BEFORE THE

FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 030002-EG

IN RE: CONSERVATION COST RECOVERY CLAUSE

TESTIMONY AND EXHIBIT

OF

HOWARD T. BRYANT

FILED: September 26,2003

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

PREPARED DIRECT TESTIMONY

OF

HOWARD T. BRYANT

Q. Please state your name, address, occupation and employer.

A. My name is Howard T. Bryant. My business address is 702 North Franklin Street, Tampa, Florida 33602. I am employed by Tampa Electric Company ("Tampa Electric" or "the company") as Manager, Rates in the Regulatory Affairs Department.

Q. Please provide a brief outline of your educational background and business experience.

A. I graduated from the University of Florida in June 1973 with a Bachelor of Science degree in Business Administration. I have been employed at Tampa Electric since 1981. My work has included various positions in Customer Service, Energy Conservation Services, Demand Side Management ("DSM") Planning, Energy Management and Forecasting, and Regulatory Affairs. In my current position I am responsible for the company's Energy Conservation Cost Recovery ("ECCR") clause, the

Environmental Cost Recovery Clause ("ECRC"), and retail rate design.

Q. What is the purpose of your testimony in this proceeding?

A. The purpose of my testimony is to support the company's actual conservation costs incurred during the period January 2002 through December 2002, the actual and projected period of January 2003 to December 2003, and the projected period of January 2004 through December 2004. Also, I will support the level of charges (benefits) for the interruptible customers allocated to the period January 2004 through December 2004. The balance of costs will be charged to the firm customers on a per kilowatt-hour ("kWh") basis in accordance with Docket No. 930759-EG, Order No. PSC-93-1845-FOF-EG, dated December 29, 1993. Finally, I will support the appropriate Contracted Credit Value ("CCV") for potential participants in the General Service Industrial Load Management Riders ("GSLM-2" and "GSLM-3") for the period January 2004 through December 2004.

Q. What is the basis of this request for expenses to be based on different charges for interruptible and firm customers?

A. Tampa Electric believes that its conservation and load management programs do not accrue capacity benefits to interruptible customers. This position has been supported by the Florida Public Service Commission ("Commission") in Docket Nos. 900002-EG through 020002-EG. The company estimates the cumulative effects of its conservation and load management programs will allow the interruptible customers to have lower fuel costs ($0.28/MWH) due to the reductions in marginal fuel costs.

Q. How were those benefits calculated?

A. To determine fuel savings effects, we have calculated a "what if there had been no conservation programs" scenario. The results indicate that the avoided gigawatt-hours have actually reduced average fuel costs due to the fact that higher priced marginal fuels would have been burned if the gigawatt-hours had not been saved. The attached analysis, Exhibit No. ___ (HTB-2), Conservation Costs Projected, portrays the costs and benefits.

Q. Will charging different amounts for firm and interruptible customers conflict with the Florida Energy Efficiency and Conservation Act?

A. No. The act requires the utilities, through the guidance of the Commission, to cost effectively reduce peak demand, energy consumption and the use of scarce resources, particularly petroleum fuels. It does not require all customers to pay the utilities' conservation costs whether they receive the same level of benefits or not. The relationships between costs and benefits received are specifically the determination of the Commission.

Q. Please describe the conservation program costs projected by Tampa Electric during the period January 2002 through December 2002.

A. For the period January 2002 through December 2002, Tampa Electric projected conservation program costs to be $18,379,940. The Commission authorized collections to recover these expenses in Docket No. 010002-EG, Order No. PSC-01-2389-FOF-EG, issued December 11, 2001.

Q. For the period January 2002 through December 2002, what were Tampa Electric's conservation costs and what was recovered through the ECCR Clause?

A. For the period January 2002 through December 2002 Tampa Electric incurred actual net conservation costs of $16,970,250, plus a beginning true-up over-recovery of $872,842 for a total of $16,097,408. The amount collected in the ECCR Clause was $17,220,173.

Q. What was the true-up amount?

A. The true-up amount for the period January 2002 through December 2002 was an over-recovery of $1,138,692. These calculations are detailed in Exhibit No. ___ (HTB-1), Conservation Cost Recovery True Up, Pages 1 through 11, filed May 15, 2003.

Q. Please describe the conservation program costs incurred and projected to be incurred by Tampa Electric during the period January 2003 through December 2003.

A. The actual costs incurred by Tampa Electric Company through August 2003 and estimated for September 2003 through December 2003 are $17,642,004. For the period, Tampa Electric anticipates an over-recovery in the ECCR Clause of $1,379,398 which includes the previous period true-up and interest. A summary of these costs and estimates are fully detailed in Exhibit No. ___ (HTB-2),

Conservation Costs Projected, pages 10 through 24.

Q. For the period January 2004 through December 2004, what are Tampa Electric's estimates of its conservation costs and cost recovery factors?

A. The company has estimated that the total conservation costs (less program revenues) during the period will be $19,071,707 plus true-up. Including true-up estimates and the interruptible sales contribution at 0.028 cents/kWh, the cost recovery factors for firm retail rate classes will be 0.111 cents/kWh for Residential (RS), 0.104 cents/kWh for General Service Non-Demand and Temporary Service (GS, TS), 0.093 cents/kWh General Service Demand (GSD) - Secondary, 0.092 cents/kWh for General Service Demand (GSD) - Primary, 0.085 cents/kWh for General Service Large Demand and Standby Firm (GSLD, SBF) - Secondary, 0.084 cents/kWh for General Service Large Demand and Standby Firm (GSLD, SBF) - Primary, 0.083 cents/kWh for General Service Large Demand and Standby Firm (GSLD, SBF) - Subtransmission and 0.060 cents/kWh for Lighting (SL, OL). Exhibit No. ___ (HTB-2), Conservation Costs Projected, pages 12 through 17 contain the Commission prescribed forms which detail these estimates.

Q. Has Tampa Electric complied with the ECCR cost allocation methodology stated in Docket No. 930759-EG, Order No. PSC-93-1845-EG?

A. Yes, it has.

Q. Please explain why the incentive for GSLM-2 and GSLM-3 rate riders is included in your testimony.

A. In Docket No. 990037-EI, Tampa Electric petitioned the Commission to close its non-cost-effective interruptible service rate schedules while initiating the provision of a cost-effective non-firm service through a new load management program. This new program would be funded through the ECCR Clause and the appropriate annual CCV for customers would be submitted for Commission approval as part of the company's annual ECCR Projection Filing. Specifically, the level of the CCV would be determined by using the Rate Impact Measure ("RIM") Test contained in the Commission's cost-effectiveness methodology found in Rule 25-17.008, F.A.C. By using a Rim Test benefit-to-cost ratio of 1.2, the level of the CCV would be established on a per kilowatt ("kW") basis. This program and methodology for CCV determination was approved by the Commission in Docket No. 990037-EI, Order No. PSC-99-

1778-FOF-EI, issued September 10, 1999.

Q. What is the appropriate CCV for customers who elect to take service under the GSLM-2 and GSLM-3 rate riders during the January 2004 through December 2004 period?

A. For the January 2004 through December 2004 period, the CCV will be $4.28 per kW. If the 2004 assessment for need determination indicates the availability of new non-firm load, the CCV will be applied to new subscriptions for service under those rate riders. The application of the cost-effectiveness methodology to establish the CCV is found in the attached analysis, Exhibit No. ___ (HTB-2), Conservation Costs Projected, beginning on page 41 through 50.

Q. Does this conclude your testimony?

A. Yes it does.

EXHIBIT NO. _____
DOCKET NO. 030002-EG
TAMPA ELECTRIC COMPANY
(HTB-2)
FILED: 09/26/03

CONSERVATION COSTS
PROJECTED

INDEX

Fuel Cost Impact of Conservation and Load Management Programs
On Interruptible Customers
January 1, 2004 through December 31, 2004

Month	Fuel Costs With Conservation and Load Management			Fuel Costs Without Conservation and Load Management			Fuel Benefits		
	(1)	(2)	(3)	(4)	(5)	(6)	(4) - (1)	(5) - (2)	(6) - (3)
	($000)	(GWH)	($/MWH)	($000)	(GWH)	($/MWH)	($000)	(GWH)	($/MWH)
January	43,905	1,541.1	28.49	46,264	1,595.6	29.00	2,360	54	0.51
February	40,832	1,386.3	29.45	42,974	1,435.0	29.95	2,142	49	0.50
March	44,575	1,486.8	29.98	45,891	1,516.2	30.27	1,316	29	0.29
April	41,936	1,507.6	27.82	42,695	1,526.5	27.97	758	19	0.15
May	50,582	1,756.3	28.80	51,610	1,779.4	29.00	1,028	23	0.20
June	56,697	1,867.4	30.36	57,919	1,893.1	30.59	1,222	26	0.23
July	61,425	1,973.3	31.13	62,871	2,001.5	31.41	1,446	28	0.28
August	61,947	1,986.8	31.18	63,522	2,016.7	31.50	1,574	30	0.32
September	56,458	1,872.0	30.16	57,737	1,898.2	30.42	1,280	26	0.26
October	54,236	1,769.3	30.65	55,038	1,786.5	30.81	801	17	0.16
November	41,525	1,486.7	27.93	42,653	1,515.5	28.14	1,128	29	0.21
December	45,671	1,624.6	28.11	47,549	1,669.2	28.49	1,879	45	0.38
Jan 2004 - Dec 2004	**599,788**	**20,258**	**29.61**	**616,722**	**20,633**	**29.89**	**16,934**	**375**	**0.28**

EXHIBIT NO. _____
DOCKET NO. 030002-EG
TAMPA ELECTRIC COMPANY
(HTB-2)

TAMPA ELECTRIC COMPANY
CALCULATION OF ENERGY & DEMAND ALLOCATION % BY RATE CLASS
JANUARY 2004 THROUGH DECEMBER 2004

	(1) AVG 12CP Load Factor at Meter (%)	(2) Projected Sales at Meter (MwH)	(3) Projected AVG 12 CP at Meter (Mw)	(4) Demand Loss Expansion Factor	(5) Energy Loss Expansion Factor	(6) Projected Sales at Generation (MwH)	(7) Projected AVG 12 CP at Generation (Mw)	(8) Percentage of Sales at Generation (%)	(9) Percentage of Demand at Generation (%)	(10) 12 CP & 1/13 Allocation Factor (%)
RS	57.72%	8,393,405	1660	1.0603	1.0492	8,806,067	1,760	49.10%	56.07%	55.53%
GS,TS	63.59%	1,070,071	192	1.0603	1.0492	1,122,681	204	6.26%	6.50%	6.48%
GSD	74.67%	5,221,207	798	1.0588	1.0485	5,474,352	845	30.53%	26.92%	27.20%
GSLD,SBF	84.60%	2,233,911	301	1.0462	1.0374	2,317,466	315	12.92%	10.03%	10.26%
SL/OL	163.91%	202,731	14	1.0603	1.0492	212,698	15	1.19%	0.48%	0.53%
TOTAL		17,121,325	2,965			17,933,264	3,139	100.00%	100.00%	100.00%

(1) AVG 12 CP load factor based on actual 2001 calendar data.
(2) Projected MwH sales for the period January 2004 through December 2004.
(3) Calculated: Col (2) / (8760 x Col (1)), 8760 hours = hours in twelve months.
(4) Based on 2001 demand losses.
(5) Based on 2001 energy losses.
(6) Col (2) x Col (5).
(7) Col (3) x Col (4).
(8) Col (6) / total for Col (6).
(9) Col(7) / total for Col(7).
(10) Col (8) x 1/13 + Col (9) x 12/13

NOTE: Interruptible rates not included in demand allocation of capacity payments

EXHIBIT NO. _____
DOCKET NO. 030002-EG
TAMPA ELECTRIC COMPANY
(HTB-2)

TAMPA ELECTRIC COMPANY
Energy Conservation Adjustment
Summary of Cost Recovery Clause Calculation
For Months January 2004 through December 2004

1. Total Incremental Cost (C-2, Page 1, Line 17)	19,071,707
2. Demand Related Incremental Costs	13,555,484
3. Energy Related Incremental Costs	5,516,223
4. Interruptible Sales (@$0.28 per MWH)	(460,985)
5. Net Energy Related Incremental Costs (Line 3 + Line 4)	5,055,238

RETAIL BY RATE CLASS

	RS	GS,TS	GSD	GSLD,SBF	SL,OL	Total
6. Demand Allocation Percentage	55.53%	6.48%	27.20%	10.26%	0.53%	100.00%
7. Demand Related Incremental Costs (Total cost prorated based on demand allocation % above)	7,527,360	878,395	3,687,092	1,390,793	71,844	13,555,484
8. Demand Portion of End of Period True Up (O)/U Recovery Shown on Schedule C-3, Pg 5, Line 12 (Allocation of D & E is based on the forecast period cost.)	(543,846)	(63,463)	(266,389)	(100,484)	(5,191)	(979,373)
9. Total Demand Related Incremental Costs	6,983,514	814,932	3,420,703	1,290,309	66,653	12,576,111
10. Net Energy Related Incremental Costs	2,482,121	316,458	1,543,364	653,137	60,157	5,055,237
11. Energy Portion of End of Period True Up (O)/U Recovery Shown on Scedule C-3, Pg 5, Line 13 (Allocation of D & E is based on the forecast period cost.)	(196,412)	(25,042)	(122,128)	(51,683)	(4,760)	(400,025)
12. Total Net Energy Related Incremental Costs	2,285,709	291,416	1,421,236	601,454	55,397	4,655,212
13. Total Incremental Costs (Line 7 + 10)	10,009,481	1,194,853	5,230,456	2,043,930	132,001	18,610,721
14. Total True Up (Over)/Under Recovery (Line 8 + 11) (Schedule C-3, Pg 5, Line 11) (Allocation of D & E is based on the forecast period cost)	(740,258)	(88,505)	(388,517)	(152,167)	(9,951)	(1,379,398)
15. Total (Line 13 + 14)	9,269,223	1,106,348	4,841,939	1,891,763	122,050	17,231,323
16. Firm Retail MWH Sales	8,393,405	1,070,071	5,221,207	2,233,911	202,731	17,121,325
17. Cost per KWH - Demand (Line 9/Line 16)	0.08320	0.07616	*	*	0.03288	
18. Cost per KWH - Energy (Line 12/Line 16)	0.02723	0 02723	*	*	0.02733	
19. Cost per KWH - Demand & Energy (Line 17 + Line 18)	0.11043	0.10339	*	*	0.06021	
20. Revenue Tax Expansion Factor	1.00072	1.00072	*	*	1.00072	
21. Adjustment Factor Adjusted for Taxes	0.1105	0.1035	*	*	0.0603	
22. Conservation Adjustment Factor (cents/KWH) - Secondary	0.111	0.104	0.093	0.085	0.060	
- Primary			0.092	0 084		
- Subtransmission			N/A	0.083		
(ROUNDED TO NEAREST .001 PER KWH)						

* See attached Schedule C-1, page 2 of 2.

EXHIBIT NO. _____
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TAMPA ELECTRIC COMPANY
(HTB-2)
SCHEDULE C-1
PAGE 1 OF 2

Calculation of ECCR Factors for Customers Served at
Levels Other than Secondary Distribution

	GSD	GSLD, SBF
Line 15 Total (Projected Costs & T/U)		
(Schedule C-1, pg 1, Line 15)		
-Secondary	4,718,097	950,707
- Primary	123,842	941,022
- Subtransmission	N/A	34
- Total	4,841,939	1,891,763
Total Firm MWH Sales		
(Schedule C-1, pg 1, Line 16)		
-Secondary	5,086,351	1,117,041
- Primary	134,856	1,116,830
- Subtransmission	N/A	41
- Total	5,221,207	2,233,911
Cost per KWH - Demand & Energy		
-Secondary	0.09276	0.08511
- Primary	0.09183	0.08426
- Subtransmission	N/A	0.08337
Revenue Tax Expansion Factor	1.00072	1.00072
Adjustment Factor Adjusted for Taxes		
-Secondary	0.09283	0.08517
- Primary	0.09190	0.08432
- Subtransmission	N/A	0.08343
Conservation Adjustment Factor (cents/KWH)		
-Secondary	0.093	0.085
- Primary	0.092	0.084
- Subtransmission	N/A	0.083

Note: Customers in the GSD rate class are only served at primary and secondary distribution levels.

The calculation for interruptible classes did not change the factor from the original ($0.28 per MWH).

TAMPA ELECTRIC COMPANY
Conservation Program Costs

Estimated for Months January 2004 through December 2004

ESTIMATED

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	Heating and Cooling (E)	69,992	69,273	69,992	69,752	69,991	69,753	69,991	69,991	69,754	69,994	69,754	69,991	838,228
2	Prime Time (D)	1,153,158	1,148,661	1,081,357	924,788	933,765	931,588	935,908	931,540	932,961	938,653	1,109,468	1,119,190	12,141,037
3	Energy Audits (E)	260,074	131,783	139,426	137,271	139,174	137,296	139,774	138,949	136,670	140,197	137,396	139,880	1,777,890
4	Cogeneration (E)	20,989	17,823	19,552	18,976	23,171	18,976	21,597	19,552	22,594	19,552	18,976	19,552	241,310
5	Ceiling Insulation (E)	43,653	42,374	43,659	43,231	43,660	43,231	43,660	43,660	43,233	43,661	43,234	43,669	520,925
6	Commercial Load Mgmt (D)	1,332	1,312	1,341	1,562	1,590	1,571	1,599	1,580	1,609	1,589	1,379	1,385	17,849
7	Commercial Lighting (E)	8,942	8,799	8,942	8,894	8,943	8,894	8,943	8,943	8,895	8,944	8,895	8,942	106,976
8	Standby Generator (D)	72,192	72,081	72,192	72,081	72,193	72,069	72,187	72,069	72,155	72,070	72,155	72,092	865,536
9	Conservation Value (E)	9,186	9,043	9,186	9,088	9,186	9,088	9,186	9,110	9,164	9,110	9,164	9,114	109,625
10	Duct Repair (E)	139,045	137,135	139,044	138,410	139,044	138,409	139,045	139,044	138,410	139,044	138,410	139,045	1,664,085
11	Green Energy Initiative (E)	3,651	6,651	4,651	4,651	3,652	6,652	3,652	4,653	3,653	6,653	3,653	4,816	56,988
12	Industrial Load Management (D)	34,050	34,050	34,051	34,050	34,051	34,050	34,051	34,050	34,050	34,051	34,050	34,050	408,604
13	DSM R&D (D&E)	3,040	2,240	7,471	37,823	2,228	3,417	2,310	970	970	1,496	1,496	1,233	64,694
14	(50% D 50% E) Commercial Cooling (E)	2,761	2,737	2,761	2,752	2,762	2,753	2,762	2,763	2,752	2,763	2,754	2,766	33,086
15	Residential New Construction (E)	3,749	3,671	3,731	3,711	3,731	3,711	3,732	3,731	3,712	3,731	3,711	3,733	44,654
16	Common Expenses (D&E)	15,035	15,035	14,985	15,035	15,035	14,985	15,035	15,035	14,985	15,035	15,035	14,985	180,220
17	(50% D, 50% E) Total	1,840,849	1,702,668	1,652,341	1,522,075	1,502,176	1,496,443	1,503,432	1,495,640	1,495,567	1,506,543	1,669,530	1,684,443	19,071,707
18	Less: Included in Base Rates	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Recoverable Consv. Expenses	1,840,849	1,702,668	1,652,341	1,522,075	1,502,176	1,496,443	1,503,432	1,495,640	1,495,567	1,506,543	1,669,530	1,684,443	19,071,707

Summary of Demand & Energy

Energy	571,079	437,926	452,172	463,165	451,945	447,964	451,014	448,398	446,814	451,914	444,212	449,617	5,516,223
Demand	1,269,770	1,264,742	1,200,169	1,058,910	1,050,231	1,048,479	1,052,418	1,047,242	1,048,753	1,054,629	1,225,318	1,234,826	13,555,484
Total Recoverable Consv. Expenses	1,840,849	1,702,668	1,652,341	1,522,075	1,502,176	1,496,443	1,503,432	1,495,640	1,495,567	1,506,543	1,669,530	1,684,443	19,071,707

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TAMPA ELECTRIC COMPANY
(HTB-2)
SCHEDULE C-2
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TAMPA ELECTRIC COMPANY
Conservation Program Costs

Estimated for Months January 2004 through December 2004

Program Name	(A) Capital Investment	(B) Payroll & Benefits	(C) Materials & Supplies	(D) Outside Services	(E) Advertising	(F) Incentives	(G) Vehicles	(H) Other	(I) Program Revenues	(J) Total
1. Heating and Cooling (E)	0	101,762	0	20,400	25,000	685,000	1,800	4,266	0	838,228
2. Prime Time (D)	2,031,653	931,220	156,063	100,000	35,000	8,781,012	48,176	57,913	0	12,141,037
3. Energy Audits (E)	0	962,462	8,400	376,140	335,000	0	44,384	51,504	0	1,777,890
4. Cogeneration (E)	0	239,110	0	0	0	0	2,200	0	0	241,310
5. Ceiling Insulation (E)	0	159,055	0	0	12,500	340,000	7,000	2,370	0	520,925
6. Commercial Load Mgmt (D)	352	8,473	500	1,000	0	6,756	768	0	0	17,849
7. Commerical Lighting (E)	0	18,276	0	0	12,500	75,000	1,200	0	0	106,976
8. Standby Generator (D)	0	27,268	500	0	0	836,580	1,188	0	0	865,536
9. Conservation Value (E)	0	9,265	0	0	0	100,000	360	0	0	109,625
10. Duct Repair (E)	0	266,415	3,000	0	250,000	1,108,896	19,824	15,950	0	1,664,085
11 Green Energy Initiative (E)	0	42,351	1,000	6,437	0	0	1,200	6,000	0	56,988
12 Industrial Load Management (D)	0	8,004	0	0	0	400,000	600	0	0	408,604
13 DSM R&D (D&E) (50% D, 50% E)	0	19,719	30,800	13,100	0	0	1,075	0	0	64,694
14 Commercial Cooling (E)	0	3,786	0	0	5,000	24,000	300	0	0	33,086
15 Residential New Construction (E)	0	7,354	0	0	25,000	12,000	0	300	0	44,654
16 Common Expenses (D&E) (50% D, 50% E)	0	179,820	0	0	0	0	400	0	0	180,220
17 Total All Programs	2,032,005	2,984,340	200,263	517,077	700,000	12,369,244	130,475	138,303	0	19,071,707
Summary of Demand & Energy										
Energy	0	1,909,605	27,800	409,527	665,000	2,344,896	79,005	80,390	0	5,516,223
Demand	2,032,005	1,074,735	172,463	107,550	35,000	10,024,348	51,470	57,913	0	13,555,484
Total All Programs	2,032,005	2,984,340	200,263	517,077	700,000	12,369,244	130,475	138,303	0	19,071,707

EXHIBIT NO. _____
DOCKET NO. 030002-EG
TAMPA ELECTRIC COMPANY
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SCHEDULE C-2
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TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return

Estimated for Months January 2004 through December 2004

PRIME TIME

		Beginning of Period	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1.	Investment		142,146	142,146	142,146	142,146	142,146	142,146	142,146	142,146	142,146	142,146	142,146	142,154	1,705,760
2.	Retirements		33,854	71,653	92,754	67,137	66,199	111,724	115,443	130,853	64,132	53,315	100,210	138,233	1,045,507
3.	Depreciation Base		7,584,275	7,654,768	7,704,160	7,779,169	7,855,116	7,885,538	7,912,241	7,923,534	8,001,548	8,090,379	8,132,315	8,136,236	
4.	Depreciation Expense		125,502	126,992	127,991	129,028	130,286	131,172	131,648	131,965	132,709	134,099	135,189	135,571	1,572,152
5.	Cumulative Investment	7,475,983	7,584,275	7,654,768	7,704,160	7,779,169	7,855,116	7,885,538	7,912,241	7,923,534	8,001,548	8,090,379	8,132,315	8,136,236	8,136,236
6.	Less: Accumulated Depre	3,600,179	3,691,827	3,747,166	3,782,403	3,844,294	3,908,381	3,927,829	3,944,034	3,945,146	4,013,723	4,094,507	4,129,486	4,126,824	4,126,824
7.	Net Investment	3,875,804	3,892,448	3,907,602	3,921,757	3,934,875	3,946,735	3,957,709	3,968,207	3,978,388	3,987,825	3,995,872	4,002,829	4,009,412	4,009,412
8.	Average Investment		3,884,126	3,900,025	3,914,680	3,928,316	3,940,805	3,952,222	3,962,958	3,973,298	3,983,107	3,991,849	3,999,351	4,006,121	
9.	Return on Average Investment		23,111	23,205	23,292	23,373	23,448	23,516	23,580	23,641	23,699	23,752	23,796	23,836	282,249
10.	Return Requirements		37,625	37,778	37,919	38,051	38,173	38,284	38,388	38,488	38,582	38,668	38,740	38,805	459,501
11.	Total Depreciation and Return		163,127	164,770	165,910	167,079	168,459	169,456	170,036	170,453	171,291	172,767	173,929	174,376	2,031,653

NOTES:
Depreciation expense is calculated using a useful life of 60 months.
Return on Average Investment is calculated using a monthly rate of 0.59500% .
Return requirements are calculated using an income tax multiplier of 1.6280016.

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TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return

Estimated for Months January 2004 through December 2004

COMMERCIAL LOAD MANAGEMENT

	Beginning of Period	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1. Investment		186	186	186	186	186	186	186	186	186	186	186	204	2,250
2. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
3. Depreciation Base		186	372	558	744	930	1,116	1,302	1,488	1,674	1,860	2,046	2,250	
4. Depreciation Expense		2	5	8	11	14	17	20	23	26	29	33	36	224
5. Cumulative Investment	0	186	372	558	744	930	1,116	1,302	1,488	1,674	1,860	2,046	2,250	2,250
6. Less: Accumulated Depreciation	0	2	7	15	26	40	57	77	100	126	155	188	224	224
7. Net Investment	0	184	365	543	718	890	1,059	1,225	1,388	1,548	1,705	1,858	2,026	2,026
8. Average Investment		92	275	454	631	804	975	1,142	1,307	1,468	1,627	1,782	1,942	
9. Return on Average Investment		1	2	3	4	5	6	7	8	9	10	11	12	78
10. Return Requirements		2	3	5	7	8	10	11	13	15	16	18	20	128
Total Depreciation and Return		4	8	13	18	22	27	31	36	41	45	51	56	352

NOTES:
Depreciation expense is calculated using a useful life of 60 months
Return on Average Investment is calculated using a monthly rate of 0.59500%
Return requirements are calculated using an income tax multiplier of 1.6280016.

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DOCKET NO. 030002-EG
TAMPA ELECTRIC COMPANY
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TAMPA ELECTRIC COMPANY
Conservation Program Costs

Actual for Months January 2003 through August 2003
Projected for Months September 2003 through December 2003

Program Name	Capital Investment	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Incentives	Vehicle	Other	Program Revenues	Total
1. Heating & Cooling										
2 Actual	0	52,980	13	26,177	3,180	447,962	130	4,337	0	534,779
3 Projected	0	30,504	8	7,300	14,904	224,456	60	444	0	277,676
4 Total	0	83,484	21	33,477	18,084	672,418	190	4,781	0	812,455
5 Prime Time										
6 Actual	1,230,187	459,625	100,927	101,982	10,161	5,862,236	30,855	33,281	0	7,829,254
7. Projected	639,556	304,727	23,916	46,580	17,884	2,946,817	16,952	14,761	0	4,011,193
8 Total	1,869,743	764,352	124,843	148,562	28,045	8,809,053	47,807	48,042	0	11,840,447
9 Energy Audits										
10 Actual	0	488,400	602	350,349	105,595	0	26,065	26,686	(2,235)	995,462
11 Projected	0	318,019	200	65,492	202,680	0	12,768	10,114	0	609,273
12 Total	0	806,419	802	415,841	308,275	0	38,833	36,800	(2,235)	1,604,735
13 Cogeneration										
14 Actual	0	144,955	0	0	0	0	915	1,312	0	147,182
15. Projected	0	83,533	0	0	0	0	517	0	0	84,050
16 Total	0	228,488	0	0	0	0	1,432	1,312	0	231,232
17. Ceiling Insulation										
18 Actual	0	101,314	0	4,154	2,227	190,281	2,558	2,877	0	303,411
19 Projected	0	48,648	0	0	7,452	100,676	1,300	5,440	0	163,516
20 Total	0	149,962	0	4,154	9,679	290,957	3,858	8,317	0	466,927
21 Commercial Load Management										
22 Actual	0	4,155	0	1,344	0	4,900	304	0	0	10,703
23 Projected	0	3,652	0	0	0	2,172	203	0	0	6,027
24 Total	0	7,807	0	1,344	0	7,072	507	0	0	16,730
25 Commercial Lighting										
26 Actual	0	4,372	0	0	1,757	33,529	138	0	0	39,796
27 Projected	0	2,142	0	0	7,452	13,200	68	0	0	22,862
28 Total	0	6,514	0	0	9,209	46,729	206	0	0	62,658
29 Standby Generator										
30 Actual	0	18,942	1,341	0	0	470,690	1,365	0	0	492,338
31 Projected	0	7,195	0	0	0	246,696	238	0	0	254,129
32 Total	0	26,137	1,341	0	0	717,386	1,603	0	0	746,467
33 Conservation Value										
34 Actual	0	4,163	27	0	0	13,507	9	0	0	17,706
35 Projected	0	2,040	0	0	0	33,400	20	0	0	35,460
36 Total	0	6,203	27	0	0	46,907	29	0	0	53,166
37 Duct Repair										
38 Actual	0	110,907	299	4,655	40,645	743,151	6,506	9,710	0	915,873
39 Projected	0	69,686	172	0	149,028	348,459	2,108	6,332	0	575,785
40 Total	0	180,593	471	4,655	189,673	1,091,610	8,614	16,042	0	1,491,658
45 Green Energy Initiative										
46 Actual	0	3,824	449	1,674	0	0	0	0	0	5 947
47. Projected	0	11,094	3,000	20,397	0	0	400	1,400	0	36,291
48 Total	0	14,918	3,449	22,071	0	0	400	1,400	0	42,238
49 Industrial Load Management										
50 Actual	0	1,035	0	0	0	0	0	0	0	1,035
51 Projected	0	524	0	0	0	0	100	0	0	624
52 Total	0	1,559	0	0	0	0	100	0	0	1,659
53 DSM R&D (D&E)										
54 Actual	0	3,898	9,109	14,725	0	0	143	0	0	27,875
55 Projected	0	5,257	15,500	200	0	0	400	0	0	21,357
56 Total	0	9,155	24,609	14,925	0	0	543	0	0	49 232
57 Commercial Cooling										
58 Actual	0	544	0	(11)	715	17,186	0	0	0	18,434
59 Projected	0	464	0	0	2,981	7,896	0	0	0	11,341
60 Total	0	1,008	0	(11)	3,696	25,082	0	0	0	29,775
61 Residential New Construction										
62 Actual	0	489	0	11	3,705	1,100	1	0	0	5 306
63 Projected	0	92	0	0	14,902	456	0	0	0	15,450
64 Total	0	581	0	11	18,607	1,556	1	0	0	20 756
65 Common Expenses										
66 Actual	0	97,503	0	0	0	0	6	0	0	97,509
67 Projected	0	74,260	0	0	0	0	100	0	0	74,360
68 Total	0	171,763	0	0	0	0	106	0	0	171,869
69 Total All Programs	1,869,743	2,458,943	155,563	645,029	585,288	11,708,770	104,229	116,694	(2,235)	17,642,004

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TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
Actual for Months January 2003 through August 2003
Projected for Months September 2003 through December 2003

PRIME TIME

		Beginning of Period	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Actual	August Actual	September Projected	October Projected	November Projected	December Projected	Total
1.	Investment		125,225	128,974	128,063	86,363	101,744	134,353	142,885	122,086	122,342	122,342	122,342	122,342	1,459,061
2	Retirements		22,431	56,218	92,016	76,163	86,849	88,418	43,139	71,762	46,458	46,923	43,232	66,453	740,062
3.	Depreciation Base		6,859,778	6,932,534	6,968,581	6,978,781	6,993,676	7,039,611	7,139,357	7,189,681	7,265,565	7,340,984	7,420,094	7,475,983	
4.	Depreciation Expense		113,473	114,936	115,843	116,228	116,437	116,944	118,158	119,409	120,460	121,721	123,009	124,134	1,420,752
5	Cumulative Investment	6,756,984	6,859,778	6,932,534	6,968,581	6,978,781	6,993,676	7,039,611	7,139,357	7,189,681	7,265,565	7,340,984	7,420,094	7,475,983	7,475,983
6.	Less: Accumulated Depreciation	2,919,489	3,010,531	3,069,249	3,093,076	3,133,141	3,162,729	3,191,255	3,266,274	3,313,921	3,387,923	3,462,721	3,542,498	3,600,179	3,600,179
7.	Net Investment	3,837,495	3,849,247	3,863,285	3,875,505	3,845,640	3,830,947	3,848,356	3,873,083	3,875,760	3,877,642	3,878,263	3,877,596	3,875,804	3,875,804
8	Average Investment		3,843,371	3,856,266	3,869,395	3,860,573	3,838,294	3,839,652	3,860,720	3,874,422	3,876,701	3,877,953	3,877,930	3,876,700	
9	Return on Average Investment		22,868	22,945	23,023	22,970	22,838	22,846	22,971	23,053	23,066	23,074	23,074	23,066	275,794
10.	Return Requirements		37,229	37,354	37,481	37,395	37,180	37,193	37,397	37,530	37,551	37,565	37,565	37,551	448,991
11.	Total Depreciation and Return		150,702	152,290	153,324	153,623	153,617	154,137	155,555	156,939	158,011	159,286	160,574	161,685	1,869,743

NOTES.
Depreciation expense is calculated using a useful life of 60 months
Return on Average Investment is calculated using a monthly rate of 0.59500%
Return requirements are calculated using an income tax multiplier of 1.6280016.

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TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
Actual for Months January 2003 through August 2003
Projected for Months September 2003 through December 2003

COMMERCIAL LOAD MANAGEMENT

		Beginning of Period	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Actual	August Actual	September Projected	October Projected	November Projected	December Projected	Total
1.	Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
3.	Depreciation Base		0	0	0	0	0	0	0	0	0	0	0	0	
4.	Depreciation Expense		0	0	0	0	0	0	0	0	0	0	0	0	0
5.	Cumulative Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6.	Less: Accumulated Deprec	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.	Net Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8.	Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	
9.	Return on Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Return Requirements		0	0	0	0	0	0	0	0	0	0	0	0	0
11.	Total Depreciation and Return		0	0	0	0	0	0	0	0	0	0	0	0	0

NOTES:
Depreciation expense is calculated using a useful life of 60 months.
Return on Average Investment is calculated using a monthly rate of 0.59500% .
Return requirements are calculated using an income tax multiplier of 1.6280016.

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TAMPA ELECTRIC COMPANY
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TAMPA ELECTRIC COMPANY
Conservation Program Costs

Actual for Months January 2003 through August 2003
Projected for Months September 2003 through December 2003

	Program Name	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Actual	August Actual	September Projected	October Projected	November Projected	December Projected	Grand Total
1	Heating and Cooling	56,951	59,649	55,721	62,263	79,371	80,649	72,276	67,899	69,794	69,294	69,294	69,294	812,455
2	Prime Time	1,111,129	1,133,735	1,041,376	886,288	928,097	904,850	912,067	911,712	910,068	917,507	1,085,768	1,097,850	11,840,447
3	Energy Audits	55,731	76,187	88,197	74,515	102,633	245,921	217,897	134,381	154,153	154,098	151,260	149,762	1,604,735
4	Cogeneration	12,927	18,692	17,589	16,835	27,508	17,395	18,512	17,724	21,224	21,221	21,256	20,349	231,232
5	Ceiling Insulation	21,046	29,255	47,302	30,272	60,772	43,903	42,242	28,619	40,879	40,879	40,879	40,879	466,927
6	Commercial Load Management	504	1,283	1,695	1,589	1,768	1,106	1,693	1,065	1,898	1,555	1,579	995	16,730
7	Commercial Lighting	262	1,595	22,295	947	526	3,955	384	9,832	5,716	5,715	5,716	5,715	62,658
8	Standby Generator	77,873	57,685	56,564	59,282	63,419	60,037	58,424	59,054	60,380	60,989	66,380	66,380	746,467
9	Conservation Value	85	333	10,062	308	995	630	4,566	727	4,477	5,953	477	24,553	53,166
10	Duct Repair	84,744	166,306	109,161	106,891	125,946	87,147	134,145	101,533	155,204	140,050	140,051	140,480	1,491,658
11	Green Energy Initiative	113	3,139	901	460	(1,206)	659	415	1,466	26,556	3,855	3,640	2,240	42,238
12	Industrial Load Management	0	944	0	0	91	0	0	0	0	312	0	312	1,659
13	DSM R&D (D&E)	0	8,847	1,023	14,300	460	459	460	2,326	1,190	1,856	1,887	16,424	49,232
14	Commercial Cooling	0	2,881	6,473	69	481	3,776	563	4,191	2,836	2,835	2,835	2,835	29,775
15	Residential New Construction	300	0	39	486	175	1,419	0	2,887	3,886	3,839	3,885	3,840	20,756
16	Common Expenses	7,276	11,800	10,842	11,370	19,077	11,824	14,592	10,728	18,565	18,615	18,565	18,615	171,869
17	Total	1,428,941	1,572,331	1,469,240	1,265,875	1,410,113	1,463,730	1,478,236	1,354,144	1,476,826	1,448,573	1,613,472	1,660,523	17,642,004
18	Less: Included in Base Rates	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Recoverable Conservation Expenses	1,428,941	1,572,331	1,469,240	1,265,875	1,410,113	1,463,730	1,478,236	1,354,144	1,476,826	1,448,573	1,613,472	1,660,523	17,642,004

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TAMPA ELECTRIC COMPANY
Energy Conservation Adjustment
Calculation of True-up

Actual for Months January 2003 through August 2003
Projected for Months September 2003 through December 2003

B. CONSERVATION REVENUES	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Actual	August Actual	September Projected	October Projected	November Projected	December Projected	Grand Total
1. Residential Conservation Audit Fees (A)	0	0	0	0	0	0	0	0	0	0	0	0	0
2. Conservation Adjustment Revenues * (C-4, page 1 of 1)	1,445,659	1,331,012	1,197,345	1,286,775	1,526,619	1,639,169	1,687,282	1,694,868	1,742,460	1,572,603	1,366,490	1,374,366	17,864,648
3. Total Revenues	1,445,659	1,331,012	1,197,345	1,286,775	1,526,619	1,639,169	1,687,282	1,694,868	1,742,460	1,572,603	1,366,490	1,374,366	17,864,648
4 Prior Period True-up	94,891	94,891	94,891	94,891	94,891	94,891	94,891	94,891	94,891	94,891	94,891	94,891	1,138,692
5. Conservation Revenue Applicable to Period	1,540,550	1,425,903	1,292,236	1,381,666	1,621,510	1,734,060	1,782,173	1,789,759	1,837,351	1,667,494	1,461,381	1,469,257	19,003,340
6. Conservation Expenses (C-3,Page 4, Line 14)	1,428,941	1,572,331	1,469,240	1,265,875	1,410,113	1,463,730	1,478,236	1,354,144	1,476,826	1,448,573	1,613,472	1,660,523	17,642,004
7. True-up This Period (Line 5 - Line 6)	111,609	(146,428)	(177,004)	115,791	211,397	270,330	303,937	435,615	360,525	218,921	(152,091)	(191,266)	1,361,336
8 Interest Provision This Period (C-3, Page 6, Line 10)	1,227	1,088	788	649	725	802	905	1,180	2,106	3,076	2,978	2,538	18,062
9. True-up & Interest Provision Beginning of Period	1,138,692	1,156,637	916,406	645,299	666,848	784,079	960,320	1,170,271	1,512,175	1,779,915	1,907,021	1,663,017	1,138,692
10. Prior Period True-up Collected (Refunded)	(94,891)	(94,891)	(94,891)	(94,891)	(94,891)	(94,891)	(94,891)	(94,891)	(94,891)	(94,891)	(94,891)	(94,891)	(1,138,692)
11. End of Period Total Net True-up	1,156,637	916,406	645,299	666,848	784,079	960,320	1,170,271	1,512,175	1,779,915	1,907,021	1,663,017	1,379,398	1,379,398

22

* Net of Revenue Taxes

(A) Included in Line 6
12.

13.

Summary of Allocation	Forecast	Ratio	True Up
Demand	13,555,484	0 71	979,373
Energy	5,516,223	0.29	400,025
Total	19,071,707	1.00	1,379,398

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TAMPA ELECTRIC COMPANY
Energy Conservation Adjustment
Calculation of Interest Provision

Actual for Months January 2003 through August 2003
Projected for Months September 2003 through December 2003

C. INTEREST PROVISION	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Actual	August Actual	September Projected	October Projected	November Projected	December Projected	Grand Total
1. Beginning True-up Amount (C-3, Page 5, Line 9)	$1,138,692	$1,156,637	$916,406	$645,299	$666,848	$784,079	$960,320	$1,170,271	$1,512,175	$1,779,915	$1,907,021	$1,663,017	
2. Ending True-up Amount Before Interest (C-3, Page 5, Lines 7 + 9 + 10)	1,155,410	915,318	644,511	666,199	783,354	959,518	1,169,366	1,510,995	1,777,809	1,903,945	1,660,039	1,376,860	
3. Total Beginning & Ending True-up	$2,294,102	$2,071,955	$1,560,917	$1,311,498	$1,450,202	$1,743,597	$2,129,686	$2,681,266	$3,289,984	$3,683,860	$3,567,060	$3,039,877	
4. Average True-up Amount (50% of Line 3)	$1,147,051	$1,035,978	$780,459	$655,749	$725,101	$871,799	$1,064,843	$1,340,633	$1,644,992	$1,841,930	$1,783,530	$1,519,939	
5. Interest Rate - First Day of Month	1.290%	1.270%	1.250%	1.180%	1.190%	1.210%	1.000%	1.050%	1.060%	2.000%	2.000%	2.000%	
6. Interest Rate - First Day of Next Month	1.270%	1.250%	1.180%	1.190%	1.210%	1.000%	1.050%	1.060%	2.000%	2.000%	2.000%	2.000%	
7. Total (Line 5 + Line 6)	2.560%	2.520%	2.430%	2.370%	2.400%	2.210%	2.050%	2.110%	3.060%	4.000%	4.000%	4.000%	
8. Average Interest Rate (50% of Line 7)	1.280%	1.260%	1.215%	1.185%	1.200%	1.105%	1.025%	1.055%	1.530%	2.000%	2.000%	2.000%	
9. Monthly Average Interest Rate (Line 8/12)	0.107%	0.105%	0.101%	0.099%	0.100%	0.092%	0.085%	0.088%	0.128%	0.167%	0.167%	0.167%	
10. Interest Provision (Line 4 x Line 9)	$1,227	$1,088	$788	$649	$725	$802	$905	$1,180	$2,106	$3,076	$2,978	$2,538	$18,062

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TAMPA ELECTRIC COMPANY
Energy Conservation
Calculation of Conservation Revenues

Actual for Months January 2003 through August 2003
Projected for Months September 2003 through December 2003

(1) Months	(2) Firm MWH Sales	(3) Interruptible MWH Sales	(4) Clause Revenue Net of Revenue Taxes
January	1,329,698	149,791	1,445,659
February	1,227,475	143,167	1,331,012
March	1,120,274	138,123	1,197,345
April	1,201,940	139,532	1,286,775
May	1,418,551	154,983	1,526,619
June	1,519,709	143,934	1,639,169
July	1,566,346	130,471	1,687,282
August	1,576,636	128,487	1,694,868
September	1,624,677	120,951	1,742,460
October	1,467,999	129,544	1,572,603
November	1,280,306	137,237	1,366,490
December	1,287,304	140,808	1,374,366
Total	16,620,915	1,657,028	17,864,648

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PROGRAM DESCRIPTION AND PROGRESS

Program Title: HEATING AND COOLING

Program Description: This is a residential conservation program designed to reduce weather-sensitive peaks by providing incentives for the installation of high efficiency heating and air conditioning equipment at existing residences.

Program Projections: January 1, 2003 to December 31, 2003

There are 3,913 units projected to be installed and approved.

January 1, 2004 to December 31, 2004

There are 3,950 units projected to be installed and approved.

Program Fiscal Expenditures: January 1, 2003 to December 31, 2003

Expenditures estimated for the period are $812,455.

January 1, 2004 to December 31, 2004

Expenditures estimated for the period are $838,228.

Program Progress Summary: Through December 31, 2002, there were 148,866 units installed and approved.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: PRIME TIME

Program Description: This is a residential load management program designed to directly control the larger loads in customers' homes such as air conditioning, water heating, electric space heating and pool pumps. Participating customers receive monthly credits on their electric bills.

Program Projections: January 1, 2003 to December 31, 2003

There are 73,815 projected customers for this program on a cumulative basis.

January 1, 2004 to December 31, 2004

There are 74,340 projected customers for this program on a cumulative basis.

Program Fiscal Expenditures: January 1, 2003 to December 31, 2003

Estimated expenditures are $11,840,447.

January 1, 2004 to December 31, 2004

Estimated expenditures are $12,141,037.

Program Progress Summary: There were 74,911 cumulative customers participating through December 31, 2002.

Breakdown is as follows:

Water Heating	69,235
Air Conditioning	50,785
Heating	53,279
Pool Pump	13,994

PROGRAM DESCRIPTION AND PROGRESS

Program Title: ENERGY AUDITS

Program Description: These are on-site and mail-in audits of residential, commercial and industrial premises that instruct customers on how to use conservation measures and practices to reduce their energy usage.

Program Projections: January 1, 2003 to December 31, 2003

Residential - 21,698 (RCS - 0; Free -9,200; Mail-in - 10,295; On-line - 2,203)

Comm/Ind - 435 (Paid - 0; Free - 435)

January 1, 2004 to December 31, 2004

Residential - 23,150 (RCS - 0; Alt - 9,400; Mail-in - 11,250; On-line - 2,400)

Comm/Ind - 450 (Paid - 0; Free - 450)

Program Fiscal Expenditures: January 1, 2003 to December 31, 2003

Expenditures are expected to be $1,604,735.

January 1, 2004 to December 31, 2004

Expenditures are expected to be $1,777,890.

Program Progress Summary: Through December 31, 2002 the following audit totals are:

Residential RCS (Fee)	3,890
Residential Alt (Free)	202,251
Residential Mail-in	79,095
Commercial-Ind (Fee)	226
Commercial-Ind (Free)	14,362
Commercial Mail-in	1,477

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COGENERATION

Program Description: This program encourages the development of cost-effective commercial and industrial cogeneration facilities through standard offers and negotiation of contracts for the purchase of firm capacity and energy.

Program Projections: January 1, 2003 to December 31, 2003

Communication and interaction will continue with all present and potential cogeneration customers.

January 1, 2004 to December 31, 2004

The development and publication of the 20-Year Cogeneration Forecast will occur.

Program Fiscal Expenditures: January 1, 2003 to December 31, 2003

Expenditures are estimated to be $231,232.

January 1, 2004 to December 31, 2004

Expenditures are estimated to be $241,310.

Program Progress Summary: The projected total maximum generation by electrically interconnected cogeneration during 2003 will be approximately 447 MW.

Continuing interaction with current and potential cogeneration developers for discussion regarding current cogeneration activities and future cogeneration construction activities. Currently there are 14 Qualifying Facilities with generation on-line in our service area.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: CEILING INSULATION

Program Description: This is a residential conservation program designed to reduce weather-sensitive peaks by providing incentives to encourage the installation of efficient levels of ceiling insulation.

Program Projections: January 1, 2003 to December 31, 2003

Approximately 3,089 participants are expected during this period.

January 1, 2004 to December 31, 2004

Approximately 3,400 participants are expected during this period.

Program Fiscal Expenditures: January 1, 2003 to December 31, 2003

Expenditures are estimated to be $466,927.

January 1, 2004 to December 31, 2004

Expenditures are estimated to be $520,925.

Program Progress Summary: Through December 31, 2002, there were 68,746 installations certified and paid.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL LOAD MANAGEMENT

Program Description: This is a load management program that achieves weather-sensitive demand reductions through load control of equipment at the facilities of firm commercial customers.

Program Projections: January 1, 2003 to December 31, 2003

No installations expected.

January 1, 2004 to December 31, 2004

Two installations expected.

Program Fiscal Expenditures: January 1, 2003 to December 31, 2003

Expenses of $16,730 are estimated.

January 1, 2004 to December 31, 2004

Expenses of $17,849 are estimated.

Program Progress Summary: Through December 31, 2002, there are 11 commercial installations in service.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL INDOOR LIGHTING

Program Description: This is a conservation program designed to reduce weather-sensitive peaks by encouraging investment in more efficient lighting technology in commercial facilities.

Program Projections: January 1, 2003 to December 31, 2003

During this period, 26 customers are expected to participate.

January 1, 2004 to December 31, 2004

During this period, 35 customers are expected to participate.

Program Fiscal Expenditures: January 1, 2003 to December 31, 2003

Expenditures estimated for the period are $62,658.

January 1, 2004 to December 31, 2004

Expenditures estimated for this period are $106,976

Program Progress Summary: Through December 31, 2002, there were 916 customers that participated.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: STANDBY GENERATOR

Program Description: This is a program designed to utilize the emergency generation capacity at firm commercial/industrial facilities in order to reduce weather-sensitive peak demand.

Program Projections: January 1, 2003 to December 31, 2003

Two installations are expected.

January 1, 2004 to December 31, 2004

Two installations are expected.

Program Fiscal Expenditures: January 1, 2003 to December 31, 2003

Expenditures estimated for the period are $746,467.

January 1, 2004 to December 31, 2004

Expenditures estimated for the period are $865,536.

Program Progress Summary: Through December 31, 2002, there are 44 customers participating.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: CONSERVATION VALUE

Program Description: This is an incentive program for firm commercial/industrial customers that encourages additional investments in substantial demand shifting or demand reduction measures.

Program Projections: January 1, 2003 to December 31, 2003

Two customers are expected to participate during this period.

January 1, 2004 to December 31, 2004

Two customers are expected to participate during this period.

Program Fiscal Expenditures: January 1, 2003 to December 31, 2003

Estimated expenses are $53,166.

January 1, 2004 to December 31, 2004

Estimated expenses are $109,625.

Program Progress Summary: Through December 31, 2002, there were 19 customers that earned incentive dollars. We are actively working with several customers on evaluations of various measures.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: DUCT REPAIR

Program Description: This is a residential conservation program designed to reduce weather-sensitive peaks by offering incentives to encourage the repair of the air distribution system in a residence.

Program Projections: January 1, 2003 to December 31, 2003

There are 5,702 repairs projected to be made.

January 1, 2004 to December 31, 2004

There are 5,800 repairs projected to be made.

Program Fiscal Expenditures: January 1, 2003 to December 31, 2003

Expenditures estimated for the period are $1,491,658.

January 1, 2004 to December 31, 2004

Expenditures estimated for the period are $1,664,085.

Program Progress Summary: Through December 31, 2002, there are 33,846 customers that have participated.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: GREEN PRICING INITIATIVE

Program Description: This is a three-year pilot initiative designed to assist in the delivery of renewable energy for the company's Green Energy Pilot Program. This specific effort provides funding for program administration, evaluation and market research.

Program Projections: January 1, 2003 to December 31, 2003

There are 233 customers with 325 subscribed blocks estimated for this period on a cumulative basis.

January 1, 2004 to December 31, 2004

There are 353 customers with 493 subscribed blocks estimated for this period on a cumulative basis.

Program Fiscal Expenditures: January 1, 2003 to December 31, 2003

Expenditures estimated for the period are $42,238.

January 1, 2004 to December 31, 2004

Expenditures estimated for the period are $56,988.

Program Progress Summary: Through December 31, 2002, there are 211 customers with 294 blocks subscribed.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: INDUSTRIAL LOAD MANAGEMENT

Program Description: This is a load management program for large industrial customers with interruptible loads of 500 kW or greater.

Program Projections: January 1, 2003 to December 31, 2003

No customers are expected to participate.

January 1, 2004 to December 31, 2004

See Program Progress Summary below.

Program Fiscal Expenditures: January 1, 2003 to December 31, 2003

Expenditures estimated for the period are $1,659.

January 1, 2004 to December 31, 2004

Expenditures estimated for the period are $408,604.

Program Progress Summary: Program approved by FPSC in Docket No. 990037-EI, Order No. PSC-99-1778-FOF-EI, issued September 10, 1999. For 2003, current assessment for participation has program open for customers and one customer showed interest, however, no participation is expected. Should the assessment indicate an opportunity for customer participation during 2004, the projected expenditures above have been based on the current interruptible class load average per customer with the additional assumption that each incremental customer would replicate that average.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: DSM RESEARCH AND DEVELOPMENT (R&D)

Program Description: This is a five-year R&D program directed at end-use technologies (both residential and commercial) not yet commercially available or where insufficient data exists for measure evaluations specific to central Florida climate.

Program Projections: See Program Progress Summary.

Program Fiscal Expenditures:

January 1, 2003 to December 31, 2003

Expenditures are estimated at $49,232.

January 1, 2004 to December 31, 2004

Expenditures are estimated at $64,694.

Program Progress Summary:

Tampa Electric's current activities for R&D include the following: 1) the evaluation of a new type of energy recovery ventilation system designed to reduce the amount of moisture in commercial fresh air HVAC intakes; 2) the evaluation and monitoring of a 30kW microturbine fueled by landfill gas; and 3) the evaluation and monitoring of a photovoltaic (PV) system installed at a local school also used as a storm center.

Testing is designed to evaluate the demand and energy consumption and operating characteristics of these products. This information will be used to determine potential DSM opportunities as directed in Order No. PSC-00-0754-PAA-EG, Docket No. 991791-EG.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL COOLING

Program Description: This is an incentive program to encourage the installation of high efficiency direct expansion (DX) commercial air conditioning equipment.

Program Projections: January 1, 2003 to December 31, 2003

There are 64 customers expected to participate.

January 1, 2004 to December 31, 2004

There are 71 customers expected to participate.

Program Fiscal Expenditures: January 1, 2003 to December 31, 2003

Expenditures are estimated at $29,775.

January 1, 2004 to December 31, 2004

Expenditures are estimated at $33,086.

Program Progress Summary: Through December 31, 2002, there were 128 units installed and approved.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: ENERGY PLUS HOMES

Program Description: This is a program that encourages the construction of new homes to be above the minimum energy efficiency levels required by the State of Florida Energy Efficiency Code for New Construction through the installation of high efficiency equipment and building envelope options.

Program Projections: January 1, 2003 to December 31, 2003

There are 7 customers expected to participate

January 1, 2004 to December 31, 2004

There are 55 customers expected to participate

Program Fiscal Expenditures: January 1, 2003 to December 31, 2003

Expenditures are estimated at $20,756.

January 1, 2004 to December 31, 2004

Expenditures are estimated at $44,654.

Program Progress Summary: Through December 31, 2002, 16 approved homes have participated.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMON EXPENSES

Program Description: These are expenses common to all programs.

Program Projections: N/A

Program Fiscal Expenditures: January 1, 2003 to December 31, 2003

Expenditures are estimated to be $171,869.

January 1, 2004 to December 31, 2004

Expenditures are estimated at $180,220.

Program Progress Summary: N/A

INPUT DATA - PART 1
PROGRAM TITLE: Industrial Load Management (GSLM 2 & 3)

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PAGE 1 OF 1
RUN DATE: September 22, 2003

	PROGRAM DEMAND SAVINGS & LINE LOSSES		
I.	(1) CUSTOMER KW REDUCTION AT THE METER	2,600.00	KW /CUST
I.	(2) GENERATOR KW REDUCTION PER CUSTOMER	2,815.24	KW GEN/CUST
I.	(3) KW LINE LOSS PERCENTAGE	6.5	%
I.	(4) GENERATION KWH REDUCTION PER CUSTOMER	638,156	KWH/CUST/YR
I.	(5) KWH LINE LOSS PERCENTAGE	5.8	%
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	601,143	KWH/CUST/YR
	ECONOMIC LIFE & K FACTORS		
II.	(1) STUDY PERIOD FOR CONSERVATION PROGRAM	30	YEARS
II.	(2) GENERATOR ECONOMIC LIFE	30	YEARS
II.	(3) T & D ECONOMIC LIFE	30	YEARS
II.	(4) K FACTOR FOR GENERATION	1.6815	
II.	(5) K FACTOR FOR T & D	1.6815	
	(6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1)	0	
	UTILITY & CUSTOMER COSTS		
III.	(1) UTILITY NONRECURRING COST PER CUSTOMER	1,500.00	$/CUST
III.	(2) UTILITY RECURRING COST PER CUSTOMER	1,200.00	$/CUST/YR
III.	(3) UTILITY COST ESCALATION RATE	2.5	%
III.	(4) CUSTOMER EQUIPMENT COST	10,000.00	$/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	0.0939	
III.	(13)* UTILITY AFUDC RATE	0.0779	
III	(14)* UTILITY NON RECURRING REBATE/INCENTIVE	0.00	$/CUST
III.	(15)* UTILITY RECURRING REBATE/INCENTIVE	128,550.00	$/CUST/YR
III.	(16)* UTILITY REBATE/INCENTIVE ESCAL RATE	0	%

	AVOIDED GENERATOR, TRANS. & DIST COSTS		
IV.	(1) BASE YEAR	2003	
IV.	(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2006	
IV.	(3) IN-SERVICE YEAR FOR AVOIDED T & D	2006	
IV.	(4) BASE YEAR AVOIDED GENERATING UNIT COST	227.07	$/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	2.544	$/KW/YR
IV.	(9) GENERATOR FIXED O&M ESCALATION RATE	2.5	%
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	2.5	%
IV.	(13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.8135	CENTS/KWH
IV.	(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.5	%
IV	(15) GENERATOR CAPACITY FACTOR	2.7	%
IV.	(16) AVOIDED GENERATING UNIT FUEL COST	5.462	CENTS/KWH
IV.	(17) AVOIDED GEN UNIT FUEL ESCALATION RATE	2.25	%
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	1.370	CENTS/KWH
V.	(2) NON-FUEL ESCALATION RATE	1	%
V.	(3) CUSTOMER DEMAND CHARGE PER KW	7.25	$/KW/MO
V	(4) DEMAND CHARGE ESCALATION RATE	1	%
V.	(5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT FACTOR FOR CUSTOMER BILL	0	

CALCULATED BENEFITS AND COSTS	
(1)* TRC TEST - BENEFIT/COST RATIO	**63.55**
(2)* PARTICIPANT NET BENEFITS (NPV)	**1,608**
(3)* RIM TEST - BENEFIT/COST RATIO	**1.20**

CALCULATION OF AFUDC AND IN-SERVICE COST OF PLANT
PLANT: 2006 Avoided Unit

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September 22, 2003

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
YEAR	NO. YEARS BEFORE INSERVICE	PLANT ESCALATION RATE (%)	CUMULATIVE ESCALATION FACTOR	YEARLY EXPENDITURE (%)	ANNUAL SPENDING ($/KW)	CUMULATIVE AVERAGE SPENDING ($/KW)	CUMULATIVE SPENDING WITH AFUDC ($/KW)	YEARLY TOTAL AFUDC ($/KW)	INCREMENTAL YEAR-END BOOK VALUE ($/KW)	CUMULATIVE YEAR-END BOOK VALUE ($/KW)
1997	-9	0	1	0	0	0	0	0	0	0
1998	-8	0	1	0	0	0	0	0	0	0
1999	-7	0	1	0	0	0	0	0	0	0
2000	-6	0	1	0	0	0	0	0	0	0
2001	-5	0	1	0	0	0	0	0	0	0
2002	-4	0	1	0	0	0	0	0	0	0
2003	-3	0.023	1.023	0	0	0.00	0.00	0.00	0.00	0.00
2004	-2	0.023	1.046529	0	0	0.00	0.00	0.00	0.00	0.00
2005	-1	0.023	1.070599167	0.59	144.52	72.26	72.26	5.62	150.14	150.14
2006	0	0	1.070599167	0.41	98.58	193.81	199.43	5.19	103.77	253.91
				1.000	243.1			10.81	253.91	

IN-SERVICE YEAR = 2006

PLANT COSTS (2002 $) 227.07
AFUDC RATE: 7.79%

INPUT DATA -- PART 2
PROGRAM: Industrial Load Management (GSLM 2 & 3)

PSC FORM CE 1.2
PAGE 1 OF 1
September 22, 2003

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
YEAR	CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	UTILITY AVERAGE SYSTEM FUEL COSTS (C/KWH)	AVOIDED MARGINAL FUEL COST (C/KWH)	INCREASED MARGINAL FUEL COST (C/KWH)	REPLACEMENT FUEL COST (C/KWH)	PROGRAM KW EFFECTIVENESS FACTOR	PROGRAM KWH EFFECTIVENESS FACTOR	OTHER COSTS ($000)	OTHER BENEFITS ($000)
2003	1	1	3.10	3.91	0	0	1	1	0	0
2004	1	1	2.99	3.45	0	0	1	1	0	0
2005	1	1	2.95	3.50	0	0	1	1	0	0
2006	1	1	3.04	3.69	0	0	1	1	0	0
2007	1	1	3.19	3.90	0	0	1	1	0	0
2008	1	1	3.30	4.10	0	0	1	1	0	0
2009	1	1	3.42	4.42	0	0	1	1	0	0
2010	1	1	3.56	4.57	0	0	1	1	0	0
2011	1	1	3.70	4.77	0	0	1	1	0	0
2012	1	1	3.89	5.09	0	0	1	1	0	0
2013	1	1	4.04	5.29	0	0	1	1	0	0
2014	1	1	4.19	5.50	0	0	1	1	0	0
2015	1	1	4.37	5.78	0	0	1	1	0	0
2016	1	1	4.56	6.13	0	0	1	1	0	0
2017	1	1	4.79	6.51	0	0	1	1	0	0
2018	1	1	4.99	6.75	0	0	1	1	0	0
2019	1	1	5.13	6.96	0	0	1	1	0	0
2020	1	1	5.37	7.33	0	0	1	1	0	0
2021	1	1	5.53	7.58	0	0	1	1	0	0
2022	1	1	5.72	7.86	0	0	1	1	0	0
2023	1	1	6.10	8.20	0	0	1	1	0	0
2024	1	1	6.26	8.33	0	0	1	1	0	0
2025	1	1	6.43	8.62	0	0	1	1	0	0
2026	1	1	6.63	8.92	0	0	1	1	0	0
2027	1	1	6.89	9.20	0	0	1	1	0	0
2028	1	1	7.07	9.68	0	0	1	1	0	0
2029	1	1	7.21	9.84	0	0	1	1	0	0
2030	1	1	7.44	10.16	0	0	1	1	0	0
2031	1	1	7.60	10.39	0	0	1	1	0	0
2032	1	1	7.77	10.64	0	0	1	1	0	0

EXHIBIT NO. _____
DOCKET NO. 030002-EG
TAMPA ELECTRIC COMPANY
(HTB-2)

AVOIDED GENERATION UNIT BENEFITS
PROGRAM: Industrial Load Management (GSLM 2 & 3)

PSC FORM CE 2.1
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September 22, 2003

* UNIT SIZE OF AVOIDED GENERATION UNIT = 2,815 KW
* INSERVICE COSTS OF AVOIDED GEN. UNIT (000) = $715

(1)	(1A)*	(2)	(2A)*	(3)	(4)	(5)	(6)	(6A)*	(7)
YEAR	REVENUE REQUIREMENT FACTOR	AVOIDED GEN UNIT CAPACITY COST $(000)	AVOIDED ANNUAL UNIT KWH GEN (000)	AVOIDED UNIT FIXED O&M COST $(000)	AVOIDED GEN UNIT VARIABLE O&M COST $(000)	AVOIDED GEN UNIT FUEL COST $(000)	REPLACEMENT FUEL COST $(000)	AVOIDED PURCHASED CAPACITY COSTS $(000)	AVOIDED GEN UNIT BENEFITS $(000)
2003	0.000	0	0	0	0	0	0	0	0
2004	0.000	0	0	0	0	0	0	0	0
2005	0.000	0	0	0	0	0	0	0	0
2006	0.199	143	666	8	6	39	0	0	195
2007	0.193	138	666	8	6	40	0	0	191
2008	0.185	132	666	8	6	41	0	0	187
2009	0.177	127	666	8	6	42	0	0	183
2010	0.170	122	666	9	6	42	0	0	179
2011	0.164	117	666	9	7	43	0	0	176
2012	0.158	113	666	9	7	44	0	0	173
2013	0.151	108	666	9	7	45	0	0	170
2014	0.145	104	666	9	7	46	0	0	167
2015	0.139	100	666	10	7	48	0	0	164
2016	0.133	95	666	10	7	49	0	0	161
2017	0.127	91	666	10	8	50	0	0	158
2018	0.121	87	666	10	8	51	0	0	156
2019	0.115	82	666	11	8	52	0	0	153
2020	0.109	78	666	11	8	53	0	0	150
2021	0.104	74	666	11	8	54	0	0	148
2022	0.101	72	666	11	9	56	0	0	148
2023	0.099	70	666	12	9	57	0	0	148
2024	0.096	69	666	12	9	58	0	0	148
2025	0.094	67	666	12	9	59	0	0	148
2026	0.091	65	666	13	10	61	0	0	148
2027	0.089	64	666	13	10	62	0	0	148
2028	0.087	62	666	13	10	63	0	0	149
2029	0.084	60	666	14	10	65	0	0	149
2030	0.082	59	666	14	11	66	0	0	149
2031	0.080	57	666	14	11	68	0	0	150
2032	0.077	55	666	15	11	69	0	0	150
NOMINAL		2410	17978	293	221	1423	0	0	4346
NPV		868		77	59	382	0	0	1,386

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

AVOIDED T & D AND PROGRAM FUEL SAVINGS
PROGRAM: Industrial Load Management (GSLM 2 & 3)

PSC FORM CE 2.2
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September 22, 2003

* INSERVICE COSTS OF AVOIDED TRANS. (000) = $0
* INSERVICE COSTS OF AVOIDED DIST. (000) = $0

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
YEAR	AVOIDED TRANSMISSION CAPACITY COST $(000)	AVOIDED TRANSMISSION O&M COST $(000)	TOTAL AVOIDED TRANSMISSION COST $(000)	AVOIDED DISTRIBUTION CAPACITY COST $(000)	AVOIDED DISTRIBUTION O&M COST $(000)	TOTAL AVOIDED DISTRIBUTION COST $(000)	PROGRAM FUEL SAVINGS $(000)
2003	0	0	0	0	0	0	12
2004	0	0	0	0	0	0	22
2005	0	0	0	0	0	0	22
2006	0	0	0	0	0	0	24
2007	0	0	0	0	0	0	25
2008	0	0	0	0	0	0	26
2009	0	0	0	0	0	0	28
2010	0	0	0	0	0	0	29
2011	0	0	0	0	0	0	30
2012	0	0	0	0	0	0	33
2013	0	0	0	0	0	0	34
2014	0	0	0	0	0	0	35
2015	0	0	0	0	0	0	37
2016	0	0	0	0	0	0	39
2017	0	0	0	0	0	0	42
2018	0	0	0	0	0	0	43
2019	0	0	0	0	0	0	44
2020	0	0	0	0	0	0	47
2021	0	0	0	0	0	0	48
2022	0	0	0	0	0	0	50
2023	0	0	0	0	0	0	52
2024	0	0	0	0	0	0	53
2025	0	0	0	0	0	0	55
2026	0	0	0	0	0	0	57
2027	0	0	0	0	0	0	59
2028	0	0	0	0	0	0	62
2029	0	0	0	0	0	0	63
2030	0	0	0	0	0	0	65
2031	0	0	0	0	0	0	66
2032	0	0	0	0	0	0	68
NOMINAL	0	0	0	0	0	0	1,271
NPV:	0	0	0	0	0	0	346

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

EXHIBIT NO. _____
DOCKET NO. 030002-EG
TAMPA ELECTRIC COMPANY
(HTB-2)

* WORKSHEET : DSM PROGRAM FUEL SAVINGS
PROGRAM: Industrial Load Management (GSLM 2 & 3)

WORKSHEET FOR FORM CE 2.2
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September 22, 2003

(1)	(2)	(3)	(4)	(5)	(6)	(7)
YEAR	REDUCTION IN KWH GENERATION NET NEW CUST KWH (000)	AVOIDED MARGINAL FUEL COST - REDUCED KWH $(000)	INCREASE IN KWH GENERATION NET NEW CUST KWH (000)	INCREASED MARGINAL FUEL COST - INCREASE KWH $(000)	NET AVOIDED PROGRAM FUEL SAVINGS $(000)	EFFECTIVE PROGRAM FUEL SAVINGS $(000)
2003	319	12	0	0	12	12
2004	638	22	0	0	22	22
2005	638	22	0	0	22	22
2006	638	24	0	0	24	24
2007	638	25	0	0	25	25
2008	638	26	0	0	26	26
2009	638	28	0	0	28	28
2010	638	29	0	0	29	29
2011	638	30	0	0	30	30
2012	638	33	0	0	33	33
2013	638	34	0	0	34	34
2014	638	35	0	0	35	35
2015	638	37	0	0	37	37
2016	638	39	0	0	39	39
2017	638	42	0	0	42	42
2018	638	43	0	0	43	43
2019	638	44	0	0	44	44
2020	638	47	0	0	47	47
2021	638	48	0	0	48	48
2022	638	50	0	0	50	50
2023	638	52	0	0	52	52
2024	638	53	0	0	53	53
2025	638	55	0	0	55	55
2026	638	57	0	0	57	57
2027	638	59	0	0	59	59
2028	638	62	0	0	62	62
2029	638	63	0	0	63	63
2030	638	65	0	0	65	65
2031	638	66	0	0	66	66
2032	638	68	0	0	68	68
NOMINAL	18,826	1,271	0	0	1,271	1,271
NPV:		346		0	346	346

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

* WORKSHEET. UTILITY COSTS AND PARTICIPANT COSTS AND REV LOSS/GAIN
PROGRAM: Industrial Load Management (GSLM 2 & 3)

WORKSHEET FOR FORM CE 2 2
Page 2 of 2
September 22, 2003

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
ITY PROGRAM COSTS & REBATES ——>				<---------- PARTICIPATING CUSTOMER COSTS & BENEFITS ---------->													
YEAR	UTIL NONREC. COSTS $(000)	UTIL RECUR COSTS $(000)	TOTAL UTIL PGM COSTS $(000)	UTIL NONREC. REBATES $(000)	UTIL RECUR. REBATES $(000)	TOTAL REBATE/ INCENT. COSTS $(000)	PARTIC. CUST EQUIP COSTS $(000)	PARTIC CUST O & M COSTS $(000)	TOTAL COSTS PARTIC. CUST $(000)	REDUCT. IN CUST. KWH (000)	RED REV. - FUEL PORTION $(000)	RED REV. NONFUEL PORTION $(000)	EFFECT REV REDUCT. TO CUST $(000)	INC IN CUST. KWH (000)	INC. REV - FUEL PORTION $(000)	INC REV NONFUEL PORTION	EFFECT. REVENUE INC. IN BILL $(000)
2003	2	1	2	0	64	64	10	0	10	301	8	4	12	0	0	0	0
2004	0	1	1	0	129	129	0	0	0	601	14	8	23	0	0	0	0
2005	0	1	1	0	129	129	0	0	0	601	14	8	22	0	0	0	0
2006	0	1	1	0	129	129	0	0	0	601	13	8	22	0	0	0	0
2007	0	1	1	0	129	129	0	0	0	601	14	9	23	0	0	0	0
2008	0	1	1	0	129	129	0	0	0	601	15	9	24	0	0	0	0
2009	0	1	1	0	129	129	0	0	0	601	16	9	25	0	0	0	0
2010	0	1	1	0	129	129	0	0	0	601	17	9	25	0	0	0	0
2011	0	1	1	0	129	129	0	0	0	601	17	9	26	0	0	0	0
2012	0	1	1	0	129	129	0	0	0	601	18	9	27	0	0	0	0
2013	0	2	2	0	129	129	0	0	0	601	19	9	28	0	0	0	0
2014	0	2	2	0	129	129	0	0	0	601	19	9	29	0	0	0	0
2015	0	2	2	0	129	129	0	0	0	601	20	9	29	0	0	0	0
2016	0	2	2	0	129	129	0	0	0	601	21	9	30	0	0	0	0
2017	0	2	2	0	129	129	0	0	0	601	22	9	31	0	0	0	0
2018	0	2	2	0	129	129	0	0	0	601	23	10	32	0	0	0	0
2019	0	2	2	0	129	129	0	0	0	601	23	10	33	0	0	0	0
2020	0	2	2	0	129	129	0	0	0	601	24	10	34	0	0	0	0
2021	0	2	2	0	129	129	0	0	0	601	25	10	35	0	0	0	0
2022	0	2	2	0	129	129	0	0	0	601	27	10	36	0	0	0	0
2023	0	2	2	0	129	129	0	0	0	601	27	10	37	0	0	0	0
2024	0	2	2	0	129	129	0	0	0	601	28	10	38	0	0	0	0
2025	0	2	2	0	129	129	0	0	0	601	29	10	39	0	0	0	0
2026	0	2	2	0	129	129	0	0	0	601	30	10	40	0	0	0	0
2027	0	2	2	0	129	129	0	0	0	601	31	10	41	0	0	0	0
2028	0	2	2	0	129	129	0	0	0	601	32	11	42	0	0	0	0
2029	0	2	2	0	129	129	0	0	0	601	33	11	43	0	0	0	0
2030	0	2	2	0	129	129	0	0	0	601	34	11	45	0	0	0	0
2031	0	2	2	0	129	129	0	0	0	601	35	11	46	0	0	0	0
2032	0	2	2	0	129	129	0	0	0	601	36	11	47	0	0	0	0
NOMINAL	2	52	54	0	3,792	3,792	10	0	10	17,734	683	282	965	0	0	0	0
NPV	2	16	17	0	1,332	1,332	10	0	10		193	93	287		0	0	0

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

EXHIBIT NO. _____
DOCKET NO. 030002-EG
TAMPA ELECTRIC COMPANY
(HTB-2)

TOTAL RESOURCE COST TESTS
PROGRAM: Industrial Load Management (GSLM 2 & 3)

PSC FORM CE 2.3
Page 1 of 1
September 22, 2003

(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)
2003	0	2	10	0	12	0	0	12	0	12	0	0
2004	0	1	0	0	1	0	0	22	0	22	21	19
2005	0	1	0	0	1	0	0	22	0	22	21	37
2006	0	1	0	0	1	195	0	24	0	219	217	203
2007	0	1	0	0	1	191	0	25	0	216	215	353
2008	0	1	0	0	1	187	0	26	0	213	212	488
2009	0	1	0	0	1	183	0	28	0	211	210	610
2010	0	1	0	0	1	179	0	29	0	208	207	721
2011	0	1	0	0	1	176	0	30	0	206	205	821
2012	0	1	0	0	1	173	0	33	0	205	204	911
2013	0	2	0	0	2	170	0	34	0	204	202	994
2014	0	2	0	0	2	167	0	35	0	202	200	1,068
2015	0	2	0	0	2	164	0	37	0	201	199	1,136
2016	0	2	0	0	2	161	0	39	0	200	199	1,198
2017	0	2	0	0	2	158	0	42	0	200	198	1,255
2018	0	2	0	0	2	156	0	43	0	199	197	1,306
2019	0	2	0	0	2	153	0	44	0	197	196	1,352
2020	0	2	0	0	2	150	0	47	0	197	195	1,395
2021	0	2	0	0	2	148	0	48	0	197	195	1,434
2022	0	2	0	0	2	148	0	50	0	198	196	1,469
2023	0	2	0	0	2	148	0	52	0	200	198	1,502
2024	0	2	0	0	2	148	0	53	0	201	199	1,532
2025	0	2	0	0	2	148	0	55	0	203	201	1,560
2026	0	2	0	0	2	148	0	57	0	205	203	1,586
2027	0	2	0	0	2	148	0	59	0	207	205	1,610
2028	0	2	0	0	2	149	0	62	0	210	208	1,632
2029	0	2	0	0	2	149	0	63	0	212	210	1,652
2030	0	2	0	0	2	149	0	65	0	214	212	1,671
2031	0	2	0	0	2	150	0	66	0	216	214	1,688
2032	0	2	0	0	2	150	0	68	0	218	216	1,704
NOMINAL	0	54	10	0	64	4,346	0	1,271	0	5,617	5,554	
NPV:	0	17	10	0	27	1,386	0	346	0	1,732	1,704	
Discount Rate		0.0939	Benefit/Cost Ratio - [col (11)/col (6)]:				63.55					

EXHIBIT NO. _____
DOCKET NO. 030002-EG
TAMPA ELECTRIC COMPANY
(HTB-2)

PARTICIPANT COSTS AND BENEFITS
PROGRAM: Industrial Load Management (GSLM 2 & 3)

PSC FORM CE 2.4
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September 22, 2003

(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)
2003	12	0	64	0	76	10	0	0	10	66	66
2004	23	0	129	0	151	0	0	0	0	151	204
2005	22	0	129	0	151	0	0	0	0	151	330
2006	22	0	129	0	150	0	0	0	0	150	445
2007	23	0	129	0	151	0	0	0	0	151	551
2008	24	0	129	0	152	0	0	0	0	152	648
2009	25	0	129	0	153	0	0	0	0	153	738
2010	25	0	129	0	154	0	0	0	0	154	820
2011	26	0	129	0	155	0	0	0	0	155	895
2012	27	0	129	0	156	0	0	0	0	156	965
2013	28	0	129	0	157	0	0	0	0	157	1,029
2014	29	0	129	0	157	0	0	0	0	157	1,087
2015	29	0	129	0	158	0	0	0	0	158	1,141
2016	30	0	129	0	159	0	0	0	0	159	1,190
2017	31	0	129	0	160	0	0	0	0	160	1,236
2018	32	0	129	0	161	0	0	0	0	161	1,278
2019	33	0	129	0	162	0	0	0	0	162	1,316
2020	34	0	129	0	163	0	0	0	0	163	1,351
2021	35	0	129	0	164	0	0	0	0	164	1,384
2022	36	0	129	0	165	0	0	0	0	165	1,414
2023	37	0	129	0	166	0	0	0	0	166	1,442
2024	38	0	129	0	167	0	0	0	0	167	1,467
2025	39	0	129	0	168	0	0	0	0	168	1,490
2026	40	0	129	0	169	0	0	0	0	169	1,512
2027	41	0	129	0	170	0	0	0	0	170	1,531
2028	42	0	129	0	171	0	0	0	0	171	1,549
2029	43	0	129	0	172	0	0	0	0	172	1,566
2030	45	0	129	0	173	0	0	0	0	173	1,581
2031	46	0	129	0	174	0	0	0	0	174	1,595
2032	47	0	129	0	175	0	0	0	0	175	1,608
NOMINAL	965	0	3,792	0	4,758	10	0	0	10	4,748	
NPV:	287	0	1,332	0	1,618	10	0	0	10	1,608	

In service year of gen unit: 2004
Discount rate: 0.0939

EXHIBIT NO. _____
DOCKET NO. 030002-EG
TAMPA ELECTRIC COMPANY
(HTB-2)

RATE IMPACT TEST
PROGRAM: Industrial Load Management (GSLM 2 & 3)

PSC FORM CE 2.5
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September 22, 2003

(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 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)
2003	0	2	64	4	0	70	12	0	0	0	12	(58)	(58)
2004	0	1	129	8	0	138	22	0	0	0	22	(116)	(164)
2005	0	1	129	8	0	138	22	0	0	0	22	(116)	(261)
2006	0	1	129	8	0	138	219	0	0	0	219	80	(200)
2007	0	1	129	9	0	138	216	0	0	0	216	78	(145)
2008	0	1	129	9	0	139	213	0	0	0	213	74	(98)
2009	0	1	129	9	0	139	211	0	0	0	211	72	(56)
2010	0	1	129	9	0	139	208	0	0	0	208	69	(19)
2011	0	1	129	9	0	139	206	0	0	0	206	67	14
2012	0	1	129	9	0	139	205	0	0	0	205	66	44
2013	0	2	129	9	0	139	204	0	0	0	204	64	70
2014	0	2	129	9	0	139	202	0	0	0	202	63	93
2015	0	2	129	9	0	139	201	0	0	0	201	61	114
2016	0	2	129	9	0	140	200	0	0	0	200	61	133
2017	0	2	129	9	0	140	200	0	0	0	200	60	150
2018	0	2	129	10	0	140	199	0	0	0	199	59	166
2019	0	2	129	10	0	140	197	0	0	0	197	57	179
2020	0	2	129	10	0	140	197	0	0	0	197	57	192
2021	0	2	129	10	0	140	197	0	0	0	197	57	203
2022	0	2	129	10	0	140	198	0	0	0	198	58	213
2023	0	2	129	10	0	141	200	0	0	0	200	60	223
2024	0	2	129	10	0	141	201	0	0	0	201	60	232
2025	0	2	129	10	0	141	203	0	0	0	203	62	241
2026	0	2	129	10	0	141	205	0	0	0	205	64	249
2027	0	2	129	10	0	141	207	0	0	0	207	66	257
2028	0	2	129	11	0	141	210	0	0	0	210	69	264
2029	0	2	129	11	0	141	212	0	0	0	212	70	271
2030	0	2	129	11	0	142	214	0	0	0	214	73	277
2031	0	2	129	11	0	142	216	0	0	0	216	74	283
2032	0	2	129	11	0	142	218	0	0	0	218	76	289
NOMINAL	0	54	3,792	282	0	4,128	5,617	0	0	0	5,617	1,489	
NPV:	0	17	1,332	93	0	1,443	1,732	0	0	0	1,732	289	
Discount rate:			0.0939		Benefit/Cost Ratio - [col (12)/col (7)]:				1.20				

EXHIBIT NO. _____
DOCKET NO. 030002-EG
TAMPA ELECTRIC COMPANY
(HTB-2)