# BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION DOCKET NO. 040004-GU

#### DETERMINATION OF CONSERVATION COSTS RECOVERY FACTOR

### Direct Testimony of ROBERT L. SMITH

### On Behalf of FLORIDA PUBLIC UTILITIES COMPANY

- 1 Q. Please state your name and business address.
- 2 A. Robert L. Smith: my business address is 401 S. Dixie Highway,
- 3 West Palm Beach, Florida 33401.
- 4 Q. By whom are you employed and in what capacity?
- 5 A. I am employed by Florida Public Utilities Company as Director of
- 6 Business Development.
- 7 Q. What is the purpose of your testimony at this time?
- 8 A. To advise the Commission of the actual over/under recovery of the
- 9 Conservation costs for the period January 1, 2003 through
- December 31, 2003 as compared to the amounts previously reported
- 11 for that period which were based on four months estimated data.
- 12 Q. Please state the actual amounts of over/under recovery of
- 13 Conservation Program costs for both divisions of Florida Public
- Utilities Company for January 1, 2003 through December 31, 2003.
- 15 A. The Company under-recovered \$11,485 during that period. These
- amounts are substantiated on Schedule CT-3, page 2 of 3,
- 17 Calculation of True-up and Interest Provision.

DOCUMENT NUMBER-DATE

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- 1 Q. How do these amounts compare with the estimated true-up amounts
- which were allowed by the Commission?
- 3 A. We had estimated that we would over-recover \$140,696 as of
- 4 December 31, 2003.
- 5 Q. Have you prepared any exhibits at this time?
- 6 A. We have prepared and pre-filled Schedules CT-1, CT-2, CT-3, CT-4,
- 7 CT-5 and CT-6 (Composite Exhibit RLS-2).
- 8 Q. Does this conclude your testimony?
- 9 A. Yes.

#### SCHEDULE CT-1 PAGE 1 OF 1

#### CONSERVATION ADJUSTMENT TRUE-UP

FOR MONTHS

January-03 THROUGH

December-03

1,	ADJUSTED END	OF PERIOD TOTA	L NET TRUE-U	Р		
2.	FOR MONTHS	January-03	THROUGH	December-03		
3.	END OF PERIOD	NET TRUE-UP				
4.	PRINCIPAL				(5,055)	
5.	INTEREST				(1,546)	 (6,601)
6.	LESS PROJECTE	D TRUE-UP				
7.	November-03	(DATE) HEARING	3S			
8.	PRINCIPAL				(154,941)	
9.	INTEREST				(1,757)	 (156,698)
10.	ADJUSTED END	OF PERIOD TOTA	L TRUE-UP			 150,097

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SCHEDULE CT-2 PAGE 1 OF 3

### ANALYSIS OF ENERGY CONSERVATION PROGRAM COSTS ACTUAL VS PROJECTED

	FOR MONTHS	January-03	THROUGH	December-03	
	<u>.</u>	ACTUAL		PROJECTED	DIFFERENCE
1.	Labor/Payroll	195,622		233,146	(37,524)
2.	Advertisement	708,386		485,316	223,070
3.	Legal				
4.	Outside Services	66,770		89,104	(22,334)
5.	Vehicle	6,274		20,591	(14,317)
6.	Materials & Supplies	57,807		64,364	(6,557)
7.	Travel	9,116		8,302	814
8.	General & Administrative	15,606		11,116	4,490
9.	Incentives	941,349		1,055,646	(114,297)
10.	Other	1,359	· · · · · · · · · · · · · · · · · · ·	22,935	(21,576)
11.	SUB-TOTAL	2,002,289		1,990,520	11,769
12.	PROGRAM REVENUES	<u> </u>			
13.	TOTAL PROGRAM COSTS	2,002,289	· · · · · · · · · · · · · · · · · · ·	1,990,520	11,769
14	LESS: PRIOR PERIOD TRUE-UP	(107,559)		(107,559)	
15.	AMOUNTS INCLUDED IN RATE BASE			,	
16.	CONSERVATION ADJ REVENUE	2,114,903		2,253,020	(138,117)
17.	ROUNDING ADJUSTMENT				
18.	TRUE-UP BEFORE INTEREST	(5,055)		(154,941)	149,886
19.	ADD INTEREST PROVISION	(1,546)		(1,757)	211
20.	END OF PERIOD TRUE-UP	(6,601)		(156,698)	150,097
	A DEEL FOTO OVEDDEGOVEDV				

() REFLECTS OVERRECOVERY

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#### ACTUAL CONSERVATION PROGRAM COSTS PER PROGRAM

FOR MONTHS

January-03 THROUGH December-03

L         REVENUES         TOTAL           530         743,530           344         62,344           985         127,085           942         36,942           879         17,879           331         378,031           996         27,996
344 62,344 185 127,085 1942 36,942 17,879 131 378,031
085 127,085 942 36,942 879 17,879 031 378,031
942 36,942 879 17,879 031 378,031
879 17,879 031 378,031
879 17,879 031 378,031
996 27,996
900 900
582 607,582

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#### CONSERVATION COSTS PER PROGRAM-VARIANCE ACTUAL VS PROJECTED VARIANCE ACTUAL VS PROJECTED

FOR MONTHS

January-03 THROUGH December-03

	PROGRAM NAME	LABOR/PAY	ADVERTISE.	LEGAL	OUT.SERV,	VEHICLE	MAT.&SUPP.	TRAVEL	G & A	INCENTIVES	OTHER	SUB TOTAL	PROGRAM REVENUES	TOTAL
1	Full House Res New Construction	(10,272)	(14,198)		(3,969)		(2,926)	(398)	24	(62,363)	(2,330)	(96,432)		(96,432)
2.	Residential Appliance Replacement	(10,645)	(4,600)		(600)		(2,570)	• •		(4,624)	(1,670)	(24,709)		(24,709)
3	Conservation Education	(3,330)	96,944		(1,470)		(1,144)				(1,670)	89,330		89,330
4.	Space Conditioning	(2,089)	(516)		1,260		(801)			(9,500)	(1,000)	(12,646)		(12,646)
5	Residential Conservation Service	217	(3,770)		(320)		3,634			(400)	(1,670)	(2,309)		(2,309)
6.	Residential Appliance Retention	(8,407)	37,282		(1,200)		(2,870)			(30,740)	(2,000)	(7,935)		(7,935)
10	Commercial Conservation Service	4,687	(3,500)		(4,830)		2,263				(1,330)	(2,710)		(2,710)
12	Commercial Equipment Repair													
13	Residential Service Reactivation	(3,190)	(2,070)				(870)			(6,670)		(12,800)		(12,800)
14.	Common	(4,495)	117,498		(11,205)	(14,317)	(1,273)	1,212	4,466		(9,906)	81,980		81,980
	TOTAL ALL PROGRAMS	(37,524)	223,070		(22,334)	(14,317)	(6,557)	814	4,490	(114,297)	(21,576)	11,769		11,769

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### ENERGY CONSERVATION ADJUSTMENT CALCULATION OF TRUE-UP AND INTEREST PROVISION SUMMARY OF EXPENSES BY PROGRAM BY MONTH

	FOR MONTHS	January-03	THROUGH	December-03										
A.	CONSERVATION EXPENSE BY PROGRAM	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1 2. 3 4. 5. 6 10. 12	Full House Res. New Construction Residential Appliance Replacement Conservation Education Space Conditioning Residential Conservation Service Residential Appliance Retention Commercial Conservation Service Commercial Equipment Repair Residential Service Reactivation	73,741 5,529 206 1,188 610 37,636 2,685	55,051 7,718 1,106 3,428 1,743 31,177 1,439	58,242 5,657 206 3,249 773 31,841 1,494	110,469 3,831 207 4,511 571 26,858 1,728	58,576 6,414 9,171 4,559 522 22,617 3,439	52,237 7,237 2,319 3,422 670 25,867 2,200	48,307 3,270 1,829 3,431 396 19,882 1,656	46,246 4,056 7,711 3,461 402 28,629 2,389	69,498 3,650 8,431 3,746 527 27,932 1,838	44,669 4,069 42,960 7,985 7,096 40,649 1,961	34,182 4,064 693 (5,580) 3,973 25,190 5,156	92,312 6,949 52,246 3,542 596 59,753 2,011	743,530 62,344 127,085 36,942 17,879 378,031 27,996
14. 610	Common	52,310	16,928 238	60,874 (215)	50,528	46,799	36,139	31,294 1,465	30,571 (1,465)	17,843 (23)	21,660	94,800	147,836	607,582
15 16 17 18 19 20	_											····		
21.	TOTAL ALL PROGRAMS	173,905	119,728	162,021	198,703	152,097	130,091	111,530	122,000	133,442	171,049	162,478	365,245	2,002,289
22	LESS AMOUNT INCLUDED IN RATE BASE													
23	RECOVERABLE CONSERVATION EXPENSES	173,905	119,728	162,021	198,703	152,097	130,091	111,530	122,000	133,442	171,049	162,478	365,245	2,002,289

#### CALCULATION OF TRUE-UP AND INTEREST PROVISION

FOR MONTHS

January-03 THROUGH December-03

В.	CONSERVATION REVENUES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1	RESIDENTIAL CONSERVATION													
2	CONSERVATION ADJ. REVENUES	297,031	259,207	195,528	180,601	156,286	132,627	123,953	121,127	126,561	127,354	162,136	232,491	2,114,903
3.	TOTAL REVENUES	297,031	259,207	195,528	180,601	156,286	132,627	123,953	121,127	126,561	127,354	162,136	232,491	2,114,903
4	PRIOR PERIOD TRUE-UP ADJ NOT APPLICABLE TO THIS PERIOD	(8,966)	(8,963)	(8,963)	(8,963)	(8,963)	(8,963)	(8,963)	(8,963)	(8,963)	(8,963)	(8,963)	(8,963)	(107,559)
5	CONSERVATION REVENUE APPLICABLE	288,065	250,244	186,565	171,638	147,323	123,664	114,990	112,164	117,598	118,391	153,173	223,528	2,007,344
6	CONSERVATION EXPENSES (FROM CT-3, PAGE 1, LINE 23)	173,905	119,728	162,021	198,703	152,097	130,091	111,530	122,000	133,442	171,049	162,478	365,245	2,002,289
7.	TRUE-UP THIS PERIOD (LINE 5 - 6)	114,160	130,516	24,544	(27,065)	(4,774)	(6,427)	3,460	(9,836)	(15,844)	(52,658)	(9,305)	(141,717)	5,055
8	INTEREST PROVISION THIS PERIOD (FROM CT-3, PAGE 3, LINE 10)	(49)	90	174	177	173	163	157	167	165	142	123	64	1,546
9	TRUE-UP AND INTEREST PROVISION BEGINNING OF MONTH	(107,559)	15,518	155,087	188,768	170,844	175,205	177,905	190,484	189,778	183,063	139,510	139,291	(107,559)
9A.	DEFERRED TRUE-UP BEGINNING OF PERIOD													
10.	PRIOR TRUE-UP COLLECTED (REFUNDED)	8,966	8,963	8,963	8,963	8,963	8,963	8,963	8,963	8,963	8,963	8,963	8,963	107,559
11.	TOTAL NET TRUE-UP (LINES 7+8+9+9A+10)	15,518	155,087	188,768	170,844	175,205	177,905	190,484	189,778	183,063	139,510	139,291	6,601	6,601

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#### CALCULATION OF TRUE-UP AND INTEREST PROVISION

FOR MONTHS

January-03 THROUGH December-03

C.	INTEREST PROVISION	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1	BEGINNING TRUE-UP (LINE B-9)	(107,559)	15,518	155,087	188,768	170,844	175,205	177,905	190,484	189,778	183,063	139,510	139,291	(107,559)
2.	ENDING TRUE-UP BEFORE INTEREST (LINES B7+B9+B9A+B10)	15,567	154,997	188,594	170,667	175,032	177,742	190,327	189,611	182,898	139,368	139,168	6,537	5,055
3	TOTAL BEG AND ENDING TRUE-UP	(91,992)	170,515	343,681	359,435	345,876	352,947	368,232	380,096	372,676	322,430	278,678	145,828	(102,504)
4.	AVERAGE TRUE-UP (LINE C-3 X 50%)	(45,996)	85,258	171,841	179,717	172,938	176,473	184,116	190,048	186,338	161,215	139,339	72,914	(51,252)
5	INTEREST RATE - FIRST DAY OF REPORTING BUSINESS MONTH	1 29%	1 27%	1 25%	1 18%	1.19%	1 21%	1 00%	1 05%	1 06%	1 06%	1 06%	1 06%	
6	INTEREST RATE - FIRST DAY OF SUBSEQUENT BUSINESS MONTH	1 27%	1 25%	1 18%	1 19%	1 21%	1 00%	1 05%	1 06%	1 06%	1 06%	1 06%	1 06%	
7.	TOTAL (LINE C-5 + C-6)	2 56%	2 52%	2 43%	2 37%	2 40%	2.21%	2 05%	2 11%	2 12%	2.12%	2 12%	2 12%	
8.	AVG. INTEREST RATE (C-7 X 50%)	1 28%	1 26%	1.22%	1 19%	1 20%	1 11%	1 03%	1 06%	1 06%	1 06%	1.06%	1 06%	
9	MONTHLY AVERAGE INTEREST RATE	0 107%	0 105%	0.101%	0 099%	0 100%	0 092%	0 085%	0 088%	0 088%	0 088%	0 088%	0 088%	
10.	INTEREST PROVISION (LINE C-4 X C-9)	(49)	90	174	177	173	163	157	167	165	142	123	64	1,546

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#### SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION & RETURN

FOR MONTHS January-03 THROUGH December-03

	PROGRAM NAME:	BEGINNING OF PERIOD	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1	INVESTMENT														
2	DEPRECIATION BASE														
3	DEPRECIATION EXPENSE														
	•														
4.	CUMULATIVE INVESTMENT														
5.	LESS ACCUMULATED DEPRECIATION														
6.	NET INVESTMENT														
7.	AVERAGE INVESTMENT														
8.	RETURN ON AVERAGE INVESTMENT														
9	RETURN REQUIREMENTS														
10	TOTAL DEPRECIATION AND RETURN														NONE

RECONCILIATION AND EXPLANATION OF DIFFERENCES BETWEEN FILING AND PSC AUDIT

FOR MONTHS January-03 THROUGH December-03

SCHEDULE CT-5 PAGE 1 OF 1

AUDIT EXCEPTION:

TO OUR KNOWLEDGE, NONE EXIST

COMPANY RESPONSE:

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#### SCHEDULE C-5 PAGE 1 OF 9

- 1. Full House Residential New Construction Program
- 2. Residential Appliance Replacement Program
- 3. Residential Appliance Retention Program
- 4. Residential Service Reactivation Program
- 5. Residential Conservation Service Program
- 6. Commercial Conservation Service Program
- 7. Conservation Education Program
- 8. Space Conditioning Program

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SCHEDULE C-5 PAGE 2 OF 9

#### PROGRAM TITLE:

Full House Residential New Construction Program

#### PROGRAM DESCRIPTION:

This program is designed to increase the overall energy efficiency in the residential single- and multi-family new construction market by promoting energy-efficient natural gas appliances. The program offers builders and developers incentives in the form of cash allowances to defray the additional costs associated with the installation of natural gas supply lines, house piping, venting and natural gas appliances.

#### PROGRAM ALLOWANCES:

Furnace or Hydro heater	\$300
Water Heater	\$300
Range	\$ 85
Dryer	\$ 85

#### PROGRAM PROJECTIONS:

For the twelve-month period of January to December 2003, FPUC estimated that 1,100 singleand multi-family homes would be connected to its natural gas system. The company connected 819 homes in 2003.

#### PROGRAM FISCAL EXPENDITURES:

During the twelve-month period of January to December 2003, FPUC had expenses of \$743,530.

#### PROGRAM PROGRESS SUMMARY:

FPSC approval of this program occurred on August 29, 2000. From the inception of this program on September 1, 2000 through December 31, 2003, FPUC has connected 2,981 single-and multi-family homes to its natural gas system with an estimated annual usage of 703,918 therms.

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#### SCHEDULE C-5 PAGE 3 OF 9

#### PROGRAM TITLE:

Residential Appliance Replacement Program

#### PROGRAM DESCRIPTION:

This program is designed to encourage the replacement of inefficient non-natural gas residential appliances with energy-efficient natural gas appliances. The program offers incentives in the form of cash allowances to residential consumers to assist in defraying the additional costs associated with the installation of efficient natural gas appliances.

#### PROGRAM ALLOWANCES:

Furnace or Hydro heater	\$330
Water Heater	\$330
Range	<b>\$</b> 50
Dryer	\$ 50

#### PROGRAM PROJECTIONS:

For the twelve-month period of January to December 2003, FPUC estimated that 200 natural gas appliances would be connected (limited to furnaces or hydro heaters, water heaters, ranges and dryers) to its natural gas system. The company connected 180 new appliances under this program in 2003.

#### PROGRAM EXPENDITURES:

During the twelve-month period of January to December 2003, FPUC had expenses of \$62,344.

#### PROGRAM PROGRESS SUMMARY:

FPSC approval of this program occurred on August 29, 2000. This program was implemented on September 1, 2000. From the inception of the program through December 31, 2003, FPUC has connected 565 appliances (only furnaces and hydro heaters, water heaters, ranges and dryers) to its natural gas system. These appliances have resulted in an estimated cumulative annual usage of 49,757 therms.

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#### SCHEDULE C-5 PAGE 4 OF 9

#### PROGRAM TITLE:

Residential Appliance Retention Program

#### PROGRAM DESCRIPTION:

This program is designed to promote the retention of energy-efficient appliances for current natural gas customers. The program offers allowances to customers to assist in defraying the cost of purchasing and installing more expensive energy-efficient appliances.

#### PROGRAM ALLOWANCES:

Water Heater

\$350

#### PROGRAM PROJECTIONS:

For the twelve-month period of January to December 2003, FPUC estimated that 960 water heaters would be connected to its system. FPUC replaced 903 water heaters with more efficient gas units.

#### PROGRAM FISCAL EXPENDITURES:

During the twelve-month period of January to December 2003, FPUC had expenses of \$378,031.

#### PROGRAM PROGRESS SUMMARY:

FPSC approval of this program occurred on August 29, 2000. This program was implemented on September 1, 2000. From the inception of this program through December 31, 2003, FPUC has retained 2,448 natural gas water heaters connected to its distribution system.

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#### PROGRAM TITLE:

Residential Service Reactivation Program

#### PROGRAM DESCRIPTION:

This program is designed to encourage the reactivation of existing residential service lines that are scheduled to be cut-off and capped. The program offers incentives in the form of cash allowances to residential consumers to assist in defraying the additional costs associated with the purchase and the installation of energy-efficient natural gas appliances.

#### PROGRAM ALLOWANCES:

Service Reactivation (the installation of a water heater is required) \$350

#### PROGRAM PROJECTIONS:

For the twelve-month period of January to December 2003, FPUC estimated that 36 services would be reactivated with water heaters on its natural gas system. There were no participants in this program during 2003.

#### PROGRAM FISCAL EXPENDITURES:

During the twelve-month period of January to December 2003, FPUC had expenses of \$900.

#### PROGRAM PROGRESS SUMMARY:

FPSC approval of this program occurred on August 29, 2000. This program was implemented on September 1, 2000. From the inception of this program through December 31, 2003, FPUC has not reactivated any services with water heaters as a result of this program.

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#### PROGRAM TITLE:

Residential Conservation Service Program

#### PROGRAM DESCRIPTION:

This program is designed to assist residential customers in conserving all forms of energy consumption. Certified company representatives or private contractors will conduct energy surveys. This service will be provided based on customer requests and scheduling availability.

#### PROGRAM ALLOWANCES:

Not applicable.

#### PROGRAM PROJECTIONS:

For the twelve-month period of January to December 2003, FPUC estimated that 20 residential customers would participate in this program. There were no participants for this program during 2003.

#### PROGRAM FISCAL EXPENDITURES:

During the twelve-month period of January to December 2003, FPUC had expenses of \$17,879.

#### PROGRAM PROGRESS SUMMARY:

FPSC approval of this program occurred on August 29, 2000. This program was implemented on September 1, 2000. Since the inception of this program through December 31, 2003, only 18 residential customers have participated. Changes in FPUC's Marketing Department staff and the training of personnel have also affected the active marketing of this program to its customers.

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#### PROGRAM TITLE:

Commercial Conservation Service Program

#### PROGRAM DESCRIPTION:

This program is designed to assist commercial customers in conserving all forms of energy consumption. Certified company representatives or private contractors will conduct energy surveys. This service will be provided based on customer requests and scheduling availability.

#### PROGRAM ALLOWANCES:

Not applicable.

#### PROGRAM PROJECTIONS:

For the twelve-month period of January to December 2003, FPUC estimated that 50 commercial customers would participate in this program. FPUC surveyed 35 commercial customers during 2003.

#### PROGRAM FISCAL EXPENDITURES:

During the twelve-month period of January to December 2003, FPUC had expenses of \$27,996.

#### PROGRAM PROGRESS SUMMARY:

FPSC approval of this program occurred on August 29, 2000. This program was implemented on September 1, 2000. From the inception of this program through December 31, 2003, 135 commercial customers have participated.

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SCHEDULE C-5 PAGE 8 OF 9

#### PROGRAM TITLE:

Conservation Education Program

#### PROGRAM DESCRIPTION:

The purpose of this program is to teach adult and young people about conservation measures designed to reduce energy consumption and consequently reduce their utility bills.

#### PROGRAM ALLOWANCES:

Not applicable.

#### PROGRAM PROJECTONS:

For the twelve-month period of January to December 2003, FPUC estimated that 25 adult and youth presentations with 750 participants would result from this program. During 2003, there were 12 adult and youth presentations with 350 participants.

#### PROGRAM FISCAL EXPENDITURES:

During this twelve-month period of January to December 2003, FPUC had expenses of \$127,085.

#### PROGRAM PROGRESS SUMMARY:

FPSC approval of this program occurred on August 29, 2000. This program was implemented on September 1, 2000. From the inception of this program through December 31, 2003, FPUC has given 67 adult and youth presentations.

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SCHEDULE C-5 PAGE 9 OF 9

#### PROGRAM TITLE:

Space Conditioning Program

#### PROGRAM DESCRIPTION:

This program is designed to convert on-main customers from electric space conditioning equipment to energy-efficient natural gas space conditioning equipment. The program provides an allowance to qualifying participants to compensate for higher initial costs of natural gas space conditioning equipment and the associated installation costs. This program also reduces summer as well as winter peak demand and contributes to the conservation of kwh/kwd consumption.

#### PROGRAM ALLOWANCES:

Residential

\$1200 (For Robur model or equivalent unit)

Non-Residential

\$ 50 per ton

#### PROGRAM PROJECTIONS:

For the twelve-month period of January to December 2003, FPUC estimated that 5 customer projects would utilize this program. In 2003, this program was utilized by 2 customer projects.

#### PROGRAM FISCAL EXPENDITURES:

During the twelve-month period of January to December 2003, FPUC had expenses of \$36,942.

#### PROGRAM PROGRESS SUMMARY:

FPSC approval of this program occurred on August 29, 2000. This program was implemented on September 1, 2000. From the inception of this program through December 31, 2003, FPUC has connected 10 space conditioning projects to its natural gas system.

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