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**Florida
Power**
CORPORATION

JAMES A. MCGEE
SENIOR COUNSEL

March 24, 2000

Ms. Blanca S. Bayó, Director
Division of Records and Reporting
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Re: Docket No. 991789-EG

Dear Ms. Bayó:

Enclosed for filing in the subject docket are an original and fifteen copies of revised pages I, II-3, IV-24, IV-33 through 37, and IV-43 to Florida Power Corporation's previously filed Demand Side Management Plan. The revised pages are provided in both standard and legislative format, with the exception of pages IV-34, 35 and 36, which were extensively revised. These revisions have been discussed with, and informally furnished to, Staff.

Please acknowledge your receipt of the above filing on the enclosed copy of this letter and return to the undersigned. Thank you for your assistance in this matter.

Very truly yours,

James A. McGee

JAM/kbd
Enclosure

cc: Parties of record

RECEIVED & FILED

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Table II-1
 Summary of Demand Side Management Programs
 Included in Proposed Plan
 Period 2000-2009

DSM Measure	Rate Impact Measure Test			Participant Test			Total Resource Cost Test			Program Status
	PV Total Benefits (\$000)	PV Total Costs (\$000)	B / C Ratio	PV Total Benefits (\$000)	PV Total Costs (\$000)	B / C Ratio	PV Total Benefits (\$000)	PV Total Costs (\$000)	B / C Ratio	
Home Energy Check	NA	NA	NA	NA	NA	NA	NA	NA	NA	Existing
Home Energy Improvement	58,937	52,999	1.11	50,154	19,452	2.58	58,937	22,297	2.64	Modified
Residential New Construction	45,795	40,630	1.13	35,305	11,740	3.01	45,795	17,065	2.68	Modified
Low Income Weatherization	1,630	1,602	1.02	1,330	0	9999	1,630	272	5.99	New
Res Year-Round Energy Mgmt	82,516	98,117	0.81	69,545	2	9999	82,514	28,572	2.76	Modified
Res Winter-Only Energy Mgmt	37,282	28,800	1.24	11,277	0	9999	37,282	17,524	2.05	Modified
Business Energy Check	NA	NA	NA	NA	NA	NA	NA	NA	NA	Existing
Better Business	6,537	5,776	1.13	5,602	1,963	2.85	6,537	2,137	3.06	Modified
CI New Construction	1,948	1,855	1.05	1,727	448	3.86	1,948	576	3.38	Modified
Innovation Incentive	NA	NA	NA	NA	NA	NA	NA	NA	NA	Existing
Commercial Energy Management	144	187	0.79	56	0	9999	144	131	1.13	Modified
Standby Generation	7,226	6,323	1.14	5,598	0	9999	7,226	725	9.97	Existing
Interruptible Service	272	270	1.00	190	0	9999	272	80	3.39	Existing
Curtailable Service	634	479	1.32	251	0	9999	634	228	2.77	Existing
Technology Development	NA	NA	NA	NA	NA	NA	NA	NA	NA	Existing

NOTES:

- (1) Home Energy Check and Business Energy Check are FPSC-mandated programs; therefore, no cost-effectiveness analysis was conducted for these programs.
- (2) Innovation Incentive projects are individually evaluated for cost-effectiveness; only projects that pass both the RIM and Participant Tests are approved.
- (3) Technology Development projects are individually evaluated for cost-effectiveness.

E. COMMERCIAL ENERGY MANAGEMENT PROGRAM

- Program Start Date:**
- ▶ 1983
 - Modified in 1995
 - ▶ Proposed modification for 2000

Policies and Procedures

The Commercial Energy Management program is a direct load control program that reduces FPC's demand during peak or emergency conditions. FPC will have direct control of the customer's selected participating equipment. The customer will receive a monthly credit on their bill depending on the interruption schedule and the devices which are participating in the program. *(Please refer to the GSLM-1 tariff for details.)*

The program is available to FPC customers eligible for service under the GS-1, GST-1, GSD-1, or GSDT-1 rate schedules, and who elect service under the GSLM-1 rate schedule and have electric space cooling equipment suitable for interruptible operation. The program is also applicable to customers who have any of the following electrical equipment installed on permanent residential structures and utilized for domestic (household) purposes: (1) water heater(s), (2) central electric heating system(s), (3) central electric cooling system(s), and/or (4) swimming pool pump(s). Customers must be within the range of the Company's load management system in order to be eligible for the program.

Like the Residential Energy Management Program, FPC has determined that it is no longer cost-effective under the RIM test to continue adding new participants to the Commercial Energy Management program. (Pages IV-28 through IV-30 present the results of all three Commission-approved tests of cost-effectiveness.) As a result, the Company is proposing to close the program to new participants.

Domestic Commercial Energy Management

Currently, for domestically utilized equipment (i.e., the domestic (household) commercial portion of the Commercial Energy Management program), the GSLM-1 rate schedule simply references the Residential Energy Management's RSL-1 tariff in regard to control schedules and credit structure. FPC's proposed domestic commercial modifications will continue this direct link, as well as include a reference to the proposed new RSL-2 (Winter-Only) rate schedule, for all existing buildings that have an active Energy Management installation. The primary changes to the Domestic Commercial Energy Management portion of the program are as follows:

- The program will be closed to new participation, such that there will be no new domestic Commercial Energy Management installations.

At the Generator						
Year	Per Customer kWh Reduction	Per Customer Winter kW Reduction	Per Customer Summer kW Reduction	Total Annual kWh Reduction	Total Annual Winter kW Reduction	Total Annual Summer kW Reduction
2000	6,211	628	633	31,054	3,139	3,166
2001	6,211	628	633	62,108	6,278	6,332
2002	6,211	628	633	93,162	9,418	9,498
2003	6,211	628	633	124,216	12,557	12,664
2004	6,211	628	633	155,270	15,696	15,830
2005	6,211	628	633	186,325	18,835	18,995
2006	6,211	628	633	217,379	21,974	22,161
2007	6,211	628	633	248,433	25,114	25,327
2008	6,211	628	633	279,487	28,253	28,493
2009	6,211	628	633	310,541	31,392	31,659

Impact Evaluation Plan

FPC uses on-site metering to measure the generation capability of each Standby Generation program participant to reduce load at the time they join the program. The customer and a FPC representative will observe the metering tests to determine the load that the standby generator carries. This system testing will also determine the initial readings that will be recorded in order to determine the incentive that the customer will receive on their bill each month. Engineering analysis is used to estimate on-going program savings for each participant based upon monitoring their generator usage.

Cost Effectiveness

The economic results of the program are as follows.

Cost-Effectiveness Test	NPV Benefits (000\$)	NPV Costs (000\$)	NPV Net Benefits (000\$)	B/C Ratio
Rate Impact Measure	7,226	6,323	903	1.14
Participant	5,598	0	5,598	9999
Total Resource Cost	7,226	725	6,501	9.97

G. INTERRUPTIBLE SERVICE PROGRAM

Program Start Date: ▶ 1996 for the IS-2 and IST-2 rate schedules.

Policies and Procedures

The Interruptible Service (IS) program is a direct load control program that reduces FPC's demand at times of capacity shortage during peak or emergency conditions. The program is available throughout the entire territory served by FPC to any non-residential customer who is willing to have their power interrupted. The program is currently offered through the Interruptible General Service (IS-2) and Interruptible General Service Time of Use (IST-2) rate schedules. The IS-1 and IST-1 rate schedules were closed to new customers in 1996, but remain active for those customers that were grandfathered onto the rate.

FPC will have remote control of the circuit breaker or disconnect switch supplying the customer's equipment. If purchased power is available at the time of potential interruption, customers who choose not to have their load interrupted will be assessed at the price of that purchased power supplied. Customers participating in the Interruptible Service program will receive a monthly interruptible demand credit based on their billing demand and billing load factor. The general program eligibility requirements to qualify for participation are as follows:

- Customer must be eligible for service under the IS-2 or IST-2 Rate Schedules.
- Average billing demand must be 500 kW or more.
- Available at primary, transmission, and secondary service voltages.

Program Participation

Cumulative participation estimates for the program are shown in the following table.

Year	Total Number of Customers [1]	Total Number of Eligible Customers	Annual Number of Program Participants	Cumulative Penetration Level (%)
2000	163,576	869	0	0
2001	166,984	891	0	0
2002	170,356	913	1	0
2003	173,705	936	1	0
2004	177,016	959	1	0
2005	180,239	983	1	0
2006	183,373	1,008	2	0
2007	186,419	1,033	2	0
2008	189,416	1,059	2	0
2009	192,406	1,086	2	0

1. Total Number of Customers is the forecast of all commercial and industrial customers, from the June 1999 forecast.

H. CURTAILABLE SERVICE PROGRAM

Program Start Date: ▶ 1996 for the CS-2 and CST-2 rate schedules.

Policies and Procedures

The Curtailable Service (CS) program is a direct load control program that will reduce FPC's demand at times of capacity shortage during peak or emergency conditions. The program is available throughout the entire territory served by FPC to any non-residential customer who agrees to curtail 25% of their average monthly billing demand. The program is currently offered through the Curtailable General Service (CS-2) and Curtailable General Service Time of Use (CST-2) rate schedules. The CS-1 and CST-1 rate schedules were closed to new customers in 1996, but remain active for those customers that were grandfathered onto the rate.

FPC will have remote control of the circuit breaker or disconnect switch supplying the customer's equipment. If purchased power is available at the time of potential curtailment, customers who choose not to reduce their load will be assessed at the price of that purchased power. Customers participating in the Curtailable Service program receive a monthly curtailable demand credit based on their curtailable demand and billing load factor. The general program eligibility requirements to qualify for participation are as follows:

- Customer must be eligible for service under the CS-2 or CST-2 Rate Schedules.
- Average billing demand must be 500 kW or more.
- Available at primary, transmission, and secondary service voltages.

Program Participation

Cumulative participation estimates for the program are shown in the following table.

Year	Total Number of Customers [1]	Total Number of Eligible Customers	Annual Number of Program Participants	Cumulative Penetration Level (%)
2000	163,576	869	0	0
2001	166,984	891	0	0
2002	170,356	913	0	0
2003	173,705	936	0	0
2004	177,016	959	0	0
2005	180,239	983	0	0
2006	183,373	1,008	0	0
2007	186,419	1,033	0	0
2008	189,416	1,059	0	0
2009	192,406	1,086	0	0

1. Total Number of Customers is the forecast of all commercial and industrial customers, from the June 1999 forecast.

PROGRAM: Standby Generation

PARTICIPANT TEST

YEAR	BENEFITS				COSTS			NET BENEFITS TO PARTICIPANTS \$(000)
	(1) SAVINGS IN PARTICIPANT'S BILL \$(000)	(2) INCENTIVE PAYMENTS \$(000)	(3) OTHER PARTICIPANT BENEFITS \$(000)	(4) TOTAL BENEFITS \$(000)	(5) PARTICIPANT'S COSTS \$(000)	(6) PARTICIPANT'S BILL INCREASE \$(000)	(7) TOTAL COSTS \$(000)	
1999	0	0	0	0	0	0	0	0
2000	2	75	0	77	0	0	0	77
2001	5	149	0	154	0	0	0	154
2002	6	224	0	230	0	0	0	230
2003	5	298	0	303	0	0	0	303
2004	13	373	0	386	0	0	0	386
2005	12	447	0	459	0	0	0	459
2006	14	522	0	536	0	0	0	536
2007	18	596	0	614	0	0	0	614
2008	15	671	0	686	0	0	0	686
2009	30	745	0	775	0	0	0	775
2010	37	745	0	782	0	0	0	782
2011	29	745	0	774	0	0	0	774
2012	37	745	0	782	0	0	0	782
2013	30	745	0	775	0	0	0	775
2014	36	745	0	781	0	0	0	781
2015	28	745	0	773	0	0	0	773
2016	32	745	0	777	0	0	0	777
2017	27	745	0	772	0	0	0	772
2018	35	745	0	780	0	0	0	780
2019	28	745	0	773	0	0	0	773
2020	31	745	0	776	0	0	0	776
2021	29	745	0	774	0	0	0	774
2022	32	745	0	777	0	0	0	777
2023	30	745	0	775	0	0	0	775
2024	33	745	0	778	0	0	0	778
2025	30	745	0	775	0	0	0	775
2026	34	745	0	779	0	0	0	779
2027	31	745	0	776	0	0	0	776
2028	35	745	0	780	0	0	0	780
NOMINAL	724	18255	0	18979	0	0	0	18979
NPV	199	5400	0	5598	0	0	0	5598

UTILITY DISCOUNT RATE: 8.53%
 BENEFIT/COST RATIO (COL. 4/COL. 7): 9999.00

PROGRAM: Standby Generation

TOTAL RESOURCE COST TEST

YEAR	BENEFITS					COSTS						NET BENEFITS \$(000)
	(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) OTHER PARTICIPANT BENEFITS \$(000)	(5) TOTAL BENEFITS \$(000)	(6) PARTICIPANT'S COSTS \$(000)	(7) TOTAL FUEL & O&M INCREASE \$(000)	(8) INCREASED T&D CAP. COSTS \$(000)	(9) INCREASED GEN. CAP. COSTS \$(000)	(10) UTILITY PROGRAM COSTS \$(000)	(11) TOTAL COSTS \$(000)	
1999	0	0	0	0	0	0	0	0	0	0	0	0
2000	2	25	0	0	27	0	0	0	0	10	10	17
2001	6	50	0	0	56	0	0	0	0	10	10	46
2002	0	75	142	0	217	0	116	0	0	10	126	91
2003	0	100	149	0	249	0	136	0	0	10	146	103
2004	0	125	273	0	398	0	158	0	0	10	168	230
2005	650	150	446	0	1246	0	0	0	0	10	10	1236
2006	261	175	322	0	758	0	0	0	0	10	10	748
2007	0	200	293	0	493	0	51	0	0	10	61	432
2008	0	225	553	0	778	0	95	0	0	10	105	673
2009	0	250	635	0	885	0	81	0	0	10	91	794
2010	0	250	653	0	903	0	80	0	0	10	90	813
2011	0	250	675	0	925	0	77	0	0	10	87	838
2012	0	250	695	0	945	0	70	0	0	10	80	865
2013	0	250	718	0	968	0	69	0	0	10	79	889
2014	0	250	739	0	989	0	65	0	0	10	75	914
2015	0	250	764	0	1014	0	64	0	0	10	74	940
2016	0	250	785	0	1035	0	59	0	0	10	69	966
2017	0	250	812	0	1062	0	57	0	0	10	67	995
2018	0	250	835	0	1085	0	46	0	0	10	56	1029
2019	0	250	863	0	1113	0	45	0	0	10	55	1058
2020	0	250	887	0	1137	0	39	0	0	10	49	1088
2021	0	250	917	0	1167	0	35	0	0	10	45	1122
2022	0	250	943	0	1193	0	33	0	0	10	43	1150
2023	0	250	975	0	1225	0	25	0	0	10	35	1190
2024	0	250	1002	0	1252	0	19	0	0	10	29	1223
2025	0	250	1036	0	1286	0	15	0	0	10	25	1261
2026	0	250	1066	0	1316	0	12	0	0	10	22	1294
2027	0	250	1102	0	1352	0	4	0	0	10	14	1338
2028	4	250	1132	0	1386	0	0	0	0	10	10	1376
NOMINAL	923	6125	19412	0	26460	0	1451	0	0	290	1741	24719
NPV	552	1811	4863	0	7226	0	619	0	0	106	725	6501

UTILITY DISCOUNT RATE: 8.53%
 BENEFIT/COST RATIO (COL. 5/COL. 11): 9.97

PROGRAM: Standby Generation

RATE IMPACT MEASURE TEST

YEAR	BENEFITS					COSTS							NET BENEFITS TO ALL CUSTOMERS \$(000)
	(1) FUEL & O & M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) REVENUE GAINS \$(000)	(5) TOTAL BENEFITS \$(000)	(6) FUEL & O & M INCREASE \$(000)	(7) INCREASED T&D CAP. COSTS \$(000)	(8) INCREASED GEN. CAP. COSTS \$(000)	(9) UTILITY PROGRAM COSTS \$(000)	(10) INCENTIVE PAYMENTS \$(000)	(11) REVENUE LOSSES \$(000)	(12) TOTAL COSTS \$(000)	
1999	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	2	25	0	0	27	0	0	0	10	75	2	87	-60
2001	6	50	0	0	56	0	0	0	10	149	5	164	-108
2002	0	75	142	0	217	116	0	0	10	224	6	356	-139
2003	0	100	149	0	249	136	0	0	10	298	5	449	-200
2004	0	125	273	0	398	158	0	0	10	373	13	554	-156
2005	650	150	446	0	1246	0	0	0	10	447	12	469	777
2006	261	175	322	0	758	0	0	0	10	522	14	546	212
2007	0	200	293	0	493	51	0	0	10	596	18	675	-182
2008	0	225	553	0	778	95	0	0	10	671	15	791	-13
2009	0	250	635	0	885	81	0	0	10	745	30	866	19
2010	0	250	653	0	903	80	0	0	10	745	37	872	31
2011	0	250	675	0	925	77	0	0	10	745	29	861	64
2012	0	250	695	0	945	70	0	0	10	745	37	862	83
2013	0	250	718	0	968	69	0	0	10	745	30	854	114
2014	0	250	739	0	989	65	0	0	10	745	36	856	133
2015	0	250	764	0	1014	64	0	0	10	745	28	847	167
2016	0	250	785	0	1035	59	0	0	10	745	32	846	189
2017	0	250	812	0	1062	57	0	0	10	745	27	839	223
2018	0	250	835	0	1085	46	0	0	10	745	35	836	249
2019	0	250	863	0	1113	45	0	0	10	745	28	828	285
2020	0	250	887	0	1137	39	0	0	10	745	31	825	312
2021	0	250	917	0	1167	35	0	0	10	745	29	819	348
2022	0	250	943	0	1193	33	0	0	10	745	32	820	373
2023	0	250	975	0	1225	25	0	0	10	745	30	810	415
2024	0	250	1002	0	1252	19	0	0	10	745	33	807	445
2025	0	250	1036	0	1286	15	0	0	10	745	30	800	486
2026	0	250	1066	0	1316	12	0	0	10	745	34	801	515
2027	0	250	1102	0	1352	4	0	0	10	745	31	790	562
2028	4	250	1132	0	1386	0	0	0	10	745	35	790	596
NOMINAL	923	6125	19412	0	26460	1451	0	0	290	18255	724	20720	5740
NPV	552	1811	4863	0	7226	619	0	0	106	5400	199	6323	903

UTILITY DISCOUNT RATE: 8.53%
 BENEFIT/COST RATIO (COL. 5/COL. 12): 1.14

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Standby Generation	7,816 7,226	885 6,323	1.14	214 5,598	0	9999	7,816 7,226	671 725	9.98 9.97	Modified Existing
Interruptible Service	272	270	1.00	190	0	9999	272	80	3.39	Existing
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Policies and Procedures

The Commercial Energy Management program is a direct load control program that reduces FPC's demand during peak or emergency conditions. FPC will have direct control of the customer's selected participating equipment. The customer will receive a monthly credit on their bill depending on the interruption schedule and the devices which are participating in the program. *(Please refer to the GSLM-1 tariff for details.)*

The program is available to FPC customers eligible for service under the GS-1, GST-1, GSD-1, or GSDT-1 rate schedules, ~~excluding those customers served under the General Service transition rates~~, and who elect service under the GSLM-1 rate schedule and have electric space cooling equipment suitable for interruptible operation. The program is also applicable to customers who have any of the following electrical equipment installed on permanent residential structures and utilized for domestic (household) purposes: (1) water heater(s), (2) central electric heating system(s), (3) central electric cooling system(s), and/or (4) swimming pool pumps(s). Customers must be within the range of the Company's load management system in order to be eligible for the program.

Like the Residential Energy Management Program, FPC has determined that it is no longer cost-effective under the RIM test to continue adding new participants to the Commercial Energy Management program. (Pages IV-28 through IV-30 present the results of all three Commission-approved tests of cost-effectiveness.) As a result, the Company is proposing to close the program to new participants.

Domestic Commercial Energy Management

Currently, for domestically utilized equipment (i.e., the domestic (household) commercial portion of the Commercial Energy Management program), the GSLM-1 rate schedule simply references the Residential Energy Management's RSL-1 tariff in regard to control schedules and credit structure. FPC's proposed domestic commercial modifications will continue this direct link, as well as include a reference to the proposed new RSL-2 (Winter-Only) rate schedule, for all existing buildings that have an active Energy Management installation. The primary changes to the Domestic Commercial Energy Management portion of the program are as follows:

- The program will be closed to new participation, such that there will be no new domestic Commercial Energy Management installations.

At the Generator						
Year	Per Customer kWh Reduction	Per Customer Winter kW Reduction	Per Customer Summer kW Reduction	Total Annual kWh Reduction	Total Annual Winter kW Reduction	Total Annual Summer kW Reduction
2000	6,211	628	633	31,054	3,139	3,166
2001	6,211	628	633	62,108	6,278	6,332
2002	6,211	628	633	93,162	9,418	9,498
2003	6,211	628	633	124,216	12,557	12,664
2004	6,211	628	633	155,270	15,696	15,830
2005	6,211	628	633	186,325	18,835	18,995
2006	6,211	628	633	217,379	21,974	22,161
2007	6,211	628	633	248,433	25,114	25,327
2008	6,211	628	633	279,487	28,253	28,493
2009	6,211	628	633	310,541	31,392	31,659

Impact Evaluation Plan

FPC uses on-site metering to measure the generation capability of each Standby Generation program participant to reduce load at the time they join the program. The customer and a FPC representative will observe the metering tests to determine the load that the standby generator carries. This system testing will also determine the initial readings that will be recorded in order to determine the incentive that the customer will receive on their bill each month. Engineering analysis is used to estimate on-going program savings for each participant based upon monitoring their generator usage.

Cost Effectiveness

The economic results of the program are as follows.

Cost-Effectiveness Test	NPV Benefits (000\$)	NPV Costs (000\$)	NPV Net Benefits (000\$)	B/C Ratio
Rate Impact Measure	7,816 <u>7,226</u>	886 <u>6,323</u>	6,931 <u>903</u>	1.14
Participant	214 <u>5,598</u>	0	214 <u>5,598</u>	9999
Total Resource Cost	7,816 <u>7,226</u>	674 <u>725</u>	7,144 <u>6,501</u>	9.98 <u>9.97</u>

G. INTERRUPTIBLE SERVICE PROGRAM

Program Start Date: ▶ 1996 for the IS-2 and IST-2 rate schedules.

Policies and Procedures

The Interruptible Service (IS) program is a direct load control program that reduces FPC's demand at times of capacity shortage during peak or emergency conditions. The program is available throughout the entire territory served by FPC to any non-residential customer who is willing to have their power interrupted. The program is currently offered through the Interruptible General Service (IS-2) and Interruptible General Service Time of Use (IST-2) rate schedules. The IS-1 and IST-1 rate schedules were closed to new customers in 1996, but remain active for those customers that were grandfathered onto the rate.

FPC will have remote control of the circuit breaker or disconnect switch supplying the customer's equipment. If purchased power is available at the time of potential interruption, customers who choose not to have their load interrupted will be assessed at the price of that purchased power supplied. Customers participating in the Interruptible Service program will receive a monthly interruptible demand credit based on their billing demand and billing load factor. The general program eligibility requirements to qualify for participation are as follows:

- Customer must be eligible for service under the IS-2 ± or IST-2 ± Rate Schedules.
- Average billing demand must be 500 kW or more.
- Available at primary, transmission, and secondary service voltages.

Program Participation

Cumulative participation estimates for the program are shown in the following table.

Year	Total Number of Customers [1]	Total Number of Eligible Customers	Annual Number of Program Participants	Cumulative Penetration Level (%)
2000	163,576	869	0	0
2001	166,984	891	0	0
2002	170,356	913	1	0
2003	173,705	936	1	0
2004	177,016	959	1	0
2005	180,239	983	1	0
2006	183,373	1,008	2	0
2007	186,419	1,033	2	0
2008	189,416	1,059	2	0
2009	192,406	1,086	2	0

1. Total Number of Customers is the forecast of all commercial and industrial customers, from the June 1999 forecast.

H. CURTAILABLE SERVICE PROGRAM

Program Start Date: • 1996 for the CS-2 and CST-2 rate schedules.

Policies and Procedures

The Curtailable Service (CS) program is a direct load control program that will reduce FPC's demand at times of capacity shortage during peak or emergency conditions. The program is available throughout the entire territory served by FPC to any non-residential customer who agrees to curtail 25% of their average monthly billing demand. The program is currently offered through the Curtailable General Service (CS-2) and Curtailable General Service Time of Use (CST-2) rate schedules. The CS-1 and CST-1 rate schedules were closed to new customers in 1996, but remain active for those customers that were grandfathered onto the rate.

FPC will have remote control of the circuit breaker or disconnect switch supplying the customer's equipment. If purchased power is available at the time of potential curtailment, customers who choose not to reduce their load will be assessed at the price of that purchased power. Customers participating in the Curtailable Service program receive a monthly curtailable demand credit based on their curtailable demand and billing load factor. The general program eligibility requirements to qualify for participation are as follows:

- Customer must be eligible for service under the CS-2 ± or CST-2 ± Rate Schedules.
- Average billing demand must be 500 kW or more.
- Available at primary, transmission, and secondary service voltages.

Program Participation

Cumulative participation estimates for the program are shown in the following table.

Year	Total Number of Customers [1]	Total Number of Eligible Customers	Annual Number of Program Participants	Cumulative Penetration Level (%)
2000	163,576	869	0	0
2001	166,984	891	0	0
2002	170,356	913	0	0
2003	173,705	936	0	0
2004	177,016	959	0	0
2005	180,239	983	0	0
2006	183,373	1,008	0	0
2007	186,419	1,033	0	0
2008	189,416	1,059	0	0
2009	192,406	1,086	0	0

1. Total Number of Customers is the forecast of all commercial and industrial customers, from the June 1999 forecast.