	2,545.40	8,977.50	20,765.00	41,375.00
Florida Public Utilities Company					
- Marianna Division	795.70	2,119.60	6,963.25	17,695.75	35,347.75
- Fernandina Beach Division	798.80	2,187.65	7,203.50	18,556.00	37,074.00

\*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 2002.

\*\*Known as Progress Energy Florida, Inc. effective January 1, 2003.

SOURCE: FPSC Comparative Rate Statistics.



**TABLE 38 (continued)  
PRICE OF COMMERCIAL AND INDUSTRIAL SERVICE\*  
DECEMBER 31, 2002**

MUNICIPAL UTILITIES	75 KW 15,000 KWH	150 KW 45,000 KWH	500 KW 150,000 KWH	1,000 KW 400,000 KWH	2,000 KW 800,000 KWH
Alachua	\$1,482.75	\$3,957.00	\$13,137.50	\$33,012.50	\$66,002.50
Bartow	1,557.10	4,015.15	13,340.20	32,792.70	65,566.70
Blountstown	1,049.95	3,135.85	10,436.50	27,819.00	55,631.00
Bushnell	1,510.40	3,979.70	13,217.25	32,944.75	65,868.75
Chattahoochee	1,243.75	3,819.78	12,732.60	32,280.20	64,560.40
Clewiston	1,410.50	3,891.50	12,890.00	33,115.00	66,195.00
Fort Meade	1,843.85	4,645.85	15,277.10	37,449.60	74,809.60
Fort Pierce	1,324.85	3,454.55	11,433.50	28,431.00	56,827.00
Gainesville	1,192.57	3,114.82	10,345.82	24,990.84	49,920.84
Green Cove Springs	1,568.05	4,129.15	13,705.50	28,273.00	56,421.00
Havana	1,239.90	3,707.70	12,345.00	32,910.00	65,814.00
Homestead	1,769.14	4,768.66	15,813.85	40,028.60	80,022.20
Jacksonville	1,016.00	2,550.50	8,385.00	20,450.00	40,700.00
Jacksonville Beach	1,683.20	4,379.60	14,560.75	35,968.25	71,920.25
Key West	1,544.75	4,113.50	13,668.50	34,268.50	68,518.50
Kissimmee	1,371.50	3,372.50	11,446.50	26,566.50	53,078.50
Lake Worth	1,527.91	4,008.91	13,278.66	33,116.16	66,196.16
Lakeland	1,182.55	3,118.00	11,033.30	26,378.30	52,380.30
Leesburg	1,200.05	3,041.15	10,097.50	24,565.00	49,113.00
Moore Haven	1,278.75	3,172.50	10,505.00	25,280.00	50,530.00
Mount Dora	962.82	2,488.32	8,259.82	20,354.82	40,694.82
New Smyrna Beach	1,410.20	3,751.10	12,425.50	31,245.50	62,457.50
Newberry	1,529.70	3,809.10	12,662.00	30,407.00	60,799.00
Ocala	1,201.65	3,116.70	10,340.00	25,555.00	51,089.00
Orlando	1,170.90	2,995.20	9,949.00	24,227.00	48,551.00
Quincy	1,173.00	3,120.60	10,260.95	26,028.45	50,948.45
Reedy Creek	1,426.40	3,585.20	11,904.00	28,804.00	57,588.00
Starke	1,428.00	4,266.00	14,199.00	37,849.00	75,689.00
St.Cloud	1,229.85	3,145.80	10,449.25	25,501.75	50,987.75
Tallahassee	1,298.50	3,271.75	10,752.50	26,190.00	52,340.00
Vero Beach	1,280.25	3,491.25	11,536.00	29,448.50	58,828.50
Wauchula	1,455.50	4,641.20	15,319.00	38,899.00	77,733.00
Williston	1,614.55	4,418.65	14,450.00	36,450.00	72,850.00

\*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, 2002**

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	\$1,332.50	\$3,350.00	\$11,050.00	\$26,550.00	\$53,050.00
Choctawhatchee	1,131.42	2,875.26	8,871.70	21,971.20	43,912.40
Clay	1,104.25	2,914.00	9,585.00	24,185.00	46,710.00
Escambia River	1,390.00	3,640.00	12,040.00	30,040.00	60,040.00
Florida Keys	1,111.90	3,233.95	10,901.75	28,241.75	56,535.75
Glades	1,481.25	4,102.50	13,075.00	20,095.00	40,015.00
Gulf Coast	1,144.50	3,109.50	10,337.00	26,212.00	52,412.00
Lee County	1,119.00	2,952.00	10,380.00	25,055.00	50,095.00
Okefenoke	1,230.83	3,020.00	9,833.35	23,955.60	47,811.20
Peace River	1,220.00	3,117.50	10,275.00	25,350.00	50,650.00
Sumter	1,086.50	2,747.00	9,040.00	22,190.00	44,330.00
Suwannee Valley	1,410.40	3,687.10	9,345.50	22,053.00	44,065.00
Talquin	1,126.00	3,013.00	10,230.00	22,680.00	45,060.00
Tri-County	1,285.00	3,100.00	10,100.00	24,300.00	48,500.00
West Florida	1,211.45	3,084.35	10,164.50	19,675.00	39,245.00
Withlacoochee River	1,040.88	2,660.88	8,812.13	21,624.63	43,224.63

\* Local taxes, franchise fees, and gross receipts taxes not embedded in rates are excluded. December 2002 Fuel and Purchased Power Costs are included.

SOURCE: FPSC Comparative Rate Statistics.

## **ECONOMIC AND FINANCIAL INDICATORS**

**TABLE 39**  
**POPULATION ESTIMATES**  
**1993-2002**  
**(000s)**

YEAR	FLORIDA POPULATION	NATIONAL POPULATION
1993	13,714	257,783
1994	13,962	260,327
1995	14,185	262,803
1996	14,426	265,229
1997	14,683	267,784
1998	14,908	270,248
1999	15,111	272,691
2000	16,051	282,224
2001	16,373	285,318
2002	16,713	288,369

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

YEAR	FLORIDA POPULATION	NATIONAL POPULATION
2010	19,700	299,862
2020	24,400	324,927
2030	30,100	351,070

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

Table 39

<http://eire.census.gov/popest/data/states/tables/ST-EST2002-01.php>

<http://eire.census.gov/popest/archives/national/nation2/intfile2-1.txt>

<http://eire.census.gov/popest/archives/state/st-99-3.txt>

Table 40

Florida projections based on 2000 census data (Univ. of Florida Bureau of Economic and Business Research)

National proj's based on 1990 census data (Population Projections Program, Population Division, U.S. Censu

**TABLE 41**  
**CONSUMER PRICE INDEX**  
**ALL URBAN CONSUMERS**  
**ANNUAL RATE OF CHANGE**  
**1993-2002**

YEAR*	ALL URBAN CONSUMERS
1993	3.0%
1994	2.6%
1995	2.8%
1996	3.0%
1997	2.3%
1998	1.6%
1999	2.2%
2000	3.4%
2001	2.8%
2002	1.6%

**TABLE 42**  
**CONSUMER PRICE INDEX**  
**FOR ALL ITEMS AND FUEL AND OTHER UTILITIES**  
**1993-2002**

YEAR*	ALL ITEMS	FUEL AND OTHER UTILITIES
1993	144.5	121.3
1994	148.2	122.8
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

\*Not seasonally adjusted.

1982-84 = 100

SOURCE: ECONOMIC INDICATORS, Council of Economic Advisers, Joint Economic Committee  
 United States Government Printing Office  
 (<http://www.access.gpo.gov/congress/eibrowse/03julbro.html>)

**TABLE 43**  
**PRODUCER PRICE INDEX**  
**TOTAL FINISHED GOODS AND CAPITAL EQUIPMENT**  
**1993-2002**

YEAR	FINISHED GOODS	CAPITAL EQUIPMENT
1993	124.7	131.4
1994	125.5	134.1
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

1982 = 100

SOURCE: ECONOMIC INDICATORS, Council of Economic Advisers, Joint Economic Committee  
 United States Government Printing Office  
 (<http://www.access.gpo.gov/congress/eibrowse/03julbro.html>)

# **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

FPC - Florida Power Corporation	OUC - Orlando Utilities Commission
FPL - Florida Power & Light Company	SEB - Sebring Utilities Commission
FTP - Fort Pierce Utilities Authority	SEC - Seminole Electric Cooperative
GPC - Gulf Power Company	SPA - Southeastern Power Administration
GRU - Gainesville Regional Utilities	STC - City of St. Cloud
HST - City of Homestead	STK - City of Starke
JEA - Jacksonville Electric Authority	TEC - Tampa Electric Company
KEY - City of Key West	TAL - City of Tallahassee
KUA - Kissimmee Utility Authority	VER - Vero Beach Municipal Utilities
LAK - City of Lakeland	
LWU - Lake Worth Utilities Authority	OTH - Other
NSB - New Smyrna Beach 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