Gulf Power Company 500 Bayfront Parkway Post Office Box 1151 Pensacola, FL 32520-0781 Telephone 904 444-6231



Susan D. Cranmer Assistant Secretary and Assistant Treasurer

the southern electric system

960897 - EI

August 7, 1996

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WAS .

Ms. Blanca S. Bayo, Director Division of Records and Reporting Florida Public Service Commission 2540 Shumard Oak Boulevard Tallahassee FL 32399-0870

Dear Ms. Bayo:

Enclosed are an original and fifteen copies of Gulf Power Company's Petition for Approval of New Demand Side Management Program regarding mail-in energy audits.

Also enclosed is a 3.5 inch double sided, high density diskette containing the Petition in WordPerfect for Windows 6.1 format as prepared on a MS-DOS based computer.

Sincerely,

NA -8 P

CC:

RECEIVED & FILED

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Cosure

Beggs and Lane Jeffrey A. Stone, Esquire

DOCUMENT NUMBER-DATE

08318 AUG-8#

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Gulf Power Company's)	
Mail-In Energy Audit) Docket No:) Filed: August 8, 1996	960897-

GULF POWER COMPANY'S PETITION FOR APPROVAL OF NEW DEMAND SIDE MANAGEMENT PROGRAM

Gulf Power Company ["Gulf Power", "Gulf", or "the Company"], by and through its undersigned counsel, and pursuant to Section 366.82 (5) of the Florida Statutes and Rule 25-17.015 of the Florida Administrative Code, respectfully submits this petition for approval of a new demand side management program to be included in Gulf's demand side management plan. In support of this petition, Gulf Power states:

 Notices and communications with respect to this petition and docket should be addressed to:

> Jeffrey A. Stone Russell A. Badders Beggs & Lane P.O. Box 12950 Pensacola, FL 32576

Susan D. Cranmer Assistant Secretary and Assistant Treasurer Gulf Power Company P.O. Box 13470 Pensacola, FL 32591-3470

- Gulf Power Company is an electric utility providing retail electric service to customers within northwest Florida and pursuant to Chapter 366, Florida Statutes, is regulated by the Florida Public Service Commission as a public utility.
- 3. Gulf hereby requests authority from the Commission to implement the Commercial Mail-In Energy Audit program ("Program"), as part of the Company's approved conservation plan. In addition, Gulf requests approval from the Commission to include the Program for cost

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recovery in Gulf's Conservation Cost Recovery Factor.

- 4. The details of the Commercial Mail-In Energy Audit program, as well as the Program's cost effectiveness and program participation standards, are set forth in Exhibit 1 attached hereto. Briefly, the purpose of the Program is to involve in energy conservation the business owner, management or person responsible for energy related decisions for the business. The Program will be available to all Commercial/Industrial customers. The results generated through the Program are expected to identify specific recommendations that the customer can implement to reduce their energy consumption. Additional information will accompany the results provided to the customer and will include information on energy management strategies and new technologies.
- 5. The Company expects this Program to return benefits of approximately 50% of those stated in Docket No 941172-EI, which would be a 0.8 kW reduction per audit and an annual 2943 kWh reduction per audit. The estimated cost per program participant is \$69.00. The estimated cost per participant has been utilized as an input in the cost-effectiveness calculation showing that this program is cost-effective pursuant to the Commission's approved methodology set forth in Rule 25-17.008, Florida Administrative Code.
- Program monitoring and evaluation will be through follow-up visits with the customer and through he Company's existing Marketing Reporting System.

WHEREFORE, Gulf Power Company respectfully requests that the Florida Public Service Commission approve Gulf Power Company's Commercial Mail-In Energy Audit program as a new program in its conservation plan and for cost recovery through the conservation cost recovery clause.

Respectfully submitted,

JEFFREY A. STONE

Florida Bar No. 325953

RUSSELL A. BADDERS

Florida Bar No. 7455

Beggs & Lane

P. O. Box 12950

Pensacola, Florida 32576-2950

(904) 432-2451

Attorneys for Gulf Power Company

EXHIBIT 1

COMMERCIAL MAIL-IN ENERGY AUDIT

Program Description

The Commercial Mail-In Energy Audit program is a direct mail energy auditing program.

This program will be an extension of Gulf's existing Commercial Energy Audit program and will assist in the evaluation of the specific energy requirements of a given business type.

Gulf will mail an introductory letter and Commercial Mail-In Energy Audit questionnaire to the businesses. The letter will explain how the program works and the benefits the customer will receive by participating. Businesses will then complete the questionnaire on their own or may request the assistance of a Gulf Power representative. The questionnaire will asks customers about their energy consuming equipment or appliances, square footage, hours of operation and other detailed questions regarding their existing energy practices and business operations.

Completed surveys will be returned to Gulf or its agent to be analyzed and processed to generate a personalized customer analysis. This analysis will identify specific recommendations the participant can implement to reduce their energy consumption. A Gulf representative will deliver the completed analysis to the customer and provide any

follow-up assistance needed by the customer to aid in implementation of the recommendations made in the analysis.

Participation Standards

The Commercial Mail-In Energy Audit program will be available to all Commercial customers. Initial emphasis will be placed on those customers with billing demands of 150 kW or less. The program is designed to involve the business owner, management or person responsible for energy related decisions for the business.

Benefits and Cost

Benefits for Gulf's customers are achieved through the customers' participation in the program. The customer analysis is specific to each customer's survey responses and business type. The analysis makes customer specific recommendations for improving profitability by lowering energy cost. After reviewing the customer's energy use, analysis provides the customer with energy management strategies to enhance their overall business operations. New technologies and other ideas are provided to help individual businesses control energy costs.

The Commercial Mail-In Energy Audit program is an extension of Gulf's Commercial Energy Audit program as filed in Docket No. 941172-EI. The Company expects the results from The Commercial Mail-In Energy Audit program to be similar to the existing Commercial Energy Audit program since the implementation process mirrors that of the existing program. The current steps include:

- 1. Customer Contact
- 2. Survey Completion
- 3. Survey Analysis
- 4. Delivery of analysis and follow-up with customer by company representative The Company expects benefits to be 50% of those stated in Docket No. 941172-EI, therefore a 0.8 kW reduction per audit and an annual 2943 kWh reduction per audit is expected. An estimated cost of \$69.00 per participant has been calculated and is used in the cost-effectiveness calculations.

Monitoring and Evaluation

Gulf Power will validate customer load information during the follow-up visit conducted by the company representative. Gulf Power also will monitor this program through its existing Marketing Reporting System (MRS) which will enable the tracking of participating customers.

Surveys will be conducted with customers who participate in the program to establish levels of customer satisfaction with the program process and the information it provides.

Dependent upon the level of participation, interviews may also be conducted with nonparticipants to assess reasons for non-participation.

Cost Effectiveness

This program is cost-effective using the Commission's approved methodology (Rule 25-17.008). The summary tables are included in Attachment A. The cost-effectiveness runs are included in Attachment B.

INPU	T DATA PART 1	
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	DSM_RULE PROGRAM	1841

PSC FORM CE 1.1 PAGE 1 OF 1 Run date: 25-Jul-96 10:09 AM

PROGRAM DEMAND SAVINGS AND LINE LOSSES		IV. AVOIDED GENERATOR, TRANS, AND DIST. COSTS	
(1) CUSTOMER KW REDUCTION AT THE METER (2) GENERATOR KW REDUCTION PER CUSTOMER (3) KW LINE LOSS PERCENTAGE (4) GENERATION KWH REDUCTION PER CUSTOMER (5) KWH LINE LOSS PERCENTAGE (6) GROUP LINE LOSS MULTIPLIER (7) CUSTOMER KWH PROGRAM INCREASE AT METER (8)* CUSTOMER KWH REDUCTION AT METER CUSTOMER KW REDUCTION AT METER (Winter)	0.80 KW/CUST 1.04 KW GENICUST 12.6 % 3.169.6 KWHICUSTIYR 7.7 % 1.0034 0.0 KWHICUSTIYR 2.943.0 KWHICUSTIYR	(1) BASE YEAR (2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT (3) IN-SERVICE YEAR FOR AVOIDED T & D (4) BASE YEAR AVOIDED GENERATING UNIT COST (5) BASE YEAR AVOIDED TRANSMISSION COST (6) BASE YEAR DISTRIBUTION COST (7) GEN. TRAN, & DIST COST ESCALATION RATE (8) GENERATOR FIXED O & M COST (9) GENERATOR FIXED O & M COST (10) TRANSMISSION FIXED O & M COST (11) TAD FIXED O & M COST (11) TAD FIXED O & M COST	1996 1997 1997 0.00 \$KW 54.00 \$KW 27.00 \$KW 3.25 % 0.00 \$KWYR 2.80 % 0.32 \$KWYR 0.00 \$KWYR 0.00 \$KWYR
(1) STUDY PERIOD FOR CONSERVATION PROGRAM (2) GENERATOR ECONOMIC LIFE (3) T & D ECONOMIC LIFE (4) K FACTOR FOR GENERATION (5) K FACTOR FOR T & D (6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1)	30 YEARS 40 YEARS 30 YEARS 1.4851 1.4851	(1.) AVOIDED GEN UNIT VARIABLE O & M COSTS (14) GENERATOR VARIABLE O&M COST ESCALATION RATE (15) GENERATOR CAPACITY FACTOR (16) AVOIDED GENERATING UNIT FUEL COST (17) AVOIDED GEN UNIT FUEL ESCALATION RATE (18)* AVOIDED PURCHASE CAPACITY COST PER KW (19)* CAPACITY COST ESCALATION RATE	0.000 CENTS/KWH 3.10 % 3.40 % 2.780 CENTS/KWH 4.5 % 27.82 \$/KWYR 2.65 %
(1) UTILITY NONRECURRING COST PER CUSTOMER (2) UTILITY RECURRING COST PER CUSTOMER	69:00 SICUST 0:00 SICUSTIYR	V. NON-FUEL ENERGY AND DEMAND CHARGES	
(4) CUSTOMER EQUIPMENT COST (5) CUSTOMER EQUIPMENT ESCALATION RATE (6) CUSTOMER O & M COST (7) CUSTOMER O & M ESCALATION RATE (8) CUSTOMER TAX CREDIT PER INSTALLATION (9) CUSTOMER TAX CREDIT ESCALATION RATE (10)* INCREASED SUPPLY COSTS (11)* SUPPLY COSTS ESCALATION RATE (12)* UTILITY DISCOUNT RATE (13)* UTILITY AFUDC RATE (14)* UTILITY AFUDC RATE (14)* UTILITY RECURRING REBATE/INCENTIVE (15)* UTILITY RECURRING REBATE/INCENTIVE	3.25 % 0.00 S/CUST 3.25 % 0.00 S/CUST/YR 3.25 % 0.00 S/CUST 0.00 % 0.00 S/CUST/YR 0.00 % 8.47% 7.27% 0.00 S/CUST/YR 0.00 S/CUST/YR 0.00 S/CUST/YR 0.00 S/CUST/YR	(1) NON-FUEL COST IN CUSTOMER BILL (2) NON-FUEL ESCALATION RATE (3) CUSTOMER DEMAND CHARGE PER KW (4) DEMAND CHARGE ESCALATION RATE (5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT FACTOR FOR CUSTOMER BILL File CNCE_RULEV-irefx.WK4 TOTAL RESOURCE TEST: ERR	1.300 CENTS/KWH 1.15 % 4.56 \$/KW/MO 1.15 % 1.00
	(1) CUSTOMER KW REDUCTION AT THE METEP (2) GENERATOR KW REDUCTION PER CUSTOMER (3) KW LINE LOSS PERCENTAGE (4) GENERATION KWH REDUCTION PER CUSTOMER (5) KWH LINE LOSS PERCENTAGE (6) GROUP LINE LOSS MULTIPLIER (7) CUSTOMER KWH PROGRAM INCREASE AT METER (8)* CUSTOMER KWH PROGRAM INCREASE AT METER CUSTOMER KW REDUCTION AT METER (Winter) CUSTOMER KW REDUCTION AT METER (Winter) CONOMIC LIFE AND K FACTORS (1) STUDY PERIOD FOR CONSERVATION PROGRAM (2) GENERATOR ECONOMIC LIFE (3) T & D ECONOMIC LIFE (4) K FACTOR FOR GENERATION (5) K FACTOR FOR T & D (6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1) UTILITY AND CUSTOMER COSTS (1) UTILITY RECURRING COST PER CUSTOMER (2) UTILITY RECURRING COST PER CUSTOMER (3) UTILITY COST ESCALATION RATE (4) CUSTOMER EQUIPMENT COST (5) CUSTOMER EQUIPMENT COST (6) CUSTOMER EQUIPMENT COST (7) CUSTOMER O & M COST (8)* CUSTOMER TAX CREDIT PER INSTALLATION (9)* CUSTOMER TAX CREDIT PER INSTALLATION (10)* INCREASED SUPPLY COSTS (11)* SUPPLY COSTS ESCALATION RATE (12)* UTILITY DISCOUNT RATE (13)* UTILITY DISCOUNT RATE (14)* UTILITY ON RECURRING REBATE/INCENTIVE (14)* UTILITY FOOR RECURRING REBATE/INCENTIVE (14)* UTILITY FOOR RECURRING REBATE/INCENTIVE (14)* UTILITY ON RECURRING REBATE/INCENTIVE	(1) CUSTOMER KW REDUCTION AT THE METEP (2) GENERATOR KW REDUCTION PER CUSTOMER (3) KW LINE LOSS PERCENTAGE (4) GENERATION KWH REDUCTION PER CUSTOMER (5) KWH LINE LOSS PERCENTAGE (7) CUSTOMER KWH PROGRAM INCREASE AT METER (8) GROUP LINE LOSS MULTIPLIER (8) CUSTOMER KWH PROGRAM INCREASE AT METER (8) CUSTOMER KWH REDUCTION AT METER (8) CUSTOMER KWH REDUCTION AT METER (Winter) (9) CUSTOMER KWH REDUCTION AT METER (Winter) (1) STUDY PERIOD FOR CONSERVATION PROGRAM (2) GENERATOR ECONOMIC LIFE (3) T & D ECONOMIC LIFE (4) K FACTOR FOR T & D (6) SWITCH REV REQID) OR VAL-OF-DEF (1) UTILITY AND CUSTOMER COST (1) UTILITY NONRECURRING COST PER CUSTOMER (2) UTILITY RECURRING COST PER CUSTOMER (3) UTILITY COST ESCALATION RATE (4) CUSTOMER EQUIPMENT COST (5) CUSTOMER EQUIPMENT ESCALATION RATE (6) CUSTOMER O & M ESCALATION RATE (7) CUSTOMER O & M ESCALATION RATE (8) CUSTOMER TAX CREDIT PER INSTALLATION (9) CUSTOMER TAX CREDIT PER INSTALLATION (10) INCREASED SUPPLY COSTS (11) UTILITY AND RECURRING REBATE/INCENTIVE (12) UTILITY FOR CUSTOM RATE (13) UTILITY OST ESCALATION RATE (14) UTILITY DISCOUNT RATE (15) UTILITY FROOR RATE (16) CUSTOMER TAX CREDIT PER INSTALLATION (17) SUPPLY COSTS ESCALATION RATE (18) CUSTOMER TAX CREDIT PER INSTALLATION (19) CUSTOMER TAX CREDIT PER INSTALLATION (10) INCREASED SUPPLY COSTS (11) UTILITY PROCURRING REBATE/INCENTIVE (11) UTILITY FROOR RATE (12) UTILITY FROOR RATE (13) UTILITY FROOR RATE (14) UTILITY ON RECURRING REBATE/INCENTIVE (15) UTILITY FROOR RATE (16) USSOMER TAX CREDIT PER CUSTOMER (17) UTILITY FROOR RATE (18) CUSTOMER TAX CREDIT PER CUSTOMER (19) UTILITY FROOR RATE (19) UTILITY FROOR RAT	(1) CUSTOMER KW REDUCTION AT THE METEP

PARTICIPANT TEST:

RATE IMPACT TEST:

ERR

1.10

STOP REV LOSS: NO

*SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

6

(1)	(2)	(3)	(4) UTILITY AVERAGE	(5)	(6)	n	(8)	(9)	(10)	(11)
	CUMULATIVE	ADJUSTED	SYSTEM	AVOIDED	INCREASED		PROGRAM	PROGPAM .	OTHER	OTHER
	TOTAL	CUMULATIVE	FUEL	MARGINAL	MARGINAL	REPLACE MENT	KW	KWH	COSTS	BENEFITS
	PARTICIPATING	PARTICIPATING	COSTS	FUEL COST	FUEL COST	FUEL COST		EFFECTIVENESS	00010	DETERMINE
YEAR	CUSTOMERS	CUSTOMERS	(C/KWH)	(C/KWH)	(C/KWH)	(C/KWH)	FACTOR	FACTOR	(\$000)	(\$000)
1996	0	0	2.06	1.46	1.48	1.47	1.00	1.00	0	0
1997	1,000	1,000	2.20	1.56	1.60	1.58	1.00	1.00	0	0.
1998	2,000	2,000	2.11	1.70	1.74	1.72	1.00	1.00	0	0
1999	3,000	3,000	2.08	1.77	1.82	1.80	1.00	1.00	0	0
2000	4,000	4,000	1.96	1.86	1.91	1.89	1.00	1.00	0	0
2001	5,000	5,000	1.85	2.02	2.08	2.06	1.00	1.00	0	0
2002	5,000	5.000	1.86	2.07	2.14	2.12	1.00	1.00	0	0
2003	5,000	5,000	1.93	2.36	2.44	2.42	1.00	1.00	0	0
2004	5,000	5,000	2.00	2.49	2.59	2.56	1.00	1.00	0	0
2005	5,000	5,000	2.10	2.77	2.87	2.84	1.00	1.00	0	0
2006	5,000	5,000	2.19	3.00	3.11	3.08	1.00	1.00	0	0
2007	5,000	5,000	2.26	3.27	3.38	3.35	1.00	1.00	0	0
2008	5,000	5,000	2.35	3.53	3.66	3.62	1.00	1.00	0	0
2009	5.000	5,000	2.45	3.95	4.08	4.04	1.00	1.00	0	0
2010	5,000	5,000	2.33	4.32	4.45	4.41	1.00	1.00	0	0
2011	5,000	5,000	2.41	4.76	4.90	4.85	1.00	1.00	0	0
2012	5,000	5,000	2.38	5.57	5.71	5.65	1.00	1.00	0	0
2013	5,000	5,000	2.42	5.81	5.95	5.89	1.00	1.00	0	0
2014	5,000	5,000	2.52	6.02	6.17	6.11	1.00	1.00	0	0
2015	5,000	5,000	2.63	6.27	6.43	6.37	1.00	1.00	0	0
2016	5,000	5,000	2.73	6.52	6.69	6.62	1.00	1.00	0	0
2017	5,000	5,000	2.88	6.78	6.96	6.89	1.00	1.00	0	0
2018	5,000	5,000	3.06	7.05	7.24	7.17	1.00	1.00	0	0
2019	5,000	5,000	3.20	7.33	7.53	7.46	1.00	1.00	0	0
2020	5,000	5,000	3.34	7.64	7.85	7.78	1.00	1.00	0	0
2021	5,000	5,000	3.49	7.97	8.19	8.12	1.00	1.00	0	0
2022	5,000	5,000	3.65	8.32	8.55	8.47	1.00	1.00	0	0
2023	5,000	5,000	3.42	8.68	8.93	8.85	1.00	1.00	0	0
2024	5.000	5,000	4.00	9.07	9.33	9.24	1.00	1.00	0	0
2025	5.000	5,000	4.18	9.48	9.75	9.66	1.00	1.00	0	0
								SOLD RESERVE TO SERVE THE SE		

TOTAL RESOURCE COST TESTS

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DSM_RULE PROGRAM

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INCREASED UTILITY PARTICIPANT PROGRAM	CUMULATIVE DISCOUNTED
SUPPLY PROGRAM PROGRAM OTHER TOTAL AVOIDED AVOIDED FUEL OTHER TOTAL	NET NET
COSTS COSTS COSTS COSTS GEN UNIT T & D SAVINGS BENEFITS BENEFITS BENEFITS BENEFITS	BENEFITS BENEFITS
YEAR \$(000) \$(000) \$(000) \$(000) \$(000) \$(000) \$(000) \$(000)	\$(000) \$(000)
1996 0 0 0 0 0 0 0 0 0	0 0 0
	59 59 54
1998 0 0 0 0 0 0 69 8 81 0 159 21	
1999 0 0 0 0 0 0 106 17 141 0 264 48	
2000 0 0 0 0 0 0 146 26 208 0 379 86	
2001 0 0 0 0 0 0 186 36 290 0 511 1,37	
2002 0 0 0 0 0 0 192 45 330 0 567 1,93	
2003 0 0 0 0 0 0 194 47 376 0 617 2,55	
2004 0 0 0 0 0 0 199 48 397 0 645 3.20	
2005 0 0 0 0 0 0 202 50 442 0 694 3.85	
2006 0 0 0 0 0 0 206 52 478 0 736 4,63	
2007 0 0 0 0 0 0 210 53 521 0 785 5,41	774.7 M 10.7 M 10
2008 0 0 0 0 0 0 214 55 563 0 832 6,24	
2009 0 0 0 0 0 0 216 57 630 0 903 7.15	
2010 0 0 0 0 0 0 219 59 689 0 967 8,11	
2011 0 0 0 0 0 0 222 61 759 0 1,041 9,15	
2012 0 0 0 0 0 0 219 63 888 0 1,169 10,32	
2013 0 0 0 0 0 0 225 65 926 0 1,215 11,54	
2014 0 0 0 0 0 0 231 67 960 0 1,258 12,80	
2015 0 0 0 0 0 0 238 69 1,000 0 1,306 14,10	
2016 0 0 0 0 0 0 234 71 1,039 0 1,355 15,46	
2017 0 0 0 0 0 0 251 74 1,039 0 1,335 13,45	
2018 0 0 0 0 0 0 259 76 1,124 0 1,458 18,32	
2021 0 0 0 0 0 0 281 84 1,271 0 1,635 23,04	
2022 0 0 0 0 0 0 288 86 1,326 0 1,701 24,74	
2023 0 0 0 0 0 0 296 89 1,384 0 1,769 26,51	
2024 0 0 0 0 0 0 0 304 92 1,446 0 1,842 28,35	
2025 0 0 0 0 0 0 312 95 1,511 0 1,919 30,27	77 1,919 7,668
NOMINAL 0 0 0 0 0 6,302 1,703 22,272 0 30,277	30,277
NPV: 0 0 0 0 0 1,901 466 5,302 0 7,668	7,668

Discount Rate 8.47% Benefit/Cost Ratio: col (11) / col (6)

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PARTICIPANT COSTS AND BENEFITS Mailinau DSM RULE PROGRAM

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(2) (4) (5) (E) (7) (8) (9) (10) (1) (3) (11) (12)SAVINGS CUSTOMER CUSTOMER IN CUMULATIVE EQUIPMENT O&M OTHER TOTAL PARTICIPANT TAX UTILITY OTHER TOTAL NET DISCOUNTED REBATES COSTS COSTS COSTS COSTS BILL CREDITS BENEFITS BENEFITS **NET BENEFITS** BENEFITS YEAR \$(000) \$(000) \$(000) \$(000) \$(000) \$(000) \$(000) \$(000) \$(000) \$(000) \$(000) 1,162 1,798 1,328 2,513 1,767 3,242 2.179 3.986 2,568 4.750 2.935 5.534 3.282 6.333 3,609 7.151 3.917 n 7,989 4,208 4.472 8.813 9,657 4,721 10.501 4,951 11,356 5,166 12,232 5,368 13,130 5,560 5,740 14,048 14,995 5.912 15,974 6,075 1,007 1,007 16,981 1.007 6,230 1,032 1,032 18,014 1,032 6,377 1,061 1,061 19,074 1,061 6,516 1,091 1,091 20,165 1,091 6,647 1.063 1.063 21.228 1.063 6.766 1,155 1.155 22,383 1,155 6.884 1,189 1,189 23,572 1,189 6,996 NOMINAL 23,572 23,572 23,572 NPV: 6,996 6,996 6,996 In service year of gen unit: Discount rate: 8.47% ERR Benefit/Cost Ratio: col (10) / col (5)

RATE IMPACT TEST
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DSM_RULE PROGRAM

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	(1)	(2)	(3)	(4)	(5)	(6)	(7)		(8)	(9)		(10)	(11)	(12)		(13)	(14)
									AVOIDED		-					NET	CUMULATIVE
		INCREASED	UTILITY						GEN UNIT A	VOID D P	ROGRAM						DISCOUNTED
		SUPPLY	PROGRAM		REVENUE	OTHER	TOTAL	ACCUM:	UNIT		FUEL	REVENUE	OTHER	TOTAL	ACCUM:	TO ALL	NET
		COSTS	COSTS	INCENTIVES	LOSSES	COSTS	COSTS		BENEFITS B	ESPECIAL PROPERTY.	CA SHOW THE RESIDENCE		BENEFITS	BENEFITS		CUSTOMERS	BENEFIT*
	YEAR	FILE OF STREET	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)		\$(000)	\$(000)	: (000)	\$(000)	\$(000)	\$(000)		\$(000)	\$(000)
	1996	0	0	0	0	0	0	0	0	0	0	0	0	0		0	
	1997	0	0	0	74	0	74	74	34	0		0	0	59	59	(15)	0
	1998	0	0	0	219	0	219	293	69	8	25 81	0	0	159	217	(61)	(14) (66)
	1999	0	0	0	366	0	366	659	106	17	141	0	0	264	482	(102)	(145)
	2000	0	0	0	503	0	503	1,162	148	26	208	0	0	379	861	(124)	(235)
	2001	0	0	0	636	0	636	1.798	186	36	290	0	0	511	1,372	(125)	(318)
	2002	0	0	0	714	0	714	2,513	192	45	330	0	0	567	1,939	(147)	(408)
	2003	0	0	0	729	0	729	3.242	194	47	376	0	0	617	2,557	(112)	(472)
	2004	0	0	0	744	0	744	3,986	199	48	397	0	0	645	3,201	(100)	(523)
	2005	0	0	0	764	0	764	4,750	202	50	442	0	0	694	3.895	(70)	(557)
	2006	0	0	0	784	0	784	5.534	206	52	478	0	0	738	4.631	(47)	(578)
	2007	0	0	0	799	0	799	6,333	210	53	521	0	0	785	5,416	(15)	(584)
	2008	0	0	0	818	0	818	7,151	214	55	563	0	0	832	6,248	14	(579)
	2009	0	0	0	838	0	838	7,989	216	57	630	0	0	903	7,151	65	(556)
	2010	0	0	0	825	0	825	8,813	219	59	689	0	0	967	8,118	142	(511)
	2011	0	0	0	843	0	843	9,657	222	61	759	0	0	1,041	9,159	198	(452)
	2012	0	0	0	845	0	845	10,501	219	63	888	0	0	1,169	10,328	325	(364)
	2013	0	0	0	855	0	855	11,356	225	65	926	0	0	1,215	11,543	361	(274)
	2014	0	0	0	876	0	876	12,232	231	67	960	0	0	1,258	12,801	382	(185)
0	2015	0	0	0	897	0	897	13,130	238	69	1,000	0	0	1,306	14,107	409	(98)
u	2016	0	0	0	918	0	918	14,048	244	71	1,039	0	0	1,355	15,462	437	(12)
	2017	0	0	0	947	0	947	14,995	251	74	1,081	0	0	1,406	16,868	458	71
	2018	0	0	0	979	0	979	15,974	259	76	1,124	0	0	1,458	18,326	479	151
	2019	0	0	0	1,007	0	1,007	16,981	266	78	1,169	0	0	1,513	19,839	506	229
	2020	0	0	0	1,032	0	1,032	18,014	273	81	1,218	0	0	1,572	21,411	540	305
	2021	0	0	0	1,061	0	1,061	19,074	281	84	1,271	0	0	1,635	23,046	574	381
	2022	0	0	0	1,091	0	1,091	20,165	288	86	1,326	0	0	1,701	24,747	610	454
	2023	0	0	0	1,063	0	1,063	21,228	296	89	1,384	0	0	1,769	26,517	706	533
	2024	0	0	0	1,155	0	1,155	22,383	304	92	1,446	0	0	1,842	28,359	687	603
	2025	0	0	0	1,189	0	1,189	23,572	312	95	1,511	0	0	1,919	30,277	730	672
					-					-							
	NOMINAL	0	0	0	23,572	0	23,572		6,302	1,703	22,272	0	0	30,277		6,705	
	NPV:	0	0	0	6,996	0	6,996		1,901	466	5,302	0	0	7,668		672	

Discount rate: Benefit / Cost Ratio - Col (12)/Col (7) 8.47% 1.10

Program Name: Commercial/Industrial Mail-in Energy Audit

SSOM	At the Motor									
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				
1997	2.943	0.80	0.80	2,943,000	800	800				
1998	2,943	0.80	0.80	2,943,000	800	800				
1999	2,943	0.80	0.80	2,943,000	800	800				
2000	2,943	0.80	0.80	2,943,000	800	800				
2001	2,943	0.80	0.80	2,943,000	800	800				

			At the Gene	rator		
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
1997	3,170	1.04	1.04	3,169,611	1,040	1,040
1998	3,170	1.04	1.04	3,169,611	1,040	1,040
1999	3,170	1.04	1.04	3,169,611	1,040	1,040
2000	3,170	1.04	1.04	3,169,611	1,040	1,040
2001	3,170	1.04	1.04	3,169,611	1,040	1,040

Year	(a) Total Number of Customers	(b) Total Number of Eligible Customers	(c) Annual Number of Program Participants	(d) Cumulative Penetration Level %	(e) Cumulative Number of Program Participants
1997	31,986	31,346	1,000	3.19%	1,000
1998	32,648	31,995	1,000	6.25%	2,000
1999	33,325	32,659	1,000	9.19%	3,000
2000	34,003	33,323	1,000	12.00%	4,000
2001	34,699	34,005	1,000	14.70%	5,000

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Gulf Power Company's)				
Mail-In Energy Audit	Docket No.			

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