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October 18, 1995

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

ORIGINAL
FILE COPY

**Re: FPL Program Participation Standards
Docket No. 941170-EG**

Dear Ms. Bayó:

Enclosed for filing on behalf of Florida Power & Light Company ("FPL") are the original and fifteen (15) copies of the Program Participation Standards for FPL's DSM programs approved as part of FPL's DSM Plan. These standards are being filed pursuant to the Commission's directive in Order No. PSC-95-0691-FOF-EG. That order became final as to FPL only last week when the Commission disposed of all pending requests for hearing and approved related stipulations. The standards being filed reflect the agreed-to language in the stipulations. As FPL understands Order No. PSC-95-0691-FOF-EG and the Commission's action at last week's Agenda Conference, these standards are subject to administrative approval by the Staff if they conform to the description of the programs contained in FPL's DSM Plan.

Standards for the following programs are enclosed:

Commercial/Industrial Heating, Ventilation & Air Conditioning
Commercial/Industrial Lighting
Commercial/Industrial Building Envelope
Business Custom Incentive
Business Energy Evaluation
Commercial/Industrial Off-Peak Battery Charging
Commercial/Industrial Load Control
Commercial/Industrial Efficient Motors
Business "On Call" Program
"On Call" Program
Residential & Room Air Conditioning
Duct System Testing and Repair
Residential Building Envelope
Residential Heat Recovery Water Heating
Residential Conservation Service

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Blanca Bayó, Director
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Florida Public Service Commission
October 18, 1995 - Page Two

Also enclosed is another copy of this transmittal letter. Please stamp it as filed so that we may have a copy for our files.

If you or your staff have any questions regarding this filing, please contact me at 222-2300.

Respectfully,



Charles A. Guyton

Encs.
TAL/13230
cc: All Parties of Record

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that true and correct copies of Florida Power & Light Company's Program Participation Standards were served by Hand Delivery this 18th day of October, 1995 to:

Martha Carter Brown, Esq.*
Division of Legal Services
Florida Public Service Commission
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Tallahassee, Florida 32301

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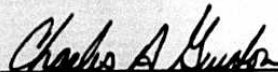
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Charles A. Guyton



Commercial/Industrial Heating Ventilation & Air Conditioning

Program Standards

Submitted: October 18, 1995

Effective: March 1, 1996

**Florida Power & Light Company
Commercial/Industrial Heating Ventilating & Air Conditioning
Program Standards**

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Trade Ally Eligibility

Contractors installing HVAC systems less the 65,000 BTU/hour and/or performing duct sealing must become a Participating Contractor by entering into a Demand Side Management Program Contract with FPL.

All contractors installing equipment as part of the HVAC Program must be a licensed mechanical contractor or an air-conditioning contractor in a good standing in the State of Florida. The contractor must comply with all government statutes, codes, ordinances and accepted engineering practices.

Governmental customers may be permitted to participate in FPL's HVAC Program without the use of a participating contractor, subject to FPL approval and fulfillment of the program requirements.

Equipment Eligibility

All installations must be in compliance with all local, state and national codes pertaining to the installation and operation of HVAC equipment.

American Refrigeration Institute (ARI) certification is required for all ARI classes and sizes of HVAC equipment for program participation. Manufacturer verified specifications shall be provided for any class/size of HVAC equipment not ARI certified.

All air conditioning equipment will exceed the latest Florida Energy Efficiency Code for Building Construction shown in Appendix A.

Ventilation equipment will include the replacement or new installations of exhaust hoods, which must use separate make up air. Duct sealing will be for existing DX HVAC and heat pumps.

Replacement or new air conditioning equipment must be electric and include chillers, chillers with ASDs, thermal energy storage, cold air distribution, split/package DX units or heat pumps, room A/C, packaged terminal air conditioners (PTACs) or packaged terminal heat pumps (PTHPs).

The new air conditioning equipment should have enough capacity to provide the cooling requirements of the structure at American Society of Heating Refrigeration and

Air Conditioning Engineers (ASHRAE) 1% summer design conditions or designed industrial process load.

All equipment installed must be new and cannot be refurbished or have been previously installed or used.

The complete system, including any supplemental devices shall be listed by Underwriters Laboratories (UL) or another nationally recognized testing organization.

For DX HVAC systems and heat pumps, the entire unit must be replaced at the same time.

Thermal energy storage (TES) shall be designed to shift all or part of the design air conditioning load or industrial cooling load from FPL's summer on-peak time to the off-peak time.

All TES designs are subject to pre-approval by FPL to qualify for this program.

Exhaust hoods with separate make up air will receive an incentive based on the cubic feet per minute (cfm) of the hood.

Sealing ductwork which enters the building from a roof top packaged unit will receive an incentive based on the tonnage of the unit.

Repair Material Specifications (Duct Sealing)

The following requirements pertain to all materials and procedures for duct repair locations:

- **Must be able to resist the pressures which exist in the system. They must be able to resist system pressures even before they have fully cured. Therefore, mastic materials must hold system pressure when first applied.**
- **Must be impermeable to air flow**
- **Should have a flame spread rating not greater than 25 without evidence of continued progressive combustion. (See National Fire Protection Association (NFPA) 90B, Warm Air Heating and Air Conditioning Systems.)**
- **Should have a smoke development rating not greater than 50 when in the final, dry state. (See National Fire Protection Association (NFPA) 90B, Warm Air Heating and Air Conditioning Systems.)**
- **Should not flame, glow, smolder, or smoke, in accordance with American**

Standard Testing Material (ASTM) C411, Test Method for Hot-Surface Performance of High Temperature Thermal Insulation, at the temperature to which it is exposed in service. In no case should the test temperature be below 250 Degrees F.

The majority of repairs must be made with mastic and fiberglass mesh. The following requirements pertain to mastic materials and procedures:

- **Must contain a minimum of 50% solid content in order to help prevent shrinkage when curing.**
- **Must be adhesive: must adhere well to surfaces applied (as well as itself, cohesive).**
- **Must be tolerant of temperature conditions which may exist where the duct is located either hot or cold conditions.**
- **Mastic alone can be used to seal leak sites less than 1/4" wide.**
- **Fiberglass mesh must be used with mastic and on all cracks greater than 1/4" and less than 1/2".**
- **For larger openings (greater than 1/2") , some type of backing or filler is required. Fiberglass mesh may be "bunched" or "tucked" into relatively small penetrations.**
- **Where mechanical strength is required to hold the joint together, mastic should be used with fiberglass mesh.**
- **For mastic and fiberglass mesh applications, first prepare surfaces according to manufacturer's specifications. Apply a layer of mastic using a brush, hand, or another appropriate applicator. Embed fiberglass mesh in mastic and cover with additional layer of mastic. Additional layers of fiberglass mesh may be necessary for strength.**

Note: All leaks sites must be air tight before repairs are completed. It is necessary to turn air-handler on and test all leaks to verify completion.

Participation Requirements

Technical Assistance

Technical assistance shall be provided by FPL on a limited basis. The technical

assistance may consist of any or all of the following activities:

- Preliminary benefit to cost studies.
- Review and approval of FPL funded feasibility studies.
- Review and approval of pre-construction plans and equipment specifications.
- Inspection and approval of final equipment installation and operation prior to incentive payment.
- FPL inspections may also be required during specific construction phases for thermal energy storage tiered incentives.

Equipment Performance Verification

FPL will verify through post installation inspections the actual equipment installed/modified and its operation under this Program. For HVAC systems less than 65,000 BTU/hour, ventilation exhaust hoods, and duct sealing, a minimum of 10 percent of all installations will be inspected. For all other equipment installations, FPL intends to inspect 100 percent of the installations.

If the Customer's post-installation inspection fails:

- a) FPL shall notify the customer and provide the reason for the failure in writing within ten (10) working days of the inspection.
- b) The customer shall have 90 days after the date of the failure notice to remedy the problem and pass the inspection. Otherwise, the Agreement is terminated with no liability to either party and the incentive is not paid.

Incentive Processing

Upon meeting all of the Customer Eligibility requirements and satisfying the system Equipment Requirements, the Customer or the Customer's Designee shall be eligible to be paid an incentive for TES, TES with cold air distribution, chillers, or chillers with ASDs. For DX systems less than 65,000 Btuh, ventilation exhaust hoods, and duct sealings, the incentive will be paid to the contractor.

All incentives for HVAC equipment will be paid at completion of the installation, except for thermal energy storage.

Thermal energy storage payments may be made at completion of equipment installation or based on the following schedule:

- 25% payment at 25% completed construction (FPL verification required)
- 25% payment at 50% completed construction (FPL verification required)
- 50% payment at 100% completed construction (FPL verification required)

Other inducements (i.e design fees, feasibility studies, system commissioning) may be paid to the engineer or customer. A \$2,500 payment will be made for a Thermal Energy Storage Feasibility Study performed by a Florida Registered Professional Engineer. Also \$30/ton can be paid for system commissioning or design.

All thermal energy storage projects must be preapproved by an FPL Representative.

Incentive Payment Requirements

The incentive payment shall not be made by FPL until:

There is a completed Participation Agreement by FPL and the Customer for chillers, chillers with ASDs, thermal energy storage, thermal energy storage with Cold air distribution. For split/package DX or heat pumps, room A/C, PTAC's, PTHP's, or ventilation measures a completed incentive form is required.

A copy of the equipment or contractors invoice.

A copy of the manufacturers "cut sheet" must be submitted for all chillers. The chiller efficiencies must be rated at nominal ARI conditions and certified by ARI when available.

Proof of ARI certification is required prior to processing the incentive form for split/package DX, heat pump, room A/C, PTAC's or PTHP's. FPL will verify and, if necessary, adjust the amount of the incentive payment.

The customer must agree that they will continue to receive electric service from FPL for a period of no less than five (5) years from the date of the signed Participation Agreement or incentive form. If this obligation is not fulfilled, FPL can request a refund of the incentive.

The equipment must pass the FPL post-installation inspection, as defined in the "Equipment Performance Verification" section.

Incentive payments shall not exceed the following amounts for each respective technology:

- a) Air conditioning equipment - \$77/kW reduced (not including thermal

energy storage)

- b) Thermal energy storage - \$300/kW shift (based on 1 kW/ton avg. efficiency)
- c) Cold air distribution - \$20/kW reduced
- d) Ventilation equipment - \$112/kW reduced
- e) Other inducements of \$30/kW include:
 - design fees, feasibility studies for TES
 - commissioning fees for TES and Chillers

Appendix A provides the details for each of the technologies with specific \$/ton or \$/kW incentives.

Customer Repayment of Incentive

A Customer receiving an incentive shall repay the incentive plus interest to FPL if:

- For any reason the Customer removes the equipment or ceases operation and maintenance of the equipment. However, if the Customer is the owner of or is operating the facility on behalf of an owner, cessation of the operation of the equipment due to the owner going out of business shall not give rise to an obligation to repay the incentive plus interest. FPL shall calculate the interest rate in accordance with the methodology approved by the FPSC used to calculate the interest rate for the Energy Conservation Cost Recovery (ECCR) Clause as it relates to under and over recovery.

FPL shall provide written notice to the Customer of the repayment amount plus interest.

Any repayment as described in the "Customer Repayment of Incentive" section made by the Customer shall be credited to the ECCR Clause.

Reporting Requirements

All program charges such as Payroll & Benefits, Material and Supplies, Outside Services, Advertising, Vehicles, Other, and Incentives Costs shall be reported in the Energy Conservation Cost Recovery True-Up and Projection filings, specifically through Schedules CT-2 and C-2 respectively.

Appendix

A. Incentive Tables

FPL DX Incentives

Based on Florida Energy Efficiency Code for Building Construction
 <65,000BTUH (5.4 Tons)

265,000 BTUH (3.4 Tons)													
FPL Incentive	Air Cooled Central Split DX		Air Cooled Central Pack DX		Unitary & Evaporative Cooled Central Std DX		Water Cooled Central DX 85F		Water Cooled Heat Pump DX 85 F		Water Cooled Heat Pump DX 70F		
\$/TON	KW/TON	SEER	KW/TON	SEER	KW/TON	EER	KW/TON	EER	KW/TON	EER	KW/TON	EER	
\$63	0.861	15.8	0.861	15.8	0.851	14.1	0.763	15.7	0.763	15.7	0.763	15.7	
\$62	0.863	15.6	0.863	15.6	0.863	13.9	0.775	15.5	0.775	15.5	0.775	15.5	
\$61	0.876	15.4	0.788	15.4	0.876	13.7	0.788	15.2	0.788	15.2	0.788	15.2	
\$60	0.888	15.2	0.791	15.2	0.888	13.5	0.801	15.0	0.801	15.0	0.801	15.0	
\$49	0.902	14.9	0.803	14.9	0.902	13.3	0.814	14.7	0.814	14.7	0.814	14.7	
\$48	0.916	14.7	0.815	14.7	0.916	13.1	0.828	14.5	0.828	14.5	0.828	14.5	
\$47	0.930	14.5	0.828	14.5	0.930	12.9	0.842	14.2	0.842	14.2	0.842	14.2	
\$46	0.945	14.3	0.841	14.3	0.945	12.7	0.857	14.0	0.857	14.0	0.857	14.0	
\$45	0.960	14.0	0.854	14.0	0.960	12.5	0.872	13.8	0.872	13.8	0.872	13.8	
\$44	0.976	13.8	0.868	13.8	0.976	12.3	0.888	13.5	0.888	13.5	0.888	13.5	
\$43	0.992	13.6	0.883	13.6	0.992	12.1	0.904	13.3	0.904	13.3	0.904	13.3	
\$42	1.008	13.4	0.897	13.4	1.008	11.9	0.921	13.0	0.921	13.0	0.921	13.0	
\$40	1.026	13.1	0.913	13.1	1.026	11.7	0.938	12.8	0.938	12.8	0.938	12.8	
\$39	1.043	12.9	0.929	12.9	1.043	11.5	0.956	12.6	0.956	12.6	0.956	12.6	
\$37	1.062	12.7	0.946	12.7	1.062	11.3	0.974	12.3	0.974	12.3	0.974	12.3	
\$36	1.081	12.5	0.962	12.5	1.081	11.1	0.993	12.1	0.993	12.1	0.993	12.1	
\$35	1.101	12.2	0.980	12.2	1.101	10.9	1.013	11.8	1.013	11.8	1.013	11.8	
\$33	1.121	12.0	0.998	12.0	1.121	10.7	1.034	11.6	1.034	11.6	1.034	11.6	
\$31	1.143	11.8	1.017	11.8	1.143	10.5	1.055	11.4	1.055	11.4	1.055	11.4	
\$30	1.165	11.6	1.037	11.6	1.165	10.3	1.077	11.1	1.077	11.1	1.077	11.1	
\$28	1.188	11.3	1.057	11.3	1.176	10.2	1.100	10.9	1.100	10.9	1.100	10.9	
\$26	1.212	11.1	1.079	11.1			1.124	10.7	1.124	10.7	1.124	10.7	
\$24	1.237	11.0	1.101	10.9			1.149	10.4	1.149	10.4	1.149	10.4	
\$22			1.124	10.7			1.175	10.2	1.175	10.2			
\$20													
\$18													
\$16													
\$14													
\$11													
Code	1.200	10.0	1.237	9.7	1.200	9.3	1.200	9.3	1.200	9.3	1.091	11.0	

FPL Chiller Incentives

Based on Florida Energy Efficiency Code for Building Construction

FPL Incentive	Water Cooled Chiller >= 300 Tons		Water Cooled Chiller < 300 Tons		Air Cooled All Chillers	
	\$/Ton	kW/Ton EER	kW/Ton	EER	kW/Ton	EER
\$32	0.500	24.0	0.500	24.0	0.500	20.4
\$31	0.512	23.4	0.512	23.4	0.600	20.0
\$30	0.525	22.9	0.525	22.9	0.613	19.6
\$29	0.538	22.3	0.538	22.3	0.626	19.2
\$28	0.551	21.8	0.551	21.8	0.639	18.8
\$27	0.565	21.2	0.565	21.2	0.653	18.4
\$26	0.579	20.7	0.579	20.7	0.667	18.0
\$25	0.594	20.2	0.594	20.2	0.682	17.6
\$24	0.609	19.7	0.609	19.7	0.697	17.2
\$23	0.624	19.2	0.624	19.2	0.712	16.8
\$21	0.641	18.7	0.641	18.7	0.728	16.5
\$20	0.657	18.3	0.657	18.3	0.745	16.1
\$19	0.674	17.8	0.674	17.8	0.762	15.7
\$17	0.692	17.6	0.692	17.3	0.789	15.4
\$16			0.711	16.9	0.799	15.0
\$15			0.730	16.4	0.818	14.7
\$13			0.759	16.0	0.838	14.3
\$12			0.784	15.7	0.858	14.0
\$10					0.880	13.6
\$08					0.902	13.3
\$06					0.925	13.0
\$04					0.949	12.6
\$02					0.974	12.3
\$00					1.000	12.0
\$28					1.027	11.7
\$26					1.055	11.4
\$24					1.085	11.1
\$22					1.116	10.8
\$19					1.148	10.4
\$17					1.182	10.1
\$14					1.218	9.9
\$11					1.256	9.6
Code	0.748	16.0	0.837	14.3	1.406	8.5

FPL DX Incentives

Based on Florida Energy Efficiency Code for Building Construction

HVAC INCENTIVES > \$5,000 & < \$135,000 BTUH (5.4 - 11.25 TONS)

FPL Incentive	Air Cooled Central DX		Unitary & Evaporative Cooled Central DX		Water Cooled Central DX 85F		Water Cooled Heat Pump DX 85F		Water Cooled Heat Pump DX 70F	
	\$/TON	KW/TON EER	KW/TON	EER	KW/TON	EER	KW/TON	EER	KW/TON	EER
\$37	0.861	14.1	0.851	14.1	0.763	15.7	0.763	15.7	0.763	15.7
\$36	0.863	13.9	0.863	13.9	0.775	15.5	0.775	15.5	0.775	15.5
\$35	0.876	13.7	0.876	13.7	0.788	15.2	0.788	15.2	0.788	15.2
\$34	0.889	13.5	0.889	13.5	0.801	15.0	0.801	15.0	0.801	15.0
\$33	0.902	13.3	0.902	13.3	0.814	14.7	0.814	14.7	0.814	14.7
\$32	0.916	13.1	0.916	13.1	0.828	14.5	0.828	14.5	0.828	14.5
\$31	0.930	12.9	0.930	12.9	0.842	14.2	0.842	14.2	0.842	14.2
\$30	0.945	12.7	0.945	12.7	0.857	14.0	0.857	14.0	0.857	14.0
\$29	0.960	12.5	0.960	12.5	0.872	13.8	0.872	13.8	0.872	13.8
\$28	0.976	12.3	0.976	12.3	0.888	13.5	0.888	13.5	0.888	13.5
\$27	0.992	12.1	0.992	12.1	0.904	13.3	0.904	13.3	0.904	13.3
\$25	1.008	11.9	1.008	11.9	0.921	13.0	0.921	13.0	0.921	13.0
\$24	1.026	11.7	1.026	11.7	0.938	12.8	0.938	12.8	0.938	12.8
\$23	1.043	11.5	1.043	11.5	0.956	12.6	0.956	12.6	0.956	12.6
\$21	1.062	11.3			0.974	12.3	0.974	12.3	0.974	12.3
\$20	1.081	11.1			0.993	12.1	0.993	12.1	0.993	12.1
\$19	1.101	10.9			1.013	11.8	1.013	11.8		
\$17	1.121	10.7			1.034	11.6	1.034	11.6		
\$15	1.143	10.5								
\$14	1.165	10.3								
\$12	1.188	10.1								
\$10	1.224	9.8								
Code	1.143	10.5	1.143	10.5	1.143	10.5	1.143	10.5	1.001	11.0

FPL DX Incentives

Based on Florida Energy Efficiency Code for Building Construction
≥ 135 MBH

FPL Incentive	Air Cooled DX A/C <700 MBH		Air Cooled DX A/C & Heat Pump ≥700MBH		Water/Evap DX A/C		Air Cooled DX Heat Pump ≥ 700 MBH	
	S/TON	KW/TON EER	KW/TON	EER	KW/TON	EER	KW/TON	EER
\$81	0.651	18.4	0.651	18.4	0.651	18.4	0.651	18.4
\$80	0.663	18.1	0.663	18.1	0.663	18.1	0.663	18.1
\$80	0.676	17.8	0.676	17.8	0.676	17.8	0.676	17.8
\$80	0.689	17.4	0.689	17.4	0.689	17.4	0.689	17.4
\$87	0.702	17.1	0.702	17.1	0.702	17.1	0.702	17.1
\$86	0.716	16.8	0.716	16.8	0.716	16.8	0.716	16.8
\$85	0.730	16.4	0.730	16.4	0.730	16.4	0.730	16.4
\$84	0.745	16.1	0.745	16.1	0.745	16.1	0.745	16.1
\$83	0.760	15.8	0.760	15.8	0.760	15.8	0.760	15.8
\$82	0.776	15.5	0.776	15.5	0.776	15.5	0.776	15.5
\$80	0.792	15.2	0.792	15.2	0.792	15.2	0.792	15.2
\$40	0.808	14.8	0.808	14.8	0.808	14.8	0.808	14.8
\$40	0.826	14.5	0.826	14.5	0.826	14.5	0.826	14.5
\$46	0.843	14.2	0.843	14.2	0.843	14.2	0.843	14.2
\$45	0.862	13.9	0.862	13.9	0.862	13.9	0.862	13.9
\$44	0.881	13.6	0.881	13.6	0.881	13.6	0.881	13.6
\$42	0.901	13.3	0.901	13.3	0.901	13.3	0.901	13.3
\$41	0.921	13.0	0.921	13.0	0.921	13.0	0.921	13.0
\$39	0.943	12.7	0.943	12.7	0.943	12.7	0.943	12.7
\$37	0.966	12.4	0.966	12.4	0.966	12.4	0.966	12.4
\$36	0.988	12.1	0.988	12.1	0.988	12.1	0.988	12.1
\$34	1.012	11.9	1.012	11.9	1.012	11.9	1.012	11.9
\$32	1.037	11.6	1.037	11.6	1.037	11.6	1.037	11.6
\$30	1.063	11.3	1.063	11.3	1.063	11.3	1.063	11.3
\$28	1.090	11.0	1.090	11.0	1.090	11.0	1.090	11.0
\$26	1.119	10.7	1.119	10.7	1.119	10.7	1.119	10.7
\$24	1.148	10.5	1.148	10.5	1.148	10.5	1.148	10.5
\$21	1.179	10.2	1.179	10.2			1.179	10.2
\$19	1.212	9.9	1.212	9.9			1.212	9.9
\$16	1.246	9.6	1.246	9.6			1.246	9.6
\$14	1.281	9.4	1.281	9.4			1.281	9.4
\$11			1.319	9.1			1.319	9.1
Code	1.412	8.5	1.463	8.2	1.250	9.6	1.463	8.2

FPL PTAC & PTHP Incentives

Based on Florida Energy Efficiency Code for Building Construction

FPL Incentive	PTAC DX ≤ 9000 BTUH		PTAC DX 9001-12000 BTUH		PTAC DX ≥ 12001 BTUH	
	\$/TON	KW/TON EER	KW/TON	EER	KW/TON	EER
\$53	0.851	14.1	0.851	14.1	0.851	14.1
\$52	0.863	13.9	0.863	13.9	0.863	13.9
\$51	0.876	13.7	0.876	13.7	0.876	13.7
\$50	0.889	13.5	0.889	13.5	0.889	13.5
\$49	0.902	13.3	0.902	13.3	0.902	13.3
\$48	0.916	13.1	0.916	13.1	0.916	13.1
\$47	0.930	12.9	0.930	12.9	0.930	12.9
\$46	0.945	12.7	0.945	12.7	0.945	12.7
\$45	0.960	12.5	0.960	12.5	0.960	12.5
\$44	0.976	12.3	0.976	12.3	0.976	12.3
\$43	0.992	12.1	0.992	12.1	0.992	12.1
\$41	1.008	11.9	1.008	11.9	1.008	11.9
\$40	1.025	11.7	1.025	11.7	1.025	11.7
\$39	1.043	11.5	1.043	11.5	1.043	11.5
\$37	1.062	11.3	1.062	11.3	1.062	11.3
\$36	1.081	11.1	1.081	11.1	1.081	11.1
\$34	1.101	10.9	1.101	10.9	1.101	10.9
\$33	1.121	10.7	1.121	10.7	1.121	10.7
\$31	1.143	10.5	1.143	10.5	1.143	10.5
\$30	1.166	10.3	1.166	10.3	1.166	10.3
\$29	1.189	10.1	1.189	10.1	1.189	10.1
\$26	1.212	9.9	1.212	9.9	1.212	9.9
\$24	1.237	9.7	1.237	9.7	1.237	9.7
\$22			1.263	9.5	1.263	9.5
\$20			1.290	9.3	1.290	9.3
\$18					1.319	9.1
\$16					1.348	8.9
\$13					1.364	8.8
\$11						
Code	1.348	8.9	1.412	8.5	1.500	8.0

Duct Sealing		
	Incentive Dollars per Ton	KW Reduction per ton
Duct Sealed	\$5	0.036

Thermal Energy Storage		
	Incentive Dollars per kW	KW Reduction per ton
TES*	\$300	1
CAD	\$20	

- * \$2,500 for Feasibility Study
- * \$30/ ton design incentive
- * incentive capped at \$300/ton

Exhaust Hoods		
	Incentive Dollars per cfm	KW Reduction per cfm
Exhaust Hoods	\$0.28	0.004



Commercial/Industrial Lighting

Program Standards

Submitted: October 18, 1995

Effective: March 1, 1996

**Florida Power & Light Company
Commercial/Industrial Lighting
Program Standards**

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Florida Power & Light Company Commercial/Industrial Lighting Program Standards

Program Objective

The objective of the Commercial/Industrial Lighting Program (CIL) is to reduce the current and future growth of coincident peak demand and energy consumption by increasing the use of high efficiency lighting systems.

Customer Eligibility

The Commercial / Industrial Lighting program is available to commercial and industrial customers installing FPL approved products in their facilities and whose facilities have received a certificate of occupancy.

This program applies to retrofit lighting applications only.

Eligible facilities must be served by FPL and located within FPL's service territory.

Eligible installations must be for interior lighting applications, including parking garages or similar applications.

Lighting applications must operate at some time during the hours of 3 to 6 PM during the summer. Summer months are defined as ranging from April 1 through October 31.

Lighting applications automatically controlled by the amount of daylighting available are not eligible for participation in the CIL program.

Common use facilities of condominium, cooperative and homeowner associations are eligible provided the account has not participated in any FPL residential incentive programs.

Trade Ally Eligibility

A lighting participating independent trade ally is defined as a lighting contractor, distributor, manufacturer, or other lighting professional who signs a Demand Side Management Program Contract with FPL. This agreement allows the Trade Ally to be listed in the list of participating independent trade allies which will be given to FPL commercial and industrial customers requesting program trade ally information. In

addition, participating independent trade allies will be allowed to install equipment in accordance with the CIL program standards, and fill out CIL incentive certificates for customers.

Trade allies must sign a DSM program contract prior to participating in the CIL program.

Trade allies must attend a program orientation meeting prior to participating in the CIL program.

Equipment Eligibility

All products must be approved by FPL for inclusion in the CIL program prior to being eligible for incentives. FPL's approval of products will be premised upon satisfaction of the technical specifications listed below. Test data supporting all product specific technical specifications must be submitted to FPL for review. Only test data from an FPL approved independent lighting test lab will be accepted.

Qualifying products must be Underwriters Laboratories (U.L.) listed or listed by another nationally recognized testing organization in accordance to U.L. standards. This rating must be for the final product not individual components. (U.L. pending is not acceptable).

Technologies must be FCC Class-A or Class-B rated if applicable.

Technologies must result in a fixed lighting kW reduction. Variable or adjustable reduction products do not qualify.

All measures must exceed minimum efficiency requirements set forth by local, state, and federal government standards.

All technologies must meet the following power quality (power factor "P.F.", and total harmonic distortion "THD") requirements:

Product Description	P.F.	THD
Compact Fluorescent Lamps (Magnetic Ballast)	45%	40%
Compact Fluorescent Lamps (Electronic Ballast)	45%	40%
Other Fluorescent Ballasts	90%	20%
Other Lighting Products	85%	33%(*)

(*) Measurement for whole lighting fixture (lamps, luminaire, ballast, and add-on product).

Participating Independent Trade Ally Installations:

Participating independent trade ally obtains commitment from customer to install proposed qualifying lighting technologies.

Participating independent trade ally fills out CIL Incentive Certificate with proposed qualifying lighting technology retrofits and obtains customer's signature for approval for installation.

Completed CIL Incentive Certificate and list of proposed products are submitted to local FPL office for pre-approval.

FPL performs pre-installation inspection (at FPL's discretion), assigns job number, and signs pre-approval for installation.

Participating independent trade ally installs proposed qualifying lighting technology, and submits completed CIL Incentive Certificate and copy of customer's lighting retrofit invoice back to FPL for processing.

Participating independent trade allies shall turn in all incentives for customers that are participating in the program.

The copy of the customers lighting retrofit invoice must indicate the deduction of the incentive amount from the total cost of the job and the net amount due by the customer.

Participating independent trade allies agree to a time limit of 60 days between the date of installation and the date that CIL Incentive Certificates are received for redemption at the local FPL office.

FPL performs post-installation inspection (at FPL's discretion) and processes CIL Incentive for payment.

Participating independent trade allies agree to a time limit of 30 days for a contractor to resolve any inadequacies as identified by FPL.

Incentive amounts will be determined based on the conditions set forth in the "Incentive Processing" section.

Incentive payments are sent to the participating independent trade ally.

Customer Installation:

Customer contacts FPL regarding CIL program.

FPL performs pre-installation inspection and fills out incentive certificate with assigned job number for planned retrofit. Once list of proposed products is approved by FPL, customer receives pre-approval for installation of the job.

Customer installs qualifying lighting measure and contacts FPL.

FPL performs post-inspection (at FPL's discretion), obtains a copy of the invoice for measures, and processes CIL Incentive Certificate for payment.

Incentive amounts will be determined based on the conditions set forth in the "Incentive Processing" section.

Incentive payment is sent to customer.

Mass Marketing Installations:

Customer receives marketing materials regarding FPL approved products, along with rebate coupon.

Customer purchases and installs qualifying compact fluorescent lamp (CFL) products.

Customer fills out rebate certificate, attaches proof of purchase seals (UPC code) from packaging, and mails in to FPL.

Incentive amounts will be determined based on the conditions set forth in the "Incentive Processing" section.

Incentive payment is mailed to customer.

Post-installation inspections are performed randomly at FPL's discretion.

Incentive Processing

Incentives will be provided to customers or participating independent trade allies.

All participating independent trade allies must issue an up-front discount to the customers for the incentive amount. This amount will be reimbursed to the participating independent trade ally by FPL upon satisfactory completion of the CIL job and compliance with all applicable eligibility and participation requirements.

Customers will receive a direct rebate only in the cases where the customers own internal staff installs the qualifying measure or the customer is a governmental account.

Incentives will be paid only for products accepted for inclusion in the CIL program.

Incentives will be based on a net lighting kW reduction for each application. The net kW reduction is equal to the difference between the existing lighting kW and the new lighting kW. The existing lighting kW is determined by multiplying the existing kW/fixture by the existing number of fixtures. The new lighting kW is determined by multiplying the new kW/fixture by the new number of fixtures. The kW per fixture is calculated using the following formulas or from manufacturer's test data, which ever is greater:

- A. Delamping Applications: $\text{kW/Fixture} = (\text{Existing kW/Fixture}) \times (\text{New Number of Lamps/Fixture}) / (\text{Existing Number of Lamps/Fixture})$.
- B. Non-Ballasted Applications: $\text{kW/Fixture} = (\text{Number of Lamps/Fixture}) \times (\text{Lamp Wattage}) / 1000$.
- C. Current Limiter Applications: $\text{kW/Fixture} = (\text{Existing kW/Fixture}) \times (1 - \text{Power Reduction \%})$.
- D. Ballasted Fluorescent and HID Applications: $\text{kW/Fixture} = (\text{Number of Lamps/Fixture}) \times (\text{Lamp Wattage}) \times \text{BC} / 1000$.
Ballast Coefficients (BC): Standard Magnetic Ballasts = 1.19, Energy Efficient Magnetic = 1.10, Hybrid Ballasts = 1.00, Electronic Ballasts = 0.86, T-8 Electronic Ballasts = 0.82, Low Wattage Electronic Ballasts = 0.74, DC Electronic Ballasts = 1.23, Mercury Vapor Ballasts = 1.15, Metal Halide Ballasts = 1.23, High Pressure Sodium Ballasts = 1.28, Low Pressure Sodium Ballasts = 1.43.

Ballasts for all buildings built after December 31, 1990 will be assumed to have Energy Efficient Magnetic ballasts unless otherwise proved by the participating trade ally or customer.

For the CIL program administration, technologies will be segmented into three incentive categories using the following criteria: product life, fixture modification, technical exclusivity, and efficiency gain as more thoroughly described in Appendix A. A representative sample from the categorization matrix is included in Appendix B. Other technologies not shown in the categorization matrix will be categorized using the same methodology.

Incentives for the program will be adjusted in response to changing market conditions throughout the life of the program while maintaining the cost effectiveness of the program. Current incentive values are \$10/kW reduction for category 1, \$50/kW reduction for category 2, and \$150/kW reduction for category 3. For the mass marketing option, current incentive values are \$1.00/lamp for CFL lamps up to and including 18W and \$1.50 for CFL lamps larger than 18W.

All incentive payments will be limited to the installed cost of the measure. In the case that the invoice cost does not include labor, a labor allowance of \$2.50/fixture will be added.

Incentive payments for the mass marketing option will be limited to a maximum of \$30.00 per rebate application.

Processing of the incentive certificate will depend on whether the installation is performed by a customer or a CIL program participating independent trade ally.

FPL shall determine whether the requirements of the Commercial Industrial Lighting program have been met.

Reporting Requirements

All program charges such as Payroll & Benefits, Material and Supplies, Outside Services, Advertising, Vehicles, Other, and Incentives Costs shall be reported by both the Energy conservation Cost Recovery True -Up and Projections, specifically through Schedules CT-2 and C-2 respectively.

Appendix A

Criteria for Categorizing C/I Lighting Technologies for the CIL Program Incentive

Products are categorized on the basis of four criteria, Product Life, Fixture Modification, Technology Exclusivity, and Efficiency Gain. Each being ranked High, Medium, or Low. High is worth 9 points, Medium is worth 3 points, and Low 1 point.

Product Life: Expected Life of lighting technology.

Low: Life < 2 years
Medium: 2 ≤ Life < 15 Years
High: Life ≥ 15 Years

Fixture Modification: Degree to which the luminaire or fixture has been modified.
Low: No change to the fixture or a minor change such as non critical components.

Medium: Major modification to the existing components or additional components added to the fixture.

High: Basic integral component of fixture is replaced or whole fixture is replaced.

Technology or Fixture Exclusivity: Degree to which fixture is rendered incapable of accepting a different technology.

Low: Old technology can be re-installed in fixture, resulting in an increase in wattage.

Medium: Components can be changed and may result in a moderate wattage increase.

High: New technology will not accept different components or will not operate with old technology, or components can be changed but will not result in a wattage increase.

Efficiency Gain: Degree to which the energy efficiency of the fixtures is increased (measured in lumens per watt (LPW)).

Low: Increased LPW > 20%

Medium: 20% ≤ Increased LPW < 50%

High: Increased LPW ≥ 50%

The rankings are added based on the following formula to calculate the Total Score:
Total Score = Product Life + Fixture Modification + Tech. Exclusivity + Efficiency Gain

Category 1: Total Score ≤ 12 points

Category 2: 12 points < Total Score < 25 points

Category 3: Total Score ≥ 25 points

Appendix B

Lighting Technology Categorization

Technology	Product Life	Fixture Modification	Technical Exclusivity	Efficiency Gain	Total Score	Category	Lumens	Watts	LPW	Inc. LPW
Install 4 x F40 (2400)	1	1	1	1	4	CAT-1	8572	164	60.60	4.3%
Delamp 1-10's w Reflector	3	3	0	3	18	CAT-2	7800	96	82.11	40.8%
Install 50% Current Limiter w Other Lamps	0	3	3	1	16	CAT-2	7878	115	68.37	16.6%
Install 80% Current Limiter w Other Lamps	0	3	3	3	18	CAT-2	8784	82	70.84	21.8%
Delamp 1-10's w 8' Reflect & Reflector	0	0	0	0	36	CAT-3	7800	70	111.43	91.1%
Delamp 1-4's w 8' Reflect & Reflector	0	0	0	0	36	CAT-3	8518	53	122.92	118.8%
Install 3 x 1-4's w 8' Reflect and Reflector	0	0	0	0	36	CAT-3	7878	84	94.98	62.9%
Install 50% Current Limiter w F40 (2400)	0	3	0	0	30	CAT-3	6340	48	127.36	118.4%
Install 4 x F40 (2400) w 8' Reflect	0	0	3	3	24	CAT-2	8788	120	81.25	38.3%
Install 4 x F40 (2400) w Hybrid Reflect	0	0	3	3	24	CAT-2	8572	138	75.32	35.7%
Install 4 x F40 w 8' Reflect	0	0	0	1	28	CAT-3	11181	172	65.06	11.8%
Install 4 x F40 w Hybrid Reflect	0	0	0	1	28	CAT-3	11088	168	66.26	10.8%
Install 80% Current Limiter w F40 (2400)	0	3	0	0	30	CAT-3	4787	42	113.98	65.4%
Install 1-4 w 8' Reflect	0	0	3	0	30	CAT-3	10888	108	102.43	78.7%
Install 1-4 w Low Voltage 8' Reflect	0	0	0	0	36	CAT-3	8878	88	104.98	88.8%
Install 1-4 w 2-4' Double 140000 Reflect	0	0	0	1	28	CAT-3	7878	138	62.31	8.9%
Install 2 x F40 1-4 w 8' Reflect	0	0	3	3	24	CAT-2	10448	120	87.08	38.8%
Install 2 x F40 1-4 w 2-4' Double 8' Reflect	0	0	0	3	30	CAT-3	10448	120	87.08	38.8%
Install 2 x F40 1-4 w 8' Reflect	0	0	0	1	28	CAT-3	11088	100	77.33	15.3%
Install 2 x F40 1-4 w 8' Reflect	0	0	3	3	24	CAT-2	10448	120	87.08	38.8%
Install CP Screw In Lamp	1	1	1	0	12	CAT-1	808	18	47.37	226.7%
Install Halogen (2-4) Inc Lamp	1	1	1	1	4	CAT-1	1278	80	14.11	11.4%
Install CP Hard Wood	0	0	0	0	36	CAT-3	808	18	47.37	226.7%
Install HPS Screw In Lamp	1	1	1	0	12	CAT-1	14488	200	72.00	103.9%
Install Metal Fixture Screw In	1	1	1	3	6	CAT-1	10388	210	48.29	38.3%
Install HPS Hard Wood	0	0	0	0	36	CAT-3	14488	200	72.00	103.9%
Install MH Hard Wood	0	0	0	3	30	CAT-3	10388	210	48.29	38.3%

Category - 1: Total Score = (0 - 12 points)

Category - 2: Total Score = (13 - 24 points)

Category - 3: Total Score = (25 points or greater)



Commercial/Industrial Building Envelope

Program Standards

Submitted: October 18, 1995

Effective: March 1, 1996

**Florida Power & Light Company
Commercial/Industrial Building Envelope
Program Standards**

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Florida Power & Light Company Commercial/Industrial Building Envelope Program Standards

Program Objective

The objective of the Commercial/Industrial Building Envelope (CIBE) Program is to reduce current and future electrical demand and energy usage from air-conditioning (A/C) equipment, during the summer peak hours, through the installation of qualifying energy-efficient building envelope measures.

Customer Eligibility

The CIBE program shall be available to all commercial and industrial FPL customers that install qualifying measures, such as window treatments or roof / ceiling insulation, in their eligible facilities.

This program shall apply to retrofit applications only.

This program shall apply to those measures not required by energy or building codes.

Eligible facilities are facilities:

- with areas conditioned (see "Definitions") by all electric A/C equipment, operating during 3 pm to 6 pm weekdays, April 1st through October 31st;
- served by FPL and located within FPL's service territory; and
- with a Certificate of Occupancy or equivalent approval for occupancy.

Common Use Facilities otherwise meeting the requirements of "Eligible Facilities" are eligible only if the account has not participated in any FPL Residential Incentive program. (see "Definitions")

Trade Ally Eligibility

A CIBE Participating Trade Ally is defined as an installer, contractor, distributor, manufacturer, dealer, or other building envelope professional who signs a Demand Side Management Program Contract with FPL. This agreement is required for participation in the CIBE program and permits the Participating Trade Ally to be included in any FPL listings given to customers requesting program trade ally information.

Governmental customers may be permitted to install CIBE approved products without the use of a Participating Trade Ally, subject to FPL approval and fulfillment of the program requirements.

Participating Trade Allies shall be represented at a program orientation meeting prior to participating in the CIBE program. Attendance at periodic refresher meetings will also be required, subject to future CIBE program enhancements or changes.

Participating Trade Allies will be required to demonstrate skills, training, and licensing as deemed necessary in their trades.

Product Eligibility

FPL will review products provided by customers or Participating Trade Allies to determine incentive levels in accordance with the "Incentive Processing" section, and whether individual products meet or exceed the CIBE program requirements.

Manufacturers shall submit product information for approval by FPL for inclusion into the CIBE program, prior to products being eligible for incentives. Other Participating Trade Allies are also permitted to submit product information, where none has previously been received by FPL.

All eligible CIBE products shall have thermal properties and performance characteristics independently tested using AIMCAL, ASHRAE, ASTM, IWFA, NFRC, (see "Definitions") or other FPL-approved calculations and test methods, where appropriate.

All eligible solar film and solar screen products shall carry a minimum five (5) year manufacturer's warranty on materials and installation.

Window Treatment measures

Eligible Window Treatment measures shall include solar films, solar screens, awnings, shutters, and high-efficiency replacement windows.

Product qualification for solar film and solar screens shall be determined by the Shading Coefficient, as obtained from manufacturer's test data. Shading coefficients shall be calculated for applications to single pane, clear 1/4 inch glass. For solar screens, the shading coefficient shall also be determined using a profile angle of 30 degrees.

Product qualification for high-efficiency replacement windows shall be determined by the Solar Heat Gain Coefficient (SHGC), under approved rating.

certification, and labeling procedures of the NFRC. In the event that the SHGC is not available for a product, then the shading coefficient shall be used, as obtained from manufacturer's test data.

All window treatments must satisfy the following criteria to be eligible for CIBE Incentives:

- Applied to northwest, west or southwest exposures;
- Applied to existing clear or tinted single pane, or clear double pane glass types;
- Existing windows are not permanently shaded;
- Existing glass panes are not reflective, wired, textured, nor patterned;
- Shall be installed on windows not already treated with solar film, solar screens, awnings, shutters or any other shading products;.
- May be installed on windows shaded by overhangs that project outward no more than twice the height of the window;
- Shall be installed on qualifying windows (see "Definitions").

Solar Films:

- shall be installed on the inside surface of existing glass;
- shall have adhesive as an integral part, not to be applied separately;
- shall have uniform appearance when installed with no streaks, banding, bubbles, pinholes, scratches or spots;
- shall be installed with a border of no less than 1/32 inch and no more than 1/8 inch between the film edge and the window frame.

Solar Screens:

- shall be installed outside of existing glass;
- shall be permanently installed to project continuous shade over the entire glass area.

Awnings and Shutters:

- shall be permanently installed to project continuous shade over the entire existing window area;
- shall have fixed slats or louvers;
- shall have dimensions (length and width) equal to or greater than the existing window.

Window Replacements:

- shall be permanently installed to replace existing windows.

Roof and Ceiling Insulation measures

Eligible Roof Insulation measures are mechanically-fastened or fully-adhered, rigid board or slab insulation types.

Eligible Ceiling Insulation measures are blown-in (loose fill), batt, blanket, and sprayed foam (or fiber) insulation types.

Eligible insulation products shall be installed only in qualifying existing roof (see "Definitions") or ceiling systems, with an overall effective thermal resistance of R-7.0 or less.

Roof Insulation:

- Shall be installed under the roof surface over conditioned space;
- Shall be installed in sufficient quantity to increase the overall thermal resistance of the existing roof system by a minimum of R-7.0.

Ceiling Insulation:

- Shall be exclusively batt or blanket insulation when installed over unfinished ("drop") ceilings;
- Shall not be installed in areas that are part of plenum air distribution systems;
- Shall be installed as a direct application to the top-floor ceiling in the unconditioned or attic area over the conditioned space;
- Shall be installed uniformly and in sufficient quantity to increase the overall thermal resistance of the existing ceiling by a minimum of R-11.0.

Participation Requirements

Installation Requirements

A minimum of 200 square feet of window treatment or 1000 square feet of roof or ceiling insulation shall be installed per incentive application. If the total qualifying area is less than these limits, the installation must cover the total qualifying area.

Eligible installations shall be open to inspections before and after installation for verification of the CIBE program requirements.

Unless otherwise excepted, all CIBE products shall be installed by an approved CIBE Participating Trade Ally. Batt or blanket insulation may be installed by the customer without the use of a Participating Trade Ally. Eligible governmental customers may install approved CIBE products without a Participating Trade Ally.

All CIBE products shall be installed in accordance with all applicable federal, state, or local codes, and all industry and manufacturer's recommendations and

specifications.

Limited technical assistance may be available from FPL. Technical assistance may include savings and payback estimates. In some instances, FPL may supply a more detailed calculation of energy savings.

FPL shall make the final determination as to whether all of the CIBE program requirements have been met.

Participating Trade Ally Installations

Participating Trade Allies shall submit to FPL all CIBE Incentive Certificates for customers that are participating in the program, following this sequence of events:

Participating Trade Ally obtains commitment from the customer to install a proposed building envelope measure(s).

Participating Trade Ally submits a completed CIBE job proposal to the local FPL Office for pre-installation approval.

FPL performs a pre-installation inspection (if deemed necessary) and, upon approval of the job proposal, issues a CIBE Incentive Certificate to the Participating Trade Ally and/or the customer.

Participating Trade Ally installs a CIBE approved product(s) and resubmits the CIBE Incentive Certificate, with satisfactory invoices, to FPL for post-installation approval.

FPL performs a post-installation inspection (if deemed necessary) and upon final approval (after necessary corrections) of the installation, the CIBE Incentive Certificate is processed and payment is made.

Participating Trade Allies shall agree to a limit of 60 days between the date of installation of the measure(s) and the date that CIBE Incentive Certificates are presented for redemption to the local FPL office.

Customer Installations

Eligible Governmental customers or any customer self-installing batt or blanket insulation, shall follow this sequence of events:

FPL performs a pre-installation inspection and, upon approval, issues a

CIBE Incentive Certificate to the customer.

Customer installs a CIBE approved product(s) and resubmits the CIBE Incentive Certificate, with satisfactory invoices, to FPL for post-installation approval.

FPL performs a post-installation inspection (if deemed necessary) and upon final approval (after necessary corrections) of the installation, the CIBE Incentive Certificate is processed and payment is made.

Incentive Processing

Upon meeting all of the eligibility and participation requirements, the Customer or the Participating Trade Ally shall be paid an incentive by FPL.

Incentives for eligible installations shall be determined by the following tables.

Window Treatment Installations

EXISTING GLASS TYPE	SHADING COEFFICIENT (Solar Films & Solar Screens)	SOLAR HEAT GAIN COEFFICIENT (Window Replacements)	INCENTIVE (\$/square foot)
Single Pane Clear	0.39 or less	0.34 or less	\$0.75
Single Pane Clear	0.40 to 0.59	0.35 to 0.51	\$0.50
Single Pane Tinted	0.39 or less	0.34 or less	\$0.50
Double Pane Clear	0.39 or less	0.34 or less	\$0.50

Incentives for awning or shutter installations shall be based on an assumed Shading Coefficient of 0.39 or less.

Window treatment incentive amounts are per square foot of installed, qualifying glass area.

Incentives for window replacements shall be based on the installed, qualifying glass area of the replacement or the existing window, whichever is less.

Roof or Ceiling Insulation Installations

INSULATION TYPE	ADDED R-VALUE	INCENTIVE (\$/square foot)
Roof Insulation	R-7.0 to R-11.9	\$0.50
Roof Insulation	R-12.0 or greater	\$0.75
Ceiling Insulation	R-11.0 to R-18.9	\$0.10
Ceiling Insulation	R-19.0 or greater	\$0.15

Roof or ceiling insulation incentive amounts are per square foot of installed, qualifying roof or ceiling area.

Incentives for tapered insulation installations shall be determined by the average added R-Value of the installed materials.

Incentive Payment

No incentive payment shall exceed the customer's cost of the qualifying product(s). This cost may also include applicable labor, if a Participating Trade Ally performs the installation.

Incentives shall be paid to either the customer or the Participating Trade Ally, at the customer's discretion.

Product Performance Verification

FPL may verify that CIBE product installations meet the requirements of the program through a pre- and/or post-installation inspection.

Participating Trade Allies shall notify FPL at least three working days in advance for situations where accessibility and visual inspection is only available at the time of installation.

If the customer's pre- and/or post-installation inspection fails:

FPL shall notify the Customer and/or the Participating Trade Ally and provide the reason for failure upon completion of the inspection;

The customer and/or Participating Trade Ally shall have 30 days after the date of the failure notice to remedy any problems identified by FPL and pass

an additional FPL inspection. Otherwise, the installation will no longer qualify for a CIBE program incentive.

Definitions

"AIMCAL" is the Association of Industrial Metallizers, Coaters, and Laminators.

"ASHRAE" is the American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

"ASTM" is the American Society for Testing and Materials.

"Common Use Facilities" are those accounts associated with a condominium, cooperative, or homeowner association that currently have an approved Common Use Facilities Rider with FPL. This can be verified by contacting the local FPL office.

"Conditioned" space, for the purposes of the CIBE program, is a building area cooled by a central A/C system, using electricity as its primary fuel source.

"IWFA" is the International Window Film Association.

"NFRC" is the National Fenestration Rating Council.

"Roof" area is the horizontal, or less than 60 degrees from horizontal, portion of a building that separates the exterior and conditioned interior building areas.

"Windows" are the non-obscure, light-transmitting areas of a building wall which slope 30 degrees or less from the vertical position, and which separate the exterior and conditioned interior building areas. The window area includes the glass area, framing, and any spacers or dividers. The window height is the distance from the bottom of the window to the bottom side of the horizontal overhang above the window.

Reporting Requirements

All program charges such as Payroll & Benefits, Material and Supplies, Outside Services, Advertising, Vehicles, Other, and Incentive Costs shall be reported by both the Energy Conservation Cost Recovery True-Up and Projections, specifically through Schedules CT-2 and C-2, respectively.



Business Custom Incentive Program

Program Standards

Submitted: October 18, 1995

Effective: March 1, 1996

**Florida Power & Light Company
Business Custom Incentive Program
Program Standards**

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Florida Power & Light Company Business Custom Incentive Program Program Standards

Program Objective

The objective of the Commercial/Industrial (C/I) Business Custom Incentives Program (BCIP) is to encourage FPL's commercial and industrial customers to reduce, or shift to off-peak hours, on-peak electric demand. FPL will provide incentives to eligible C/I customers who purchase, install and successfully operate qualifying, cost-effective energy conservation measures.

Customer Eligibility

The BCIP is available to all FPL C/I customers which, as a result of the proposed measure(s), are able to reduce their electric demand coincident with FPL's summer system peak by a minimum of 25 kw. Summer peak occurs from 3:00 pm to 6:00 pm on weekdays, excluding holidays, between April 1st and October 31st.

Eligible facilities must be served by FPL and must be located within FPL's service territory.

Equipment Eligibility

The proposed equipment (or measure(s)) must not be covered by any other FPL program. However, measure(s) covered by another FPL program(s) may qualify if bundled with and related to equipment or measure(s) that would not qualify for any other FPL program.

The subject equipment must not have been installed prior to the date of written acceptance by FPL of a customer's proposal. The equipment must not be installed later than one year after the acceptance date, unless prior approval is given by FPL.

The proposed measure(s) must have a simple payback of no less than 2 years with the FPL incentive included.

Measure(s) installed in both existing facilities and new construction are eligible. Measure(s) associated with new construction must not be addressed by or necessary to meet the requirements of any applicable federal, state or local municipal building or energy codes. This will permit new construction projects when the measure(s) are unique, such as efficiency improvements for an industrial process.

The customer's project must not adversely impact FPL system reliability, equipment, and safety.

All eligible equipment must be installed and operated in accordance with the manufacturer's recommendations and specifications for the intended application.

The following are conditions which will preclude the eligibility of equipment for the BCIP:

- operational or maintenance improvements that are not permanent;
- equipment or measures which FPL is actively researching;
- fuel switching projects;
- power generation technologies;
- wheeling of any type;
- projects which are based exclusively on a change or improvement of the customer's electrical equipment such as, but not limited to, electrical wiring, transformers, electric distribution equipment, substation equipment, and transmission facilities.

Participation Requirements

A screening application or other document(s) with sufficient information to allow an assessment of the project must be submitted to FPL for initial review and screening.

Following the review of the information submitted with the screening application or similar documents, and after an affirmative response to proceed by FPL, the customer must submit a Formal Proposal in order for FPL to officially consider the project for participation in the BCIP. The Formal Proposal is the official description of the project, and must include any information which FPL may require in order to determine the project's cost effectiveness, feasibility, and impact on FPL's electric system, equipment, and safety.

Upon written acceptance of the Formal Proposal by FPL, the customer and FPL will negotiate a contract detailing the terms of participation in the BCIP, and the execution of this Contract will initiate the customer's participation in the BCIP. Acceptance of the Formal Proposal means that FPL has reviewed the Formal Proposal, and has determined that both the Formal Proposal and the corresponding project meet all of the requirements for participation in the BCIP.

Installations must comply with all Federal, State, and Local codes and regulations, shall be made pursuant to all necessary permits, and shall be performed by qualified personnel.

The facilities in which the installation(s) are made shall be accessible to FPL employees for observation during installation and for monitoring as agreed to between FPL and the customer.

All BCIP projects will be monitored. Monitoring will consist of one of two levels of activity based on FPL's determination:

- High-Moderate confidence projects - At a minimum, an engineering analysis with relevant calculations will be required. FPL, at its determination, may also require a feasibility study performed by an independent, registered professional engineer, and/or field monitoring of the project.
- Innovative projects - FPL will require field monitoring/measurement of the project's performance.

FPL shall be solely responsible for determining the monitoring activity required, as well as for assessing the performance of the project as indicated by the monitoring results.

Incentive Processing

Upon satisfying all conditions of the "Customer Eligibility", "Equipment Eligibility", and "Participation Requirements" sections as specified herein, the customer (or the customer's designee where appropriate) may be offered and paid an incentive by FPL.

Incentive Payment Determination

Incentives will be offered only under the following conditions:

- the customer provides sufficient documentation for FPL to determine cost-effectiveness;
- FPL determines that the measure is cost-effective, with the incentive included;
- the payback to the customer, with the incentive included, is two (2) years or greater.

For each Formal Proposal submitted by a customer, the proposed project will undergo a cost-effectiveness evaluation using the Commission approved methodology. In order to be eligible for an incentive, the project must have a benefit-to-cost ratio of at least 1.01 under the Rate Impact Measure (RIM) Test, with the incentive included. In addition, the project must achieve a minimum benefit-to-cost of ratio of 1.00 in the Participant Test.

Incentive Payment Timing

The payment stream of the incentive amount will be negotiated on a case by case basis between the customer and FPL, and will be included in the contract.

Incentive Adjustment and Investment Protection

Once monitoring of the project has been completed, the total incentive amount may be adjusted downward if the actual summer coincident peak demand reduction is more than ten (10) percent below the demand savings stated in the contract for participation. Any adjustment will be based on the Commission-approved cost-effectiveness methodology utilizing the actual savings and the same resource assumptions in effect at the date of FPL's approval of the customer's Formal Proposal. No upward adjustment of the incentive amount will be made.

For a period of five (5) years from the date of the final incentive payment to the customer by FPL, should the customer change its electric rate from the rate in effect at the time of the original determination of the incentive amount, FPL reserves the right to recalculate the eligible incentive amount using the new rate. Any decrease in the incentive amount will be immediately payable by the customer to FPL. Or, within the same five (5) year period, should FPL find that the applicable measure(s) is no longer in operation as stated in the Formal Proposal, FPL may require the repayment in full of the incentive amount paid to the customer under the BCIP.

Reporting Requirements

All program charges such as Payroll & Benefits, Material and Supplies, Outside Services, Advertising, Vehicles, Other, and Incentives Costs shall be reported by both the Energy Conservation Cost Recovery True-Up and Projection filings, specifically through Schedules CT-2 and C-2 respectively.

In addition, once a final incentive has been paid on a participating project, the cost-effectiveness determination for the project along with other relevant information shall be filed with the Commission as part of the next annual "Conservation Cost Recovery Factor Final True Up" filing.



Business Energy Evaluation

Program Standards

Submitted: October 18, 1995

Effective: March 1, 1996

**Florida Power & Light Company
Business Energy Evaluation
Program Standards**

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Florida Power & Light Company Business Energy Evaluation Program Standards

Program Objective

The objectives of the Business Energy Evaluation program are to identify energy efficiency opportunities in commercial and industrial facilities, and to maximize FPL's Demand Side Management (DSM) efforts by determining eligibility in the other DSM programs and services. Applicable recommendations are offered and incentives are coordinated, but not directly offered through this program.

Customer Eligibility

The Business Energy Evaluation program is available to commercial and industrial customers served by FPL and located within FPL's service territory. It applies to existing facilities as well as those being planned, expanded or renovated.

Common Use Facilities are eligible provided the account has not participated in any FPL Residential Incentive programs. A Common Use Facility is an account associated with a condominium or homeowners association that currently has a Common Use Agreement with FPL. This can be verified by contacting the local FPL office.

Trade Ally Eligibility

A Business Energy Evaluation trade ally is defined as an architectural firm, an engineering firm, a state or federal energy program, an energy services company or a financial institution.

These trade allies must provide FPL with their corporate and technical qualifications as well as being a professional registered organization in their field.

Prior to being approved each firm must be interviewed by FPL to determine whether the corporate qualifications meet FPL's analysis needs.

Equipment Eligibility

The Business Energy Evaluation does not require technical specifications on equipment eligibility. Nevertheless, technical information regarding equipment, technologies and their performance as well as other FPL programs is made available

as applicable during the evaluation.

Participation Requirements

The Business Energy Evaluation is provided upon the request of an eligible customer. The evaluation results in a report with energy efficient recommendations. To encourage participation, a customer may receive more than one Business Energy Evaluation if it is necessary to encourage implementation of the recommendations.

The level of evaluation is based on customer needs. It is provided free of charge for bill disaggregation (i.e., bill breakdown) and walk-thru level evaluations. For evaluations more detailed than that of a walk-thru level (i.e., feasibility studies, etc.) or for those beyond FPL personnel's technical expertise, outside engineering firms and/or cost sharing with the customer may take place. The cost sharing amount is negotiated individually with FPL depending on project potential and available funds.

Eligibility for FPL's other incentive programs is determined and coordinated through the Business Energy Evaluation. However, the evaluation is not a requirement to receive an incentive. The demand and energy savings associated with implementation of the incentive-related recommendations are applied to those programs.

Incentive Processing

Incentives are not directly offered through the Business Energy Evaluation program. Nevertheless, customer eligibility in some of FPL's other incentive programs is determined and coordinated during the evaluation.

Reporting Requirements

The Business Energy Evaluation will be measured by the number of evaluations provided to the customer. The energy savings from recommendations implemented by the customer as a result of the evaluation, will not be claimed as part of FPL's DSM efforts, unless they are associated with an FPL incentive program. The monitoring of energy savings claimed will take place in the other programs.

Data involving the program activity will be entered into a database by FPL representatives. All program charges such as Payroll & Benefits, Materials & Supplies, Outside Services, Advertising, Vehicles, Other, and Incentives Costs shall be reported by both the Energy Conservation Cost Recovery True-Up and Projection filings, specifically through Schedules CT-2 and C-2 respectively.



Commercial/Industrial Off-Peak Battery Charging

Program Standards

Submitted: October 18, 1995

Effective: March 1, 1996

Program Objective

The objective of the Off-Peak Battery Charging ("OPBC") Program is to reduce the current coincident peak demand and future growth of coincident peak demand by shifting from on-peak to off-peak time periods the demand from battery charging applications.

Customer Eligibility

The program shall be available to eligible commercial and industrial customers who are demand billed, have electric battery charging loads, and can effectively shift the electric battery charging loads from FPL's on-peak time periods as defined by these Program Standards. The eligible customer's facilities must be served by FPL and located within FPL's service territory, and its battery charging equipment must operate during the hours of 3 to 6 PM during FPL's summer months.

"Common Use Facilities" are eligible provided the account has not participated in any FPL Residential Incentive program (see "Definitions").

Customer Requirements

The customer shall:

- Select, purchase, install, operate, and maintain the equipment per the "Equipment Eligibility" section of these Program Standards.
- Provide FPL with manufacturer literature, contractor/installer documentation and any other supporting literature which clearly indicates how the proposed system will meet the "Equipment Eligibility" requirements of these Standards. This requirement applies to customers who are willing to install equipment that has not been evaluated previously by FPL.
- Install eligible control and switching equipment to effectively control a minimum of 70% of all the battery chargers at the customer's facility in accordance with the "Equipment Eligibility" section.
- Sign a Participation Agreement.

- Install, operate and maintain the "Eligible Equipment" in accordance with these Program Standards.
- Have the equipment serviced within three working days of failure.
- Allow FPL, at FPL's discretion, to:
 - Install load monitoring and survey equipment.
 - Analyze the battery charging electric load.
 - Cause a contractor/installer to adjust or reprogram the equipment to reflect any future changes to on-peak time periods.
 - Inspect the installation.

Trade Ally Eligibility

For this program the Trade Ally is an independent equipment representative who has identified him or herself to FPL as the installer, dealer, contractor, or representative of equipment listed on FPL's OPBC Eligible Equipment List. The Trade Ally will be allowed to: install equipment, provide customers with the OPBC Participation Agreement and the Program Standards, fill out OPBC Incentive Certificates for the customer, and arrange the post-installation inspection with FPL in accordance with these Program Standards.

Equipment Eligibility

"Eligible Equipment" is control equipment that has been reviewed, tested and accepted by FPL. Acceptance by FPL means that the equipment meets or exceeds the "Equipment Requirements" (as described below), to FPL's satisfaction.

The names of Eligible Equipment and equipment representatives will be provided to customers on FPL's OPBC Eligible Equipment List. The List is not a recommendation by FPL of the equipment or the equipment's representative(s). In fact, a customer may purchase and install the equipment from anyone willing to sell the equipment specifically identified on this list.

Equipment Requirements

The complete system (control unit or units), including any supplemental devices, shall be listed by Underwriters Laboratories ("U.L.") or a nationally recognized testing

**Florida Power & Light Company
Commercial/Industrial Off-Peak Battery Charging
Program Standard**

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organization acceptable to FPL.

The controller must have backup power to carry programming, time and date for a minimum of 72 hours.

All equipment programming changes affecting the battery charging operation must be approved by FPL.

The equipment must:

- Not allow any customer input or adjustments to be made, which cause battery charging to occur during FPL's on-peak period.
- Have an audible alarm or status light to alert customer to a loss of power to the controller.
- Carry a minimum of one year full service warranty, including parts and labor.
- Be programmed:
 - Such that a minimum of 70% of the battery charging load is controlled (i.e., not allow battery charging to take place) and batteries cannot be charged during FPL's on-peak time periods. Such on-peak time periods must match with FPL's Time of Use rates' time schedules, including season changes (summer/winter), date and time for Daylight Savings Time/Eastern Standard Time and leap year to FPL's satisfaction.
 - For a minimum of 60 months from the date the incentive is received by the customer.

Participation Requirements

For customers who are willing to install equipment not currently eligible to participate in the program, the customer shall provide to FPL the information described under the "Customer Eligibility" section of these Program Standards. Upon submission of the information, FPL will then evaluate the proposed equipment and determine whether the customer and the equipment are eligible to participate in the program. The customer will then be notified of the review results.

If FPL does not accept the equipment as "Eligible Equipment," the customer has the option to submit literature from another manufacturer to FPL for review or select a previously approved product from FPL's OPBC Eligible Equipment List.

If the equipment is eligible and the customer is eligible and willing to commit to meeting "Customer Requirements", an FPL Participation Agreement shall be offered to the customer for review and signature.

Customers who install "Eligible Equipment" shall have 60 calendar days from the purchase date to sign and submit a current Participation Agreement with the supporting documentation to FPL.

Installation Requirements

The customer shall have the contractor/installer:

- Analyze the facility's load profile and determine the average demand (kW) reduction and electric cost savings achievable by controlling the battery charging load.
- Install the equipment in accordance with manufacturer's recommendations and specifications.
- Group control circuits so that all electrical devices are not adversely affected by voltage drop, excessive current, excessive kW or harmonics.
- Obtain any and all governmental permits, certifications or other authority which the contractor/installer requires prior to the installation of the equipment.

Equipment Performance Verification

FPL shall verify the equipment's operation and the actual number of chargers being controlled through a post-installation inspection.

If the Customer's post-installation inspection fails:

- FPL shall notify the Customer and provide the reason for the failure in writing within ten (10) working days of the inspection.
- The Customer shall have 30 days after the date of the failure notice to remedy the problem and pass the inspection. Otherwise, the Participation Agreement is terminated with no liability to either party.

Incentive Processing

Upon meeting all of the "Customer Eligibility" requirements and satisfying the "Equipment Eligibility" requirements, the customer or the customer's designee shall be paid an incentive.

Customers with Battery Charging Facilities shall be allowed to receive an incentive equal to the lesser of the dollar amount listed in Table I per "kW Controlled" or the purchase price of the equipment. The incentive shall not exceed the purchase price of the equipment which would be installed in order to effectively perform the required load shifting, excluding associated labor, installation, operation, or maintenance costs.

Table I: The maximum incentive amount allowed based on the participating customer's rate

Customer Rate Class	Incentive per "kW Controlled"
GSD and GSLD	\$57.00
All Other Rates	\$ 0.00

Incentive Payment

The incentive payment to the customer shall not be made by FPL until:

- The Participation Agreement is signed by FPL and the customer.
- The customer provides FPL an itemized invoice for the complete installation of the eligible equipment.
- FPL has verified and, if necessary, adjusted the amount of the incentive payment.
- The equipment passes FPL's post-installation inspection.

Customer Repayment of Incentive

A customer receiving an incentive shall repay the incentive plus interest to FPL if:

- **The customer takes service at the facility under a rate which differs from the rate that had been used to determine the incentive payment amount within 60 months of receiving said amount;**
- **The customer fails to maintain and operate the equipment in accordance with these Program Standards; or**
- **For any reason the customer removes the equipment or ceases operation of the equipment. However, if the customer is the owner of or is operating the battery charging facility on behalf of an owner, cessation of the operation of the equipment due to the owner going out of business shall not give rise to an obligation to repay the incentive plus interest.**

FPL shall calculate the interest rate in accordance with the methodology approved by the Florida Public Service Commission used to calculate the interest rate for the Energy Conservation Cost Recovery (ECCR) Clause as it relates to under and over recovery.

FPL shall provide written notice to the customer of the repayment amount plus interest. The repayment made by the customer shall be credited to the ECCR Clause.

Definitions

Common Use Facilities

The "Common Use Facilities" are condominium, cooperative or homeowners association facilities that have an FPL account with a Common Use Facilities Rider accepted by FPL. This can be verified by contacting the local FPL office.

kW Controlled

The "kW Controlled" amount for facilities is equal to the "Total Number of Battery Chargers" at the time of FPL's post-installation inspection (i.e. number of permanent chargers/connections available that could operate simultaneously to charge batteries); multiplied by the ratio of the "Number of Participating Battery Chargers" to be interrupted during FPL's on-peak time period, to the "Total Number of Battery Chargers"; multiplied

by the "kW/Battery Charger", which will vary by application (see, Table II). The following is the general formula that will be used for the program.

$$\text{kW Controlled} = \text{Total Number of Battery Chargers} \times \frac{\text{Number of Participating Battery Chargers}}{\text{Total Number of Battery Chargers}} \times (\text{kW/Battery Chargers})$$

Note: The ratio of the "Number of Participating Battery Chargers" over the "Total Number of Battery Chargers" must be greater than or equal to 70 percent.

Table II: "kW/Battery Charger" value applied to the formula by application.

<u>Application</u>	<u>kW/Battery Charger</u>
Golf Facility: Golf Cart Battery Charging Application	0.66
Unique Applications are evaluated by FPL through monitoring or equipment literature	TBD ¹
1 - TBD: To Be Determined on a case by case basis.	

Peak Periods

FPL's On-Peak time period shall be that period defined in the existing or any subsequent Time-of-Use Rate Tariff on file with the Florida Public Service Commission. The current time periods are defined as follows:

- On-Peak**

Winter (November 1 through March 31): Monday through Fridays during the hours from 6:00 AM to 10:00 AM and 6:00 PM to 10:00 PM, excluding Thanksgiving Day, Christmas Day and New Year's Day.

Summer (April 1 through October 31): Monday through Fridays during the hours from 12:00 Noon to 9:00 PM, excluding Memorial Day, Independence Day, and Labor Day.

- Off-Peak

All other hours not defined by "On-Peak."

Reporting Requirements

All program changes such as Payroll and Benefits, Material and Supplies, Outside Services, Advertising, Vehicles, Other and Incentive Costs shall be reported in the Energy Conservation Cost Recovery True-Up and Projections filings, specifically through Schedules CT-2 and C-2 respectively.

Load Control

Program Standards

Submitted: October 18, 1995

Effective: March 1, 1996

**Florida Power & Light Company
Commercial/Industrial Load Control
Program Standards**

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Florida Power & Light Company Commercial Industrial Load Control Program Standards

Program Objective

The objective of the Commercial/Industrial Load Control Program (CILC) is to reduce the current and future growth of coincident peak demand and energy consumption by controlling customer loads during capacity shortages and system emergencies.

Customer Eligibility

This program addresses FPL's largest commercial and industrial customers. Customers who choose to participate receive a reduced billing rate in exchange for allowing FPL to remotely reduce the customer's electrical load on the FPL system during times when the system faces very high demand.

The Commercial/Industrial Load Control program is available to commercial and industrial customers to which load control can feasibly be applied.

This program applies to new or existing customers.

Eligible facilities must be served by FPL and located within FPL's service territory.

Further specification of customer eligibility may be found in FPL Rate Schedule: CILC-1 and the Commercial/Industrial Load Control Program Agreement in FPL's Tariff.

Trade Ally Eligibility

The CILC Program does not have participating contractors. Participating customers may have need of outside contractors to install wiring and other equipment needed to ensure the required printers and alarm boxes work, as well as to ensure that interruptions to agreed upon service levels occur.

Equipment Eligibility

Since the CILC Program addresses only the ability of a participating customer to reduce electrical load to an agreed upon level and does not address specific equipment, there are no "technical specifications on equipment eligibility" for this program. Customers are required to ensure that all equipment conforms with applicable codes, standards and legal requirements.

Participation Requirements

The eligibility requirements for all large commercial/industrial customers participating in the CILC Program are detailed in the FPL tariff which applies to this program. This information is specifically covered in the following sections of the Commercial/Industrial Load Control tariff (Rate Schedule CILC-1): "Available", "Limited of Availability", "Application", "Service", "Term of Service", and "Special Provisions". A copy of this tariff is found in Appendix A.

When the load control equipment and wiring installation is completed, the customer informs FPL, and a test of the customer's ability to receive control signals and to have the load interrupted is then carried out by FPL.

Prior to participation, all customers must sign the Commercial/Industrial Load Control Agreement Form. A copy of this form is in Appendix B.

Incentive Processing

Participants in the CILC Program receive a lower monthly rate. The billings to these customers are processed and billed in the same way other large demand customer accounts are billed. Since customers receiving service under the CILC-1 tariff contract for a specific Firm Demand that is used in the billing calculation, the contracted Firm Demand is provided to FPL's billing department for use as soon as it has been verified during a load reduction test. The participant then begins receiving bills which are calculated at the lower rate with the next billing.

Reporting Requirements

All program charges such as Incentives, Payroll & Benefits, Outside Services, Materials and Supplies and Other shall be reported in the Energy Conservation Cost Recovery True-Up and Projection filings, specifically through Schedules CT-2 and C-2 respectively.

Appendix A

**Commercial/Industrial Load Control Tariff
(Rate Schedule CILC-1)**

COMMERCIAL/INDUSTRIAL LOAD CONTROL PROGRAM
(OPTIONAL)**RATE SCHEDULE: CILC-1****AVAILABLE:**

In all territory served. Available to any commercial or industrial customer to which the load control provisions of this schedule can feasibly be applied, through the execution of a Commercial/Industrial Load Control Program Agreement with the Company.

LIMITATION OF AVAILABILITY:

This schedule may be modified or withdrawn subject to determinations made under Commission Rules 25-17.0021(4), F.A.C., Goals for Electric Utilities and 25-6.0438, F.A.C., Non-Firm Electric Service - Terms and Conditions or any other Commission determination.

APPLICATION:

For electric service provided to any commercial or industrial customer as a part of the Commercial/Industrial Load Control Program Agreement between the Customer and the Company, who agrees to allow the Company to control at least 200 kw of the Customer's load, or agrees to operate backup generation equipment (see Definitions) and designate (if applicable) additional controllable demand to serve at least 200 kw of the Customer's own load during periods when the Company is controlling load. A Customer shall enter into a "Commercial/Industrial Load Control Program Agreement" with the Company for service under this schedule. To establish the initial qualification for service under this schedule, the Customer must have had an On-Peak Demand (as defined below) during the summer rating period (April through October) for at least three of the previous twelve (12) months of at least 200 kw greater than the Firm Demand or Controllable Demand (as applicable) level specified in Section 4 of the Commercial/Industrial Load Control Program Agreement. This controlled load shall not be served on a firm service basis until service has been terminated under this rate schedule.

SERVICE:

Three phase, 60 hertz at any available standard voltage.

A designated portion of the Customer's load served under this schedule is subject to control by the Company. Transformation Rider-TR, where applicable, shall only apply to the Customer's Maximum Demand for delivery voltage below 69 kv. Standby Service is not provided hereunder. Resale of service is not permitted hereunder.

(Continued on Sheet No. 8.651)

(Continued from Sheet No. 8.650)

MONTHLY RATE:

Delivery Voltage Level:	<u>Distribution below 69 kv</u>		<u>Transmission 69 kv & above</u>
	<u>200-499 kw</u>	<u>500 kw & above</u>	
Maximum Demand Level:			
Customer Charge:	\$ 600.00	\$ 600.00	\$ 3,200.00
Demand Charge:			
per kw of Maximum Demand in excess of 10 kw	\$ 2.43	-	-
per kw of Maximum Demand	-	\$ 2.43	None
per kw of Load Control On-Peak Demand. Where Firm kw is < 10 kw, the Load Control On-Peak Demand shall be adjusted by the difference between 10 kw and Firm kw	\$ 1.16	-	-
per kw of Load Control On-Peak Demand	-	\$ 1.16	\$ 1.15
per kw of Firm On-Peak Demand in excess of 10 kw	\$ 5.85	-	-
per kw of Firm On-Peak Demand	-	\$ 5.85	\$ 6.25
Energy Charge:			
On-Peak Period:			
Non-fuel charge per kwh	1.448¢	1.133¢	0.942¢
Off-Peak Period:			
Non-fuel charge per kwh	1.448¢	1.133¢	0.942¢

Minimum: The Customer Charge plus the Demand Charge.

<u>Fuel Charge</u>	See Sheet No. 8.830
<u>Tax Clause</u>	See Sheet No. 8.840
<u>Conservation Charge</u>	See Sheet No. 8.860
<u>Capacity Payment Charge</u>	See Sheet No. 8.870
<u>Environmental Cost Recovery Clause</u>	See Sheet No. 8.875
<u>Oil Backout Charge</u>	See Sheet No. 8.880
<u>Franchise Fee</u>	See Sheet No. 8.890

(Continued on Sheet No. 8.652)

(Continued from Sheet No. 8.651)

LOAD CONTROL:**Control Condition:**

The Customer's controllable load served under this rate schedule is subject to control when such control alleviates any emergency conditions or capacity shortages, either power supply or transmission, or whenever system load, actual or projected, would otherwise require the peaking operation of the Company's generators. Peaking operation entails taking base loaded units, cycling units or combustion turbines above the continuous rated output, which may overstress the generators.

Frequency: The Control Conditions will typically result in less than fifteen (15) control periods per year and will not exceed twenty-five (25) control periods per year. Typically, the Company will not initiate a control period within six (6) hours of a previous control period.

Notice: The Company will provide one (1) hour's advance notice or more to a Customer prior to controlling the Customer's controllable load. Typically, the Company will provide advance notice of four (4) hours or more prior to a control period.

Duration: The duration of a single period of load control will typically be four (4) hours and will not exceed six (6) hours.

In the event of an emergency, such as a Generating Capacity Emergency (see Definitions) or a major disturbance, greater frequency, less notice, or longer duration than listed above may occur. If such an emergency develops, the Customer will be given 15 minutes' notice. Less than 15 minutes' notice may only be given in the event that failure to do so would result in loss of power to firm service customers or the purchase of emergency power to serve firm service customers. The Customer agrees that the Company will not be liable for any damages or injuries that may occur as a result of providing no notice or less than one (1) hour's notice.

Customer Responsibility:

Upon the successful installation of the load control equipment and/or any necessary backup generation equipment, a test of this equipment will be conducted between the hours of 7 a.m. and 6 p.m., Monday through Friday, excluding holidays, as specified in the Commercial/Industrial Load Control Program Agreement.

The Customer shall be responsible for providing and maintaining the appropriate equipment required to allow the Company to electrically control the Customer's load, as specified in the Commercial/Industrial Load Control Program Agreement.

The Company will control the controllable portion of the Customer's service for a one-hour period (during designated on-peak periods), once per year for Company testing purposes on the first Wednesday in November or, if not possible, at a mutually agreeable time and date, if the Customer's load has not been successfully controlled during a load control event in the previous twelve (12) months. Testing purposes include the testing of the load control equipment to ensure that the load is able to be controlled within the agreed specifications.

RATING PERIODS:**On-Peak:**

November 1 through March 31: Mondays through Fridays during the hours from 6 a.m. to 10 a.m. and 6 p.m. to 10 p.m. excluding Thanksgiving Day, Christmas Day, and New Year's Day.

April 1 through October 31: Mondays through Fridays during the hours from 12 noon to 9 p.m. excluding Memorial Day, Independence Day, and Labor Day.

Off-Peak:

All other hours.

(Continued On Sheet No. 8.653)

(Continued from Sheet No. 8.652)

LOAD CONTROL PERIOD:

All hours established by the Company during a monthly billing period in which:

1. the Customer's load is controlled (which includes the operation of the Customer's generation equipment), or
2. the Customer is billed pursuant to the Continuity of Service Provision.

DEMAND:

Demand is the kw to the nearest whole kw, as determined from the Company's metering equipment, for a 30-minute period as adjusted for power factor.

ON-PEAK DEMAND:

On-Peak Demand is the kw to the nearest whole kw, as determined from the Company's metering equipment, for a 30-minute period of Customer's greatest use for the designated on-peak periods during the month as adjusted for power factor.

MAXIMUM DEMAND:

Maximum Demand shall be the greater of the current month's demand whenever it occurs or the highest demand for the prior twenty-three (23) months. A Customer's Maximum Demand may be re-established to allow for the following adjustments:

1. Demand reduction resulting from the installation of FPL Demand Side Management Measures or FPL Research Project efficiency measures; or
2. Demand reductions resulting from the installation of other permanent and quantifiable efficiency measures, upon verification by FPL; or
3. Permanent changes to customer facilities that result in a permanent loss of electric load, including any fuel substitution resulting in permanently reduced electricity consumption, upon verification by FPL.

The re-established Maximum Demand shall be the higher of the actual demand registered in the next billing period following the Customer's written request or the prior Maximum Demand minus the calculated demand reduction. Request to re-establish the Maximum Demand may be processed up to twice per calendar year when more than one efficiency measure is installed or where the same efficiency measure is installed in phases.

CALCULATION OF FIRM DEMAND AND LOAD CONTROL ON-PEAK DEMAND

There will be two methods of calculating the Firm Demand and Load Control On-Peak Demand for the Customer, depending on the type of demand designated in the Commercial/Industrial Load Control Program Agreement.

THIS SECTION IS APPLICABLE TO CUSTOMERS DESIGNATING A FIRM DEMAND LEVEL:**FIRM ON-PEAK DEMAND:**

The Customer's monthly Firm On-Peak Demand shall be the lesser of the "Firm Demand" level specified in the Customer's Commercial/Industrial Load Control Program Agreement with the Company, or the Customer's highest on-peak demand during the month. The level of "Firm Demand" specified in the Customer's Commercial/Industrial Load Control Program Agreement shall not be exceeded during the periods when the Company is controlling the Customer's load.

(Continued on Sheet No. 8.654)

(Continued from Sheet No. 8.653)

LOAD CONTROL ON-PEAK DEMAND:

Load Control On-Peak Demand shall be the Customer's highest demand for the designated on-peak periods during the month less the Customer's "Firm Demand".

PROVISIONS FOR ENERGY USE DURING CONTROL PERIODS FOR CUSTOMERS DESIGNATING A FIRM DEMAND LEVEL:

Customers notified of a load control event should meet their Firm Demand during periods when the Company is controlling load. However, energy will be made available during control periods if the Customer's failure to meet its Firm Demand is a result of one of the following conditions:

1. Force Majeure events (see Definitions) which can be demonstrated to the satisfaction of the Company, or
2. maintenance of generation equipment necessary for the implementation of load control which is performed at a pre-arranged time and date mutually agreeable to the Company and the Customer (See Special Provisions), or
3. adding firm load that was not previously non-firm load to the Customer's facility, or
4. an event affecting local, state or national security, or
5. an event whose nature requires that space launch activities be placed in the critical mode (requiring a closed-loop configuration of FPL's transmission system) as designated and documented by the NASA Test Director at Kennedy Space Center and/or the USAF Range Safety Officer at Cape Canaveral Air Force Station.

The Customer's energy use (in excess of the "Firm Demand") for the conditions listed above will be billed pursuant to the Continuity of Service Provision. For periods during which power under the Continuity of Service Provision is no longer available, the Customer will be billed, in addition to the normal charges provided hereunder, the greater of the Company's As-Available Energy cost, or the most expensive energy (calculated on a cents per kilowatt-hour basis) that FPL is purchasing or selling during that period, less the applicable class fuel charge. As-Available Energy cost is the cost calculated for Schedule COG-1 in accordance with FPSC Rule 25-17.0825, F.A.C.

If the Company determines that the Customer has utilized one or more of the exceptions above in an excessive manner, the Company will terminate service under this rate schedule as described in TERM OF SERVICE.

If the Customer exceeds the "Firm Demand" during a period when the Company is controlling load for any reason other than those specified above, then the Customer will be:

1. billed the difference between the Firm On-Peak Demand Charge and the Load Control On-Peak Demand Charge for the excess kw for the prior sixty (60) months or the number of months the Customer has been billed under this rate schedule, whichever is less, and
2. billed a penalty charge of \$1.00 per kw of excess kw for each month of rebilling.

Excess kw for rebilling and penalty charges is determined by taking the difference between the maximum demand during the Load Control Period and the Customer's "Firm Demand". For rebilling under paragraph 1 above, where Firm kw is <10 kw, the maximum demand during the Load Control Period shall be adjusted by the difference between 10 kw and Firm kw. The Customer will not be rebilled or penalized twice for the same excess kw in the calculation described above.

(Continued on Sheet No. 8.655)

(Continued from Sheet No. 8.654)

THIS SECTION IS APPLICABLE TO CUSTOMERS DESIGNATING A CONTROLLABLE DEMAND LEVEL.

FIRM ON-PEAK DEMAND:

The Customer's monthly Firm On-Peak Demand shall be the On-Peak Demand during the month less the "Controllable Demand" level specified in the Customer's Commercial/Industrial Load Control Program Agreement with the Company.

LOAD CONTROL ON-PEAK DEMAND:

Load Control On-Peak Demand shall be the "Controllable Demand" level specified in the Customer's Commercial/Industrial Load Control Program Agreement with the Company.

PROVISIONS FOR ENERGY USE DURING CONTROL PERIODS FOR CUSTOMERS DESIGNATING A CONTROLLABLE DEMAND LEVEL.

Customers notified of a load control event should achieve the Controllable Demand Level during periods when the Company is controlling load, except under the following conditions:

1. Force Majeure events (see Definitions) which can be demonstrated to the satisfaction of the Company, or
2. maintenance of generation equipment necessary for the implementation of load control which is performed at a pre-arranged time and date mutually agreeable to the Company and the Customer (See Special Provisions), or
3. adding firm load that was not previously non-firm load to the Customer's facility, or
4. an event affecting local, state or national security, or
5. an event whose nature requires that space launch activities be placed in the critical mode (requiring a closed-loop configuration of FPL's transmission system) as designated and documented by the NASA Test Director at Kennedy Space Center and/or the USAF Range Safety Officer at Cape Canaveral Air Force Station.

The Customer's energy use (in excess of the "Firm Demand") for the conditions listed above will be billed pursuant to the Continuity of Service Provision. For periods during which power under the Continuity of Service Provision is no longer available, the Customer will be billed, in addition to the normal charges provided hereunder, the greater of the Company's As-Available Energy cost, or the most expensive energy (calculated on a cents per kilowatt hour basis) that FPL is purchasing or selling during that period, less the applicable class fuel charge. As-Available Energy cost is the cost calculated for Schedule COG-1 in accordance with FP&C Rule 25-17.0825, F.A.C.

If the Company determines that the Customer has utilized one or more of the exceptions above in an excessive manner, the Company will terminate service under this rate schedule as described in TERM OF SERVICE.

If the Customer does not achieve the Controllable Demand level during a period when the Company is controlling load for any reason other than those specified above, then the Customer will be:

1. billed the difference between the Firm On-Peak Demand Charge and the Load Control On-Peak Demand Charge for the rebilling kv for the prior sixty (60) months or the number of months the Customer has been billed under this rate schedule, whichever is less, and

(Continued on Sheet No. 8.656)

(Continued from Sheet No. 8.655)

2. billed a penalty charge of \$1.00 per kw of excess kw for each month of rebilling.

The kw for rebilling and penalty charges is determined by taking the difference between the Controllable Demand and the maximum demand actually reduced during the Load Control Period. For rebilling under paragraph 1 above, where Firm kw is <10 kw, the maximum demand during the Load Control Period shall be adjusted by the difference between 10 kw and Firm kw. The Customer will not be rebilled or penalized twice for the same excess kw in the calculation described above.

As long as the Customer's load reduction from the operation of the control circuit results in a demand during the control period that is at or below the calculated Firm Demand for that billing period, the Customer will not be required to pay the penalty and rebilling charges.

TERM OF SERVICE:

During the first year of service under this schedule, the Customer will determine whether or not this program is appropriate for the Customer and may request to exit the program subject to the Provisions for Early Termination. It is intended that the Company will continue to provide and the Customer will continue to take service under this rate schedule for the life of the generating unit which has been avoided by the rate. There is, however, a five-year termination notice provision which will allow either the Customer or the Company to terminate service under this schedule should there be circumstances under which the termination of the Customer's participation or the Company's offering of the program is desired.

Service under this rate schedule shall continue, subject to Limitation of Availability, until terminated by either the Company or the Customer upon written notice given at least five (5) years prior to termination. Should a Customer terminate service or be removed by the Company and later desire to resume service under this rate schedule, the Customer must provide five (5) years' written notice prior to resuming service under this schedule.

The Company may terminate service under this rate schedule at any time for the Customer's failure to comply with the terms and conditions of this rate schedule or the Commercial/Industrial Load Control Program Agreement. Prior to any such termination, the Company shall notify the Customer at least ninety (90) days in advance and describe the Customer's failure to comply. The Company may then terminate service under this rate schedule at the end of the 90-day notice period unless the Customer takes measures necessary to eliminate, to the Company's satisfaction, the compliance deficiencies described by the Company. Notwithstanding the foregoing, if, at any time during the 90-day period, the Customer either refuses or fails to initiate and pursue corrective action, the Company shall be entitled to suspend forthwith the monthly billing under this rate schedule and bill the Customer under the otherwise applicable firm service rate schedule.

PROVISIONS FOR EARLY TERMINATION:

Transfers, with less than five (5) years' written notice, to any firm retail rate schedule for which the Customer would qualify, may be permitted if it can be shown that such transfer is in the best interests of the Customer, the Company and the Company's other customers.

If the Customer no longer wishes to receive electric service in any form from the Company, or decides to cogenerate to serve all of the previously controlled Load Control On-Peak Demand and to take interruptible standby service from the Company, the Customer may terminate the Commercial/Industrial Load Control Program Agreement by giving at least thirty (30) days' advance written notice to the Company.

(Continued on Sheet No. 8.657)

(Continued from Sheet No. 8.656)

If service under this schedule is terminated for any reason, the Customer will not be rebilled as specified in Charges for Early Termination If:

- a. it has been demonstrated to the satisfaction of the Company that the impact of such transfer of service on the economic cost-effectiveness of the Company's CILC program is in the best interests of the Customer, the Company and the Company's other customers, or
- b. the Customer is required to transfer to another retail rate schedule as a result of Commission Rule 25-6.0438, F.A.C., or
- c. the termination of service under this rate schedule is the result of either the Customer's ceasing operations at its facility (without containing or establishing similar operations elsewhere in the Company's service area), or a decision by the Customer to cogenerate to serve all of the previously controlled Load Control On-Peak Demand and to take interruptible standby service from the Company, or
- d. any other Customer(s) with demand reduction equivalent to, or greater than, that of the existing Customer(s) agreed(s) to take service under this schedule and the MW demand reduction commitment to the Company's Generation Expansion Plan has been met and the new replacement Customer(s) has (have) the equipment installed and is (are) available to perform load control, or
- e. FPL determines that the Customer's MW reduction is no longer needed in accordance with the FPL Numeric Commercial/Industrial Conservation Goals.

In the event the Customer pays the Charges for Early Termination because no replacement Customer(s) is (are) available as specified in paragraph d. above, but the replacement Customer(s) does/does become available within 12 months from the date of termination of service under this schedule or FPL later determines that there is no need for the MW reduction in accordance with the FPL Numeric Commercial/Industrial Conservation Goals, then the Customer will be refunded all or part of the rebilling and penalty in proportion to the amount of MW obtained to replace the lost capacity less the additional cost incurred by the Company to serve those MW during any load control periods which may occur before the replacement Customer(s) became available.

Charges for Early Termination:

In the event that:

- a) service is terminated by the Company for any reason(s) specified in this section, or
- b) there is a termination of the Customer's existing service and, within twelve (12) months of such termination of service, the Company receives a request to re-establish service of similar character under a firm service or a curtailable service rate schedule, or under this schedule with a shift from non-firm load to firm service.
 - i) at a different location in the Company's service area, or
 - ii) under a different name or different ownership, or
 - iii) under other circumstances whose effect would be to increase firm demand on the Company's system without the requisite five (5) years' advance written notice, or
- c) the Customer transfers the controllable portion of the Customer's load to "Firm Demand" or to a firm or a curtailable service rate schedule without providing at least five (5) years' advance written notice.

(Continued on Sheet No. 8.658)

(Continued on Sheet No. 8.657)

then the Customer will be:

1. rebilled under the otherwise applicable firm or curtailable service rate schedule for the shorter of (a) the most recent prior sixty (60) months during which the Customer was billed for service under this rate schedule, or (b) the number of months the Customer has been billed under this rate schedule, and
2. billed a penalty charge of \$1.00 per kw times the number of months rebilled in No. 1 above times the highest Load Control On-Peak Demand occurring during the current month or the prior twenty-three (23) months.

SPECIAL PROVISIONS:

1. Control of the Customer's load shall be accomplished through the Company's load management systems by use of control circuits connected directly to the Customer's switching equipment or the Customer's load may be controlled by use of an energy management system where the firm demand or controllable demand level can be established or modified only by means of joint access by the Customer and the Company.
2. The Customer shall grant the Company reasonable access for installing, maintaining, inspecting, testing and/or removing Company-owned load control equipment.
3. It shall be the responsibility of the Customer to determine that all electrical equipment to be controlled is in good repair and working condition. The Company will not be responsible for the repair, maintenance or replacement of the Customer's electrical equipment.
4. The Company is not required to install load control equipment if the installation cannot be economically justified.
5. Billing under this schedule will commence after the installation, inspection and successful testing of the load control equipment.
6. Maintenance of generation equipment necessary for the implementation of load control will not be scheduled during periods where the Company projects that it would not be able to withstand the loss of its largest unit and continue to serve firm service customers.

CONTINUITY OF SERVICE PROVISION:

In order to minimize the frequency and duration of interruptions or requests that the Customer operate its backup generation equipment, the Company will attempt to obtain reasonably available additional capacity and/or energy during periods for which interruptions or operation of the Customer's backup generation equipment may be requested. The Company's obligation in this regard is no different than its obligation in general to purchase power to serve its Customers during a capacity shortage; in other words, the Company is not obligated to account for, or otherwise reflect in its generation planning and construction, the possibility of providing capacity and/or energy under this Continuity of Service Provision. Any non-firm customers so electing to receive capacity and/or energy which enable(s) the Company to continue service to the Customer's non-firm loads during these periods will be subject to the additional charges set forth below.

(Continued on Sheet No. 8.659)

(Continued from Sheet No. 8.658)

In the event a Customer elects not to have its non-firm load interrupted pursuant to this Schedule, the Customer shall pay, in addition to the normal charges provided hereunder, a charge reflecting the additional costs incurred by the Company in continuing to provide service, less the applicable class fuel charge for the period during which the load would otherwise have been controlled (see Sheet No. 8.830). This incremental charge shall apply to the non-firm customer for all consumption above the Customer's Firm Demand during the time in which the non-firm load would otherwise have been controlled. If, for any reason during such period, this capacity and/or energy is (are) no longer available or cannot be accommodated by the Company's system, the terms of this Special Provision will cease to apply and interruptions will be required for the remainder of such period unless energy use is for one of the conditions outlined under "Provisions for Energy Use During Control Periods".

Any customer served under this rate schedule may elect to minimize the interruptions through the procedure described above. The initial election must be made in the Commercial/Industrial Load Control Program Agreement. Any adjustment or change to the election must be provided to the Company with at least 24 hours' written notice (not including holidays and weekends) and must be by mutual agreement, in writing, between the Customer and the Company. In such case, the written notice will replace any prior election with regard to this Continuity of Service Provision.

RULES AND REGULATIONS:

Service under this schedule is subject to orders of governmental bodies having jurisdiction and to the currently effective "General Rules and Regulations for Electric Service" on file with the Florida Public Service Commission. In case of conflict between any provision(s) of this schedule and said "General Rules and Regulations for Electric Service", the provision(s) of this schedule shall apply.

DEFINITIONS:

Generating Capacity Emergency:

A Generating Capacity Emergency exists when any one of the electric utilities in the state of Florida has inadequate generating capability, including purchased power, to supply its firm load obligations.

Force Majeure:

Force Majeure for the purposes of this schedule means causes not within the reasonable control of the Customer affected and not caused by the negligence or lack of due diligence of the Customer. Such events or circumstances may include acts of God, strikes, lockouts or other labor disputes or difficulties, wars, blockades, insurrections, riots, environmental constraints lawfully imposed by Federal, State, or local governmental bodies, explosions, fires, floods, lightning, wind, accidents to equipment or machinery, or similar occurrences.

Backup Generation Equipment:

Backup generation equipment shall be Customer-provided generation equipment and switch gear. This generation equipment will be utilized for emergency purposes, including periods when the Company is controlling load.

Appendix B

Commercial/Industrial Load Control Program Agreement

COMMERCIAL/INDUSTRIAL LOAD CONTROL PROGRAM AGREEMENT

This Agreement is made this _____ day of _____, 19____, by and between _____ (hereinafter called the "Customer"), located at _____ in _____ Florida, and FLORIDA POWER & LIGHT COMPANY, a corporation organized under the laws of the State of Florida (hereinafter called the "Company").

WITNESSETH

For and in consideration of the mutual covenants and agreements expressed herein, the Company and the Customer agree as follows:

1. The Company agrees to furnish and the Customer agrees to take electric service subject to the terms and conditions of the Company's Commercial/Industrial Load Control Program Schedule CILC-1 ("Schedule CILC-1") as currently approved or as may be modified from time to time by the Florida Public Service Commission ("Commission"). The Customer understands and agrees that, whenever reference is made in this Agreement to Schedule CILC-1, both parties intend to refer to Schedule CILC-1 as it may be modified from time to time. A copy of the Company's presently approved Schedule CILC-1 is attached hereto as Exhibit A and is hereby made an integral part of this Agreement.
2. Service under Schedule CILC-1 shall continue, subject to Limitation of Availability, until terminated by either the Company or the Customer upon written notice given at least five (5) years prior to termination. Should the Customer terminate service or be removed by the Company and later desire to resume service under Schedule CILC-1, the Customer must provide five (5) years' written notice prior to resuming service under Schedule CILC-1.
3. Service under Schedule CILC-1 will be subject to determinations made under Commission Rules 25-17.0021(4), F.A.C. Goals for Electric Utilities and 25-6.0438, F.A.C., Non-Firm Service - Terms and Conditions, or any other Commission determination(s).
4. The Customer agrees either (i) to not exceed a usage level of _____ kw ("Firm Demand") during the periods when the Company is controlling the Customer's service, or (ii) to provide a load reduction of _____ kw ("Controllable Demand") during periods when the Company is controlling the Customer's service. If the Customer chooses to operate backup generation equipment in parallel with FPL, the Customer shall enter into an interconnection agreement with the Company prior to operating such equipment in parallel with the Company's electrical system. The "Firm Demand" level (as applicable) shall not be exceeded during periods when the Company is controlling load; nor shall the "Controllable Demand" level (as applicable) be reduced during periods when the Company has requested that the Customer operate its equipment to meet the "Controllable Demand" level. Upon mutual agreement of the Company and the Customer, the Customer's "Firm Demand" or "Controllable Demand" may be subsequently raised or lowered, so long as the change in the "Firm Demand" or "Controllable Demand" level is not a result of a transfer of load from the controllable portion of the Customer's load. The Customer shall notify the Company, in writing, at least ninety (90) days prior to either adding firm load, or reducing or removing any of the Customer's backup generation equipment.

(Continued on Sheet No. 9.491)

(Continued from Sheet No. 9.490)

5. Prior to the Customer's receipt of service under Schedule CILC-1, the Customer must provide the Company access at any reasonable time to inspect any and all of the Customer's load control equipment and/or backup generation equipment, and must also have received approval from the Company that the load control equipment is satisfactory to effect control of the Customer's load, and/or the backup generation equipment is satisfactory to contribute to the Controllable Demand level. The Customer shall be responsible for meeting any applicable electrical code standards and legal requirements pertaining to the installation, maintenance and repair of the load control and/or backup generation equipment. It is expressly understood that the initial approval and later inspections by the Company are not for the purpose of, and the Customer is not to rely upon any such inspection(s) for, determining whether the load control and/or backup generation equipment has been adequately maintained or is in compliance with any applicable electrical code standards or legal requirements.
6. The Customer agrees to be responsible for the determination that all electrical equipment to be controlled and/or backed up is in good repair and working condition. The Company shall not be responsible for the repair, maintenance or replacement of the Customer's equipment.
7. Within two (2) years of this Agreement, the Customer agrees (i) to perform the necessary changes to allow control of a portion of the Customer's load and/or (ii) to install or have in place backup generation equipment to contribute to the Controllable Demand level. Schedule CILC-1 cannot apply earlier than this date unless the Company so agrees. Should the Customer fail to complete the above work by the above-specified date, or should the Customer fail to begin taking service under Schedule CILC-1 during that year, this Agreement shall become null and void unless otherwise agreed by the Company.
8. Upon completion of the installation of the load control equipment and/or any necessary backup generation equipment, a test of this equipment will be conducted between the hours of 7 a.m. and 6 p.m. Monday through Friday, excluding holidays. Written notice of the test shall be provided to the Company at least five (5) business days in advance of the date of the test, and the Company shall be afforded the opportunity to witness the test. The test of the load control equipment will consist of a period of load control of not less than one hour. Effective upon the completion of the testing of the load control equipment and/or the backup generation equipment, the Customer will agree (as applicable) to either a "Firm Demand" or a "Controllable Demand". Service under Schedule CILC-1 cannot commence prior to the installation of load control equipment or any necessary backup generation equipment and the successful completion of the test.
9. In order to minimize the frequency and duration of interruptions under the CILC Program, the Company will attempt to obtain reasonably available additional capacity and/or energy under the Continuity of Service Provision in Schedule CILC-1. The Customer ~~elects/does not elect~~ to continue taking service under the Continuity of Service Provision. Service will be provided only if capacity and/or energy can be obtained by the Company and can be transmitted and distributed to non-firm Customers without any impairment of the Company's system or service to firm Customers. The Customer may countermand the election specified above by providing written notice to the Company pursuant to the guidelines set forth in Schedule CILC-1. The Company's obligations under this Section 9 are subject to the terms and conditions specifically set forth in Schedule CILC-1.

(Continued on Sheet No. 9.492)

(Continued from Sheet No. 9.491)

10. The Company may terminate this Agreement at any time if the Customer's load control equipment fails to permit the Company to effect control of the Customer's load, and/or if the Customer's equipment fails to meet the Controllable Demand level. Prior to any such termination, the Company shall notify the Customer at least ninety (90) days in advance and describe the failure or malfunction of the Customer's load control equipment and/or backup generation equipment. The Company may then terminate this Agreement at the end of the 90-day notice period unless the Customer takes measures necessary to remedy, to the Company's satisfaction, the deficiencies in the load control equipment and/or the backup generation equipment. Notwithstanding the foregoing, if at any time during the 90-day period, the Customer either refuses or fails to initiate and pursue corrective action, the Company shall be entitled to suspend forthwith the monthly billing under the Schedule CILC-1, to bill the Customer under the otherwise applicable firm service rate schedule and to apply the rebilling and penalty provisions enumerated under "Charges for Early Termination" in Schedule CILC-1.
11. The Customer agrees that the Company will not be liable for any damages or injuries that may occur as a result of control of electric service pursuant to the terms of Schedule CILC-1 by remote control or otherwise, and/or installation, operation or maintenance of the Customer's generation equipment to meet the Controllable Demand level.
12. This Agreement supersedes all previous agreements and representations, either written or oral, heretofore made between the Company and the Customer with respect to matters herein contained.
13. This Agreement may not be assigned by the Customer without the prior written consent of the Company. The Customer shall, at a minimum, provide to the Company a copy of the articles of incorporation or partnership agreement of the proposed assignee, and a copy of such assignee's most recent annual report at the time an assignment is requested.
14. This Agreement is subject to the Company's "General Rules and Regulations for Electric Service" and the Rules of the Commission.

IN WITNESS WHEREOF, the Customer and the Company have caused this Agreement to be duly executed as of the day and year first above written.

CUSTOMER (private)

Company: _____

Signed: _____

Name: _____

Title: _____

CUSTOMER (public)

Governmental Entity: _____

Signed: _____

Name: _____

Title: _____

FLORIDA POWER & LIGHT COMPANY

Signed: _____

Name: _____

Title: _____

Attest:

By: _____

Clerk/Deputy Clerk



Commercial/Industrial Efficient Motors

Program Standards

Submitted: October 18, 1995

Effective: March 1, 1996

**Florida Power & Light Company
Commercial/Industrial Efficient Motors
Program Standards**

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Florida Power & Light Company Commercial/Industrial Efficient Motors Program Standards

Program Objectives

The objective of the Commercial/Industrial Efficient Motors (CIEM) Program is to reduce the current and future growth of coincident peak demand and energy consumption by encouraging qualified FPL customers to purchase premium efficiency electric motors when installing a new motor or replacing an existing one. The purpose of these standards is to explain the various requirements necessary to qualify for program rebates.

Customer Eligibility

The CIEM Program is only available to FPL commercial and industrial customers whose eligible facilities are on FPL's GS rate at the time of participation, and applies to both new and retrofit motor applications.

An eligible facility is any customer owned facility which receives three phase power and has or will have an alternating current (AC), electric, three phase motor(s) as part of its permanently connected load. To be eligible, the facility must also be served by FPL and be located within FPL's service territory.

Trade Ally Eligibility

A CIEM program participating independent trade ally is defined as a motor manufacturer, distributor, wholesale or retail outlet from whom eligible FPL customers can purchase qualifying three phase motors and who have a signed Demand Side Management (DSM) program agreement with FPL. This agreement allows the trade ally to be listed in the list of participating independent trade allies which will be given to FPL commercial and industrial customers requesting program trade ally information. In addition, participating independent trade allies will be allowed to fill out CIEM rebate certificates for customers, and have the choice of helping the customer obtain the rebate directly from FPL or offering the customer the rebate up front at the time of purchase. With the up front rebate option, the participating independent trade ally is reimbursed directly for the rebate amount plus an additional per transaction processing fee from FPL.

Trade allies must sign a DSM program agreement prior to participating in the CIEM program.

Motor wholesale/retail outlets (Outlets) may be asked to allow FPL to place a point of sales display(s) for the program in a prominent location on their sales counter area. The display will contain technical and sales literature on operating cost comparisons and will house program material to be provided by FPL. The display(s) and its contents are and

will remain the property of FPL. FPL personnel shall have free access to the display(s).

Equipment Eligibility

To qualify, the motor must be an AC, three phase electric, Design B, Induction motor. It shall be of a horse power (HP) size between 1 HP and 25 HP. Fractional HP motors smaller than 1 HP and motors which cannot be independently removed or replaced from an assembly or system do not qualify for this program.

The motor being purchased must have a nominal full load efficiency which meets or exceeds the latest minimum qualifying nominal full load efficiency values published by FPL (See Appendix A). The motor's nominal full load efficiency shall be stamped on the motor nameplate. Motor efficiency shall be determined in accordance with the National Electrical Manufacturers Association (NEMA) approved, Institute of Electronic and Electrical Engineers (IEEE) 112 Test Method B.

FPL reserves the right to adjust the qualifying minimum full load efficiencies at any time to reflect changes in standards, technologies, and industry regulations.

To qualify a motor(s) must also be new and cannot have been previously installed or used. Rewound, reconditioned or refurbished motors do not qualify for this program.

Participation Requirements

Utility Customer Requirements

To become a program participant, eligible customers must have received a CIEM rebate certificate(s) prior to the purchase of a qualifying motor(s). These customers will receive CIEM rebate certificates for redemption before the purchase of a qualifying motor purchase in one of three ways:

- a. Direct mail from FPL; or
- b. As a result of a "Commercial/Industrial Business Energy Evaluation" recommendation; or
- c. From a CIEM program independent participating trade ally.

The qualifying motor(s) must be purchased and installed at the eligible facility on or after the effective date of these standards. Qualifying motors do not have to be purchased from a CIEM program independent participating trade ally. However, only a CIEM program independent participating trade ally can offer an up front rebate.

The motor being installed should be of the proper design and size for its intended application at the eligible facility and must be installed and operated in accordance with the manufacturer's recommendations and specifications for the intended application.

The participating customer must provide documentation authenticating the purchase of the motor. This shall be provided on the motor Outlet's invoice or letterhead and will include the following information at a minimum:

- a) Description of the motor (Manufacturer, Model Number, Equivalent HP Size, Housing, RPM, and Voltage);
- b) Nominal full load (NEMA) efficiency of the motor;
- c) Purchase price of the motor;
- d) Place and date of purchase;
- e) Proof of purchase;
- f) Customer's name, address, contact person and phone number.

Program participants do not need to participate in the "Commercial/Industrial Business Energy Evaluation Program".

Trade Ally Requirements

For FPL customers presenting a CIEM rebate certificate at the time of purchase, the trade ally shall offer the customer either an up-front rebate at the time of sale or instruct the customer to redeem the rebate certificate directly with FPL.

For customers requesting to participate in the program, but who do not have a CIEM rebate certificate in their possession at the time of purchase, the trade ally shall provide a blank CIEM rebate certificate and instruct the customer to redeem the rebate certificate directly from FPL.

If a CIEM rebate certificate is to be redeemed directly from FPL, the trade ally shall instruct the customer to complete the program rebate certificate with the pertinent information based on the customer's purchase of a qualifying premium efficiency motor(s). The trade ally shall instruct the customer to mail the completed certificate(s) and supporting documentation to FPL for reimbursement. The trade ally shall provide the customer with the required documentation in accordance with the "Utility Customer Requirements" section above which will authenticate the purchase of the new motor(s) and which will be attached to the rebate certificate(s). The trade ally must advise the customer that a representative from FPL may contact them to inspect and verify installation of the motor.

If the trade ally opts to offer an up-front rebate at the time of sale, the trade ally shall, upon receiving a CIEM rebate certificate from the customer, deduct the appropriate rebate amount from the purchase price of the qualifying motor being purchased and show the actual price paid by the customer on the invoice and the rebate certificate. The trade ally shall fill out a "Rebate Reimbursement Form" and submit it with the attached required documentation, to FPL for reimbursement. The documentation shall be on the trade ally's letterhead, and shall authenticate the purchase(s) of the new motor(s), prove issuance of the up-front rebate(s), include each purchased motor's nominal full load efficiency and its purchase price, and include the customer supplied rebate certificate(s).

- For up front rebates, it will be the responsibility of the trade ally to determine that the type of motor being purchased meets the guidelines set forth in the "Equipment Eligibility" section of the most current CIEM Program Standards.
- The trade ally must advise the customer that a representative from FPL may contact them to inspect and verify installation of the motor.
- For up front rebates it will be the responsibility of the trade ally to see that the customer receives an invoice for the qualifying motor purchased which contains the following information as a minimum:
 - 1) Place and date of Purchase
 - 2) Customer Name, Installation Address, Contact Person and Phone Number.
 - 3) Description of the Motor (Manufacturer, Model Number, HP, Housing, RPM, and Voltage)
 - 4) Nominal Full Load (NEMA) Efficiency
 - 5) Purchase Price of Motor
 - 6) Itemized Deduction of Rebate Amount
 - 7) Balance Due from Customer
- The participating trade ally must retain a copy of the invoice, and log the following information into the Rebate Reimbursement Form;
 - 1) Customer Name
 - 2) Invoice Number
 - 3) Amount of Rebate
 - 4) Amount Paid by the Customer

A computer generated listing from the trade ally containing this information may be acceptable but must be pre-approved by FPL.
- To help offset the costs that the trade ally incurs in processing the CIEM rebates under the up-front rebate option, FPL shall reimburse the trade ally an additional dollar amount per qualifying motor purchased, as specified in the latest revision of Appendix B to these Standards .

FPL reserves the right to verify each installation for which a rebate certificate has been submitted or an up-front rebate has been issued.

FPL will be the final judge of whether the motor(s) purchased meets the requirements of the CIEM Program.

FPL reserves the right to modify or terminate the standards and procedures for this program at any time, subject to the Commission's approval.

Incentive Processing

Rebate certificates/rebate reimbursement forms are completed and submitted to FPL by the customer or trade ally in accordance with details provided in "Participation Requirements" above.

For qualifying motors submitted by a customer for a single rebate, the process is as follows:

FPL will receive the rebate certificate, verify eligibility, and review authenticating documentation. If the motor qualifies, all pertinent information will be entered into a database to track rebates. The customer may then be contacted for a site inspection to verify motor installation at the discretion of FPL.

After final verification, FPL will proceed with authorization for the rebate to be paid. The customer will receive a check for the amount shown for the purchased qualifying motor(s) in the latest revision of Appendix B to these Standards.

For rebates submitted by customers, one rebate certificate will be required per motor unless the motors are used at the same facility and the motors can be uniquely identified on the authenticating documentation provided by the customer.

For rebate reimbursement forms submitted by a trade ally for qualifying motors the process is as follows:

FPL will receive the reimbursement form, verify eligibility and review authenticating documentation for all qualifying motors submitted. For all qualifying motors, the pertinent information will be entered into a database to track rebates. Any customer to which an up-front rebate has been issued may be contacted for a site inspection to verify motor installation at the discretion of FPL.

After final verification, FPL will proceed with authorization for reimbursement to the trade ally for up-front rebates issued to FPL customers. The trade ally will receive one check for all qualifying motors submitted on a given Rebate Reimbursement Form. The amount given for each motor will be consistent with the then current rebate schedule (See Appendix B) . The trade ally will be eligible for a per qualifying motor processing fee reimbursement consistent with the then current rebate schedule (See Appendix B). This processing fee will be added to the total check amount issued to the trade ally.

Qualifying motor rebates shall not exceed the current rebate for that specific motor as shown on the rebate schedule at the time the rebate certificate is presented for redemption (See Appendix B).

Reporting Requirements

All program charges such as Payroll & Benefits, Material and Supplies, Outside Services, Advertising, Vehicles, Other and Incentives Costs shall be reported in both the Energy Conservation Cost Recovery True-Up and Projection filings, specifically through Schedules CT-2 and C-2 respectively.

Appendix A

Commercial/Industrial Efficient Motors Program

Minimum Qualifying Nominal Full Load Efficiencies

1 - 25 HP

Motor HP	Minimum† Nominal Full Load Efficiency L1*	Minimum† Nominal Full Load Efficiency L2	Minimum† Nominal Full Load Efficiency L3
1	82.5%	84.0%	85.5%
1.5	84.0%	85.3%	86.5%
2	84.0%	85.3%	86.5%
3	86.5%	88.0%	89.5%
5	87.5%	88.5%	89.5%
7.5	88.5%	89.8%	91.0%
10	89.5%	90.6%	91.7%
15	91.0%	91.7%	92.4%
20	91.0%	92.0%	93.0%
25	91.7%	92.7%	93.6%

† Qualifying Efficiencies Subject To Change Without Notice

* Level 1 Efficiencies and Rebates apply to RETROFIT APPLICATIONS ONLY. NEW CONSTRUCTION must meet or exceed Level 2 Efficiencies shown to be eligible for rebate.

Appendix B

Commercial/Industrial Efficient Motors Program Rebate Schedule For Qualifying Motors 1 - 25 HP

	Minimum[†] Nominal Full Load Efficiency L1*	Minimum[†] Nominal Full Load Efficiency L2	Minimum[†] Nominal Full Load Efficiency L3
1 HP	\$9	\$12	\$15
1.5 HP	\$12	\$15	\$20
2 HP	\$12	\$15	\$20
3 HP	\$20	\$25	\$35
5 HP	\$30	\$35	\$45
7.5 HP	\$40	\$55	\$70
10 HP	\$50	\$70	\$85
15 HP	\$70	\$85	\$100
20 HP	\$80	\$110	\$135
25 HP	\$100	\$135	\$170

Outlet Processing Fee = \$1.00 Per Qualifying Motor Sold

[†] Qualifying Efficiencies Subject To Change Without Notice

* Level 1 Efficiencies and Rebates apply to RETROFIT APPLICATIONS ONLY. NEW CONSTRUCTION must meet or exceed Level 2 Efficiencies to be eligible for rebate.

Florida Power & Light Company Business On Call Program Program Standards

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Florida Power & Light Company Business On Call Program Program Standards

Program Objective

The objective of the Business On Call Program is to provide FPL with a means to reduce coincident peak demand on the FPL system, thus deferring the need for generation capacity additions. This program addresses FPL's General Service (GS) customers. Customers who choose to participate receive a credit on their monthly electrical bill in exchange for allowing FPL to remotely control the operation of specific equipment during times of high demand on the FPL system.

Customer Eligibility

The eligibility requirements for all commercial customers participating in the Business On Call Program are detailed in FPL's Rate Schedule GSL as shown in Appendix A. This information is specifically covered in the following sections of Rate Schedule GSL: "Available", "Application", "Service", "Limitation of Service", "Term of Service", and "Special Provisions".

Trade Ally Eligibility

The installation of Business On Call Program equipment at participating customers' facilities is performed by independent licensed electrical contractors. FPL selects the participating contractors, thru competitive bidding, who will perform Business On Call Program installations. Selected firms then install the equipment at participating customers' facilities at the agreed-upon price according to the specifications listed in the bid package, paid by FPL.

The bid package provided by FPL to contractors contains the following information:

- the contractor's obligations in dealing with FPL customers;
- the contractor's obligations regarding the operation of customers' appliances, and the installation and operation of Business On Call equipment;
- the contractor's responsibilities with regard to licensing by the State and municipalities;
- the contractor's requirements regarding insurance coverage;
- other technical and miscellaneous obligations of the contractor.

Equipment Eligibility

The Business On Call Program's specifications on equipment eligibility are described in FPL's Rate Schedule GSL in the "Application" and "Special Provisions" sections.

Participation Requirements

The customer's circuit to power the transponder must remain "on" at all times, in order for FPL to communicate with the equipment. If customer frequently turns "off" power to this circuit, then any appliance on that circuit will not be eligible for the program. To be eligible to participate, the customer's equipment must be powered from a 240 Volt or 208 Volt service and be compatible with the Business On Call equipment. Seasonal business operations are not eligible to participate, unless business operates during entire summer season. GS customers with demand meters will not be eligible to participate in the Business On Call Program until the program is available for GSD customers.

Customers who elect to participate in this program must have operating hours that include 3 p.m. to 5 p.m., a minimum of four days per week.

Incentive Processing

Participating customers receive credits on their monthly electrical bills, on the months specified for that equipment, whether their equipment is controlled that month or not. FPL processes the necessary paperwork to ensure that the correct credits appear on the participating customer's monthly electrical bill using the following general steps:

- 1) Once a customer has expressed interest in the Program, he/she is contacted by an FPL customer program representative who explains the program, equipment, and control options. The representative enters the information into FPL's Load Management Information System (LMIS).
- 2) A Transponder Change Order (installation order) is printed and is sent to an electrical contractor who contacts the customer and installs the load control equipment. (Note: Based on the field conditions, the equipment selected by the customer (i.e., air conditioner, etc.) may not be able to be connected to FPL's load control transponder(s)). The contractor completes the Transponder Change Order indicating what equipment and tonnage (BTUH) was actually connected to the load control transponder(s). The originals of these two documents, along with an installation invoice from the contractor, is returned to FPL.
- 3) Using the Transponder Change Order, the LMIS is updated with the:
 - a) FPL load control transponder(s) installed
 - b) Customer equipment connected to the transponder(s)
 - c) Date of installation

After the entry of the installation data, the LMIS initiates a transaction which generates a billing change record to FPL's Customer Accounting System and the FPL Load Management System Master Station, which is used to actually initiate control.

- 4) The Customer Accounting System changes the rate/rider of the customer from 2/68 to 2/68/1 or 2/68/2. The Customer Accounting System calculates the credits due and applies load control credits on a monthly basis, starting with the customer's next bill, until a change in the billing record is generated through the LMIS or the customer's account becomes inactive. The initial months credit is prorated based on the number of days in the billing period from the date of remote inspection/activation of the equipment (approximately 2 weeks after installation).

A participating customer will not receive the full dollar amount of the credit he/she is otherwise applicable for, if the customer's usage for that month is especially low. A description of the calculation used in such circumstances is found in FPL's Rate Schedule GSL at the end of the "Monthly Credit" section. This adjustment is made to ensure, to the extent practical, that a customer's billing credits are commensurate with the demand reduction that customer could have provided to the FPL system during the past month.

Reporting Requirements

All program charges such as Payroll & Benefits, Material and Supplies, Outside Services, Advertising, Vehicles, Other, and Incentives Costs shall be reported by both the Energy Conservation Cost Recovery True-Up and Projections, specifically through Schedules CT-2 and C-2 respectively.

Definitions

- **Transponder** = Business On Call Program equipment used to control participating appliances.
- **Transponder Change Order (TCO)** = Form used as a request for equipment installation at a customers facility.

Appendix A

GENERAL SERVICE LOAD MANAGEMENT PROGRAM
(FPL "BUSINESS ON CALL" PROGRAM)

SCHEDULE: GSL**AVAILABLE:**

Available only within the geographic areas served by the Company's Load Management system.

APPLICATION:

To customers receiving service under Rate Schedule GS-1 who elect to participate in this program, who utilize direct expansion central electric air conditioning and have operating hours that include 3 p.m. to 5 p.m., a minimum of four weekdays per week.

SERVICE:

The same as specified in Rate Schedule GS-1.

LIMITATION OF SERVICE:

The same as specified in Rate Schedule GS-1. Central electric air conditioning equipment shall be interrupted at the option of the Company by means of load management equipment installed on the Customer's premises.

MONTHLY CREDIT:

Customers receiving service under this schedule will receive a credit on the monthly bill as follows:

<u>DEVICE</u>	<u>APPLICABILITY</u>	<u>CREDIT</u>
Central electric air conditioning	April - October	\$2 per ton of air conditioning

The total monthly credit shall not exceed 40 percent of the Rate Schedule GS-1 non-fuel energy charge actually incurred for the month and no credit will be applied to reduce the minimum bill specified on Rate Schedule GS-1.

The air conditioning tonnage will be calculated by dividing the name plate BTU rating by 12,000 BTUs per ton. The tonnage will then be rounded to the nearest half-ton to calculate the monthly credit amount.

INTERRUPTION SCHEDULE:

The Customer's participating central electric air conditioning equipment will be interrupted only during the following period, except under emergency conditions:

April 1 through October 31: 2 p.m. to 10 p.m.

Central electric air conditioning equipment may be interrupted an accumulated total of 15 minutes during any 30-minute period with a cumulative interruption time of up to 180 minutes per day.

The limitations on interruptions of central electric air conditioning equipment shall not apply during emergencies on the Company's system or to interruptions caused by force majeure or other causes beyond the control of the Company.

(Continued on Sheet No. 8.110)

(Continued from Sheet No. 8.109)

TERM OF SERVICE:

A Customer may discontinue service under this schedule by giving the Company seven (7) day's advance notice. If the Customer requests to be removed from participation in the program, the Customer will be ineligible to participate again in the program for one year (12 months) from the time participation ended.

SPECIAL PROVISIONS:

1. The Company shall not be required to install load management equipment if the installation cannot be economically justified for reasons such as: excessive installation costs, oversized/undersized cooling equipment or abnormal utilization of equipment, including limited occupancy locations, or poorly maintained equipment.
2. Billing under this schedule will commence upon the installation and inspection of the load management equipment.
3. Multiple units of central air conditioning equipment must all be connected with load management equipment to qualify for credit. In such circumstances, total tons of cooling equipment will be used to determine the total credit.
4. Installation of the load management equipment in the Customer's facility is to be the sole responsibility of a licensed, independent contractor. The Customer agrees that the Company will not be liable for any damages or injuries that may occur as a result of the interruption or restoration of electric service pursuant to the terms of this schedule.
5. If the Company determines that the Customer no longer uses the appliance(s) signed up for program participation, the Company has the right to discontinue service under this schedule.
6. The Customer shall give the Company and the licensed, independent contractor reasonable access for installing, maintaining, testing and removing the Company's load management equipment, and for verifying that the equipment effectively controls the Customer's appliance(s) as intended by this schedule.
7. If the Company determines that the effect of equipment interruptions has been offset by the Customer's use of supplementary or alternative electrical equipment, service under this schedule may be discontinued and the Customer may be billed for all prior load management credits received by the Customer from an established date upon which supplementary or alternative electrical equipment was used. If such a date cannot be established, rebilling shall be for all load management incentive payments previously received by the Customer.
8. If the Company determines that its load management equipment on the Customer's premises has been rendered ineffective due to tampering by the use of mechanical, electrical or other devices or actions, the Company may discontinue the Customer's participation in the program and bill for all expenses involved in removal of the load management equipment, plus applicable investigative charges. The Company may rebill all prior load management credits received by the Customer from an established tampering date. If such a date cannot be established, rebilling shall be for the previous twelve months.

Appendix B

**LOAD CONTROL TRANSPONDER CHANGE ORDER (TCO)
WORK TYPE: 1 - NEW INSTALLATION**

CUSTOMER INFORMATION

PPID :
NAME :
ADDRESS :

ACCT NO -

METER :
AVERAGE KWH :
FRANCHISE :

SUBSTATION:

CONTACT INFORMATION:

HOME: - WORK: - BEST TIME TO CALL :
INTERVIEWED BY: TOLL FREE - WORK
INTERVIEW ASG DATE: COMPLETE DATE: CONTR ASG DATE:
RENT/OWN: _ AC _ HS _ HP _ SCHED _ WH _ PP _ PS _ WH SWH _ ATTIC WRK _

CONTRACTOR INFORMATION

CONTRACTOR:
NOTES:

TOLL FREE

OFFICE

.....CUSTOMER CONTACT ATTEMPT LOG.....

CALL	H/W	MM/DD	TIME	BY	CALL RESULTS	CALL	H/W	MM/DD	TIME	BY	CALL RESULTS
# 1	-	/		-		# 5	-	/		-	
# 2	-	/		-		# 6	-	/		-	
# 3	-	/		-		# 7	-	/		-	
# 4	-	/		-		# 8	-	/		-	

COMMENTS:

EQUIPMENT INFORMATION

FPL		L	O	SERIAL NUMBERS	PLACE THE LABEL BELOW H E R E	FPL SEAL NUMS	A W T O T R I K C(1)	PP SW WH SW (2)	P-0	P-1	P2
TRANSPONDER NUMBER	TYPE CODE	C									

INSTALLER INFORMATION

COMMENTS:

DATE INSTALLED: / /

BY:

APPLIANCE ENERGIZED & WORKING

ATTENTION LABELS INSTALLED

TEST SIGNAL LED/APPL/RESTORE

AC	HS	HP	WH	PP	PS



"On Call" Program

Program Standards

Submitted: October 18, 1995

Effective: March 1, 1996

Florida Power & Light Company On Call Program Program Standards

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Florida Power & Light Company On Call Program Program Standards

Program Objective

The objective of the On Call Program is to provide FPL with a means to reduce coincident peak demand on the FPL system, thus deferring the need for generation capacity additions. This program addresses FPL's residential customers. Customers who choose to participate receive a credit on their monthly electrical bill in exchange for allowing FPL to remotely control the operation of specific equipment during times of high demand on the FPL system.

Customer Eligibility

The eligibility requirements for all residential customers participating in the On Call Program are detailed in FPL's Rate Schedule RSL as shown in Appendix A. This information is specifically covered in the following sections of Rate Schedule RSL: "Available", "Application", "Service", "Limitation of Service", "Term of Service", and "Special Provisions".

Trade Ally Eligibility

The installation of On Call Program equipment at participating customers' homes is performed by independent licensed electrical contractors. FPL selects the participating contractors, through competitive bidding, who will perform On Call Program installations. Selected firms then install the On Call Program equipment at participating customers' homes at the agreed-upon price according to the specifications listed in the bid package, paid by FPL.

The bid package provided by FPL to contractors contains the following information:

- the contractor's obligations in dealing with FPL customers;
- the contractor's obligations regarding the operation of customers' appliances, and the installation and operation of On Call equipment;
- the contractor's responsibilities with regard to licensing by the State and municipalities;
- the contractor's requirements regarding insurance coverage;
- other technical and miscellaneous obligations of the contractor.

Equipment Eligibility

The On Call Program specifications on equipment eligibility are described in FPL's Rate Schedule RSL in the "Application" and "Special Provisions" sections.

Participation Requirements

The customer's circuit to power the transponder must remain "on" at all times, in order for FPL to communicate with the equipment. If customer frequently turns "off" power to this circuit, then any appliance on that circuit will not be eligible for the program.

To be eligible to participate, the customer's equipment must be powered from a 240 Volt or 208 Volt service and be compatible with the On Call equipment. Vacation or seasonal residences are not eligible for participation.

Incentive Processing

Participating customers receive credits on their monthly electrical bills whether their equipment is controlled that month or not. FPL processes the necessary paperwork to ensure that the correct credits appear on the participating customer's monthly electrical bill in the following general steps:

- 1) Once a customer has expressed interest in the Program, he/she is contacted by a FPL customer program representative who explains the program, equipment, and control options. The representative enters the information into FPL's Load Management Information System (LMIS).
- 2) A Transponder Change Order (installation order) is printed and is sent to an electrical contractor who then contacts the customer and installs the load control equipment. (Note: Based on the field conditions, all of the equipment selected by the customer (i.e., air conditioner, etc.) may not be able to be connected to FPL's load control transponder(s).) The contractor completes the Transponder Change Order indicating what equipment was actually connected to the load control transponder(s). The originals of these two documents, along with an installation invoice from the contractor, is returned to FPL.
- 3) Using the Transponder Change Order, the LMIS is updated with the:
 - a) FPL load control transponder(s) installed
 - b) Customer equipment connected to the transponder(s)
 - c) Date of installation

After the entry of the installation data, the LMIS initiates a transaction which generates a billing change record to FPL's Customer Accounting System and the FPL Load Management System Master Station, which is used to actually initiate control.

- 4) The Customer Accounting System changes the rate/rider of the customer from

1/44 to 1/44/1 or 1/44/2. The Customer Accounting System calculates the credits due and applies load control credits on a monthly basis, starting with the customer's next bill, until a change in the billing record is generated through the LMIS or the customer's account becomes inactive. The initial months credit is prorated based on the number of days in the billing period from the date of remote inspection/activation of the equipment (approximately 2 weeks after installation).

A participating customer will not receive the full dollar amount of the credit he/she is otherwise applicable for if the customer's usage for that month is especially low. A description of the calculation used in such circumstances is found in FPL's Rate Schedule RSL at the end of the "Monthly Credit" section. This adjustment is made to ensure, to the extent practical, that a customer's billing credits are commensurate with the demand reduction that customer could have provided to the FPL system during the past month.

Reporting Requirements

All program charges such as Payroll & Benefits, Material and Supplies, Outside Services, Advertising, Vehicles, Other, and Incentives Costs shall be reported by both the Energy Conservation Cost Recovery True-Up and Projections, specifically through Schedules CT-2 and C-2 respectively.

Definitions

- **Transponder** = On Call Program equipment used to control participating appliances.
- **Transponder Change Order (TCO)** = Form used as a request for equipment installation at a customers home.

Appendix A

RESIDENTIAL LOAD MANAGEMENT PROGRAM

(FPL "ON CALL" PROGRAM)

SCHEDULE: RSL

AVAILABLE:

Available only within the geographic areas served by the Company's Load Management System.

APPLICATION:

To Customers receiving service under Rate Schedule RS-1 who elect to participate in this program and who utilize at least one of the following installed electrical appliances on the premises:

1. Conventional electric water heater
2. Central electric air conditioning
3. Swimming pool pump (including pool sweeps as appropriate)
4. Central electric space heating*

*Central electric space heating systems alone are ineligible for program participation. These systems are eligible for program participation only when one or more of the other 3 appliances listed above is signed up for participation.

This schedule is not applicable for service to commonly-owned facilities of condominiums, cooperatives, or homeowners' associations.

SERVICE:

The same as specified in Rate Schedule RS-1.

LIMITATION OF SERVICE:

The same as specified in Rate Schedule RS-1. The specified electrical appliances shall be interrupted at the option of the Company by means of load management equipment installed on the Customer's premises.

MONTHLY CREDIT:

Customers receiving service under this schedule will receive a credit on the monthly bill as follows:

DEVICE (OPTION)	APPLICABILITY	CREDIT
1. Conventional electric water heater	Year-round	\$ 3.50
2. Central electric air conditioning (Option C)	April-October	\$ 6.00
3. Central electric air conditioning (Option S)	April-October	\$ 9.00
4. Swimming pool pump	Year-round	\$ 3.00
5. Central electric space heating (Option C)	November-March	\$ 2.00
6. Central electric space heating (Option S)	November-March	\$ 4.00

Total monthly credit shall not exceed 40 percent of the Rate Schedule RS-1 "energy charge" actually incurred for the month (if the Budget Billing plan is selected, actual energy charges will be utilized in the calculations, not the levelized charges) and no credit will be applied to reduce the minimum bill specified on Rate Schedule RS-1.

Note: Option C or Option S (listed below) may be selected for either central air conditioning or heating systems. If both appliance types are participating in the program, the same option must be selected.

(Continued on Sheet No. 8.208)

(Continued from Sheet No. 8.207)

INTERRUPTION SCHEDULES FOR ELECTRICAL APPLIANCES

The Customer's participating electrical appliances will be interrupted only during the following periods except under emergency conditions:

April 1 through October 31: 2 p.m. to 10 p.m.
November 1 through March 31: 5 a.m. to 11 a.m.
4 p.m. to 10 p.m.

The interruption schedules available for each appliance are as follows:

1. Conventional electric water heating equipment may be interrupted up to, but not to exceed, 240 minutes per day.
2. Central electric air conditioning equipment may be interrupted under one of the following options selected by the Customer:
Option C equipment may be interrupted an accumulated total of 15 minutes during any 30 minute period with a cumulative interruption time of up to 180 minutes per day.
Option S equipment may be interrupted up to, but not to exceed, 180 minutes per day.
3. Swimming pool pump equipment may be interrupted up to, but not to exceed, 240 minutes per day.
4. Central electric space heating equipment may be interrupted under one of the following options selected by the Customer:
Option C equipment may be interrupted an accumulated total of 15 minutes during any 30 minute period with a cumulative interruption time of up to 180 minutes per day.
Option S equipment may be interrupted up to, but not to exceed, 180 minutes per day.

The limitations on interruptions of electrical equipment shall not apply during emergencies on the Company's system or to interruptions caused by force majeure or other causes beyond the control of the Company.

TERM OF SERVICE:

During service under this schedule, a Customer may change interruption options or the selection of electrical appliances connected to the load management equipment or discontinue service under this schedule by giving the Company 7 days advance notice. If the Customer requests to have one or more appliances removed from participation in the program, the Customer will be ineligible to participate with such appliance(s) again in the program for one year (12 months) from the time participation ended.

SPECIAL PROVISIONS

1. The Company shall not be required to install load management equipment if the installation cannot be economically justified for reasons such as: excessive installation costs, overrated/undersized heating or cooling equipment or abnormal utilization of equipment, including vacation or other limited occupancy residences.
2. Billing under this schedule will commence upon the installation and inspection of the load management equipment.
3. Multiple units of any particular appliance type must all be connected with load management equipment to qualify for the credit attributable to that appliance type. In such circumstances, only a single credit for that appliance type will be applied. Pool sweeps, when coupled with pool pumps, are included in this category.

(Continued on Sheet No. 8.209)

(Continued from Sheet No. 8.205)

4. Installation of the load management equipment in the Customer's home is to be the sole responsibility of a licensed, independent contractor. The Customer agrees that the Company will not be liable for any damages or injuries that may occur as a result of the interruption or restoration of electric service pursuant to the terms of this schedule.
5. The following types of electric water heaters are ineligible for participation in the program: solar water heaters, heat recovery units and heat pump water heaters.
6. If the Company determines that the Customer no longer uses one or more of the appliances signed up for program participation, the Company has the right to remove the appropriate load management equipment and to discontinue the appropriate credits.
7. The Customer shall give the Company and the licensed, independent contractor reasonable access for installing, maintaining, testing and removing the Company's load management equipment, and for verifying that the equipment effectively controls the Customer's appliances as intended by this schedule.
8. If the Company determines that the effect of equipment interruptions has been offset by the Customer's use of supplementary or alternative electrical equipment, service under this schedule may be discontinued and the Customer billed for all prior load management credits received over a period not to exceed six months.
9. If the Company determines that its load management equipment on the Customer's premises has been rendered ineffective by mechanical, electrical or other devices or actions, the Company may discontinue the Customer's participation in the program and bill for all expenses involved in removal of the load management equipment, plus applicable investigative charges. The Company may rebill all prior load management credits received by the Customer from an established tampering date. If such a date cannot be established, rebilling shall be for the previous twelve months.

Appendix B

LOAD CONTROL TRANSPONDER CHANGE ORDER (TCO)
WORK TYPE: 1 - NEW INSTALLATION

***** **CUSTOMER INFORMATION** *****

PPID : ACCT NO - METER :
 NAME : AVERAGE KWH :
 ADDRESS : FRANCHISE :
 SUBSTATION:

CONTACT INFORMATION: LANGUAGE :
 HOME: - WORK: - BEST TIME TO CALL :
 INTERVIEWED BY: TOLL FREE - WORK -
 INTERVIEW ASG DATE: COMPLETE DATE: CONTR ASG DATE:
 RENT/OWN: AC HS HP SCHED WH PP PS WH SWH ATTIC WRK

***** **CONTRACTOR INFORMATION** *****
 CONTRACTOR: TOLL FREE - OFFICE
 NOTES:

.....**CUSTOMER CONTACT ATTEMPT LOG**.....
 CALL H/W MM/DD TIME BY CALL RESULTS CALL H/W MM/DD TIME BY CALL RESULTS
 # 1 - / - - - - - # 5 - / - - - - -
 # 2 - / - - - - - # 6 - / - - - - -
 # 3 - / - - - - - # 7 - / - - - - -
 # 4 - / - - - - - # 8 - / - - - - -

COMMENTS:

EQUIPMENT INFORMATION

FPL	L	PLACE THE	A W	PP				
TRANSPONDER	O	LABEL BELOW	T O	SW				
NUMBER	C	SERIAL	T R	WH				
TYPE		NUMBERS	I K	SW	P-0	P-1	P2	
CODE			C (1)	(2)				

***** **INSTALLER INFORMATION** *****

COMMENTS:

DATE INSTALLED: / /

BY:

APPLIANCE ENERGIZED & WORKING
ATTENTION LABELS INSTALLED
TEST SIGNAL LED/APPL/RESTORE

AC	HS	HP	WH	PP	PS



Residential & Room Air Conditioning Program

Program Standards

Submitted: October 18, 1995

Effective: March 1, 1996

Florida Power & Light Company
Residential & Room Air Conditioning Program

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PROGRAM OBJECTIVE

The objective of the Residential & Room Air Conditioning Program is to reduce coincident peak demand and energy usage through the installation of single speed and single compressor high efficiency air-cooled & water source air conditioners and heat pumps. The purpose of these standards is to instruct FPL Participating Independent Contractors and/or FPL customers in selecting equipment that will qualify for an FPL incentive, and in completing the incentive certificate to redeem the incentive payment. Also, the FPL requirements for qualifying installations are explained.

CUSTOMER ELIGIBILITY REQUIREMENTS

- The Residential & Room Air Conditioning Program central system portion applies only to residential dwelling units that have been served by FPL for at least one year.
- Central systems must meet a whole house cooling requirement. Whole house cooling is defined as an adequate number of window/wall units to provide cooling to the entire living space.
- All customers are eligible for a room air conditioning rebate if they have an active FPL account, install the units in a building served by FPL and satisfy the requirements for equipment eligibility and incentive processing.
- All installations of central air conditioning units must be performed by an FPL Participating Independent Contractor except for exempt governmental entities.
- Window air conditioners do not require installation by an FPL Participating Independent Contractor.
- Customers who replace HVAC equipment that have received an incentive under this program will not be eligible for additional incentives for the replacement equipment.

CENTRAL AIR CONDITIONING

Trade Ally Eligibility

- Each FPL Participating Independent Contractor must enter into a Demand Side Management Program Contract with FPL.
- FPL Participating Independent Contractors shall turn in all incentive certificates for customers that are participating in the Central Air Conditioners portion of the program within 30 days of completing the customer's installation.

CENTRAL AIR CONDITIONING (continued)

- An FPL Participating Independent Contractor must be a licensed mechanical air conditioning contractor in the state of Florida. The contractor must comply with all government statutes, codes, ordinances and accepted engineering practices.
- The installation of the air conditioning system must be in accordance with the manufacturer's recommendations and specifications, including refrigerant line sizes and length.

Equipment Eligibility

- All installations must be in compliance with all local, state and national codes pertaining to the installation and operation of HVAC equipment.
- All equipment installed must provide air conditioning to all major rooms of the structure or be part of a multizoned whole house A/C system.
- The starting current of four ton and larger central air conditioning units or heat pumps must not exceed 30 amps/ton. Units that exceed this criteria will require hard start kits approved by the manufacturer.
- All central air conditioning equipment must be electric driven and either an air-cooled unit or a water source unit. Ground source closed-loop heat pumps and ground water source heat pumps are not eligible to participate in this program.
- Replacement is defined to mean the complete replacement of the electric driven cooling equipment, or cooling and heating equipment in the case of heat pumps. Existing heat strips may be left intact when replacing a straight-cool system as long as the air-handler and condensing unit are replaced and properly matched.

CENTRAL AIR CONDITIONING (continued)

- If the condenser unit and evaporator coil are replaced, but the air handler is not, FPL will pay the incentive, provided that the condenser unit/evaporator coil combination is currently listed/rated by Air-Conditioning & Refrigeration Institute (ARI).
- Replacement of a major component is not considered an eligible installation.
- The new equipment must have enough capacity to provide the cooling requirements of the structure at summer design conditions.
- All equipment installed must be new and cannot be refurbished or have been previously installed or used.
- Each heat pump installation must be an ARI-rated combination.
- Multi-speed or multi-compressor condensing units and multi-condensing unit systems are not eligible to participate in this program.
- Installed equipment combinations must be listed in the latest ARI directory of certified HVAC equipment. The ARI manual page and edition must be written on the FPL incentive certificate, and a copy of the ARI page, with the equipment highlighted, must accompany certificate. Should the equipment be a new release, the ARI reference number along with supporting documentation should be submitted for consideration. FPL will verify, using the latest available ARI updates, that the equipment ratings are ARI approved. The incentive will not be processed unless the equipment ratings have been confirmed by ARI. Equipment that has been delisted because the model is no longer in production will be allowed if listed in either of the previous two editions of the ARI directory.
- The A/C filters must be easily accessible, and their location must be shown to the customer.
- The complete system, including any supplemental devices, shall be listed by Underwriters Laboratories or another nationally recognized testing organization in accordance with U.L. standards.
- For installations over 6000 BTUH greater than the existing units, a heat load calculation supporting the increase in size will be required. This applies whether the new system is a single unit or multi-zone system. The incentive will be paid on the size installed if supported by the heat load calculations.

CENTRAL AIR CONDITIONING (continued)

- If the central system is being installed in a residential dwelling that previously did not have central air conditioning, then a heat load calculation, justifying the size installed, will be required to be submitted with the Incentive certificate.
- When the existing central cooling and heating system is already connected to the FPL On-Call (Load Management) system, the contractor should disconnect the FPL low voltage wire from the existing thermostat circuit and reinstall this wire in the new thermostat circuit. The contractor must check the box on the FPL incentive certificate, labeled "REPLACED ON-CALL WIRE". If the contractor is unsure on how to reconnect the On-Call circuit, he should contact the local On-Call Dealer Representative for further instructions or call 1-800-232-2050.
- FPL will pay the proper incentive for an installation in which the air handler/coil and condensing units are replaced at different times if:
 - the first component was installed on or after the approval date of these standards;
 - both components were replaced within a 12-month period;
 - the new combination is listed in the current ARI directory of certified equipment at the time of the installation of the last component. The ARI rating in effect at the time of installation of the last component is the one which will apply, and must meet the FPL incentive SEER requirements.
- **Specific Requirements - Electric Resistance Heat Strips**
 - The kW of replacement heat strips should not be greater than that of the original heat strips. If heat strips were not originally provided, or larger heat strips are being installed, then a heat load calculation must be submitted. Oversized heat strips may result in denial of incentive payment.
 - Electric resistance heat strips are permitted as supplemental heat for heat pumps only when sized by the balance point method. The thermostat shall have at least two stages, with the first stage operating the heat pump and the remaining stage(s) dedicated to the supplemental heat strips.
 - The supplemental heat strips together with the heat pump should not be larger than necessary to meet the structure's heat loss at design temperatures. Oversized heat strips may result in denial of incentive payment.

CENTRAL AIR CONDITIONING (continued)

Incentive Processing

- Incentive amounts will be determined directly from the appropriate incentive payment schedule as shown in Appendix A.
- Incentive amounts will be deducted from the installed price as shown on the installation contract and the customer will pay only the difference.

Contractors shall complete the Residential Central Air Conditioner & HRU Incentive Certificate as follows:

- Complete customer and contractor information sections:
- Enter the information requested for the existing equipment:
 - Type of system (central, wall units or none)
 - A/C BTU's
 - Heating type
 - Resistance Heat kW (if existing resistance heating)
- Enter the information requested for the new equipment:
 - Is the existing system a multizone system (more than one unit)? If so, check yes and enter the number of separate units in the existing system.
 - Enter the brand name of the new system.
 - Enter the ARI manual edition and page number on which the equipment combination to be installed appears.
 - Enter the model numbers of the components according to how they are listed in the ARI manual (for example, outdoor unit and indoor unit, outdoor unit and indoor coil, etc.) Attach copy of ARI page with unit highlighted.
 - List accessories required for SEER rating.
 - Check either the heat pump or straight cool box.
 - Enter the A/C BTU's and SEER for the new cooling system.
- Enter the following for the new heating system:
 - Heating type
 - Electric Resistance kW, if heat strips are installed
 - Heating BTU's and COP (or HSPF) if a heat pump is installed.
- Check appropriate box for hard start kit installation.
- Fill in manufacturer's recommended refrigerant pipe sizes.
- Enter installed cost of central air conditioner.

- Complete section on heat recovery if a unit was installed. See Residential Heat Recovery Water Heating Trade Ally Standards for details.
 - Enter the brand name of the HRU system.
 - Enter the model number.
 - Enter the maximum A/C tons.
 - Enter the Net Super Heat Recover (NSHR).
 - Enter total cost of HRU installation.

- Complete FPL Incentive Information.
 - Enter the total HVAC system and HRU cost (before subtracting the FPL incentive).
 - Enter the FPL Incentive Amount(s) from the Incentive Payment Schedule(s) provided in Appendix A.
 - Enter the amount due by the customer.
 - Have the customer sign and date the certificate in the spaces provided.

If the customer already was connected to FPL's On-Call (Load Management) system, the low voltage wire should have been reconnected to the thermostat circuit of the new system. The contractor must check the box indicating whether the On-Call wire was reconnected or not.

Mail the certificate to the FPL office serving the area where the customer resides.

- FPL reserves the right to verify each installation for which a Residential Central Air Conditioner & HRU Incentive Certificate has been submitted.
- FPL will be the final judge of whether the requirements of the Residential & Room Air-conditioning Program have been met.

ROOM AIR CONDITIONERS

Equipment Eligibility

- All installations must be in compliance with all local, state and national codes pertaining to the installation and operation of HVAC equipment.
- All units are to be air-cooled.
- Replacement of a major component is not considered an eligible installation.
- All equipment installed must be new and cannot be refurbished or have been previously installed or used.

ROOM AIR CONDITIONERS (continued)

Each room air conditioner should be listed in the current or previous edition of THE DIRECTORY OF CERTIFIED ROOM AIR CONDITIONERS published by Association of Home Appliance Manufacturers (AHAM). Minimum EER ratings are given below:

Capacity Btuh	Minimum EER rating
<7,999	8.8
8,000-20,000	9.3
>20,000	8.8

The EER rating shown on the energy efficiency rating label (ENERGY GUIDE), on the room air conditioner should agree with the AHAM rating and can be used on the incentive certificate.

The room air conditioner shall be listed by Underwriters Laboratories or another nationally recognized testing organization in accordance with U.L. standards.

Incentive Processing

The customer fills out the rebate certificate for room air conditioner. Rebate certificates are available at either place of purchase or by calling 1-800-DIAL FPL (1-800-342-5375).

The rebate certificate process is as follows:

- Enter customer information.
- Check appropriate box for size of unit.
- Check appropriate box for EER rating and incentive amount. See Appendix B for incentive amounts.
- Sign rebate certificate and send to FPL for payment along with original invoice and/or sales receipt showing model number, efficiency rating (EER), purchase price, and place and date of purchase. Also include original or copy of energy efficiency rating label (ENERGY GUIDE).

FPL reserves the right to verify each installation for which a Residential Room Air Conditioner Rebate Certificate has been submitted.

FPL will be the final judge of whether the requirements of the Residential & Room Air-conditioning Program have been met.

REPORTING REQUIREMENTS

All program charges such as Payroll & Benefits, Material and Supplies, Outside Services, Advertising, Vehicles Other and Incentives Costs shall be reported by both the Energy Conservation Cost Recovery True-Up and Projections, specifically through Schedules CT-2 and C-2 respectively.

Appendix A

RESIDENTIAL HVAC

STRAIGHT COOL & HEAT PUMPS - AIR COOLED
INCENTIVE PER PARTICIPANT

SIZE BTUH		SEER	SEER	SEER	SEER	SEER	SEER	SEER	SEER	
FROM	TO	FROM	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5
		TO	11.4	11.9	12.4	12.9	13.4	13.9	14.4	>14.5
9000	14999		\$42	\$62	\$85	\$110	\$138	\$169	\$204	\$242
15000	20999		\$62	\$93	\$127	\$165	\$207	\$253	\$305	\$363
21000	26999		\$83	\$124	\$170	\$220	\$276	\$338	\$407	\$484
27000	32999		\$104	\$155	\$212	\$275	\$345	\$422	\$509	\$605
33000	38999		\$125	\$186	\$254	\$330	\$414	\$507	\$611	\$726
39000	44999		\$146	\$217	\$297	\$385	\$483	\$591	\$712	\$847
45000	50999		\$166	\$248	\$339	\$440	\$552	\$676	\$814	
51000	56999		\$187	\$279	\$381	\$495	\$620	\$760	SEE NOTE 1	
57000	65000		\$212	\$316	\$431	\$559	\$701	\$859		
			EER	EER	EER	EER	EER			
		FROM	10.0	10.5	11.0	11.5	12.0			
		TO	10.4	10.9	11.4	11.9	>12			
>65000			\$282	\$410	\$551	\$706	\$869		SEE NOTE 1	

NOTE 1 EQUIPMENT MAY NOT BE PRESENTLY AVAILABLE IN THIS RANGE.

RESIDENTIAL HVAC

STRAIGHT COOL & HEAT PUMPS - WATER SOURCE
INCENTIVE PER PARTICIPANT

SIZE BTUH		FROM	EER 11.5	EER 12.0	EER 12.5	EER 13.0	EER 13.5	EER 14.0	EER 14.5	EER 15.0
		TO	11.9	12.4	12.9	13.4	13.9	14.4	14.9	>15
FROM	TO									
9000	14999		\$76	\$97	\$120	\$146	\$175	\$207	\$242	\$281
15000	20999		\$114	\$146	\$181	\$219	\$262	\$310	\$363	\$422
21000	26999		\$153	\$194	\$241	\$292	\$350	\$413	\$484	\$562
27000	32999		\$191	\$243	\$301	\$365	\$437	\$517	\$605	\$703
33000	38999		\$229	\$292	\$361	\$439	\$524	\$620	\$726	\$844
39000	44999		\$267	\$340	\$421	\$512	\$612	\$723	\$847	
45000	50999		\$305	\$389	\$482	\$585	\$699	\$826		
51000	56999		\$343	\$437	\$542	\$658	\$787		SEE NOTE 1	
57000	65000		\$388	\$494	\$612	\$743			\$859	
>65000			\$183	\$273	\$374	\$486	\$610	\$748	\$859	NOTE 1

NOTES:

- 1) EQUIPMENT MAY NOT BE PRESENTLY AVAILABLE IN THIS RANGE
- 2) DOES NOT INCLUDE GROUND SOURCE HEAT PUMPS

Appendix B

RESIDENTIAL HVAC

ROOM AIR CONDITIONERS & HEAT PUMPS

INCENTIVE PER PARTICIPANT

SIZE BTUH		FROM	EER 9.0 9.4	EER 9.5 9.9	EER 10.0 10.4	EER 10.5 10.9	EER 11.0 11.4	EER 11.5 11.9	EER 12.0 >12
FROM	TO								
4000	5999		\$23	\$35	\$47	\$60	\$75	\$92	\$110
6000	7999		\$24	\$39	\$55	\$73	\$92	\$114	\$138
8000	9999		NOTE 2	\$42	\$62	\$83	\$108	\$134	\$164
10000	11999		NOTE 2	\$51	\$75	\$102	\$132	\$164	
12000	13999		NOTE 2	\$60	\$89	\$121	\$156	\$194	
14000	15999		\$39	\$69	\$103	\$139	\$179		
16000	17999		\$44	\$78	\$116	\$158			
18000	20000		\$49	\$88	\$130	\$176			
20001	22999		\$82	\$129	\$179			SEE NOTE 1	
23000	24999		\$92	\$143					
25000	27999		\$101	\$158				\$200	
28000	35000		\$120	\$188					

NOTES:

- 1) EQUIPMENT MAY NOT BE PRESENTLY AVAILABLE IN THIS RANGE
- 2) NO REBATE GIVEN FOR THIS RANGE.



Duct System Testing and Repair

Program Standards

Submitted: October 18, 1995

Effective: March 1, 1996

**Florida Power & Light Company
Duct System Testing and Repair
Program
Program Standards**

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Program Objective

The objective of the Duct System Testing and Repair Program is to reduce coincident peak electrical demand and energy use through air leak site identification in air conditioning duct systems and repair of those air leaks by qualified contractors.

Customer Eligibility

The program shall be available to FPL small commercial and residential customers who meet the following criteria:

The building must be served by an electric air conditioning duct system(s).

The building must provide sufficient access to the duct system, such that contractors can identify leak sites and cost-effectively make repairs.

Customers are not eligible for a duct test if the building has had a duct test performed within the preceding 12 month period.

Duct system repairs must be performed by approved FPL repair contractors to qualify for conservation incentives except for exempt governmental entities.

The building will qualify for a duct system repair incentive(s) only for those repair recommendations made through an FPL duct system test.

Customers are eligible for a duct system repair incentive(s) based on the number of air handler units in the home.

The customer agrees to pay \$30 for the duct system test when one air handler unit is present at the building. An incremental cost of \$15 is charged for each additional air handler system.

Building must be one year old or older to qualify for duct system testing and repair.

Trade Ally Eligibility

Each repair contractor and/or employees of contractors who will be doing the testing and repair must attend a specified training course in testing and repair.

Repair contractor must sign and comply with FPL's duct system repair contract.

Contractor and repairs must comply with all national, state and local codes and ordinances.

Repair contractor must agree to repair all cost effective leak sites identified by duct system test on the duct system repair worksheet.

Repair contractor must resolve, prior to repairs, any differences between contractor and customer over recommendations made by FPL and or testing contractor.

Contractor must correct any deficiency in the duct system repair identified by the FPL inspection within 10 working days.

It is the contractor's responsibility to obtain repair approval from dwelling owner or designee, prior to performing repairs.

Equipment Eligibility

No equipment required.

Participation Requirements

Duct testers must perform a combustion appliance safety test for all dwellings with a combustion appliance (i.e., an appliance that employs direct combustion of its fuel source) and notify customer of any deficiency (ies) that are identified.

Duct system repairs or enhancements do not qualify for duct system repairs when they are required by state or local codes.

FPL reserves the right to verify each installation for which a Watt-Saver certificate(s) has been submitted.

FPL will be the final judge of whether the requirements of the duct system testing and repair program have been met.

Incentive Processing

When an eligible customer requests a duct system test, FPL assigns the work to the duct tester.

The duct tester or designee arranges with the customer for testing to be performed. The FPL duct system test incentive is deducted from the testing expense at the time the test is performed. The customer is responsible to pay the balance of the test cost, as specified on the duct system test agreement.

Duct repair Watt-Saver certificates will be issued by the duct tester to those customers who qualify for a repair incentive(s). The amount of the duct system repair incentive (Watt-Saver Certificate) is based on the estimated repair time in accordance with the repair incentive schedule for cost-effective repairs (See Appendix A). The duct tester signs and dates the Watt-Saver certificate when it is issued to the customer.

At the time a Watt-Saver certificate is issued by the duct tester, he/she supplies the customer with a copy of FPL's list of Participating Independent Repair Contractors. If customer was referred to FPL for a duct system test by a repair contractor, a list will only be supplied upon customer request.

When the repairs have been completed, the customer signs, dates and gives the Watt-Saver(s) certificate to the repair contractor as partial payment for the repair. The repair contractor collects the remaining balance of the repair cost from the customer.

Upon satisfying all of the program requirements, the contractor will be paid an incentive.

The repair contractor completes the Watt-Saver certificate(s) and then forwards the certificate(s) to FPL for payment and/or inspection validation.

Reporting Requirements

All program charges such as Payroll & Benefits, Material and Supplies, Outside Services, Advertising, Vehicles, Other, and Incentives Costs shall be reported by both the Energy Conservation Cost Recovery True-Up and Projections, specifically through Schedules CT-2 and C-2 respectively.

Definitions

Duct System: The forced air distribution system that provides conditioned air in dwellings (includes: supplies, returns, plenums, air handlers, grills and registers).

Duct System Test: Testing that utilizes the "blower door" technology to identify duct system leaks.

Duct System Repair: Repairs of duct system leak sites identified through the duct system test.

Duct Tester: An FPL employee or contractor authorized by FPL to perform duct system tests.

Repair Contractor: A participating independent contractor who is qualified to perform leak site repairs to duct systems identified through the duct system test.

Duct System Agreement: Form completed during duct system test with customer agreement.

Duct System Repair Worksheet: Form completed during duct system test that contains detailed drawing of duct system leak sites.

Watt-Saver Certificate: Form that is issued after duct system test as duct system repair incentive.

Appendix A

Duct Repair Incentive Schedule

Estimated Repair Time	FPL Repair Incentive
<1.5 Hr	\$50
1.6-2.0	\$63
2.1-2.5	\$75
2.6-3.0	\$88
3.1-3.5	\$100
3.6-4.0	\$113
4.1-4.5	\$125
4.6-5.0	\$138
5.1-5.5	\$150
5.6-6.0	\$160
6.1-6.5	\$170
6.6-7.0	\$180
7.1-7.5	\$190
7.6-8.0	\$195
>8.1	\$200



Residential Building Envelope

Program Standards

Submitted: October 18, 1995

Effective: March 1, 1996

Florida Power & Light Company Residential Building Envelope Program Standards

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Program Objective

The objective of the Residential Building Envelope Program is to reduce electrical demand and energy usage from air conditioning equipment by encouraging energy conservation through the installation of qualifying measures.

Customer Eligibility

- The Residential Building Envelope Program is available to all residential customers with an FPL account who install qualifying building envelope measures in their qualified dwellings located in FPL service territory.
- The Residential Building Envelope Program applies to retrofit applications only.
- Eligible dwellings must have whole house electric air conditioning. Whole house air conditioning is defined as either a central system(s) or sufficient window/wall units to provide cooling to the majority of the living space in the house.
- To become eligible for an FPL incentive, the customer must be issued an FPL WATT-SAVER™ Certificate prior to the installation of the qualifying Residential Building Envelope Program measure.
- In single family dwellings and in multifamily buildings which do not have standardized types of dwelling units, each dwelling will be surveyed separately. In multifamily buildings where there are standardized types of dwelling units, a representative sample of each type of unit will be surveyed. FPL, not the Participating Independent Contractor, must qualify the defined community or complex for program eligibility.
- The Residential Building Envelope Program measure must be installed by an FPL Participating Independent Contractor in accordance with the manufacturer's recommendations and specifications. However, governmental entities including local, state and federal housing agencies may, at FPL's discretion, be exempt from the requirement of having an FPL Participating Independent Contractor perform the installation.
- Additions and renovations where building envelope measures must meet codes do not qualify for a Residential Building Envelope Program incentive unless qualifying building envelope measures are installed above minimum code requirements.
- All installations must be accessible for verification by FPL. Special arrangement is required with the local office's Program Supervisor on situations where post

installation inspection would not be practical.

- Do-It-Yourself installations do not qualify for an incentive.
- Incentives are only applicable to qualifying Residential Building Envelope Program measures.

Trade Ally Eligibility

For the purposes of the Residential Building Envelope Program, a trade ally is defined as a licensed contractor who installs building envelope measures. To be eligible as an FPL Participating Independent Contractor, a contractor must sign and comply with FPL's Demand Side Management Program Contract. In performing the installation of qualifying Residential Building Envelope Program measures, a Participating Independent Contractor must:

- resolve prior to the installation any differences with the customer about recommendations made in the WATT-SAVER™ Certificate;
- leave a product specification sheet with the customer;
- leave a sample of material (at least 6" x 6") used in the installation of solar film and solar screen products with the customer;
- attach product specification sheet to the WATT-SAVER™ Certificate;
- attach a sample of material (at least 6" x 6") used in the installation of solar film and solar screen products to the WATT-SAVER™ Certificate;
- immediately correct any deficiency in the conservation product or mechanics of installation found by the FPL representative, when so advised, regarding but not limited to, failure to meet Residential Building Envelope Program Standards;
- comply with all local, state, and national rules and codes pertaining to the installation of the Residential Building Envelope Program measure.

FPL reserves the right to verify each installation for which a WATT-SAVER™ Certificate has been issued.

FPL will be the final judge of whether the requirements of the Residential Building Envelope Program have been met. Payment will not be rendered on any WATT-SAVER™ Certificate where the installation of a Residential Building Envelope Program measure is unacceptable to FPL.

FPL reserves the right to modify or terminate the Residential Building Envelope Program Standards at any time with ten (10) days written notice to the Participating Independent Contractors.

Product Eligibility

All qualifying Residential Building Envelope Program products must be installed according to the manufacturer's recommendations and specifications. Additionally, all qualifying products must have thermal properties and performance characteristics independently tested using AIMCAL, ASHRAE, ASTM, IWFA, NFRC, or other FPL-approved calculations and test methods, where appropriate.

Insulation

Incentives apply only to the square footage of the upper level of the qualified dwelling above air conditioned space. Incentives are available for installations resulting in an overall thermal resistance of up to R-30.

Ceiling Insulation - Qualifying ceiling insulation measures are blown-in (loose fill), batt, and blanket types.

- Insulation must be installed as a direct application to the ceiling in an unconditioned area over the conditioned space.
- Insulation must be installed uniformly resulting in a minimum R-19 value throughout the entire area, including scuttleholes. Where space limits the installation of material required to meet R-19, R-11 will be acceptable.
- Insulation must be installed in sufficient quantity to increase the overall thermal resistance of the existing ceiling by a minimum of R-11.
- Insulation must not cover soffit or any other type of attic ventilation system.
- Insulation must have minimum clearance around all recessed lighting and gas fired appliances as stipulated in state, county, and local codes.

Roof Insulation - Roof insulation measures may qualify for an incentive only when the installation of ceiling insulation is impractical. Roof insulation will be considered as any qualifying material placed on or above an existing roof. Qualifying roof insulation measures include, but are not limited to, sprayed

foam or fiber types. Insulation must be installed uniformly resulting in a minimum value of R-11 over the entire area.

Window Systems

Qualifying windows must be adjacent to the air conditioned space and face any westerly direction (i.e. northwest, southwest, or west).

Qualifying windows are clear or tinted (shading coefficient ≥ 0.84) single pane or clear double pane glass types.

Qualifying windows may be shaded by overhangs that project outward no more than twice the height of the window.

Window area that is permanently shaded does not qualify for an incentive.

Window area already treated with solar film, solar screens, awnings, shutters, or any other shading product does not qualify for an incentive.

Qualifying window system measures include, but will not be limited to, solar film, solar screens, shutters, awnings, and high efficiency replacement windows.

Shading Coefficients for determining product qualification shall be obtained from manufacturer's literature. For solar film and solar screens, shading coefficients shall be stated as applied to single pane, clear 1/4 inch glass. For solar screens, the shading coefficient shall be determined using a profile angle of 30 degrees.

Qualifying window system measures, excluding awnings and shutters, must have a shading coefficient of 0.45 or less.

Qualifying window system measures must be permanently fixed.

Solar Film

- must be installed on the inside surface of existing glass and have a shading coefficient of 0.45 or less.
- must have adhesive as an integral part; adhesives cannot be applied separately.
- must have a uniform appearance when installed - no streaks, banding, pinholes, or spots.

- must have a uniform appearance when installed - no streaks, banding, pinholes, or spots.
- must be installed with a border of no less than 1/32 inch and no more than 1/8 inch between the film edge and the window frame.
- must carry a minimum five year manufacturer's warranty.
- Jalousie, triple pane, frosted, lexan, plexiglass, or plastic windows and skylights do not qualify for solar film incentive.

Solar Screens

- must be installed outside of existing glass.
- must have a shading coefficient of 0.45 or less.
- must permanently project shade over the entire glass area.
- must carry a minimum five year manufacturer's warranty.
- Frosted or triple paned windows do not qualify for solar screen incentives.

Awnings and Shutters

- must permanently project shade over the entire glass area.
- may not contain adjustable slats or louvers.
- must have a length equal to or greater than the glass window/door height.
- must have a width equal to or greater than the glass window/door width.
- triple pane windows do not qualify for awning and shutter incentives.

Window Replacements

- must be permanently installed to replace qualifying windows.
- must have a shading coefficient of 0.45 or less.

Participation Requirements

Before installation begins, an FPL WATT-SAVER™ Certificate must be issued to the customer. Incentive payments for qualifying Residential Building Envelope Program measure(s) will be calculated using Appendix A, Incentive Payment Determination. Incentive payments will be limited to the face value of the WATT-SAVER™ Certificate.

The incentive amount must be deducted from the sales contract prior to installation. A WATT-SAVER™ Certificate cannot be exchanged for a cash payment.

When the installation is completed, the customer signs the WATT-SAVER™ and gives it to the FPL Participating Independent Contractor as partial payment for the installation.

Incentive Processing

To become eligible for incentive payment reimbursement from FPL, the Participating Independent Contractor must:

- complete the PAYEE section of the WATT-SAVER™ Certificate including the name of the Company or Contractor, phone number, contractor number, mailing address, and installation date.
- sign WATT-SAVER™ Certificate
- complete the applicable section(s) on the back of the WATT-SAVER™ Certificate for Residential Building Envelope Program measures.
- forward WATT-SAVER™ Certificate with the appropriate attachments to the local FPL office for processing.

Reporting Requirements

All program charges such as Payroll & Benefits, Material and Supplies, Outside Services, Advertising, Vehicles, Other, and Incentives Costs shall be reported in the Energy Conservation Cost Recovery True-Up and Projection Filings, specifically through Schedules CT-2 and C-2 respectively.

Definitions

"AIMCAL" is the Association of Industrial Metallizers, Coaters, and Laminators.

"ASHRAE" is the American Society of Heating, Refrigeration and Air Conditioning Engineers.

"ASTM" is the American Society for Testing and Materials.

"IWFA" is the International Window Film Association.

"NFRC" is the National Fenestration Rating Council.

Appendix A

Incentive Payment Determination

Appendix A

Incentive Payment Determination

Incentives for qualifying Residential Building Envelope Program measures will be determined by:

- For roof systems:

Existing R-value	R-11	R-19	R-30	R-19	R-30	R-19 29.9
resultant R-value	≥R-11	≥R-19	≥R-30	≥R-19	≥R-30	≥R-30
Incentive (¢/Sq Ft)	9.4¢	11.5¢	14.5¢	6.2¢	7.8¢	3.3¢

- For window systems, the incentive is 63.6¢ per square foot of qualifying glass area.

Incentives for both roof and window systems will be rounded off to the nearest dollar.



Residential Heat Recovery Water Heating

Program Standards

Submitted: October 18, 1995

Effective: March 1, 1996

Florida Power & Light Company
Residential Heat Recovery Water Heating Program
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Customer Eligibility Requirements

The Residential Heat Recovery Water Heating Program applies only to residential dwelling units that have been served by FPL for at least one year.

All eligible installations must be completed on or after the approval date of these standards.

All installations of heat recovery units (HRU) must be performed by an FPL Participating Independent Contractor except for exempt governmental entities.

Residential dwelling units that have had a HRU previously installed under this program will not be eligible for future participation.

The water heater must serve one dwelling unit only (residential rate, single family and single metered location) except in the case of an attached efficiency or in-law quarters, which if under the same account as main dwelling, is allowed.

The existing water heater must be an electric resistance water heater, and must not currently have an associated operational water heating heat pump, or solar water heater.

The dwelling must not currently be participating in the On-Call program for water heating.

The installation of a HRU must be in accordance with the manufacturer's recommendations and specifications including refrigerant line sizes and length.

Only one HRU installation per dwelling unit will be eligible to participate in this program.

Trade Ally Eligibility

Each FPL Participating Independent Contractor must enter into a Demand Side Management Program Contract with FPL.

Trade Ally Eligibility (continued)

FPL Participating Independent Contractors shall turn in all incentive certificates for customers within 30 days of completing the customer's installation.

An FPL Participating Independent Contractor must be a licensed mechanical air conditioning contractor in the state of Florida. The contractor must comply with all government statutes, codes, ordinances and accepted engineering practices.

Equipment Eligibility

The new heat recovery water heating system must be a permanent installation installed by an FPL Participating Independent Contractor. No lease, rental or other non-permanent arrangements are eligible.

All HRU water heater installations must comply with local codes and ordinances.

All equipment being installed must be new and cannot be refurbished or previously have been installed and/or used.

Ratings - All units must be rated according to the Air Conditioning and Refrigeration Institute's (ARI) Standard 470-80 with Florida regulatory modifications.

All units must be listed in the latest Directory of Certified Refrigerant Desuperheater Heat Recovery Unit Water Heaters administered by Association of Refrigerant Desuperheater Manufacturers Inc. (ARDM).

Approval - Units must be approved by Underwriters Laboratories (U.L.) or by a certified independent laboratory and meet all local code requirements.

A control means must be provided so that the heat recovery unit can only supply warm water to the water system and also prevents over cooling the refrigerant loop.

Installations:

- a. Installations must be completed according to manufacturer's instructions.**
- b. Operation and maintenance manual must be presented to resident at time of installation.**
- c. Water piping between the HRU and storage tank must be limited to a total length (one way) of 70 linear feet. (SEE NOTE.)**
- d. Refrigerant piping between the HRU and the condensing unit must be limited to a total length one way of 25 linear feet with a maximum vertical lift of 20 feet. (SEE NOTE.)**
- e. The contractor must verify that the heat recovery unit does not void the warranty on the customer's central air conditioning unit or the water heater. An HRU**

- installation that voids these warranties is not a qualified installation.
- f. Water storage tanks must be equipped with pressure relief valves.
 - g. Heat exchanger must have double walls between the refrigerant and potable water.

NOTE: FPL now accepts manufacturer's data as to the acceptable lengths of refrigerant piping and water piping. When manufacturer's data is not available, use existing standards.

Storage Tank - Minimum required tank size is 30 gallons.

The recommended minimum tank capacities by family size are as follows:

<u>Family Size</u>	<u>Tank Capacity (Gallons)</u>
1 - 2	30
3	40
4	52 - 66
5	66 - 80
6	80 - 120
7	120

Installation/Freeze Protection - For freeze protection, the heat exchanger should be installed within the structure where feasible. If the heat exchanger is located outdoors in an area subject to freezing temperatures, the HRU shall be supplied with a freeze protection circuit.

Anti-Syphoning Protection - a check valve or similar component should be installed to prevent thermosyphoning during non-use of air conditioning units.

All accessible piping carrying hot water or refrigerant must be insulated, with tape sealing all insulated joints.

All new storage tanks connected to the conservation water heater must meet the efficiency requirements of the current Florida Energy Efficiency Code.

HRU must be rated to meet or exceed air conditioner size.

The lower element thermostat in the storage tank feeding directly into the dwelling must be reset to the minimum temperature.

Heated water shall enter the storage tank first or pass through a tempering valve so that it enters the dwelling at a safe temperature.

All pipe insulation exposed to direct sunlight will be protected from, or be highly resistant to, ultraviolet (UV) radiation degradation.

Incentive Processing

Incentive amounts will be determined directly from the appropriate incentive payment schedule provided by FPL.

Incentive amounts will be deducted from the installed price, be shown on the sales contract prior to installation, and the customer will pay only the difference.

Incentive processing is described below :

The Contractor shall :

Complete the Residential Central Air Conditioning & HRU Incentive Certificate as follows:

Complete customer and contractor information sections.

Complete section on heat recovery unit.

- Enter the brand name of the HRU system.
- Enter the model
- Enter maximum A/C tons.
- Enter the Net Super Heat Recover (NSHR).
- Enter the total cost of HRU installation.

Complete sections on existing HVAC equipment.

- Type of system (central, wall units or none)
- A/C BTU's
- Heating type
- Resistance Heat KW (if existing resistance heating)

Complete section on new central HVAC system if installed. See Residential & Room Air Conditioning Trade Ally Standards for details.

Complete FPL Incentive Information.

- Enter the total HVAC system and HRU cost (before subtracting the FPL incentive).
- Enter the FPL Incentive Amount from the Incentive Payment Schedule(s).
- Enter the amount due by the customer.
- Have the customer sign and date the certificate in the spaces provided.

Mail the certificate to the FPL office serving the area where the customer resides.

FPL reserves the right to verify each installation for which a Residential Central Air Conditioning & HRU Incentive certificate has been submitted.

FPL will be the final judge of whether the requirements of the Residential Heat Recovery Water Heating Program have been met.

Reporting Requirements

All program charges such as Payroll & Benefits, Material and Supplies, Outside Services, Advertising, Vehicles, Other, and Incentives Costs shall be reported in the Energy Conservation Cost Recovery True-Up and Projection filings, specifically through Schedules CT-2 and C-2 respectively.

Appendix A

RESIDENTIAL HRU-WATER HEATING**WITH A/C CHANGEOUT****INCENTIVE PER PARTICIPANT**

A/C SIZE BTUH		FROM	NSHR 50% 59%	NSHR 60% 69%	NSHR 70% 79%	NSHR 80% 89%	NSHR 90% 100%
FROM	TO						
9000	14999		\$24	\$28	\$32	\$37	\$41
15000	20999		\$35	\$42	\$48	\$55	\$62
21000	26999		\$47	\$56	\$65	\$73	\$82
27000	32999		\$59	\$70	\$81	\$91	\$103
33000	38999		\$71	\$84	\$97	\$110	\$123
39000	44999		\$83	\$98	\$113	\$128	\$144
45000	50999		\$94	\$112	\$129	\$146	\$165
51000	56999		\$106	\$126	\$145	\$165	\$185
57000	65000		\$120	\$142	\$164	\$186	\$209

RESIDENTIAL HRU-WATER HEATING**WITHOUT A/C CHANGEOUT****INCENTIVE PER PARTICIPANT**

A/C SIZE BTUH		FROM	NSHR 50% 59%	NSHR 60% 69%	NSHR 70% 79%	NSHR 80% 89%	NSHR 90% 100%
FROM	TO						
9000	14999		\$17	\$20	\$23	\$27	\$30
15000	20999		\$26	\$30	\$35	\$40	\$45
21000	26999		\$34	\$41	\$47	\$53	\$60
27000	32999		\$43	\$51	\$59	\$67	\$75
33000	38999		\$51	\$61	\$70	\$80	\$90
39000	44999		\$60	\$71	\$82	\$93	\$105
45000	50999		\$69	\$81	\$94	\$106	\$120
51000	56999		\$77	\$91	\$106	\$120	\$135
57000	65000		\$87	\$103	\$119	\$135	\$152

- NOTES: 1) NSHR = NET SUPERHEAT RECOVERY
 2) WHERE THE A/C SIZE IS GREATER THAN 65,000 BTUH THE INCENTIVE WILL
 BE BASED ON 65,000 BTUH.



Residential Conservation Service

Program Standards

Submitted: October 18, 1995

Effective: March 1, 1996

Florida Power & Light Company Residential Conservation Service Program Standards

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Florida Power & Light Company Residential Conservation Service Program Standards

Program Objective

To implement and administer a residential energy survey and conservation service program designed to:

- a. Comply with governmental legislation and Florida Public Service Commission rules.
- b. To encourage customers to participate in the implementation of conservation measures, creating less demand for FPL at peak load times.

Customer Eligibility

All residential customers in FPL's service territory are eligible to receive this service.

Participation Requirements

This program does not involve participating contractors.

Incentive Processing

The energy survey helps to determine which practices and measures are most appropriate for a particular dwelling, and which measures qualify for FPL incentives. Watt Saver certificates are issued during the survey for those measures that qualify.

Reporting Requirements

All program charges such as Payroll & Benefits, Material & Supplies, Outside Services, Advertising, Vehicles and Other Costs shall be reported by both the Energy Conservation Cost Recovery True-Up and Projections, specifically through Schedules CT-2 and C-2 respectively.