



Public Service Commission

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COMMISSION
CLERK

DATE: August 27, 2010

TO: Chairman Nancy Argenziano
Commissioner Lisa Edgar
Commissioner Nathan Skop
Commissioner Art Graham
Commissioner Ronald Brisé

FROM: Robert L. Trapp, Assistant Director, Division of Regulatory Analysis *RLT*

RE: Item 3 - Docket No. 100154-EG - Petition for approval of demand-side management plan of Gulf Power Company,
Item 4 - Docket No. 100155-EG - Petition for approval of demand-side management plan of Florida Power & Light Company,
Item 6 - Docket No. 100158-EG - Petition for approval of demand-side management plan of Florida Public Utilities Company,
Item 7 - Docket No. 100159-EG - Petition for approval of demand-side management plan of Tampa Electric Company,
Item 8 - Docket No. 100160-EG - Petition for approval of demand-side management plan of Progress Energy Florida, Inc. *ms*

Attached please find information related to the recommendations filed in the above referenced dockets. These recommendations were filed on August 19, 2010, and are scheduled for the August 31, 2010, Agenda Conference. The information being provided does not change staff's recommendation in these dockets.

In Issue 4 of the recommendations, staff provided the Commission with a table for each investor-owned utility identifying the five proposed conservation programs that are projected to have the largest impact on costs to be recovered from ratepayers through the Energy Conservation Cost Recovery (ECCR) clause. The specific tables and their location within the recommendations are listed below.

Location of Tables by Company

Company	Docket #	Table #	Page
GULF	100154-EG	10	14
FPL	100155-EG	10	15
FPUC	100158-EG	10	16
TECO	100159-EG	10	15
PEF	100160-EG	11	16

DOCUMENT NUMBER-DATE

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Staff intended for the tables to illustrate the relationship between the rate impact, savings, and cost-effectiveness associated with various conservation programs. As such, staff provided the percentage impact of each program on ECCR costs and the percentage contribution of each program to the seasonal peak demand and energy goals established by the Commission for each utility. Upon further review, staff believes the tables are insufficiently clear, and more detail is necessary to fully illustrate the relationship between program ECCR rate impacts and overall system benefits.

Attached are tables providing a more complete listing of the programs being proposed by the investor-owned utilities.¹ The tables show for each proposed program: (1) the type of program, i.e., residential or commercial/industrial; (2) percent contribution to the utility's seasonal peak demand and energy goals; (3) total benefits under the E-TRC and E-RIM tests; and (4) percent impact on ECCR costs to be recovered from ratepayers. With this information, the Commission can better discern the relative contribution of each program to short term rate impacts and long term system net savings.

cc: Docket Files
Tim Devlin
Chuck Hill
Curt Kiser
Mary Anne Helton
Ann Cole

¹ Audits, existing programs which have been closed to new participants, research programs, and the solar programs addressed in Issue 3 are not included in these tables.

Gulf Power Company

Program Name	Type	% Total Goal			Net Benefits		ECCR (%)
		Sum	Win	Ann	E-TRC	E-RIM	
		(%)	(%)	(%)	(\$000)	(\$000)	
HVAC Efficiency	RES	61.3%	70.0%	57.4%	\$ 156,252	\$ (103,134)	49.0%
Energy Select	RES	15.8%	26.3%	1.4%	\$ 16,807	\$ 499	20.9%
Self-Install Energy Efficiency	RES	3.9%	4.6%	8.3%	\$ 8,861	\$ (22,659)	6.6%
Heat Pump Water Heater	RES	0.9%	4.4%	2.6%	\$ 464	\$ (12,202)	3.8%
Commercial Building Efficiency	C/I	8.5%	4.5%	5.9%	\$ 26,087	\$ (30)	3.3%
High Performance Window	RES	2.2%	6.1%	2.8%	\$ 8,189	\$ (6,999)	2.7%
HVAC Retrocommissioning	C/I	11.1%	3.6%	7.0%	\$ 25,243	\$ 2,506	2.3%
Refrigerator Recycling	RES	1.7%	2.3%	3.3%	\$ 7,461	\$ (5,961)	2.0%
Community Energy Saver	RES	0.9%	2.5%	2.6%	\$ 4,047	\$ (6,778)	2.0%
Variable Speed Pool Pump	RES	3.4%	4.5%	1.5%	\$ 9,156	\$ (39)	1.7%
Energy Select Lite	RES	2.9%	4.3%	0.3%	\$ 4,618	\$ 1,890	1.0%
Reflective Roof	RES	1.8%	0.0%	1.0%	\$ 4,920	\$ (269)	0.9%
Commercial/Industrial Custom Incentive	C/I	5.0%	6.6%	3.2%	\$ -	\$ -	0.9%
Landlord-Renter Custom	RES	0.3%	1.0%	1.0%	\$ 1,514	\$ (2,650)	0.8%
Ceiling Insulation	RES	0.4%	4.0%	0.5%	\$ 465	\$ (1,577)	0.6%
Home Energy Reporting	RES	5.8%	7.6%	6.0%	\$ 1,138	\$ (1,214)	0.2%
High Efficiency Motors	C/I	0.4%	0.5%	0.5%	\$ 1,577	\$ 5	0.2%
Food Services	C/I	0.2%	0.3%	0.3%	\$ 922	\$ (93)	0.1%
HVAC Occupancy Sensor	C/I	0.0%	0.0%	0.2%	\$ 445	\$ (240)	0.1%
Real Time Pricing	C/I	3.6%	2.4%	0.0%	\$ -	\$ -	0.0%

Florida Power & Light Company

Program Name	Type	% Total Goal			Net Benefits		ECCR (%)
		Sum (%)	Win (%)	Ann (%)	E-TRC (\$000)	E-RIM (\$000)	
Residential Load Management (On Call)	RES	0.25%	0.00%	0.26%	\$ 77,920	\$ 59,473	20.36%
Residential Air Conditioning	RES	30.33%	36.05%	27.65%	\$ 637,075	\$ 124,235	19.68%
Commercial/Industrial Load Control (Closed)	C/I	-	-	-	\$ -	\$ -	9.88%
Business Heating, Ventilating & Air-Conditioning (HVAC)	C/I	11.58%	39.46%	22.14%	\$ 739,553	\$ 92,389	8.18%
Business Building Envelope	C/I	9.14%	1.73%	8.66%	\$ 186,012	\$ 12,286	7.04%
Residential Building Envelope	RES	9.95%	14.75%	10.11%	\$ 134,365	\$ 54,701	3.92%
Commercial/Industrial Demand Reduction	C/I	9.52%	23.56%	0.03%	\$ 154,318	\$ 105,651	3.16%
Residential New Construction (BuildSmart®)	RES	0.34%	1.92%	2.16%	\$ 167,318	\$ 53,839	2.49%
Residential Duct System Testing & Repair	RES	5.80%	16.82%	5.30%	\$ 205,025	\$ 65,202	2.37%
Residential Power Savers Energy Efficiency	RES	2.06%	4.59%	2.32%	\$ 61,251	\$ (5,109)	2.19%
Business Lighting	C/I	5.58%	9.12%	9.49%	\$ 320,200	\$ 68,230	2.15%
Business On Call	C/I	2.67%	0.00%	0.00%	\$ 40,668	\$ 32,286	1.33%
Residential Refrigerator Replacement	RES	0.40%	0.92%	0.58%	\$ 3,122	\$ (12,710)	0.90%
Residential Air-Conditioning Tune-Up & Maintenance	RES	1.58%	0.00%	1.29%	\$ 35,786	\$ 13,547	0.35%
Business Refrigeration	C/I	0.63%	1.35%	2.67%	\$ 72,241	\$ 9,443	0.35%
Business Water Heating	C/I	0.39%	0.60%	1.16%	\$ 29,505	\$ 268	0.28%
Residential Proactive Energy Information Communications Research Project	ALL	-	-	-	\$ -	\$ -	0.26%
Cogeneration & Small Power Production	C/I	-	-	-	\$ -	\$ -	0.25%
Residential Low Income Weatherization	RES	5.49%	6.37%	4.19%	\$ 6,216	\$ (1,548)	0.15%
Business Building Retro-Commissioning Research Project	ALL	-	-	-	\$ -	\$ -	0.15%
Residential Two-Story Wind Washing Project	ALL	-	-	-	\$ -	\$ -	0.10%
Business Custom Incentive	C/I	0.28%	0.34%	0.97%	\$ -	\$ -	0.03%
Business Motors	C/I	0.06%	0.00%	0.14%	\$ 4,575	\$ 1,037	0.00%

Florida Public Utilities Company

Program Name	Type	% Total Goal			Net Benefits		ECCR (%)
		Sum	Win	Ann	E-TRC	E-RIM	
		(%)	(%)	(%)	(\$000)	(\$000)	
Heating and Cooling Efficiency	RES	8%	12%	34.0%	\$ 663	\$ (420)	19.40%
Indoor Efficient Lighting	C/I	17%	10%	1.0%	\$ (147)	\$ (102)	8.90%
Heating and Cooling Efficiency	C/I	42%	21%	6.0%	\$ 519	\$ (259)	6.50%
Chiller Upgrade	C/I	29%	17%	11.0%	\$ 221	\$ (140)	6.40%
Ceiling Insulation Upgrade	RES	146%	123%	3.0%	\$ (59)	\$ (41)	4.10%
Ceiling Insulation Upgrade	C/I	3%	2%	12.0%	\$ 106	\$ (49)	1.70%
Window Film	C/I	5%	0%	3.0%	\$ 526	\$ 622	1.70%

Tampa Electric Company

Program Name	Type	% Total Goal			Net Benefits		ECCR (%)
		Sum	Win	Ann	E-TRC	E-RIM	
		(%)	(%)	(%)	(\$000)	(\$000)	
Industrial Load Management	C/I	0.00%	0.00%	0.00%	\$ 11,212	\$ 1,909	40.91%
Demand Response	C/I	3.86%	4.88%	0.11%	\$ 1,899	\$ 739	9.05%
Energy Planner	RES	20.98%	41.16%	4.62%	\$ 8,427	\$ 1,242	5.67%
Duct Repair	RES	11.42%	18.06%	7.37%	\$ 6,472	\$ 682	5.11%
Standby Generator	C/I	8.73%	10.07%	0.33%	\$ 1,372	\$ 956	4.50%
Neighborhood Weatherization & Agency Outreach	RES	5.39%	6.93%	4.32%	\$ 1,395	\$ 175	2.49%
Building Envelope	RES	8.09%	7.44%	4.98%	\$ 1,541	\$ 155	1.75%
Heating & Cooling	RES	7.61%	13.91%	7.63%	\$ 4,995	\$ 105	1.37%
Lighting	C/I	9.80%	6.99%	16.57%	\$ 4,064	\$ (54)	1.20%
Duct Repair	C/I	1.77%	0.53%	14.75%	\$ 9,287	\$ 2,304	0.81%
New Construction	RES	2.01%	1.87%	1.56%	\$ 510	\$ 86	0.68%
Education Outreach	RES	1.03%	1.95%	2.50%	\$ 958	\$ (124)	0.60%
Cool Roof	C/I	1.21%	0.00%	2.50%	\$ 898	\$ (88)	0.50%
Cooling	C/I	2.76%	0.00%	2.08%	\$ 1,218	\$ 39	0.33%
Chiller	C/I	3.86%	3.62%	2.82%	\$ 2,629	\$ 341	0.33%
Lighting Occupancy Sensors	C/I	0.30%	0.22%	0.58%	\$ 56	\$ (72)	0.30%
Research and Development	C/I	0.00%	0.00%	0.00%	\$ -	\$ -	0.27%
Conservation Value	C/I	0.91%	0.63%	1.67%	\$ 620	\$ 160	0.23%
Building Envelope	C/I	0.63%	0.03%	0.36%	\$ 36	\$ (2)	0.15%
Electronically Commutated Motors	RES	1.81%	2.13%	1.74%	\$ 244	\$ (6)	0.10%
HVAC Re-commissioning	RES	8.23%	8.46%	6.96%	\$ 793	\$ 64	0.10%
Electronically Commutated Motors	C/I	0.75%	0.00%	2.55%	\$ 711	\$ 159	0.03%
Energy Recovery Ventilation	C/I	0.46%	0.20%	0.28%	\$ -	\$ (15)	0.03%
Cogeneration	C/I	0.00%	0.00%	0.00%	\$ -	\$ -	0.02%
HVAC Re-commissioning	C/I	4.59%	0.00%	2.15%	\$ 697	\$ (10)	0.02%
Water Heating	C/I	0.01%	0.00%	0.03%	\$ 6	\$ -	0.02%
Refrigeration (Anti-Condensate)	C/I	0.02%	0.01%	0.07%	\$ 8	\$ -	0.02%
Commercial Load Management	C/I	1.14%	0.59%	0.00%	\$ 34	\$ 25	0.01%
Energy Efficient Motors	C/I	0.14%	0.17%	0.13%	\$ 16	\$ 1	0.01%

Progress Energy Florida, Inc.

Program Name	Type	% Total Goal			Net Benefits		ECCR (%)
		Sum	Win	Ann	E-TRC	E-RIM	
		(%)	(%)	(%)	(\$000)	(\$000)	
Energy Management	RES	9.92%	22.96%	0.00%	\$ 7,312,911	\$ 139,704	18.97%
Technical Potential	RES	33.10%	15.99%	50.55%	\$ 136,709	\$ (969,298)	18.33%
Home Energy Improvement	RES	22.04%	37.54%	17.56%	\$ 95,141	\$ (210,613)	13.81%
Interruptible Service	C/I	0.28%	0.32%	0.00%	\$ 6,000	\$ 4,872	10.23%
Residential Education	RES	7.39%	4.99%	8.97%	\$ 84,825	\$ (107,844)	8.25%
Business Energy Response	C/I	8.99%	4.39%	5.02%	\$ 206,998	\$ 21,865	6.43%
Better Business	C/I	6.54%	2.32%	7.51%	\$ 8,952	\$ (69,369)	4.95%
Commercial/ Industrial New	C/I	2.40%	0.89%	2.09%	\$ 2,058	\$ (20,075)	1.97%
New Construction	RES	2.77%	3.55%	2.42%	\$ 17,306	\$ (29,266)	1.57%
Neighborhood Energy Saver	RES	3.43%	2.79%	2.81%	\$ 7,208	\$ (47,897)	1.32%
Commercial Education	C/I	1.17%	0.58%	0.81%	\$ 3,060	\$ (6,537)	1.12%
Standby Generation	C/I	3.75%	4.02%	0.00%	\$ 79,161	\$ 68,926	0.97%
Curtable Service	C/I	0.18%	0.28%	0.00%	\$ 4,450	\$ 3,787	0.54%
Low Income Weatherization	RES	0.47%	0.75%	0.37%	\$ 2,228	\$ (5,571)	0.42%
Commercial Green Building	C/I	1.11%	0.73%	0.90%	\$ 363	\$ (9,515)	0.40%
Business Energy Saver	C/I	0.21%	0.06%	0.11%	\$ 430	\$ (917)	0.18%