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ORIGINAL

June 4, 2007

HAND DELIVERED

RECEIVED FPSC
07 JUN -4 PM 4:00
COMMISSION
CLERK

Ms. Ann Cole, Director
Division of Commission Clerk
and Administrative Services
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

Re: Petition for approval of extension and permanent status of price responsive load management pilot program, by Tampa Electric Company; FPSC Docket No. 070056-EG

Dear Ms. Cole:

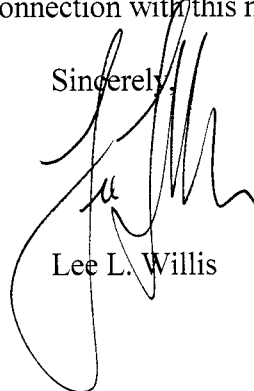
Enclosed for filing in the above docket are the original and seven (7) copies of Tampa Electric Company's Petition for Approval of a Permanent Residential Price Responsive Load Management Program.

Please acknowledge receipt and filing of the above by stamping the duplicate copy of this letter and returning same to this writer.

Thank you for your assistance in connection with this matter.

CMP _____
COM _____
CTR _____
ECR 1 _____
GCL 1 _____
OPC _____
RCA _____ LLW/pp
SCR _____ Enclosure
SGA _____
SEC _____
OTH _____

Sincerely,



Lee L. Willis

DOCUMENT NUMBER-DATE

04523 JUN-4 06

FPSC-COMMISSION CLERK

ORIGINAL

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Petition by Tampa Electric Company)
for Approval of a Permanent Residential Price)
Responsive Load Management Program)

DOCKET NO. 070056-EG
Filed: June 4, 2007

PETITION BY TAMPA ELECTRIC COMPANY
FOR APPROVAL OF A PERMANENT RESIDENTIAL PRICE RESPONSIVE LOAD
MANAGEMENT PROGRAM

Tampa Electric Company ("Tampa Electric" or "the company") pursuant to Section 366.075, Florida Statutes and Rule 25-17.015 (4), Florida Administrative Code, files this petition with the Florida Public Service Commission ("the Commission") for approval of the transition of the company's pilot Residential Price Responsive Load Management program to a permanent program and key component of the company's Demand Side Management ("DSM") Plan. In support of this petition the company states:

1. The name, address and telephone number of the petitioner are as follows:

Tampa Electric Company
Post Office Box 111
Tampa, FL 33601
(813) 228-4111
(813) 228-1770 (fax)

2. Tampa Electric requests that copies of all pleadings, orders, notices and other documents submitted in this proceeding be furnished to the following:

Paula Brown
Administrator, Regulatory Coordination
Tampa Electric Company
Post Office Box 111
Tampa, FL 33601
(813) 228-1444
(813) 228-1770 (fax)

Lee L. Willis
James D. Beasley
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(850) 222-7952 (fax)

DOCUMENT NUMBER-DATE

04523 JUN-4 07

FPSC-COMMISSION CLERK

3. In this petition, Tampa Electric seeks approval to (a) transition the company's existing pilot Residential Price Response Load Management program to a permanent DSM program, (b) modify appropriate tariff sheets, and (c) allow Tampa Electric to recover expenses for the permanent program through the Energy Conservation Cost Recovery ("ECCR") clause.

Background

4. In Docket No. 040033-EG, Order No. PSC-05-0181-PAA-EG, issued February 16, 2005, the Commission approved Tampa Electric's pilot Price Responsive Load Management program as part of the company's 2005-2014 Ten-Year DSM Plan. The pilot was designed to determine the magnitude of reduction of weather sensitive peak loads that could be attained through offering customers a time-sensitive, multi-tiered rate in conjunction with control and communication devices installed in their residences. Subsequent to Commission approval of the pilot program, Tampa Electric began developing business relationships with vendors and contractors and selecting program participants. Installation of equipment, which included a two-way communication device and "smart" thermostat for each residence, began in May 2005. Data collection was initiated July 1, 2005.

5. The maximum duration of the pilot was anticipated to be 24 months. The main determination for the duration was the need for consistent, normal weather. Consistent summer data from the program was gathered and analyzed; however, Tampa Electric experienced mild winter weather and was unable to fully evaluate winter demand reduction. Therefore, the company petitioned for an extension of the pilot program in order to gather additional data during the 2006-2007 winter. This would allow for a more complete analysis of winter demand reduction and as well as annual energy savings. In Docket No. 070056-EG, Order No. PSC-07-

0151-PAA-EG, issued February 21, 2007, the Commission approved the pilot program extension through August 31, 2007.

Pilot Program Results

6. The extension of time granted by this Commission has allowed Tampa Electric to complete a comprehensive analysis of the pilot Residential Price Responsive Load Management program.

7. First, participating customers were educated as to the increasing cost of energy during times of higher demand. This was accomplished through a rate design that encouraged customers to shift energy consumption away from periods of higher demand and greater expense to periods of lower demand and less expense. In essence, the multi-tiered rates were designed to enable customers to decide when and how to operate specific appliances in their homes to better reflect the cost of energy. This gave the customers the choice to modify electric consumption in a manner that is good for them, Tampa Electric and of its ratepayers.

8. Second, through a series of customer surveys, Tampa Electric discovered participants are pleased with the pilot program. Eighty-nine percent of the participants liked the ability to have control over their energy usage, especially the capability to pre-program the major energy consuming appliances in their home, and would recommend the program to friends and relatives. In addition, 93 percent of the participants indicated they would like to remain on the program if it became a permanent offering.

9. Finally, the demand and energy reductions from the pilot program are very favorable. Summer and winter demand reductions and annual energy savings were determined to be 2.4 kW, 3.1 kW and 1,071 kWh, respectively. Results were determined using the pilot group of customers on the program compared to a control group. Periodic evaluations were

conducted throughout the pilot period to verify that the control group remained valid for comparison.

Program Permanency

10. Having concluded the pilot and identified the significant benefits to customers participating in the program, Tampa Electric requests permanent status for the company's Price Responsive Load Management Program. Appendix A to this petition contains the program description and standards for the proposed program. Appendix B contains the required cost-effectiveness tests results for the proposed program. Appendix C provides the 2007 proposed rates for the Price Responsive Load Management program. Appendix D includes Tariff revisions necessary to implement Tampa Electric's proposed program, in both clean and legislative format.

11. It is anticipated that the overall rates for the four tiers of the Price Responsive Load Management program will change annually and be established during the cost recovery hearings in November of each year prior to their effective date in the following January. Documentation supporting the proposed rates for the next year will be a component of Tampa Electric's annual ECCR Projection Filing.

12. Tampa Electric will begin marketing the program as soon as the permanent infrastructure has been established. Ultimately, the company anticipates a graduated participation increase to approximately 1,500 customers a year.

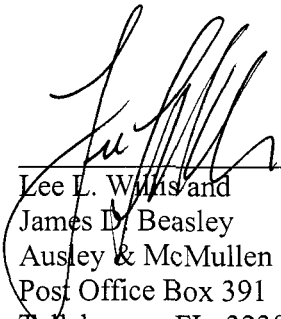
13. Tampa Electric is not aware of any disputed issues of material fact relative to the DSM program proposed herein. Tampa Electric's proposed Price Responsive Load Management program description and program standards, as reflected in Appendix A, should be approved, including the Tariff revisions to sheet nos. 6.020, 6.560, 6.565, 6.570 and 7.785 (Appendix C),

which are necessary to implement the proposed modifications. The Commission should authorize recovery of reasonable and prudent expenditures associated with Tampa Electric's proposed program through the company's ECCR clause. The statutes and rule which entitle Tampa Electric to relief are Sections 366.82(2), 366.06(1), and Florida Administrative Code Rule 25-17.0021 (2007).

WHEREFORE, Tampa Electric respectfully requests that the Commission: (1) approve Tampa Electric's proposed Price Responsive Load Management program description and program standards, as reflected in Appendix A to this petition, as well as the Tariff revisions in Appendix C, (2) authorize Tampa Electric to recover through its ECCR clause reasonable and prudent expenditures associated with the implementation of the proposed program, and (3) grant such other relief as may be appropriate. Further, Tampa Electric requests expedited treatment of this petition so that Tampa Electric's customers may realize the benefits of the proposed modifications in the near term.

DATED this 4th day of June, 2007.

Respectfully submitted,



Lee L. Willis and
James D. Beasley
Ausley & McMullen
Post Office Box 391
Tallahassee, FL 32302
(850) 224-9115
ATTORNEYS FOR TAMPA ELECTRIC
COMPANY

Appendix A

Program: Energy Planner - Residential Price Responsive Load Management

Program Start Date: 2007

Description:

The company's program relies on a multi-tiered rate structure combined with price signals conveyed to participating customers during the day. This price information is designed to encourage customers to make behavioral or equipment usage changes to their energy consumption thereby achieving the desired high cost period load reduction to assist in meeting system peak.

Price information from the utility is used by the customer to program a "smart" thermostat into preset actions based on the level of pricing. Equipment may be turned on, turned off or changed to a different temperature setting automatically by the smart thermostat or manually by the customer through the smart thermostat in response to either the multi-tiered rates or critical price signals.

Tampa Electric will install a communication device along with a "smart" thermostat at the participant's home that will be able to control the operation of selected appliances such as space heating, air conditioning, water heating and pool pumps. Customers will be able to program the operation of this equipment and alter their energy consumption based the price tiers occurring at specific times of the day.

Program Participation Standards:

1. Applicable to any single-family detached homes in Tampa Electric service area who signs a tariff agreement for the Residential Variable Pricing Program are eligible to participate.
2. Residences must have central heating and cooling systems to be eligible for participation. Window units are not eligible.
3. Hard-wired touch tone telephone service is required. Cellular or VOIP service is not compatible with program equipment.
4. Service entrance panel or house power panel rated at 200 amps or less is required.
5. Electric water heaters, pool pumps or other devices controlled by equipment provided through the program must be no larger than 30 amps and 240 volts.

6. Existing metering equipment must be compatible with the program management equipment.
7. Summer rate period – May 1 through October 31
8. Summer rate tiers will occur during the following times.

Week days	P 1	11 P.M. to 6 A.M.
	P 2	6 A.M. to 1 P.M. 6 P.M. to 11 P.M.
	P 3	1 P.M. to 6 P.M.
Weekends	P 1	11 P.M. to 6 A.M.
	P 2	6 A.M. to 11 P.M.
9. Winter rate period – November 1 through April 30
10. Winter rate tiers will occur during the following times.

Week days	P 1	11 P.M. to 5 A.M.
	P 2	5 A.M. to 6 A.M. 10 A.M. to 11 P.M.
	P 3	6 A.M. to 10 A.M.
Weekends	P 1	11 P.M. to 6 A.M.
	P 2	6 A.M. to 11 P.M.
11. The pricing period for the following observed holidays will be the same as the weekend hour price levels: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.
12. Critical price period (P 4) can occur at any time but will be limited to 1.5 percent of the year. (e.g., $.015 \times 8,760 = 131.4$ hrs.).
13. There is no additional participation fee for this program.

Program Savings:

Demand and energy savings were determined by comparing the energy consumption of the pilot price responsive load management customers with a non-participating control group verified to have similar energy usage

characteristics. Fifteen minute interval data was used to analyze both pilot and control samples. The resulting reductions in demand and energy are as follows:

Winter Demand 3.1 kW

Summer Demand 2.4 kW

Annual Energy 1,071

Program Costs:

Administration, Equipment installation & maintenance	\$1,281
Recurring Costs per customer	\$62
Recurring rate incentive	\$103

Program Monitoring and Evaluation

Interval data will be collected on a monthly basis and shall supply inputs necessary to confirm DSM cost-effectiveness as defined in Rule 25-17.008, F.A.C.

PROGRAM NAME: RESIDENTIAL PRICE RESPONSIVE LOAD MANAGEMENT

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*
2005	558,217	329,348	0	0.0%	0
2006	571,386	337,118	0	0.0%	0
2007	583,878	344,488	200	0.1%	200
2008	596,472	351,919	750	0.3%	950
2009	610,379	360,123	1,000	0.5%	1,950
2010	625,351	368,957	1,250	0.9%	3,200
2011	640,734	378,033	1,350	1.2%	4,550
2012	656,186	387,150	1,450	1.5%	6,000
2013	669,200	394,828	1,500	1.9%	7,500
2014	682,426	402,632	1,500	2.2%	9,000

PROGRAM NAME: RESIDENTIAL PRICE RESPONSIVE LOAD MANAGEMENT

AT THE METER						
Year	Per Customer kWh Reduction	Per Customer Winter kW Reduction	Per Customer Summer kW Reduction	Total Annual GWh Reduction	Total Annual Winter mW Reduction	Total Annual Summer mW Reduction
2005	1,071	3.100	2.400	0.000	0.000	0.000
2006	1,071	3.100	2.400	0.000	0.000	0.000
2007	1,071	3.100	2.400	0.214	0.620	0.480
2008	1,071	3.100	2.400	1.017	2.945	2.280
2009	1,071	3.100	2.400	2.088	6.045	4.680
2010	1,071	3.100	2.400	3.427	9.920	7.680
2011	1,071	3.100	2.400	4.873	14.105	10.920
2012	1,071	3.100	2.400	6.426	18.600	14.400
2013	1,071	3.100	2.400	8.033	23.250	18.000
2014	1,071	3.100	2.400	9.639	27.900	21.600

PROGRAM NAME: RESIDENTIAL PRICE RESPONSIVE LOAD MANAGEMENT

AT THE GENERATOR						
Year	Per Customer kWh Reduction	Per Customer Winter kW Reduction	Per Customer Summer kW Reduction	Total Annual GWh Reduction	Total Annual Winter mW Reduction	Total Annual Summer mW Reduction
2005	1,135	3.305	2.558	0.000	0.000	0.000
2006	1,135	3.305	2.558	0.000	0.000	0.000
2007	1,135	3.305	2.558	0.227	0.661	0.512
2008	1,135	3.305	2.558	1.078	3.139	2.430
2009	1,135	3.305	2.558	2.214	6.444	4.989
2010	1,135	3.305	2.558	3.633	10.575	8.187
2011	1,135	3.305	2.558	5.165	15.036	11.641
2012	1,135	3.305	2.558	6.812	19.828	15.350
2013	1,135	3.305	2.558	8.514	24.785	19.188
2014	1,135	3.305	3.305	10.699	28.966	23.026

Appendix B

INPUT DATA - PART 1
PROGRAM TITLE: Price Responsive Load Management

PSC FORM CE 1.1
 PAGE 1 OF 1
 RUN DATE: June 1, 2007

PROGRAM DEMAND SAVINGS & LINE LOSSES

I. (1) CUSTOMER KW REDUCTION AT THE METER	3.100 KW /CUST
I. (2) GENERATOR KW REDUCTION PER CUSTOMER	2.738 KW GEN/CUST
I. (3) KW LINE LOSS PERCENTAGE	6.6 %
I. (4) GENERATION KWH REDUCTION PER CUSTOMER	1139 KWH/CUST/YR
I. (5) KWH LINE LOSS PERCENTAGE	6.0 %
I. (6) GROUP LINE LOSS MULTIPLIER	1
I. (7) CUSTOMER KWH PROGRAM INCREASE AT METER	0 KWH/CUST/YR
I. (8)* CUSTOMER KWH REDUCTION AT METER	1071 KWH/CUST/YR

ECONOMIC LIFE & K FACTORS

II. (1) STUDY PERIOD FOR CONSERVATION PROGRAM	26 YEARS
II. (2) GENERATOR ECONOMIC LIFE	26 YEARS
II. (3) T & D ECONOMIC LIFE	26 YEARS
II. (4) K FACTOR FOR GENERATION	1.5983
II. (5) K FACTOR FOR T & D	1.5983
II. (6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1)	0

UTILITY & CUSTOMER COSTS

III. (1) UTILITY NONRECURRING COST PER CUSTOMER	1281.00 \$/CUST
III. (2) UTILITY RECURRING COST PER CUSTOMER	62.00 \$/CUST/YR
III. (3) UTILITY COST ESCALATION RATE	2.5 %
III. (4) CUSTOMER EQUIPMENT COST	0.00 \$/CUST
III. (5) CUSTOMER EQUIPMENT ESCALATION RATE	2.5 %
III. (6) CUSTOMER O & M COST	0 \$/CUST/YR
III. (7) CUSTOMER O & M ESCALATION RATE	2.5 %
III. (8)* CUSTOMER TAX CREDIT PER INSTALLATION	0 \$/CUST
III. (9)* CUSTOMER TAX CREDIT ESCALATION RATE	0 %
III. (10)* INCREASED SUPPLY COSTS	0 \$/CUST/YR
III. (11)* SUPPLY COSTS ESCALATION RATE	0 %
III. (12)* UTILITY DISCOUNT RATE	0.0788
III. (13)* UTILITY AFUDC RATE	0.0779
III. (14)* UTILITY NON RECURRING REBATE/INCENTIVE	0.00 \$/CUST
III. (15)* UTILITY RECURRING REBATE/INCENTIVE	103.00 \$/CUST/YR
III. (16)* UTILITY REBATE/INCENTIVE ESCAL RATE	0 %

AVOIDED GENERATOR, TRANS. & DIST COSTS

IV. (1) BASE YEAR	2007
IV. (2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2010
IV. (3) IN-SERVICE YEAR FOR AVOIDED T & D	2010
IV. (4) BASE YEAR AVOIDED GENERATING UNIT COST	674.13 \$/KW
IV. (5) BASE YEAR AVOIDED TRANSMISSION COST	0 \$/KW
IV. (6) BASE YEAR DISTRIBUTION COST	0 \$/KW
IV. (7) GEN, TRAN, & DIST COST ESCALATION RATE	2.3 %
IV. (8) GENERATOR FIXED O & M COST	8.87 \$/KW/YR
IV. (9) GENERATOR FIXED O&M ESCALATION RATE	2.3 %
IV. (10) TRANSMISSION FIXED O & M COST	0 \$/KW/YR
IV. (11) DISTRIBUTION FIXED O & M COST	0 \$/KW/YR
IV. (12) T&D FIXED O&M ESCALATION RATE	2.3 %
IV. (13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.272 CENTS/KWH
IV. (14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.3 %
IV. (15) GENERATOR CAPACITY FACTOR	5.8 %
IV. (16) AVOIDED GENERATING UNIT FUEL COST	2.72 CENTS/KWH
IV. (17) AVOIDED GEN UNIT FUEL ESCALATION RATE	3.16 %
IV. (18)* AVOIDED PURCHASE CAPACITY COST PER KW	0 \$/KW/YR
IV. (19)* CAPACITY COST ESCALATION RATE	0 %

NON-FUEL ENERGY AND DEMAND CHARGES

V. (1) NON-FUEL COST IN CUSTOMER BILL	4.342 CENTS/KWH
V. (2) NON-FUEL ESCALATION RATE	1 %
V. (3) CUSTOMER DEMAND CHARGE PER KW	0.00 \$/KW/MO
V. (4) DEMAND CHARGE ESCALATION RATE	1 %
V. (5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT FACTOR FOR CUSTOMER BILL	1

CALCULATED BENEFITS AND COSTS	
(1)* TRC TEST - BENEFIT/COST RATIO	2.48
(2)* PARTICIPANT NET BENEFITS (NPV)	4,069
(3)* RIM TEST - BENEFIT/COST RATIO	1.40

TAMPA ELECTRIC COMPANY
 DOCKET NO. 070056-EG
 APPENDIX B
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TOTAL RESOURCE COST TESTS
PROGRAM: Price Responsive Load Management

PSC FORM CE 2.3
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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T & D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2007	0	262	0	0	262	0	0	11	0	11	(251)	(251)
2008	0	1,021	0	0	1,021	0	0	66	0	66	(955)	(1,137)
2009	0	1,440	0	0	1,440	0	0	172	0	172	(1,268)	(2,226)
2010	0	130	0	0	130	895	0	239	0	1,134	1,004	(1,426)
2011	0	133	0	0	133	872	0	247	0	1,119	985	(699)
2012	0	137	0	0	137	846	0	254	0	1,100	963	(39)
2013	0	140	0	0	140	821	0	262	0	1,084	943	559
2014	0	144	0	0	144	798	0	271	0	1,069	925	1,103
2015	0	147	0	0	147	777	0	279	0	1,056	909	1,599
2016	0	151	0	0	151	757	0	288	0	1,045	894	2,051
2017	0	155	0	0	155	737	0	297	0	1,035	880	2,463
2018	0	159	0	0	159	718	0	307	0	1,025	866	2,839
2019	0	163	0	0	163	699	0	316	0	1,015	852	3,182
2020	0	167	0	0	167	679	0	326	0	1,006	839	3,495
2021	0	171	0	0	171	660	0	337	0	997	826	3,780
2022	0	175	0	0	175	641	0	347	0	989	813	4,041
2023	0	179	0	0	179	622	0	358	0	981	801	4,279
2024	0	184	0	0	184	604	0	370	0	973	789	4,497
2025	0	189	0	0	189	588	0	381	0	970	781	4,696
2026	0	193	0	0	193	579	0	393	0	972	779	4,880
2027	0	198	0	0	198	573	0	406	0	978	780	5,051
2028	0	203	0	0	203	566	0	419	0	985	782	5,210
2029	0	208	0	0	208	560	0	432	0	992	784	5,358
2030	0	213	0	0	213	555	0	445	0	1,000	787	5,496
2031	0	219	0	0	219	549	0	460	0	1,009	790	5,624
2032	0	224	0	0	224	544	0	474	0	1,018	794	5,743
NOMINAL	0	6,706	0	0	6,706	15,642	0	8,158	0	23,800	17,094	
NPV:	0	3,885	0	0	3,885	6,610	0	3,017	0	9,628	5,743	
Discount Rate		0.0788	Benefit/Cost Ratio - [col (11)/col (6)]:				2.48					

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PARTICIPANT COSTS AND BENEFITS
PROGRAM: Price Responsive Load Management

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILL \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O & M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2007	9	0	10	0	20	0	0	0	0	20	20
2008	53	0	59	0	112	0	0	0	0	112	124
2009	133	0	149	0	283	0	0	0	0	283	367
2010	181	0	201	0	382	0	0	0	0	382	671
2011	183	0	201	0	383	0	0	0	0	383	954
2012	188	0	201	0	389	0	0	0	0	389	1,220
2013	176	0	201	0	377	0	0	0	0	377	1,459
2014	181	0	201	0	382	0	0	0	0	382	1,684
2015	185	0	201	0	386	0	0	0	0	386	1,894
2016	192	0	201	0	393	0	0	0	0	393	2,093
2017	196	0	201	0	397	0	0	0	0	397	2,279
2018	204	0	201	0	405	0	0	0	0	405	2,455
2019	212	0	201	0	413	0	0	0	0	413	2,621
2020	220	0	201	0	421	0	0	0	0	421	2,778
2021	226	0	201	0	427	0	0	0	0	427	2,925
2022	231	0	201	0	432	0	0	0	0	432	3,064
2023	239	0	201	0	440	0	0	0	0	440	3,194
2024	248	0	201	0	448	0	0	0	0	448	3,318
2025	253	0	201	0	454	0	0	0	0	454	3,434
2026	259	0	201	0	460	0	0	0	0	460	3,542
2027	266	0	201	0	467	0	0	0	0	467	3,645
2028	271	0	201	0	471	0	0	0	0	471	3,741
2029	276	0	201	0	477	0	0	0	0	477	3,831
2030	284	0	201	0	484	0	0	0	0	484	3,915
2031	290	0	201	0	491	0	0	0	0	491	3,995
2032	296	0	201	0	497	0	0	0	0	497	4,069
NOMINAL	5,452	0	4,838	0	10,291	0	0	0	0	10,291	
NPV:	2,069	0	2,001	0	4,069	0	0	0	0	4,069	
In service year of gen unit:			2004								
Discount rate:			0.0788								

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FILED: JUNE 4, 2007

RATE IMPACT TEST
PROGRAM: Price Responsive Load Management

PSC FORM CE 2.5
Page 1 of 1
June 1, 2007

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T & D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS TO ALL CUSTOMERS \$(000)	CUMULATIVE DISCOUNTED NET BENEFIT \$(000)
2007	0	262	10	5	0	277	11	0	0	0	11	(266)	(266)
2008	0	1,021	59	27	0	1,108	86	0	0	0	86	(1,041)	(1231)
2009	0	1,440	149	69	0	1,658	172	0	0	0	172	(1,486)	(2508)
2010	0	130	201	93	0	424	1,134	0	0	0	1,134	710	(1943)
2011	0	133	201	94	0	429	1,119	0	0	0	1,119	690	(1433)
2012	0	137	201	95	0	433	1,100	0	0	0	1,100	667	(977)
2013	0	140	201	96	0	437	1,084	0	0	0	1,084	646	(567)
2014	0	144	201	97	0	442	1,069	0	0	0	1,069	627	(198)
2015	0	147	201	98	0	446	1,056	0	0	0	1,056	610	135
2016	0	151	201	99	0	451	1,045	0	0	0	1,045	594	435
2017	0	155	201	100	0	456	1,035	0	0	0	1,035	579	706
2018	0	159	201	101	0	461	1,025	0	0	0	1,025	564	951
2019	0	163	201	102	0	466	1,015	0	0	0	1,015	549	1172
2020	0	167	201	103	0	471	1,008	0	0	0	1,006	535	1372
2021	0	171	201	104	0	476	997	0	0	0	997	521	1552
2022	0	175	201	105	0	481	989	0	0	0	989	507	1714
2023	0	179	201	106	0	487	981	0	0	0	981	494	1861
2024	0	184	201	107	0	492	973	0	0	0	973	481	1994
2025	0	189	201	108	0	498	970	0	0	0	970	472	2114
2026	0	193	201	110	0	504	972	0	0	0	972	468	2225
2027	0	198	201	111	0	510	978	0	0	0	978	469	2328
2028	0	203	201	112	0	516	985	0	0	0	985	469	2423
2029	0	208	201	113	0	522	992	0	0	0	992	470	2512
2030	0	213	201	114	0	528	1,000	0	0	0	1,000	472	2594
2031	0	219	201	115	0	535	1,009	0	0	0	1,009	474	2671
2032	0	224	201	116	0	541	1,018	0	0	0	1,018	476	2743
NOMINAL	0	6,706	4,838	2,503	0	14,047	23,800	0	0	0	23,800	9,753	
NPV:	0	3,885	2,001	999	0	6,885	9,628	0	0	0	9,628	2,743	
Discount rate:			0.0788							1.40			

Benefit/Cost Ratio - [col (12)/col (7)]:

17

TAMPA ELECTRIC COMPANY
DOCKET NO. 070056-EG
APPENDIX B
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Appendix C

**Residential Service
Variable Price (RSVP-1) Rates**

<u>Rate Tiers</u>	<u>Base Rate</u>	<u>Fuel</u>	<u>Capacity</u>	<u>Environ.</u>	<u>Conserv.</u>	<u>Total Clauses</u>	<u>Base Rate Plus Clauses</u>
P4	4.342	5.922	0.325	(0.344)	41.782	47.685	52.027
P3	4.342	5.922	0.325	(0.344)	7.559	13.462	17.804
P2	4.342	5.922	0.325	(0.344)	(0.844)	5.059	9.401
P1	4.342	5.922	0.325	(0.344)	(3.441)	2.462	6.804

Appendix D



ADDITIONAL BILLING CHARGES

TOTAL FUEL AND PURCHASED POWER COST RECOVERY CLAUSE: The total fuel and purchased power cost recovery factor shall be applied to each kilowatt-hour delivered, and shall be computed in accordance with the formula prescribed by the Florida Public Service Commission. The following fuel recovery factors by rate schedule have been approved by the Commission:

RECOVERY PERIOD
 (January 2007 through December 2007)

Rate Schedules	¢/KWH			¢/KWH	¢/KWH	¢/KWH
	Fuel	Energy	Conservation	Capacity	Environmental	
	Standard	Peak	Off-Peak			
RS	5.922	7.392	5.146	.073	.325	(.344)
RSVP-1 (P ₁)	5.922	-	-	(3.441)	.325	(.344)
(P ₂)	5.922	-	-	(0.844)	.325	(.344)
(P ₃)	5.922	-	-	7.559	.325	(.344)
(P ₄)	5.922	-	-	41.782	.325	(.344)
GS	5.922	7.392	5.146	.071	.311	(.340)
TS	5.922	7.392	5.146	.071	.311	(.340)
SL-2	5.483	-	-	.026	.042	(.340)
OL-1&3	5.483	-	-	.026	.042	(.340)
GSD Secondary	5.899	-	-	.063	.261	(.340)
GSD Primary	5.899	7.364	5.126	.062	.261	(.340)
GSLD Secondary	5.899	7.364	5.126	.056	.222	(.340)
GSLD-Primary	5.899	7.364	5.126	.056	.222	(.340)
GSLD Subtransmission	5.899	7.364	5.126	.055	.222	(.345)
SBF-Secondary	5.899	7.364	5.126	.056	.222	(.345)
SBF-Primary	5.899	7.364	5.126	.056	.222	(.345)
SBF-Subtransmission	5.899	7.364	5.126	.055	.222	(.345)
IS-1,IS-3	5.745	7.171	4.992	.061	.020	(.340)
SBI-1,SBI-3	5.745	7.171	4.992	.061	.020	(.340)

Continued to Sheet No. 6.021



RESIDENTIAL SERVICE VARIABLE PRICING PROGRAM

SCHEDULE: RSVP-1

RATE CODE: 113

AVAILABLE: Available to customers eligible for Rate Schedule RS (Residential Service). Availability is limited to single-family detached houses only that meet certain equipment requirements described below.

APPLICABLE: As an alternative to Rate Schedule RS for service used for domestic purposes at an individually-metered private residences. All energy must be for domestic purposes and should not be shared with others and resale is not permitted.

EQUIPMENT REQUIREMENTS:

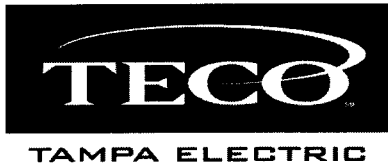
1. Touch-tone phone service. (Land line)
2. Service entrance panel or house power panel rated at 200 amps or less.
3. Central heating and air conditioning that is compatible with Company installed energy management equipment. Residences must have central heating and cooling systems to be eligible for participation. Window units are not eligible
4. Electric water heaters, pool pumps, or other devices controlled by equipment provided through the program must be no larger than 30 amps and 240 volts each and compatible with Company installed energy management equipment.
5. Electric wiring must be conducive to power line carrier messaging.
6. Residence must be located in an area capable of meeting a paging strength standard.
7. Existing meter configuration must be capable of incorporating the energy management equipment.

INSTALLATION AND REMOVAL: Energy Management equipment will be installed at the Customer's residence upon the Customer's initial request for service under Rate Schedule RSVP at no charge to the Customer. If this same Customer requests service at the same residence under Rate Schedule RSVP-1 after returning to the Rate Schedule RS, the Customer will be billed \$234.00 for installation costs and, thereafter, billed under Rate Schedule RSVP-1.

If a Customer has taken service under Rate Schedule RSVP-1 two separate times at the same residence then request to be moved back to Rate Schedule RS, the Customer will be billed \$174.00 for removal costs and thereafter billed under Rate Schedule RS.

CHARACTER OF SERVICE: Available for single-phase service from local distribution lines of the Company's system at nominal secondary voltage of 120/240 volts. Service shall be metered through one metering device capable of measuring electrical energy consumption during the various times each energy demand charge is in effect.

Continued to Sheet No. 6.565



Continued from Sheet No. 6.560

MONTHLY RATES:

Customer Facilities Charge: \$8.50
Energy and Demand Charges: \$4.342 ¢ per KWH (for all pricing periods)

MINIMUM CHARGE: The customer facilities charge.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

PAYMENT OF BILLS: See Sheet No. 6.022.

DETERMINATION OF PRICING PERIODS: Pricing periods are established by season for weekdays and weekends. The pricing periods for price levels P₁ (Low Cost Hours), P₂ (Moderate Cost Hours) and P₃ (High Cost Hours) are as follows:

<u>May through October</u>	<u>P₁</u>	<u>P₂</u>	<u>P₃</u>
Weekdays	11 P.M. to 6 A.M.	6 A.M. to 1 P.M. 6 P.M. to 11 P.M.	1 P.M. to 6 P.M.
Weekends	11 P.M. to 6 A.M.	6 A.M. to 11 P.M.	-----
<u>November through April</u>	<u>P₁</u>	<u>P₂</u>	<u>P₃</u>
Weekdays	11 P.M. to 5 A.M.	5 A.M. to 6 A.M. 10 A.M. to 11 P.M.	6 A.M. to 10 A.M.
Weekends	11 P.M. to 6 A.M.	6 A.M. to 11 P.M.	-----

The pricing periods for price level P₄ (Critical Cost Hours) shall be determined at the sole discretion of the Company. Level P₄ hours shall not exceed 134 hours per year.

Continued to Sheet No. 6.570



Continued from Sheet No. 6.565

The pricing period for the following observed holidays will be the same as the weekend hour price levels for the month in which the holiday occurs: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

TERMS OF SERVICE: The initial term of service under this rate shall be for a period of one year to be continued thereafter unless terminated by the customer with thirty days written notice.



Continued From Sheet No. 7.780

Schedule RSVP-1. Customer understands and acknowledges that this rate schedule as well as the rates, terms, and conditions therein are subject to periodic change by the Florida Public Service Commission and such changes will be applicable to the Customer.

- 6. This agreement supersedes all previous agreements and representations, either written or oral, heretofore made between the Company and the Customer with respect to matters herein contained. Any modification(s) to this Agreement must be approved, in writing, by the Company and the Customer.
- 7. The programmable thermostat will be removed by the Company if the Customer returns to service under Rate Schedule RS. The Customer is responsible for providing a replacement thermostat.

IN WITNESS THEREOF, the Customer and the Company have caused this Agreement to be executed by their duly authorized representatives as of the day and year first above written.

Customer: _____

Tampa Electric Company Representative

By/Title: _____

By/Title: _____

Signature: _____

Signature: _____

Street Address: _____

City, Street, Zip: _____

Property Owner: _____

By/Title: _____

Signature: _____

Date: _____



ADDITIONAL BILLING CHARGES

TOTAL FUEL AND PURCHASED POWER COST RECOVERY CLAUSE: The total fuel and purchased power cost recovery factor shall be applied to each kilowatt-hour delivered, and shall be computed in accordance with the formula prescribed by the Florida Public Service Commission. The following fuel recovery factors by rate schedule have been approved by the Commission:

RECOVERY PERIOD
 (January 2007 through December 2007)

Rate Schedules	¢/KWH			¢/KWH	¢/KWH	¢/KWH
	Fuel	Energy	Conservation	Capacity	Environmental	
	Standard	Peak	Off-Peak			
RS	5.922	7.392	5.146	.073	.325	(.344)
RSVP-1 (P ₁)	5.922	-	-	(3.441)	.325	(.344)
(P ₂)	5.922	-	-	(0.844)	.325	(.344)
(P ₃)	5.922	-	-	7.559	.325	(.344)
(P ₄)	5.922	-	-	41.782	.325	(.344)
GS	5.922	7.392	5.146	.071	.311	(.340)
TS	5.922	7.392	5.146	.071	.311	(.340)
SL-2	5.483	-	-	.026	.042	(.340)
OL-1&3	5.483	-	-	.026	.042	(.340)
GSD Secondary	5.899	-	-	.063	.261	(.340)
GSD Primary	5.899	7.364	5.126	.062	.261	(.340)
GSLD Secondary	5.899	7.364	5.126	.056	.222	(.340)
GSLD-Primary	5.899	7.364	5.126	.056	.222	(.340)
GSLD Subtransmission	5.899	7.364	5.126	.055	.222	(.345)
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SBF-Primary	5.899	7.364	5.126	.056	.222	(.345)
SBF-Subtransmission	5.899	7.364	5.126	.055	.222	(.345)
IS-1,IS-3	5.745	7.171	4.992	.061	.020	(.340)
SBI-1,SBI-3	5.745	7.171	4.992	.061	.020	(.340)

Continued to Sheet No. 6.021



RESIDENTIAL SERVICE VARIABLE PRICING PILOT PROGRAM

SCHEDULE: RSVP-1

RATE CODE: 113

AVAILABLE: Available to customers eligible for Rate Schedule RS (Residential Service). Availability is limited to single-family detached houses only that meet certain equipment requirements described below.

APPLICABLE: As an alternative to Rate Schedule RS for service used for domestic purposes at an individually-metered private residences. All energy must be for domestic purposes and should not be shared with others and resale is not permitted.

EQUIPMENT REQUIREMENTS:

1. Touch-tone phone service. (Land line)
2. Service entrance panel or house power panel rated at 200 amps or less.
3. Central heating and air conditioning that is compatible with Company installed energy management equipment. Residences must have central heating and cooling systems to be eligible for participation. Window units are not eligible
4. Electric water heaters, pool pumps, or other devices controlled by equipment provided through the program must be no larger than 30 amps and 240 volts each and compatible with Company installed energy management equipment.
5. Electric wiring must be conducive to power line carrier messaging.
6. Residence must be located in an area capable of meeting a paging strength standard.
7. Existing meter configuration must be capable of incorporating the energy management equipment.

INSTALLATION AND REMOVAL: Energy Management equipment will be installed at the Customer's residence upon the Customer's initial request for service under Rate Schedule RSVP at no charge to the Customer. If this same Customer requests service at the same residence under Rate Schedule RSVP-1 after returning to the Rate Schedule RS, the Customer will be billed \$234.00 for installation costs and, thereafter, billed under Rate Schedule RSVP-1.

If a Customer has taken service under Rate Schedule RSVP-1 two separate times at the same residence then request to be moved back to Rate Schedule RS, the Customer will be billed \$174.00 for removal costs and thereafter billed under Rate Schedule RS.

CHARACTER OF SERVICE: Available for single-phase service from local distribution lines of the Company's system at nominal secondary voltage of 120/240 volts. Service shall be metered through one metering device capable of measuring electrical energy consumption during the various times each energy demand charge is in effect.



TAMPA ELECTRIC

FIRST REVISED SHEET NO. 6.560
ORIGINAL SHEET NO. 6.560

MONTHLY RATES:

Customer Facilities Charge: _____ \$8.50

Energy and Demand Charges: _____

Low Cost Hours (P1) _____ 2.217 ¢ per KWH

Medium Cost Hours (P2) _____ 3.751 ¢ per KWH

High Cost Hours (P3) _____ 9.436 ¢ per KWH

Critical Cost Hours (P4) _____ 35.395 ¢ per KWH

Continued to Sheet No. 6.565

ISSUED BY: C. R. Black, President

DATE EFFECTIVE:



Continued from Sheet No. 6.560

MONTHLY RATES:

Customer Facilities Charge: \$8.50

Energy and Demand Charges: \$4.342 ¢ per KWH (for all pricing periods)

MINIMUM CHARGE: The sum of the customer facilities charge and program participant charge.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. -6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

PAYMENT OF BILLS: See Sheet No. 6.022.

DETERMINATION OF PRICING PERIODS: Pricing periods are established by season for weekdays and weekends. The pricing periods for price levels P₁ (Low Cost Hours), P₂ (Moderate Cost Hours) and P₃ (High Cost Hours) are as follows:

<u>May through October</u>	<u>P₁</u>	<u>P₂</u>	<u>P₃</u>
Weekdays	11 P.M. to 6 A.M.	6 A.M. to 1 P.M. 6 P.M. to 11 P.M.	1 P.M. to 6 P.M.
Weekends	11 P.M. to 6 A.M.	6 A.M. to 11 P.M.	-----
<u>November through April</u>	<u>P₁</u>	<u>P₂</u>	<u>P₃</u>
Weekdays	11 P.M. to 5 A.M.	5 A.M. to 6 A.M. 10 A.M. to 11 P.M.	6 A.M. to 10 A.M.
Weekends	11 P.M. to 6 A.M.	6 A.M. to 11 P.M.	-----

The pricing periods for price level P₄ (Critical Cost Hours) shall be determined at the sole discretion of the Company. Level P₄ hours shall not exceed 134 hours per year.



TAMPA ELECTRIC

FIRST REVISED SHEET NO. 6.565
ORIGINAL SHEET NO. 6.565

~~The pricing period for the following observed holidays will be the same as the weekend hour price levels for the month in which the holiday occurs: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.~~

~~**TERMS OF SERVICE:** The initial term of service under this rate shall be for a period of one year to be continued thereafter unless terminated by the customer with thirty days written notice.~~

Continued to Sheet No. 6.570

ISSUED BY: C. R. Black, President

DATE EFFECTIVE:



Continued from Sheet No. 6.565

The pricing period for the following observed holidays will be the same as the weekend hour price levels for the month in which the holiday occurs: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

TERMS OF SERVICE: The initial term of service under this rate shall be for a period of one year to be continued thereafter unless terminated by the customer with thirty days written notice.



Continued From Sheet No. 7.780

Schedule RSVP-1. Customer understands and acknowledges that this rate schedule as well as the rates, terms, and conditions therein are subject to periodic change by the Florida Public Service Commission and such changes will be applicable to the Customer.

- 6. This agreement supersedes all previous agreements and representations, either written or oral, heretofore made between the Company and the Customer with respect to matters herein contained. Any modification(s) to this Agreement must be approved, in writing, by the Company and the Customer.
- 7. The programmable thermostat will be removed by the Company if the Customer returns to service under Rate Schedule RS. The Customer is responsible for providing a replacement thermostat.

IN WITNESS THEREOF, the Customer and the Company have caused this Agreement to be executed by their duly authorized representatives as of the day and year first above written.

Customer: _____	Tampa Electric Company Representative
By/Title: _____	By/Title: _____
Signature: _____	Signature: _____
Street Address: _____	
City, Street, Zip: _____	
Property Owner: _____	
By/Title: _____	
Signature: _____	
Date: _____	