Susan D. Ritenour Secretary and Treasurer and Regulatory Manager

June 14, 2010

One Energy Place Pensacola, Florida 32520-0781

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COMPLISSION CLERK



Ms. Ann Cole Commission Clerk Florida Public Service Commission 2540 Shumard Oak Boulevard Tallahassee, FL 32399-0850

Dear Ms. Cole:

RE: Gulf Power Company's Demand Side Management Plan (Docket No. 100154-EG)

Gulf Power has discovered a few minor errors in parts of the data associated with four items in the Company's DSM Plan filed on March 30, 2010. It is important to note that none of these discovered errors reduce Gulf's projected plan achievement; and, in fact, one of the corrections results in an upward adjustment in total winter and summer mW demand reductions. Also, Gulf's responses to Staff's First and Second Data Requests reflect the corrected information described herein.

The errors have been corrected and the revised pages are attached for insertion into the DSM Plan. The following is a brief description for each of the changes appearing on the pages to be replaced.

1. Home Energy Reporting Program

Page 1-3

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In the column labeled "Annual (1a)", the savings resulting from the Home Energy Reporting program were inadvertently excluded from the GWh Plan Reductions for years 2011, 2012 and 2013. This omission does not affect the "Cumulative (1b)" column for the following reason. For years 2011-2013, Gulf's proposed DSM Plan includes savings associated with the Home Energy Reporting program. This program motivates behavioral change in energy consumption. Due to the uncertainty of the long-term sustainability of these savings, Gulf did not reflect them in the cumulative savings column beyond the three years of program deployment. If during the initial three year implementation of this program, the program results support longer-term benefit, then Gulf will reflect those savings in progress towards the cumulative goal.

Pages 4-1 through 4-4

These pages reflect corrections in the cost effectiveness results for the Home Energy Reporting program. Cost effectiveness analyses now correctly reflect utility program costs as recurring costs per customer versus non-recurring cost per customer.

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Ms. Ann Cole June 14, 2010 Page Two

2. Summer & Winter Targets for 2010

Page 1-6

The "DSM Plan Annual Winter mW Reduction" and "DSM Plan Annual Summer mW Reduction" columns omitted the 2010 demand reductions accruing due to participation in the Commercial/Industrial RTP program.

The "DSM Plan Cumulative Winter mW Reduction" and "DSM Plan Cumulative Summer mW Reduction" columns in the Commercial/Industrial table for years 2010 - 2019 should reflect the addition of the 2010 RTP program annual demand reductions.

3. Refrigerator Recycling Program

Page 2-67

The cost effectiveness test results indicated in the table have been updated to reflect corrections in the cost effectiveness evaluation of the Refrigerator Recycling Program as described below.

Pages 4-97 through 4-100

These pages reflect corrections in the cost effectiveness results for the Refrigerator Recycling Program as follows: The original evaluation failed to account for ongoing savings from systems removed from participants' homes throughout the program life.

4. Insulation - Ceiling Roof & Reflective Roof

Page 2-79

The cost effectiveness test results indicated in the table for the Insulation – Ceiling/Roof and Reflective Roof Programs reflect correction in the cost effectiveness evaluations as described below.

Pages 4-117 through 4-120

These pages reflect corrections in the cost effectiveness results for the Insulation – Ceiling/roof Program as follows: The Insulation – ceiling/roof analysis projected participation for the years 2011 - 2019 versus the corrected participation years of 2010 - 2019.

Pages 4-137 through 4-140

These pages reflect corrections in the cost effectiveness results for the Reflective Roof Program as follows: The Reflective Roof measure failed to account for the savings in the final year of program life from measures installed by participants and inappropriately credited back program cost, incentive cost and participant cost in the final year. Ms. Ann Cole June 14, 2010 Page Three

Please insert the attached pages to replace the similarly numbered pages in the original and 15 copies of the DSM Plan filed by Gulf Power Company on March 30, 2010.

Sincerely,

Susan D. Ritenous

lw

Attachment

cc w/attach: Beggs & Lane Jeffrey A. Stone Florida Public Service Commission Katherine E. Fleming Florida Solar Energy Industry Association Suzanne Brownless SACE George Cavros Wal-Mart Rick D. Chamberlain approximately 460%. In addition, the reduced energy consumption associated with these programs represents a non-fuel revenue impact of approximately \$198 million to Gulf Power over this same ten year period. The following table provides additional details of these projections:

DSM Plai	n Reductio (1)	ns (GWh)	DSM Pla (2		Residential	Non-fue!	DSM Plan costs +
Year	Annual (1a)	Cumulative (1b)	Energy Efficiency and Demand Response (2a)	Renewables (2b)	ECCR Impacts @ 1200 kWh ¹ (3)	Revenue Impact (4) (1b x \$ / MWH)	Non-fuel Revenue Impacts (2a +2b + 4)
Current					\$1.25		
2010	18	18	\$22,720,243	\$900,338	\$2.76	\$1,052,820	\$24,673,401
2011	46	64	\$44,707,290	\$900,338	\$5.19	\$3,700,400	\$49,308,028
2012	62	114	\$48,679,305	\$900,338	\$5.42	\$6,841,120	\$56,420,763
2013	68	171	\$53,192,692	\$900,338	\$5.72	\$10,436,598	\$64,529,628
2014	77	236	\$60,536,084	\$900,338	\$6.38	\$14,802,654	\$76,239,076
2015	76	312	\$69,183,865		\$7.05	\$22,167,904	\$91,351,769
2016	71	384	\$67,132,391		\$6.70	\$27,657,096	\$94,789,487
2017	67	451	\$62,468,902		\$6.09	\$32,065,404	\$94,534,306
2018	64	515	\$60,396,381		\$5.78	\$37,602,300	\$97,998,681
2019	61	576	\$57,903,385		\$5.42	\$41,558,400	\$99,461,785
TOTALS		576	\$546,920,537	\$4,501,690		\$197,884,696	\$749,306,923
Total measu	are impact ²	5,764				\$407,885,490	

¹ Residential Class ECCR impacts of the program costs in 2a and 2b based on Gulf's standard ECCR calculation, calculated by applying those program costs to the residential class ECCR demand and energy allocation factors, summing the resulting costs, dividing that sum by the kWh energy sales for that customer class, and multiplying by 1200.

² assumes average 10 year life of measures implemented each year of Plan

The projected residential ECCR impacts for each year of the Plan are shown in the following

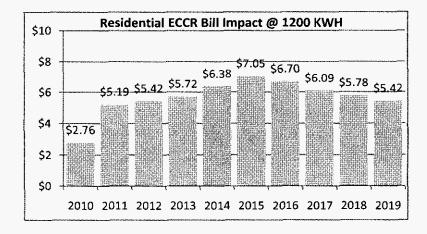


table:

Overall, Gulf Power Company's 2010 DSM Plan has been designed to achieve the cumulative ten year demand and energy numeric goals set by the FPSC in the Goals Order. A summary of the annual program targets by market, residential and commercial/industrial, is provided below:

		Sav	Residenti ings at the G			
Year	DSM Plan Annual gWh Reduction	DSM Plan Cumulative gWh Reduction	DSM Plan Annual Winter mW Reduction	DSM Plan Cumulative Winter mW Reduction	DSM Plan Annual Summer mW Reduction	DSM Plan Cumulative Summer mW Reduction
2010	15.4	15.4	5.9	5.9	5.0	5.0
2011	40.1	55.5	11.5	17.3	10.6	15.6
2012	54.5	98.6	14.5	29.0	13.6	26.5
2013	57.3	144.4	17.2	43.5	17.0	40.8
2014	65.1	198.1	19.0	59.8	19.4	57.4
2015	63.2	261.3	18.6	78.4	18.9	76.2
2016	58.5	319.9	17.0	95.3	17.0	93.2
2017	55.2	375.1	16.4	111.7	16.0	109.2
2018	52.7	427.8	15.9	127.6	15.2	124.3
2019	50.3	478.0	15.5	143.2	14.4	138.8

			ommercial/Ind /ings at the G			
Year	DSM Plan Annual gWh Reduction	DSM Plan Cumulative gWh Reduction	DSM Plan Annual Winter mW Reduction	DSM Plan Cumulative Winter mW Reduction	DSM Plan Annual Summer mW Reduction	DSM Plan Cumulative Summer mW Reduction
2010	2.6	2.6	3.4	3.4	6.2	6.2
2011	5.6	8.3	1.1	4.5	2.1	8.3
2012	7.5	15.8	1.4	5.9	2.8	11.0
2013	10.4	26.3	1.8	7.7	3.9	14.9
2014	11.8	38.1	2.1	9.8	4.4	19.4
2015	13.0	51.0	2.1	11.9	4.9	24.3
2016	12.8	63.8	2.1	14.0	4.9	29.1
2017	11.9	75.7	2.0	16.1	4.5	33.6
2018	11.6	87.3	1.9	18.0	4.4	38.0
2019	10.7	98.0	1.8	19.8	4.0	42.0

The contribution, by program, to the cumulative ten year energy reduction goals is illustrated in the following tables:



This program will be administered by an independent third party contractor who also will have primary responsibility for program promotion and outreach.

Program Benefits and Cost Effectiveness

The energy and demand savings associated with this program were developed using a variety of sources, including: measure savings data from the Itron study; computer-based engineering modeling software; and actual program performance data gathered by Gulf Power or its energy efficiency program contractors.

Cost-effective results are shown for the RIM, TRC, and PCT, and are based on the incentive levels identified below.

		Per Unit Re		Cost effectiveness test				
Measure	Max Incentive	Energy kWh	Summer Peak kW	Winter Peak kW	RIM	TRC	РТ	
Refrigerator Recycling	\$35	738	.08	.08	0.68	2.46	99.00	

Monitoring and Evaluation

Gulf Power will monitor and evaluate program performance and progress toward goal achievement on a continual basis. Gulf, or its designee, will randomly perform full field verification of installation on a minimum of 10 percent of the recycled appliances to ensure compliance with program standards.



Program Benefits and Cost Effectiveness

The following kW demand and kWh energy saving evaluations were developed using a variety of sources including measure savings data from the Itron study, computer-based engineering modeling software, and actual program performance data gathered by Gulf Power or its energy efficiency program contractors. Evaluation results are shown for RIM, TRC, and PT, and are based on the maximum incentives identified in the following table.

	r	Per Unit	Reduction	· · · ·	Cost effectiveness test			
Measure	Max Incentives	Energy kWh	Summer Peak kW	Winter Peak kW	RIM	TRC	PT	
HVAC Upgrade – Air Source A/C or Heat Pump	\$225/ton	652	0.15	0	0.90	2.89	4.22	
HVAC upgrade – Geothermal	\$500/ton	685	0.29	0.27	0.92	1.65	1.68	
Heat Pump Water Heater	\$7,500/5 ton	41,241	10	11.80	0.97	3.18	4.60	
Insulation – ceiling / roof	0.15/sq ft	.863	.00052	.00011	1.28	4.53	4.69	
Window Film	\$2.00/sq ft	11	.00325	0	0.98	2.39	3.22	
Lighting: T-5, T-8 Retrofit; Hard-wired CFL	\$150/kW	4,380	1.0	1.0	1.02	3.50	5.67	
Lighting: LED Exit Signs, Display Case	\$300/kW	4,380	1.0	1.0	1.00	2.49	3.28	
Lighting: Occupancy Sensor	\$25/unit	800	.20	.20	1.04	5.76	20.84	
Reflective Roof	\$0.90/ sq ft	2.45	0.00091	0	1.00	2.50	2.96	

Monitoring and Evaluation

Gulf Power will monitor and evaluate program performance and progress toward goal

achievement on a continual basis. Participating customer information will be recorded in the

PSC Form CE 1.1 Page 1 of 1 Run Date: 08-Jun-10 10:32 AM Filename: Home Energy Rpt

INPUT DATA -- PART 1

Cost-Effectiveness Analysis per Rule 25-17.008 Florida Administrative Code

(1) Change in Peak kW Customer at meter	-0.06	kW/Cus	IV. Incremental Generation, Transmission, & Distribut			
(2) Change in Peak kW per Customer at generator		kW Gen/Cus	(1) Base Year	2009		···
(3) kW Line Loss Percentage		-	(2) In-Service Year For Incremental Generation	2014 **		
(4) Change in KWh per Customer at generator	14.21%		(3) In-Service Year For Incremental T & D	2011		
(5) kWh Line Loss Percentage		kWh/Cus/Yr	(4) Base Year Incremental Generation Cost	\$819.89 \$/		
(6) Group Line Loss Multiplier	9.05%	-	(5) Base Year Incremental Transmission Cost	\$249.00 \$/	(W	
(7) Annual Change in Customer kWh at Meter	1.0007		(6) Base Year Incremental Distribution Cost	\$110.75 \$/	W	
(7) Annual Change in Customer kwn at Meter * (8) Change in Winter kW per Cust at meter		kWh/Cus/Yr	(7) Gen, Tran, & Dist Cost Escalation Rate	1.70%		
tor change in winter kw per cust at meter	-0.06	kW/Cus	(8) Generator Fixed O & M Cost	\$54.55 \$/	:W/Yr	
			(9) Generator Fixed O&M Escalation Rate	0.54%		
			(10) Transmission Fixed O & M Cost	\$3.11 \$/k	:W/Yr	
			(11) Distribution Fixed O & M Cost	\$2.77 \$/k	W/Yr	
(1) DSM Broomer Study Badad		· · · · · · · · · · · · · · · · · · ·	(12) T&D Fixed O&M Escalation Rate	1.70%		
(1) DSM Program Study Period		Years	(13) Incremental Gen Variable O & M Costs	\$0.000 \$/k	W/Yr	
(2) Economic Life of Incremental Generation		Years	(14) Incre Gen Variable O&M Cost Esc Rate (15) Incremental Gen Capacity Factor (16) Incremental Generating Unit Fuel Cost (17) Incremental Gen Unit Fuel Esc Rate (18) Incremental Purchased Capacity Cost	0.00%		
(3) Economic Life of Incremental T&D		Years	(15) Incremental Gen Capacity Factor	40.80%		
(4) K-Factor for Generation	1.4640		(16) Incremental Generating Unit Fuel Cost	\$0.0833 \$/k	Wh	
(5) K-Factor for T&D	1.4604		(17) Incremental Gen Unit Fuel Esc Rate	3.61%		
* (6) Switch: Rev Req (0) or Val-of-Def (1)	1		(18) Incremental Purchased Capacity Cost	\$30.56 \$/K	W/YR	
. Utility & Customer Costs			(19) Incremental Capacity Cost Esc Rate	23.96%		
(1) Utility Nonrecurring Cost Per Customer	\$0.00	\$/Cus	Stop Revenue Loss at In-Service Year? (Y=1, N=0)			
(2) Utility Recurring Cost Per Customer		\$/Cus/Year		0		
(3) Utility Cost Escalation Rate	1.70%	W 003 1 001	V. (1) Non-Fuel Cost in Customer Bill (Base Year)			
(4) Customer Equipment Cost	\$25.00	\$/Cue	(1) Non-Fue! Cost In Customer Bill (Base Year)	AA AEEA		
(5) Customer Equpiment Cost Escalation Rate	1.70%	ψ/Cus	(1) Non-Fuel Escalation Rate	\$0.0509 \$/k	Wh	_
(6) Customer O&M Cost		\$/Cus/Year		Per Table		
(7) Customer O&M Cost Escalation Rate	1.70%	or cusi reat	(3) Customer Demand Charge Per kW (Base Year)	\$0.0000 \$/k	N/Mo	
* (8) Customer Tax Credit Per Installation	\$0.00	\$/Cup	(4) Demand Charge Escalation Rate	Per Table		
* (9) Customer Tax Credit Escalation Rate	1.70%	a/∪us	* (5)Average Annual Change in Monthly Billing kW	0 kW	/Mo.	
* (10) Change in Supply Costs		¢10				
* (11) Supply Costs Escalation Rate		\$/Cus/Year	↑ · A# · MN ·			
(11) Supply Costs Escalation Rate	1.70%					
* (13) Utility AFUDC Rate	8.44%		Summary Results for This A	nalysis		
	7.48%			TRC	Participants'	R/M
* (14) Utility Nonrecurring Rebate/Incentive	\$0.00		NPV Benefits(\$000s)	\$2,883	\$3,173	\$2.88
* (15) Utility Recurring Rebate/Incentive		\$/Cus/Year	NPV Costs (\$000s)	\$1,745	\$821	\$4,09
* (16) Utility Rebate/Incentive Escalation Rate	0.00%		NPV Net Benefits (\$000s)	\$1,138	\$2,352	(\$1,21
			Benefit:Cost Ratio	1.652	3.866	0.70

* Supplemental information.

** The relevant avoidable generation unit is a combined cycle unit.

PSC Form CE 2.3 Page 1 of 1 Run Date: 08-Jun-10 10:32 AM Filename: Home Energy Rpt

1	2	3	4	5	6	per Rule 25-17 7	8	9	10	11	12	13
Bat	Change in Electric Supply Costs (\$000s)	Utility's Program Costs (\$000s)	Participants' Program Costs (\$000s)	Other Costs (\$000s)	Other Benefits (\$000s)	Incremental Generation Cap Costs (\$000s)	Incremental T&D Cap Costs (\$000s)	Incremental Prog Induced Fuel Costs (\$000s)	Total Costs (\$000s)	Total Benefits (\$000s)	Total Net Benefits (\$000s)	Cumulative Discounted Net Benefits (\$000s)
009		\$0	(3000s) \$0	(10000s) \$0	\$0	(\$0003)	\$0	\$0	(\$0005) \$0	\$0	(\$0005) \$0	(\$0005)
10	\$0	\$356	\$890	\$0 \$0	\$0	\$0	\$0	(\$1,025)	\$1,246	\$1,025	(\$221)	(\$2)
011	\$0	\$362	\$0	\$0	\$0	\$0	(\$130)	(\$1,049)	\$362	\$1,179	\$817	\$4
912	\$0	\$368	\$O	\$ 0	\$0	\$ 0	(\$132)	(\$1,060)	\$368	\$1,192	\$8 24	\$1,1
ninal		\$1,086	\$890				(\$262)	(\$3,135)	\$1,976	\$3,397	\$1,421	
		\$925	\$821	\$0	\$0	\$0	(\$214)	(\$2,669)	\$1,976	\$3,397 \$2,883	\$1,421 \$1,138	
NPV												

Total Resource Cost-Effectiveness Measure

PSC Form CE 2.4 Page 1 of 1 Run Date: 08-Jun-10 10:32 AM Filename: Home Energy Rpt

			COSI	Enecuvenes	s Analysis per F	lule 25-17.0	08 Florida Adı	<u>min</u> istrative (Code		
1	2	3	4	5	6 Change in	7	8 Utility Paid	9	10	11 Total	12 Cumulative
Year	Customer Equip Costs (\$000s)	Customer O&M Costs (\$000s)	Other Costs (\$000s)	Other Benefits	Participants' Electric Bills	Tax Credits	Rebates & Incentives	Total Costs	Total Benefits	Net Benefits	Discounted Net Benefits
2009	\$0	(\$0005) \$0	(\$0005) \$0	(\$000s) \$0	(\$000s) \$0	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)
2010	\$890	\$0	\$0 \$0	\$0 \$0		\$0 \$0	\$0	\$0	\$0	\$0	1
2011	\$0	\$0	\$0	\$0 \$0	(\$1,254) (\$1,237)	\$0 \$0	\$0 \$0	\$890	\$1,254	\$364	\$33
2012	sõ	\$0	\$0 \$0	\$0 \$0	(\$1,237)	\$0 \$0	\$0 \$0	\$0 \$0	\$1,237 \$1,230	\$1,237	\$1,38
					(#1,200)	ψŪ	φU	40	¥1,230	\$1,230	\$2,3
	\$890	· · · · · · · · · · · · · · · · · · ·			(\$3,720)			\$890	\$3,720	\$2,830	
minal	2090										

Participants' Cost-Effectiveness Measure

_25					Ratepayers' In	npact Cost-Eff	ectiveness Meas	ure				Run Date:	SC Form CE 2 Page 1 0 08-Jun 10:32 / Home Energy R
				Cost-Effective	eness Analysis	per Rule 25-1	7.008 Florida Adı	ninistrative (Code				
_1	2	3	4	5	6	7	8	9	10	11	12	13	14
fear 1009	Change in Electric Supply Costs (\$000s) \$0.000	Utility's Program Costs (\$000s) \$0.000	Utility Paid Rebates & Incentives (\$000s) \$0.000	Change in Electric Revenues (\$000) \$0.000	Incremental Generation Cap Costs (\$000s) \$0.000	Incremental T&D Cap Costs (\$000s) \$0.000	Incremental Prog Induced Fuel Costs (\$000s) \$0.000	Other Costs (\$000s)	Other Benefits (\$000s)	Total Costs (\$000s)	Total Benefits (\$000s)	Total Net Benefits to All Customers (\$000s)	Cumulative Discounted Net Benefits (\$000s)
2010 2011 2012	\$0.000 \$0.000 \$0.000 \$0.000	\$355.950 \$362.001 \$368,155	\$0.000 \$0.000 \$0.000 \$0.000	\$0,000 (\$1,254.165) (\$1,236.601) (\$1,229.574)	\$0.000 \$0.000 \$0.000	\$0.000 \$0.000 (\$129.752) (\$131.958)	\$0.000 (\$1,025.037) (\$1,049.304) (\$1,060.478)	\$0.000 \$0.000 \$0.000 \$0.000	\$0.000 \$0.000 \$0.000 \$0.000	\$0.000 \$1,610.115 \$1,598.602 \$1,597.730	\$0.000 \$1,025.037 \$1,179.055 \$1,192.436	\$0.000 (\$585.078) (\$419.547) (\$405.294)	\$0.((\$539.) (\$896.) (\$1,214.2
ninal		61 000 000		(#1 720 ALA)									
NPV	_	\$1,086.106 \$924.850	\$0.000	(\$3,720.340) (\$3,172.563)	\$0.000	(\$261.709) (\$213.837)	(\$3,134.819) (\$2,669.360)	\$0.000	\$0.000	\$4,806.446 \$4,097.413	\$3,396.528	(\$1,409.918)	
	nt Rate =	8.44%			40.000	(*** 10.001)	(000.000)	40.000	40.000	#4,037.413	\$2,883.197	(\$1,214.217)	

Revised 4-4

PSC Form CE 1.1 Page 1 of 1 Run Date: 08-Jun-10 11:09 AM Filename: 35 Refrigerator Recycling

INPUT DATA -- PART 1

Cost-Effectiveness Analysis per Rule 25-17.008 Florida Administrative Code

I. Program Demand Impacts and Line Losses IV. Incremental Generation, Transmission, & Distribution Costs (1) Change in Peak kW Customer at meter -0.08 kW/Cus (1) Base Year 2009 (2) Change in Peak kW per Customer at generator -0.11 kW Gen/Cus (2) In-Service Year For Incremental Generation 2014 ** (3) kW Line Loss Percentage 14.21% (3) In-Service Year For Incremental T & D 2010 (4) Change in KWh per Customer at generator (805) kWh/Cus/Yr (4) Base Year Incremental Generation Cost \$819.89 \$/kW (5) kWh Line Loss Percentage 9.05% (5) Base Year Incremental Transmission Cost \$137.53 \$/kW (6) Group Line Loss Multiplier 1.0007 (6) Base Year Incremental Distribution Cost \$69.97 \$/kW (7) Annual Change in Customer kWh at Meter (738) kWh/Cus/Yr (7) Gen, Tran, & Dist Cost Escalation Rate 1.70% * (8) Change in Winter kW per Cust at meter -0.08 kW/Cus (8) Generator Fixed O & M Cost \$54.55 \$/kW/Yr (9) Generator Fixed O&M Escalation Rate 0.58% (10) Transmission Fixed O & M Cost \$1,72 \$/kW/Yr (11) Distribution Fixed O & M Cost \$2.77 \$/kW/Yr II. Economic Life and K-Factors (12) T&D Fixed O&M Escalation Rate 1.70% (1) DSM Program Study Period 16 Years (13) Incremental Gen Variable O & M Costs \$0.000 \$/kW/Yr (2) Economic Life of Incremental Generation 40 Years (14) Incre Gen Variable O&M Cost Esc Rate 0.00% (3) Economic Life of Incremental T&D 35 Years (15) Incremental Gen Capacity Factor 40.80% (4) K-Factor for Generation 1.4640 (16) Incremental Generating Unit Fuel Cost \$0.0801 \$/kWh (5) K-Factor for T&D 1.4604 (17) Incremental Gen Unit Fuel Esc. Rate 3.59% (6) Switch: Rev Reg (0) or Val-of-Def (1) (18) Incremental Purchased Capacity Cost 1 \$30.56 \$/KW/YR (19) Incremental Capacity Cost Esc Rate 8.49% III. Utility & Customer Costs (1) Utility Nonrecurring Cost Per Customer \$335.00 \$/Cus Stop Revenue Loss at In-Service Year? (Y=1, N=0) 0 (2) Utility Recurring Cost Per Customer \$0.00 \$/Cus/Year (3) Utility Cost Escalation Rate 0.00% V. (1) Non-Fuel Cost in Customer Bill (Base Year) (4) Customer Equipment Cost \$0.00 \$/Cus (1) Non-Fuel Cost In Customer Bill (Base Year) \$0.0509 \$/kWh (5) Customer Equpiment Cost Escalation Rate 1.70% (2) Non-Fuel Escalation Rate Per Table (6) Customer O&M Cost \$0.00 \$/Cus/Year (3) Customer Demand Charge Per kW (Base Year) \$0.0000 \$/kW/Mo (7) Customer O&M Cost Escalation Rate (4) Demand Charge Escalation Rate 1.70% Per Table * (8) Customer Tax Credit Per Installation \$0.00 \$/Cus * (5)Average Annual Change in Monthly Billing kW 0 kW/Mo. (9) Customer Tax Credit Escalation Rate 1.70% * (10) Change in Supply Costs \$0.00 \$/Cus/Year * (11) Supply Costs Escalation Rate 1.70% * (12) Utility Discount Rate 8.44% Summary Results for This Analysis (13) Utility AFUDC Rate 7.48% TRC Participants' RIM (14) Utility Nonrecurring Rebate/Incentive \$35.00 \$/Cus NPV Benefits(\$000s) \$12,582 \$13,422 \$12,582 (15) Utility Recurring Rebate/Incentive \$0.00 \$/Cus/Year NPV Costs (\$000s) \$5,121 \$0 \$18,543 (16) Utility Rebate/Incentive Escalation Rate 0.00% NPV Net Benefits (\$000s) \$7,461 \$13,422 (\$5,961) Benefit:Cost Ratio 2.457 99.000 0.679

* Supplemental information.

** The relevant avoidable generation unit is a combined cycle unit.

PSC Form CE 2.3 Page 1 of 1 Run Date: 08-Jun-10 11:09 AM Filename: Configerator Recy

1	2	3	4	5	6	7	8	dministrative Co 9	10	11	12	13
	Change in	<u>~</u>		<u> </u>	<u> </u>	Incremental	Incremental	Incremental	<u> </u>		Total	Cumulative
	Electric	Utility's	Participants'	Other	Other	Generation	T&D	Prog Induced	Total	Total	Net	Discounted
	Supply Costs	Program Costs	Program Costs	Costs	Benefits	Cap Costs	Cap Costs	Fuel Costs	Costs	Benefits	Benefits	Net Benefits
Year	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)
2009	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$I
2010	\$ 0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4
2011	\$0	\$586.25	\$0	\$0	\$0	\$0	(\$5)	(\$123)	\$586	\$129	(\$458)	(\$389
2012	\$0	\$1,172.50	\$0	\$0	\$0	\$0	(\$16)	(\$372)	\$1,173	\$388	(\$785)	(\$1,00
2013	\$0	\$1,172.50	\$0	\$0	\$0	\$0	(\$27)	(\$658)	\$1,173	\$685	(\$488)	(\$1,35
2014	\$0	\$1,172.50	\$0	\$0	\$0	(\$196)	(\$38)	(\$892)	\$1,173	\$1,126	(\$46)	(\$1,38
2015	\$ 0	\$1,172.50	\$0	\$0	\$0	(\$255)	(\$50)	(\$1,368)	\$1,173	\$1,673	\$500	(\$1,08
2016	\$0	\$670.00	\$0	\$0	\$0	(\$291)	(\$57)	(\$1,604)	\$670	\$1,952	\$1,282	(\$35:
2017	\$0	\$670.00	\$0	\$0	\$0	(\$328)	(\$65)	(\$1,821)	\$670	\$2,214	\$1,544	\$454
2018	\$0	\$670.00	\$0	\$0	\$0	(\$365)	(\$73)	(\$2,079)	\$670	\$2,518	\$1,848	\$1,345
2019	\$0	\$670.00	\$0	\$0	\$0	(\$404)	(\$81)	(\$2,367)	\$670	\$2,852	\$2,182	\$2,316
2020	\$0	\$0	\$ 0	\$0	\$0 \$0	(\$410)	(\$82)	(\$2,336)	\$0 \$0	\$2,827	\$2,827	\$3,476
2021	\$0	\$0	\$0 60	\$0	\$0 \$0	(\$415)	(\$84)	(\$2,342)	\$0 \$0	\$2,841	\$2,841	\$4,551
2022	\$0	\$0 \$0	\$0 60	\$0	\$0 \$ 0	(\$420)	(\$85)	(\$2,407)	\$0	\$2,913	\$2,913	\$5,567
2023 2024	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	(\$426)	(\$86) (\$88)	(\$2,497) (\$2,601)	\$0 \$0	\$3,009	\$3,009	\$6,535
2024	40	20	40	40	40	(\$432)	(400)	(#2,001)	30	\$3,120	\$3,120	\$7,461
minal		\$7,956		•		(\$3,941)	(\$837)	(\$23,468)	\$7,956	\$28,246	\$20,289	
NPV		\$5,121	\$ 0	\$0	\$0	(\$1,716)	(\$379)	(\$10,487)	\$5,121	\$12,582	\$7,461	
	ount Rate =	8.44%				· · · · · · · · · · · · · · · · · · ·						
D	/Cost Ratio =	2.46										

Total Resource Cost-Effectiveness Measure Cost-Effectiveness Analysis per Rule 25-17.008 Florida Administrative Code

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1	2	3	4	5	6 Analysis per F	7	8	9	10		
				Ť	Change in		Utility Paid		10	11	12
	Customer	Customer	Other	Other	Participants'	Tax	Rebates &	Total	T . 4 . 1	Total	Cumulative
	quip Costs	O&M Costs	Costs	Benefits	Electric Bills	Credits	Incentives		Total	Net	Discounted
Year	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	Costs (\$000s)	Benefits	Benefits	Net Benefits
2009	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$0005) \$0	(\$000s)	(\$000s)	(\$000s)
2010	\$0	\$0	\$0	\$0	\$0	\$0 \$0	\$0	\$0	\$0 \$0	\$0	
2011	\$0	\$0	\$0	\$0	(\$152)	\$0	\$61	\$0 \$0	\$213	\$0	\$0.0
2012	\$0	\$0	\$0	\$0	(\$454)	\$0	\$123	\$0 \$0	\$576	\$213 \$576	\$11
2013	\$0	\$0	\$0	\$0	(\$768)	\$0	\$123	\$0 \$0	\$890	\$375 \$890	\$6
2014	\$0	\$0	\$0	\$0	(\$1,110)	\$0	\$123	\$0 \$0	\$1,233	\$1,233	\$1,2 \$2,0
2015	\$0	\$0	\$0	\$0	(\$1,671)	\$0	\$123	\$0	\$1,794	\$1,794	\$2,0 \$3,2
2016	\$0	\$0	\$0	\$0	(\$1,950)	\$0	\$70	\$0	\$2,020	\$2,020	\$3,2 \$4,3
2017	\$0	\$0	\$0	\$0	(\$2,162)	\$0	\$70	\$ 0	\$2,232	\$2,232	\$5,5
2018	\$0	\$0	\$0	\$0	(\$2,455)	\$0	\$70	\$0	\$2,525	\$2,525	30,5 \$6,7
2019	\$0	\$0	\$0	\$0	(\$2,760)	\$0	\$70	\$0	\$2,830	\$2,830	\$7,9
2020	\$0	\$0	\$0	\$0	(\$2,878)	\$0	\$0	\$0	\$2,878	\$2,878	\$7,95 \$9,1
2021	\$0	\$0	\$0	\$0	(\$2,996)	\$0	\$0	\$0	\$2,996	\$2,996	39,1 \$10,3
2022	\$0	\$0	\$0	\$0	(\$3,111)	\$0	\$0	\$0	\$3,111	\$3,111	\$10,3
2023	\$0	\$0	\$0	\$0	(\$3,222)	\$0	\$0	\$0	\$3,222	\$3,222	\$12,4
2024	\$0	\$0	\$0	\$0	(\$3,345)	\$0	\$0	\$0	\$3,345	\$3,345	\$13,4
ominal					(\$29,035)		\$831		\$29,866	\$29,866	
NPV		\$0	\$0	\$0	(\$12,887)	\$0	\$535	\$0	\$13,422	\$13,422	
Discount R		8.44%								+	
Benefit/Cost	Ratio =	99.00									

Participants' Cost-Effectiveness Measure Cost-Effectiveness Analysis per Rule 25-17 008 Elorida Administrative Code

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	2	3	4	5	6	7	8 8 8 101 800.	9	10	11	12	13	14
	Change in	Utility's	Utility Paid	Change in	Incremental	Incremental	Incremental				·	Total Net	Cumulative
	Electric	Program	Rebates &	Electric	Generation	T&D	Prog Induced	Other	Other	Total	Total	Benefits to	Discounted
	Supply Costs	Costs	Incentives	Revenues	Cap Costs	Cap Costs	Fuel Costs	Costs	Benefits	Costs	Benefits	All Customers	Net Benefits
Year	(\$000s)	(\$000s)	(\$000s)	(\$000)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)
2009	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0,000	\$0.000
2010	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000
2011	\$0.000	\$586.250	\$61.250	(\$152.102)	\$0.000	(\$5.202)	(\$123.309)	\$0.000	\$0.000	\$799.602	\$128.511	(\$671.091)	(\$570.724)
2012	\$0.000	\$1,172.500	\$122.500	(\$453.713)	\$0.000	(\$15.870)	(\$371.638)	\$0.000	\$0.000	\$1,748.713	\$387.508	(\$1,361,205)	(\$1,638.280)
2013	\$0.000	\$1,172.500	\$122.500	(\$767.908)	\$0.000	(\$26.900)	(\$657,720)	\$0.000	\$0.000	\$2,062.908	\$684.620	(\$1,378.288)	(\$2,635.129)
2014	\$0.000	\$1,172.500	\$122.500	(\$1,110.007)	(\$195.563)	(\$38.301)	(\$892.495)	\$0.000	\$0.000	\$2,405.007	\$1,126.359	(\$1,278.648)	(\$3,487.961)
2015	\$0.000	\$1,172.500	\$122.500	(\$1,671.053)	(\$254,658)	(\$50.081)	(\$1,368.230)	\$0.000 \$0.000	\$0.000	\$2,966.053	\$1,672.968	(\$1,293.085)	(\$4,283.316)
2016 2017	\$0.000 \$0.000	\$670.000 \$670.000	\$70.000 \$70.000	(\$1,949.805) (\$2,162.289)	(\$290.686) (\$327.615)	(\$57.400) (\$64.953)	(\$1,604.311) (\$1,821.058)	\$0.000	\$0.000 \$0.000	\$2,689.805 \$2,902.289	\$1,952.396	(\$737,408)	(\$4,701.594)
2017	\$0.000	\$670.000	\$70.000	(\$2,455.321)	(\$365.468)	(\$72.747)	(\$2,079.395)	\$0.000	\$0.000	\$3,195.321	\$2,213.626	(\$688.663)	(\$5,061.829)
2019	\$0.000	\$670.000	\$70.000	(\$2,760.230)	(\$404.268)	(\$80.787)	(\$2,367,181)	\$0.000	\$0.000	\$3,500.230	\$2,517.610 \$2,852.235	(\$677.711)	(\$5,388.753)
2019	\$0.000	\$0.000	\$0.000	(\$2,878.181)	(\$409.550)	(\$82.160)	(\$2,335.724)	\$0.000	\$0.000	\$2,878.181	\$2,827.434	(\$647.994)	(\$5,677.020)
2020	\$0.000	\$0.000	\$0.000	(\$2,995.708)	(\$414.922)	(\$83.557)	(\$2,342.134)	\$0.000	\$0.000	\$2,995.708	\$2,840.612	(\$50.747) (\$155.095)	(\$5,697.839) (\$5,7 5 6.516)
2022	\$0.000	\$0.000	\$0.000	(\$3,111.246)	(\$420.385)	(\$84.977)	(\$2,407.311)	\$0.000	\$0.000	\$3,111.246	\$2,912.673	(\$198.573)	(\$5,825.796)
2023	\$0.000	\$0.000	\$0.000	(\$3,222.208)	(\$425.941)	(\$86.422)	(\$2,496.652)	\$0.000	\$0.000	\$3,222.208	\$3,009.015	(\$213.193)	(\$5,894.390)
2024	\$0.000	\$0.000	\$0.000	(\$3,345.205)	(\$431.591)	(\$87.891)	(\$2,600.619)	\$0.000	\$0.000	\$3,345.205	\$3,120.101	(\$225.104)	(\$5,961.181)
	unt Rate ≖ Cost Ratio =	\$7,956.250 \$5,121.138 8.44% 0.68	\$831,250 \$535,044	(\$29,034.974) (\$12,887.096)	(\$3,940.646) (\$1,716.239)	(\$837.248) (\$379.093)	(\$23,467.776) (\$10,486.765)	\$0.000	\$0.000	\$37,822.474 \$18,543.278	\$28,245,670 \$12,582,097	(\$9,576.805) (\$5,961.181)	

Ratepayers' Impact Cost-Effectiveness Measure Cost-Effectiveness Analysis per Rule 25-17.008 Florida Administrative Code

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INPUT DATA -- PART 1

Cost-Effectiveness Analysis per Rule 25-17.008 Florida Administrative Code

Program Demand Impacts and Line Losses (1) Change in Peak kW Customer at meter	0.00	kW/Cus	IV. Incremental Generation, Transmission, & Distrib	2009		
(2) Change in Peak kW per Customer at generator		kW Gen/Cus	(2) In-Service Year For Incremental Generation	2003		
(3) kW Line Loss Percentage	14,21%	-	(2) In-Service Year For Incremental T& D	2014		
(4) Change in KWh per Customer at generator		kWh/Cus/Yr	(4) Base Year Incremental Generation Cost	\$819.89 \$/kW		
(5) kWh Line Loss Percentage	9.05%		(4) Base Year Incremental Generation Cost (5) Base Year Incremental Transmission Cost	\$249.00 \$/kW		
(6) Group Line Loss Multiplier	1.0007	-	(6) Base Year Incremental Distribution Cost	\$110.75 \$/kW		
(7) Annual Change in Customer kWh at Meter		kWh/Cus/Yr	(b) Base real incremental Distribution Cost (7) Gen, Tran, & Dist Cost Escalation Rate	1.70%		
(7) Annual Change in Customer Kwn at Meter		kW/Cus		\$54.55 \$/kW/Yr		
(b) Change in winter kwill per cust at meter	0.00	KWW/GUS	(9) Generator Fixed O&M Escalation Rate	0.62%		
			(10) Transmission Fixed O & M Cost			
			(11) Distribution Fixed O & M Cost	\$3.11 \$/kW/Yr		
Provide the state of the state			(11) Distribution Fixed O & M Cost	\$2.77 \$/kW/Yr		
Economic Life and K-Factors			 (8) Generator Fixed O & M Cost (9) Generator Fixed O & M Cost (10) Transmission Fixed O & M Cost (11) Distribution Fixed O & M Cost (11) Distribution Fixed O & M Cost (12) T&D Fixed O&M Escalation Rate (13) Incremental Gen Variable O & M Cost Esc Rate (15) Incremental Generating Unit Fuel Cost (17) Incremental Gen Unit Fuel Esc Rate (18) Incremental Purchased Capacity Cost (19) Incremental Capacity Cost Esc Rate 	1.70%		
(1) DSM Program Study Period		Years	(13) Incremental Gen Variable O & M Costs	\$0.000 \$/kW/Yr		
(2) Economic Life of Incremental Generation		Years	(14) Incre Gen Variable O&M Cost Esc Rate	0.00%		
(3) Economic Life of Incremental T&D		Years	(15) Incremental Gen Capacity Factor	40.80%		
(4) K-Factor for Generation	1.4640		(16) Incremental Generating Unit Fuel Cost	\$0.0833 \$/kWh		
(5) K-Factor for T&D	1.4604	_	(17) Incremental Gen Unit Fuel Esc Rate	2.69%		
* (6) Switch: Rev Req (0) or Val-of-Def (1)	1	_	(18) Incremental Purchased Capacity Cost	\$30.56 \$/KW/YR		
			(19) Incremental Capacity Cost Esc Rate	5.83%		
Utility & Customer Costs		-				
(1) Utility Nonrecurring Cost Per Customer		\$/Cus	Stop Revenue Loss at In-Service Year? (Y=1, N=0)	0		
(2) Utility Recurring Cost Per Customer	\$0.00	\$/Cus/Year	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
(3) Utility Cost Escalation Rate	0.00%		V. (1) Non-Fuel Cost In Customer Bill (Base Year)			
(4) Customer Equipment Cost	\$0.40	\$/Cus	(1) Non-Fuel Cost In Customer Bill (Base Year)	\$0.0246 \$/kWh		
(5) Customer Equpiment Cost Escalation Rate	1.70%	•	(2) Non-Fuel Escalation Rate	Per Table		
(6) Customer O&M Cost	\$0.00	\$/Cus/Year	(3) Customer Demand Charge Per kW (Base Year)	\$5.4200 \$/kW/Mo		
(7) Customer O&M Cost Escalation Rate	1.70%		(4) Demand Charge Escalation Rate	Per Table		
(8) Customer Tax Credit Per Installation	\$0.00	\$/Cus	* (5)Average Annual Change in Monthly Billing kW	-0.00052 kW/Mo.		
(9) Customer Tax Credit Escalation Rate	1.70%					
(10) Change in Supply Costs		\$/Cus/Year				
* (11) Supply Costs Escalation Rate	1,70%					
* (12) Utility Discount Rate	8.44%		Summary Results for 1	his Analysis		
* (13) Utility AFUDC Rate	7,48%			TRC	Participants'	DIM
* (14) Utility Nonrecurring Rebate/Incentive		\$/Cus	NPV Benefits(\$000s)	\$2,007		RIM
(15) Utility Recurring Rebate/Incentive		\$/Cus/Year	NPV Costs (\$000s)	\$443	\$1,432	\$2,0
* (16) Utility Rebate/Incentive Escalation Rate	0.00%		NPV Costs (\$000s)		\$306	\$1,5
(10) ounty Rebate/incentive Escalation Rate	0.00%		and the second se	\$1,564	\$1,126	\$4
			Benefit:Cost Ratio	4.527	4.685	1.2

* Supplemental information.

** The relevant avoidable generation unit is a combined cycle unit.

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1	2	3	4	5	6	7	8	9	10	11	12	13
	Change in					Incremental	incre mental	incremental			Total	Cumulative
	Electric	Utility's	Participants	Other	Other	Generation	T&D	Prog Induced	Total	Total	Net	Discounted
	Supply Costs	Program Costs	Program Costs	Costs	Benefits	Cap Costs	Cap Costs	Fuel Costs	Costs	Benefits	Benefits	Net Benefits
Year	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000 s)
2009	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
2010	\$0	\$6	\$12	\$0	\$0	\$0	\$0	(\$3)	\$18	\$3	(\$16)	(\$1
2011 2012	\$0 \$0	\$11	\$23	\$0	\$0	\$0	(\$3)	(\$7)	\$34	\$10	(\$24)	(\$3
2012	\$0 \$0	\$16 \$20	\$34 \$44	\$0 \$0	\$0 \$0	\$0 \$0	(\$5)	(\$14)	\$50	\$20	(\$30)	(\$5
2013	\$0 \$0	\$20 \$24	\$44 \$52	\$0 \$0	\$0 \$0	\$U (\$40)	(\$9) (\$13)	(\$25)	\$64 \$76	\$34	(\$30)	(\$8
2014	\$0 \$0	\$27	\$59	\$0 \$0	\$0 \$0	(\$40)	(\$18)	(\$30) (\$48)	\$86	\$84	\$7	(\$7
2016	\$0	\$29	\$66	\$0	\$0 \$0	(\$33)	(\$23)	(\$64)	\$00 \$95	\$121 \$159	\$35 \$64	(\$5
2017	\$0	\$31	\$71	\$0	\$0	(\$89)	(\$29)	(\$81)	\$102	\$199	\$97	(\$1
2018	\$0	\$32	\$75	\$0	\$0 \$0	(\$107)	(\$36)	(\$99)	\$102	\$199	\$97 \$135	\$3
2019	\$0 \$0	\$33	\$79	\$0	\$0	(\$127)	(\$42)	(\$120)	\$107	\$242 \$290	\$135	\$9
2020	\$0	\$0	\$0	\$0	\$0	(\$129)	(\$43)	(\$119)	\$0		\$291	\$17
2021	\$0	\$0	\$0	\$0	\$0 \$0	(\$131)	(\$44)	(\$119)	\$0 \$0	\$291 \$293	\$291	\$29
2022	\$0	\$0	\$0	\$0	\$0 \$0	(\$132)	(\$44)	(\$123)	\$0 \$0	\$293	\$293	\$40
2023	\$0 \$0	\$0 \$0	\$0	\$0	\$C	(\$134)	(\$45)	(\$123)	\$0 \$0	\$299 \$306	\$306	\$51 \$61
2024	\$0	\$0	\$0	\$0	\$0	(\$136)	(\$46)	(\$132)	\$0 \$0	\$314	\$314	\$70
2025	\$0	\$0	\$0	\$0	\$0	(\$138)	(\$47)	(\$138)	\$0	\$322	\$322	\$70 \$79
2026	\$0	\$0	\$0	\$0	\$0	(\$139)	(\$48)	(\$144)	\$0	\$330	\$330	\$87
2027	\$0	\$0	\$Q	\$0	\$0	(\$141)	(\$48)	(\$149)	\$0	\$338	\$338	\$95
2028	\$0	\$0	\$0	\$0	\$0	(\$143)	(\$49)	(\$155)	\$0 \$0	\$347	\$347	ຈອວ \$1,02
2029	\$0	\$0	\$0	\$0	\$0	(\$145)	(\$50)	(\$157)	\$0	\$352	\$352	\$1,02
2030	\$0	\$0	\$0	\$0	\$0	(\$147)	(\$51)	(\$161)	\$0	\$359	\$359	\$1,16
2031	\$0	\$0	\$0	\$0	\$0	(\$149)	(\$52)	(\$165)	\$0	\$365	\$365	\$1,22
2032	\$0	\$0	\$0	\$0	\$0	(\$151)	(\$53)	(\$169)	\$0	\$373	\$373	\$1,28
2033	\$0	\$0	\$0	\$0	\$0	(\$153)	(\$54)	(\$173)	\$0	\$380	\$380	\$1,33
2034	\$0	\$0	\$0	\$0	\$0	(\$155)	(\$54)	(\$178)	\$0	\$387	\$387	\$1,38
2035	\$0	\$0	\$0	\$0	\$0	(\$157)	(\$55)	(\$182)	\$0	\$394	\$394	\$1,43
2036	\$0	\$0	\$0	\$0	\$0	(\$160)	(\$56)	(\$186)	\$0	\$402	\$402	\$1,48
2037	\$0	\$0	\$0	\$0	\$0	(\$162)	(\$57)	(\$190)	\$0	\$409	\$409	\$1.52
2038	\$0	\$0	\$0	\$0	\$0	(\$164)	(\$58)	(\$194)	\$0	\$417	\$417	\$1,56
	unt Rate = /Cost Ratio =	\$230 \$138 8.44% 4.53	\$514 \$306	\$0	\$0	(\$3,256) (\$840)	(\$1,133) (\$297)	(\$3,451) (\$870)	\$744 \$443	\$7,840 \$2,007	\$7,096 \$1,564	

Total Resource Cost-Effectiveness Measure Cost-Effectiveness Analysis per Rule 25-17.008 Fiorida Administrative Code

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ï —	2	3	4	5	6	7	8	9	10	11	12
					Change in		Utility Paid	·		Total	Cumulative
	Customer	Customer	Other	Other	Participants'	Тах	Rebates &	Total	Total	Net	Discounted
	Equip Costs	O&M Costs	Costs	Benefits	Electric Bills	Credits	Incentives	Costs	Benefits	Benefits	Net Benefits
Year	(\$000 s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)
2009	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	*
2010	\$12	\$0	\$0	\$0	(\$3)	\$0	\$4	\$12	\$8	(\$4)	
2011	\$23	\$0	\$0	\$0	(\$10)	\$0	\$8	\$23	\$18	(\$5)	
2012	\$34	\$0	\$0	\$0	(\$19)	\$0	\$12	\$34	\$31	(\$3)	(1
2013	\$4 4	\$0	\$0	\$ 0	(\$31)	\$0	\$15	\$44	\$46	\$3	
2014	\$52	\$0	\$0	\$0	(\$46)	\$0	\$18	\$52	\$64	\$12	
2015	\$59	\$0	\$0	\$0	(\$72)	\$0	\$20	\$59	\$92	\$33	
2016	\$66	\$0	\$0	\$0	(\$95)	\$0	\$22	\$66	\$117	\$51	
2017	\$71	\$0	\$0	\$0	(\$116)	\$0	\$23	\$71	\$140	\$69	
2018	\$75	\$0	\$0	\$0	(\$143)	\$0	\$24	\$75	\$168	\$93	\$
2019	\$79	\$0	\$0	\$0	(\$173)	\$0	\$25	\$79	\$197	\$119	\$
2020	\$0	\$0	\$0	\$0	(\$180)	\$0	\$0	\$0	\$180	\$180	\$
2021	\$0	\$0	\$0	\$0	(\$187)	\$0	\$0	\$0	\$187	\$187	\$
2022	\$0	\$0	\$0	\$0	(\$194)	\$0	\$0	\$0	\$194	\$194	\$
2023	\$0	\$0	\$0	\$0	(\$200)	\$ 0	\$0	\$0	\$200	\$200	\$
2024	\$0	\$0	\$0	\$ 0	(\$208)	\$0	\$0	\$0	\$208	\$208	s
2025	\$0	\$0	\$0	\$0	(\$214)	\$0	\$0	\$0	\$214	\$214	\$
2026	\$0	\$0	\$0	\$0	(\$220)	\$0	\$0	\$0	\$220	\$220	\$
2027	\$0	\$0	\$0	\$0	(\$228)	\$0	\$0	\$0	\$228	\$228	\$
2028	\$0	\$0	\$0	\$0	(\$236)	\$0	\$0	\$0	\$236	\$236	5
2029	\$0	\$0	\$0	\$0	(\$244)	\$0	\$0	\$0	\$244	\$244	\$
2030	\$0	\$0	\$0	\$0	(\$252)	\$0	\$0	\$0	\$252	\$252	\$
2031	\$0	\$0	\$0	\$0	(\$260)	\$0	\$0	\$0	\$260	\$260	\$
2032	\$0	\$0	\$0	\$0	(\$268)	\$0	\$ 0	\$0	\$268	\$268	\$
2033	\$ 0	\$0	\$0 60	\$0	(\$276)	\$0 \$0	\$Q	\$0	\$276	\$276	\$
2034	\$0	\$0 \$0	\$0	\$0	(\$284)	\$0 \$0	\$0	\$0	\$284	\$284	\$
2035	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	(\$292) (\$300)	\$0 \$0	\$0 \$0	\$0 ©0	\$292	\$292	\$1.
2036	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	(\$309)	\$0 \$0	\$0	\$0 \$0	\$300	\$300	\$1,
2037 2038	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	(\$305) (\$317)	\$0 \$0	\$0 \$0	\$0 \$0	\$309 \$317	\$309 \$317	\$1, \$1,
ominal	\$514				(\$5,377)		\$172	\$514	\$5,549	\$5,035	
NPV	\$282	\$0	\$0	\$0	(\$1,328)	\$0	\$103	\$306	\$1,432	\$1,126	
	nt Rate =	8.44%					·				

Participants' Cost-Effectiveness Measure Cost-Effectiveness Analysis per Rule 25-17.008 Florida Administrative Code

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1	2	3	4	5	6	77	8	9	10	11	12	13	14
	Change in	Utility's	Utility Paid	Change in	Incremental	Incremental	Incremental					Total Net	Cumulative
	Electric	Program	Rebates &	Electric	Generation	T&D	Prog Induced	Other	Other	Total	Total	Benefits to	Discounted
.	Supply Costs	Costs	Incentives	Revenues	Cap Costs	Cap Costs	Fuel Costs	Costs	Benefits	Costs	Benefits	All Customers	Net Benefits
Year 2009	(\$000s)	(\$000s)	(\$000s)	(\$000)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)
	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.00
2010	\$0.000	\$5.993	\$4.495	(\$3.467)	\$0.000	\$0.000	(\$2.525)	\$0.000	\$0.000	\$13.954	\$2.525	(\$11.430)	(\$10.54
2011	\$0.000	\$11.026	\$8.270	(\$9.713)	\$0.000	(\$2.734)	(\$7.339)	\$0.000	\$0.000	\$29.009	\$10.073	(\$18.936)	(\$26.64
2012 2013	\$0.000 \$0.000	\$16.100 \$20.392	\$12.075	(\$18.822)	\$0.000	(\$5.411)	(\$14.434)	\$0.000	\$0.000	\$46.997	\$19.844	(\$27.153)	(\$47.94
2013	\$0.000	\$23.959	\$15.294 \$17.969	(\$30.962) (\$46.197)	\$0.000 (\$40,194)	(\$8.891) (\$13.091)	(\$24.895)	\$0.000 \$0.000	\$0.000	\$66.648	\$33,786	(\$32.861)	(\$71.70
2014	\$0.000	\$26.864	\$17.969	(\$71.841)	(\$54.826)	(\$13.091) (\$17.930)	(\$30.268)	\$0.000	\$0.000	\$88.125	\$83.554	(\$4.571)	(\$74.75
2015	\$0.000	\$29.173	\$21.879	(\$94.775)	(\$71.058)	(\$23.333)	(\$48.300) (\$64.289)	\$0.000	\$0.000 \$0.000	\$118.853	\$121.055	\$2.203	(\$73.40
2017	\$0.000	\$30.950	\$23.213	(\$116.408)	(\$88.661)	(\$29.231)	(\$80.710)	\$0.000	\$0,000	\$145.827	\$158.680	\$12.853	(\$66.11
2018	\$0.000	\$32.261	\$24,196	(\$143.487)	(\$107.428)	(\$25.560)	(\$99.354)	\$0.000	\$0.000	\$170.571 \$199.943	\$198.602	\$28.032	(\$51,44
2019	\$0.000	\$33.164	\$24.873	(\$172.547)	(\$127.173)	(\$42.261)	(\$120.138)	\$0.000	\$0.000		\$242.341	\$42.398	(\$30.99
2020	\$0.000	\$0.000	\$0.000	(\$179.623)	(\$128.834)	(\$42.979)	(\$120.138) (\$119.152)	\$0.000	\$0.000	\$230.584	\$289.572	\$58.988	(\$4.75
2021	\$0.000	\$0.000	\$0.000	(\$186.686)	(\$126.654)	(\$43.710)	(\$118.917)	\$0.000 \$0.000	\$0.000	\$179.623	\$290,966	\$111.343	\$40.92
2022	\$0.000	\$0.000	\$0.000	(\$193.646)	(\$132.243)	(\$44.453)	· · · ·	\$0.000		\$186.686	\$293.151	\$106.466	\$81.20
2022	\$0.000	\$0.000	\$0.000	(\$200.357)	(\$133.990)	(\$45.209)	(\$122.617) (\$127.081)	\$0.000	\$0.000 \$0.000	\$193.646	\$299.312	\$105.667	\$118.07
2023	\$0.000	\$0.000	\$0.000	(\$207,760)	(\$135.768)	(\$45.977)	(\$127.081) (\$131.870)	\$0.000	\$0.000	\$200.357	\$306.280	\$105.923	\$152.15
2025	\$0.000	\$0.000	\$0.000	(\$213.899)	(\$137,576)	(\$46.759)	(\$137.658)	\$0.000	\$0.000	\$207.760 \$213.899	\$313.615	\$105.855	\$183.55
2026	\$0.000	\$0.000	\$0.000	(\$220.002)	(\$139,414)	(\$47.554)	(\$143.510)	\$0.000	\$0.000	\$213.899 \$220.002	\$321.993	\$108.094	\$213.130
2027	\$0.000	\$0.000	\$0.000	(\$228.194)	(\$141.284)	(\$48.362)	(\$148.803)	\$0.000 \$0.000	\$0.000	\$228.194	\$330.478	\$110.476	\$241.013
2028	\$0.000	\$0.000	\$0.000	(\$235.655)	(\$143.185)	(\$49.184)	(\$154.916)	\$0.000	\$0.000	\$235.655	\$338,449 \$347,286	\$110,256	\$266.67
2029	\$0.000	\$0.000	\$0.000	(\$244.258)	(\$145.119)	(\$50.021)	(\$157,124)	\$0.000	\$0.000	\$235.055 \$244.258		\$111.631	\$290.626
2030	\$0.000	\$0.000	\$0.000	(\$252.449)	(\$147.086)	(\$50.871)	(\$160.874)	\$0.000	\$0.000	\$252.449	\$352.264	\$108.006	\$312.001
2031	\$0.000	\$0.000	\$0.000	(\$260.111)	(\$149.086)	(\$51.736)	(\$164.645)	\$0.000	\$0.000	\$252.449	\$358.831 \$365.467	\$106.382 \$105.356	\$331.416
2032	\$0.000	\$0.000	\$0.000	(\$267.891)	(\$151.120)	(\$52.615)	(\$168.878)	\$0.000	\$0.000	\$267.891	\$372,613		\$349.147
2033	\$0.000	\$0.000	\$0.000	(\$275.793)	(\$153.189)	(\$53.510)	(\$173.238)	\$0.000	\$0.000	\$275.793	\$379.937	\$104,723 \$104,144	\$365.401
2034	\$0.000	\$0.000	\$0.000	(\$283.821)	(\$155.293)	(\$54.419)	(\$177.529)	\$0.000	\$0.000	\$283.821	\$387,241	\$103,420	\$380.308
2035	\$0.000	\$0.000	\$0.000	(\$291.981)	(\$157.432)	(\$55.345)	(\$181.672)	\$0.000	\$0.000	\$291.981	\$394.449	\$102.468	\$393.959 \$406.432
2036	\$0.000	\$0.000	\$0.000	(\$300.275)	(\$159.608)	(\$56.285)	(\$185.892)	\$0.000	\$0.000	\$300.275	\$401.785	\$101.511	
2037	\$0.000	\$0.000	\$0.000	(\$308.708)	(\$161.821)	(\$57.242)	(\$190.160)	\$0.000	\$0.000	\$308.708	\$409.224	\$100.516	\$417.827 \$428.232
2038	\$0.000	\$0.000	\$0.000	(\$317.286)	(\$164.072)	(\$58.215)	(\$194.347)	\$0.000	\$0.000	\$317.286	\$416.634	\$99.349	\$437.717
ominal NPV	nt Rate =	\$229.882 \$137.836 8.44%	\$172.411 \$103.377	(\$5,376.610) (\$1,328.148)	(\$3,255,984) (\$839,838)	(\$1,132.889) (\$297.145)	(\$3,451,136) (\$870.094)	\$0.000	\$0.000	\$5,778,903 \$1,569,361	\$7,840.009 \$2,007.077	\$2,061.106 \$437.717	

Ratepayers' Impact Cost-Effectiveness Measure Cost-Effectiveness Analysis per Rule 25-17.008 FlorIda Administrative Code

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INPUT DATA - PART 1

Cost-Effectiveness Analysis per Rule 25-17.008 Florida Administrative Code

			IV.	Incremental Generation, Transmission, & Distri	bution Costs		
(1) Change in Peak kW Customer at meter	0.00	kW/Cus		(1) Base Year	2009		
(2) Change in Peak kW per Customer at generator	0.00	kW Gen/Cus		(2) In-Service Year For Incremental Generation	2014 **		
(3) kW Line Loss Percentage	14.21%	•		(3) In-Service Year For Incremental T & D	2011		
(4) Change in KWh per Customer at generator	(3)	kWh/Cus/Yr	110310	(4) Base Year Incremental Generation Cost	\$819.89 \$/kW		
(5) kWh Line Loss Percentage	9.05%	•		(5) Base Year Incremental Transmission Cost	\$249.00 \$/kW		
(6) Group Line Loss Multiplier	1.0007			(6) Base Year Incremental Distribution Cost	\$110.75 \$/kW		
(7) Annual Change in Customer kWh at Meter	(2)	kWh/Cus/Yr		(7) Gen, Tran, & Dist Cost Escalation Rate	1.70%		
* (8) Change in Winter kW per Cust at meter	0.00	kW/Cus		(8) Generator Fixed O & M Cost	\$54.55 \$/kW/Yr		
				(9) Generator Fixed O&M Escalation Rate	0.63%		
				(10) Transmission Fixed O & M Cost	\$3.11 \$/kW/Yr		
				(11) Distribution Fixed O & M Cost	\$2.77 \$/kW/Yr		
II. Economic Life and K-Factors				(12) T&D Fixed O&M Escalation Rate	1.70%		
(1) DSM Program Study Period		Years		(13) Incremental Gen Variable O & M Costs	\$0.000 \$/kW/Yr		
(2) Economic Life of Incremental Generation	40	Years		(14) Incre Gen Variable O&M Cost Esc Rate	0.00%		
(3) Economic Life of Incremental T&D	35	Years		(15) Incremental Gen Capacity Factor	40.80%		
(4) K-Factor for Generation	1.4640			(16) Incremental Generating Unit Fuel Cost	\$0.0815 \$/kWh		
(5) K-Factor for T&D	1.4604			(17) Incremental Gen Unit Fuel Esc. Rate	2.65%		
* (6) Switch: Rev Req (0) or Val-of-Def (1)	1			(18) Incremental Purchased Capacity Cost	\$30.56 \$/KW/YR		
II. Utility & Customer Costs				(19) Incremental Capacity Cost Esc Rate	5.73%		
(1) Utility Nonrecurring Cost Per Customer	\$0.60	\$/Cus		Stop Revenue Loss at In-Service Year? (Y=1, N=0)	0		
(2) Utility Recurring Cost Per Customer	\$0.00	\$/Cus/Year			<u> </u>		
(3) Utility Cost Escalation Rate	0.00%		V.	(1) Non-Fuel Cost In Customer Bill (Base Year)			
(4) Customer Equipment Cost	\$1.80	\$/Cus		(1) Non-Fuel Cost In Customer Bill (Base Year)	\$0.0246 \$/kWh		
(5) Customer Equpiment Cost Escalation Rate	1.70%			(2) Non-Fuel Escalation Rate	Per Table		
(6) Customer O&M Cost	\$0.00	\$/Cus/Year		(3) Customer Demand Charge Per kW (Base Year)	\$5.4200 \$/kW/Mo		
(7) Customer O&M Cost Escalation Rate	1.70%			(4) Demand Charge Escalation Rate	Per Table		
* (8) Customer Tax Credit Per Installation	\$0.00	\$/Cus		(5)Average Annual Change in Monthly Billing kW	-0.00091 kW/Mo.		
* (9) Customer Tax Credit Escalation Rate	1.70%						
* (10) Change in Supply Costs	\$0.00	\$/Cus/Year					
* (11) Supply Costs Escalation Rate	1.70%						
* (12) Utility Discount Rate	8.44%			Summary Results for	This Analysis		
* (13) Utility AFUDC Rate	7.48%		1101122		TRC	Participants	DIN
* (14) Utility Nonrecurring Rebate/Incentive	\$0.90	\$/Cus		NPV Benefits(\$000s)	\$14,368	\$13,051	RIM \$14,368
* (15) Utility Recurring Rebate/Incentive		\$/Cus/Year		NPV Costs (\$000s)	\$5,747	\$4,412	
* (16) Utility Rebate/Incentive Escalation Rate	0.00%			NPV Net Benefits (\$000s)	\$8,622	\$8,639	\$14,386 (\$18)
(10) Ounty Repater Reentive Escalation Rate							

* Supplemental information.

** The relevant avoidable generation unit is a combined cycle unit.

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1	2	3	4	5	6	7	8	da Administrativ	10	11	12	13
	Change in					Incremental	Incremental	Incremental			Total	Cumulative
	Electric	Utility's	Participants'	Other	Other	Generation	T&D	Prog induced	Total	Total	Net	Discounte d
	Supply Costs	Program Costs	Program Costs	Costs	Benefits	Cap Costs	Cap Costs	Fuel Costs	Costs	Benefits	Benefits	Net Benefits
Year	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)
2009	\$0	\$0	\$0 -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$
2010	\$0	\$60	\$183	\$ 0	\$0	\$0	\$0	(\$23)	\$243	\$23	(\$220)	(\$20
2011	\$0 #0	\$120	\$372	\$0	\$0	\$0	(\$17)	(\$71)	\$492	\$88	(\$404)	(\$54
2012 2013	\$0 \$0	\$180	\$568 \$770	\$0	\$0 60	\$0 \$0	(\$34)	(\$144)	\$748	\$178	(\$570)	(\$99
2013	\$0 \$0	\$240 \$240	\$770	\$0 \$0	\$0 \$0	\$U (\$254)	(\$58)	(\$254)	\$1,010	\$313	(\$698)	(\$1,49
2015	\$0 \$0	\$240	\$996	\$0 \$0	\$0 \$0	(\$349)	(\$83) (\$114)	(\$297) (\$483)	\$1,023 \$1,296	\$634	(\$389)	(\$1,75
2015	\$0.	\$300	\$1,013	\$0 \$0	\$0 \$0	(\$447)	(\$147)	(\$4635)	\$1,290 \$1,313	\$947 \$1,229	(\$349)	(\$1,97
2017	\$0	\$240	\$824	\$0 \$0	\$0 \$0	(\$528)	(\$174)	(\$755)	\$1,064	\$1,229	(\$84) \$394	(\$2,01
2018	\$0 \$0	\$240	\$838	\$0 \$0	\$0	(\$612)	(\$202)	(\$587)	\$1,078	\$1,702	\$624	(\$1,81)
2019	\$0 \$0	\$240	\$852	\$0	\$0 \$0	(\$697)	(\$232)	(\$1,033)	\$1,092	\$1,961	\$869	(\$1,51)
2020	\$0	\$0	\$0	\$0	\$0	(\$706)	(\$236)	(\$1,027)	\$0,032	\$1,969	\$1,969	(\$1,12) (\$31)
2021	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	(\$715)	(\$240)	(\$1,026)	\$0	\$1,989	\$1,989 \$1,981	(\$31) \$43
2022	\$0	\$0	\$0	\$0	\$0	(\$725)	(\$244)	(\$1,058)	\$0	\$2,027	\$2,027	\$43 \$1,13
2023	\$0	\$0	\$0	\$0	\$0	(\$734)	(\$248)	(\$1,000)	\$0	\$2,079	\$2,027	\$1,80
2024	\$0	\$0 \$0	\$0	\$0	\$0	(\$744)	(\$252)	(\$1,137)	\$0	\$2,134	\$2,079	\$1,80
2025	\$0	\$0	\$0	\$0	\$0	(\$754)	(\$256)	(\$1,186)	\$0	\$2,196	\$2,196	\$3,04
2026	\$0	\$0	\$0	\$0	\$0	(\$764)	(\$261)	(\$1,236)	\$0	\$2,260	\$2,260	\$3,61
2027	\$0	\$0	\$0	\$0	\$0	(\$774)	(\$265)	(\$1,282)	\$0	\$2,322	\$2,322	\$4,15
2028	\$0	\$0	\$0	\$0	\$0	(\$785)	(\$270)	(\$1,335)	\$0	\$2,389	\$2,389	\$4,66
2029	\$0	\$0	\$0	\$0	\$0	(\$795)	(\$274)	(\$1,351)	\$0	\$2,421	\$2,421	\$5,14
2030	\$0	\$0	\$0	\$0	\$0	(\$806)	(\$279)	(\$1,385)	\$0	\$2,470	\$2,470	\$5,59
2031	\$0	\$0	\$0	\$0	\$0	(\$817)	(\$284)	(\$1,419)	\$0	\$2,519	\$2,519	\$6,01
2032	\$0	\$0	\$0	\$0	\$0	(\$828)	(\$288)	(\$1,455)	\$0	\$2,572	\$2,572	\$6.41
2033	\$0	\$0	\$0	\$0	\$0	(\$840)	(\$293)	(\$1,493)	\$0	\$2,625	\$2,625	\$6,79
2034	\$Q	\$0	\$0	\$0	\$0	(\$851)	(\$298)	(\$1,530)	\$0	\$2,679	\$2,679	\$7,14
2035	\$0	\$0	\$0	\$0	\$0	(\$863)	(\$303)	(\$1,565)	\$0	\$2,731	\$2,731	\$7,479
2036	\$0	\$0	\$0	\$0	\$0	(\$875)	(\$309)	(\$1,601)	\$0	\$2,785	\$2,785	\$7,792
2037	\$0	\$0	\$0	\$0	\$0	(\$887)	(\$314)	(\$1,638)	\$0	\$2,839	\$2,839	\$8,086
2038	\$0	\$0	\$0	\$0	\$0	(\$899)	(\$319)	(\$1,674)	\$0	\$2,892	\$2,892	\$8,362
2039	\$0	\$0	\$0	\$0	\$0	(\$912)	(\$325)	(\$1,715)	\$0	\$2,952	\$2,952	\$8,62
				\$0	\$0							
ominal NPV		\$2,160 \$1,335	\$7,200 \$4,412	\$0	\$0	(\$18,964)	(\$6,617)	(\$31,793)	\$9,360	\$57,374	\$48,014	
	unt Rate =	8.44%				(\$4,802)	(\$1,708)	(\$7,858)	\$5,747	\$14,368	\$8,622	
	Cost Ratio =	2.50										

Total Resource Cost-Effectiveness Measure Cost-Effectiveness Analysis per Rule 25-17.008 Florida Administrative Code

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. 1	2	3	4	5	6 Change in	7	8 Utility Paid	9	10	11	12
	Customer	Customer	Other	Other	Participants'	Tax	Rebates &	Total	Total	Total Net	Cumulative Discounted
	Equip Costs	O&M Costs	Costs	Benefits	Electric Bills	Credits	Incentives	Costs	Benefits	Benefits	Net Benefits
Year	(\$0005)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$0005)	(\$000s)	(\$000s)	(\$000s)	(\$000s)
2009	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
2010	\$183	\$0	\$0	\$0	(\$29)	\$0	\$90	\$183	\$119	(\$64)	(\$
2011	\$372	\$0	\$0	\$0	(\$85)	\$0	\$180	\$372	\$265	(\$108)	(\$
2012	\$568	\$0	\$0	\$0	(\$169)	\$0	\$270	\$568	\$439	(\$129)	(\$2
2013	\$770	\$0	\$0	\$0	(\$285)	\$0	\$360	\$770	\$645	(\$125)	(\$3
2014	\$783	\$0	\$0	\$0	(\$412)	\$0	\$360	\$783	\$772	(\$11)	(\$3
2015	\$996	\$0	\$0	\$0	(\$657)	\$0	\$450	\$996	\$1,107	\$111	(\$2
2016	\$1,013	\$0	\$0	\$0	(\$860)	\$0	\$450	\$1,013	\$1,310	\$297	(\$
2017	\$824	\$0	\$0	\$0	(\$1,000)	\$0	\$360	\$824	\$1,360	\$536	\$1
2018	\$838	\$0	\$0	\$0	(\$1,179)	\$0	\$360	\$838	\$1,539	\$701	\$5
2019	\$852	\$0	\$0	\$0	(\$1,365)	\$0	\$360	\$852	\$1,725	\$873	\$8
2020	\$0	\$0	\$0 \$0	\$0 \$0	(\$1,424)	\$0	\$0	\$0	\$1,424	\$1,424	\$1,4
2021	\$ 0	\$0	\$0	\$0	(\$1,483)	\$0	\$0	\$0	\$1,483	\$1,483	\$2,0
2022	\$0	\$0	\$0	\$0 \$0	(\$1,540)	\$0	\$0	\$0	\$1,540	\$1,540	\$2,5
2023 2024	\$Q \$0	\$0	\$0	\$0	(\$1,595)	\$0	\$0	\$0	\$1,595	\$1,595	\$3,0
2024	\$0 \$0	\$0	\$0	\$0	(\$1,657)	\$0	\$0	\$0	\$1,657	\$1,657	\$3,5
2025	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	(\$1,706)	\$0	\$0	\$0 \$0	\$1,706	\$1,706	\$4,0
2026	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	(\$1,756)	\$0	\$0	\$0 50	\$1,756	\$1,756	\$4,4
2027	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	(\$1,824)	\$0 \$0	\$0 \$0	\$O	\$1,824	\$1,824	\$4,9
2028	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	(\$1,885)	\$0		\$0 \$0	\$1,885	\$1,885	\$5,3
2029	\$0	\$0 \$0	\$0 \$0	\$0 \$0	(\$1,956) (\$2,024)	\$0 \$0	\$0 \$0	\$0 \$0	\$1,956	\$1,956	\$5,7
2030	\$0 \$0	30 \$D	\$0 \$0	\$0 \$0	(\$2,02#) (\$2,085)	\$0 \$0	\$0 \$0	\$0 \$0	\$2,024	\$2,024	\$6,0
2031	\$0	\$0 \$0	\$0 \$0	\$0 \$0	(\$2,085) (\$2,146)	\$0 \$0	\$0 \$0	\$0 \$0	\$2,085	\$2,085 \$2,146	\$6,4
2033	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0		\$0 \$0	\$0 \$0	\$0 \$0	\$2,146		\$6,7
2034	\$0 \$0	\$0	\$0 \$0	\$0 \$0	(\$2,209) (\$2,272)	\$0 \$0	\$0 \$0	\$0 \$0	\$2,209 \$2,272	\$2,209 \$2,272	\$7,0
2035	\$0	\$0	\$0	\$0	(\$2,336)	\$0 \$0	\$0	\$0 \$0	\$2,336	\$2,336	\$7,3
2036	\$0	\$0	\$0	\$0	(\$2,401)	\$0	\$0	\$0 \$0	\$2,330	\$2,401	\$7,6
2037	\$0	\$0	\$0	\$0	(\$2,467)	\$0 \$0	\$0	\$0 \$0	\$2,467	\$2,467	\$7,9 \$8,1
2038	\$0 \$0	\$0	\$0	\$0 \$0	(\$2,534)	\$0 \$0	\$0	\$0	\$2,467	\$2,534	\$8,4
2039	\$0 \$0	\$0	\$0 \$0	\$0 \$0	(\$2,400)	\$0	\$0 \$0	\$0 \$0	\$2,034	\$2,400	\$6,4 \$8,6
			\$0	\$0							
Nominal NPV	\$7,200	\$0	\$O	\$0	(\$45,740)	e0.	\$3,240	\$7,200	\$48,980 \$42,051	\$41,781	
NPV	\$4,068 nt Rate =	8.44%		\$0	(\$11,049)	\$0	\$2,002	\$4,4 <u>12</u>	\$13,051	\$8,639	

Participants' Cost-Effectiveness Measure

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1	2	3	4	5	6	7	7.008 Florida Ad 8	9	10	11	12	13	
	Change in	Utility's	Utility Paid	Change in	Incremental	Incremental	Incremental					Total Net	Cumulative
	Electric	Program	Rebates &	Electric	Generation	TAD	Prog Induced	Other	Other	Total	Total	Benefits to	Discounted
	Supply Costs	Costs	Incentives	Revenues	Cap Costs	Cap Costs	Fuel Costs	Costs	Benefits	Costs	Benefits	All Customers	Net Benefits
Year	(\$000s)	(\$000s)	(\$000s)	(\$000)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)	(\$000s)
2009	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.00
2010	\$0.000	\$60.000	\$90,000	(\$28.678)	\$0.000	\$0.000	(\$23.389)	\$0.000	\$0.000	\$178.678	\$23.389	(\$155.289)	(\$143.20
2011	\$0.000	\$120.000	\$180.000	(\$84.820)	\$0.000	(\$16.868)	(\$71.361)	\$0.000	\$0.000	\$384.820	\$88,229	(\$296.591)	(\$395.44
2012	\$0.000	\$180.000	\$270.000	(\$168.631)	\$0.000	(\$34.309)	(\$143.578)	\$0.000	\$0.000	\$618.631	\$177.887	(\$440.744)	(\$741.10
2013	\$0.000	\$240.000	\$360.000	(\$285.268)	\$0.000	(\$58.154)	(\$254.479)	\$0.000	\$0.000	\$885.268	\$312.633	(\$572.635)	(\$1,155.26
2014	\$0.000	\$240.000	\$360.000	(\$412.496)	(\$254.232)	(\$82.799)	(\$297.349)	\$0.000	\$0.000	\$1,012.496	\$534.380	(\$378.116)	(\$1,407.46
2015	\$0.000	\$300.000	\$450.000	(\$657.194)	(\$349.447)	(\$114.281)	(\$483.306)	\$0.000	\$0.000	\$1,407.194	\$947.034	(\$460.161)	(\$1,690.49
2016	\$0.000	\$300.000	\$450.000	(\$860.148)	(\$447.083)	(\$146.809)	(\$634.930)	\$0.000	\$0.000	\$1,610.148	\$1,228.821	(\$381.327)	(\$1,906.79
2017 2018	\$0,000	\$240.000	\$360.000	(\$1,000.092)	(\$528.331)	(\$174.188)	(\$755.319)	\$0.000	\$0.000	\$1,600.092	\$1,457.838	(\$142.254)	(\$1,981.20
2018	\$0.000	\$240.000	\$360.000	(\$1,178.644)	(\$611.634)	(\$202.457)	(\$887.482)	\$0.000	\$0.000	\$1,778.644	\$1,701.572	(\$77.072)	(\$2,018.38
	\$0.000	\$240.000	\$360.000	(\$1,365.225)	(\$697.043)	(\$231.636)	(\$1,032.574)	\$0.000	\$0.000	\$1,965.225	\$1,961.253	(\$3.972)	(\$2,020.15
2020 2021	\$0,000 \$0,000	\$0.000	\$0.000	(\$1,423.996)	(\$706.150)	(\$235.573)	(\$1,026.827)	\$0.000	\$0.000	\$1,423.996	\$1,968.551	\$544.555	(\$1,796.75
2021	\$0,000	\$0.000	\$0.000	(\$1,482.538)	(\$715.412)	(\$239.578)	(\$1,025.548)	\$0.000	\$0.000	\$1,482.538	\$1,980.539	\$498.000	(\$1,608.34
2022	\$0,000	\$0.000 \$0.000	\$0.000	(\$1,540.066)	(\$724.832)	(\$243.651)	(\$1,058.046)	\$0.000	\$0.000	\$1,540.066	\$2,026.529	\$486,463	(\$1,438.62
2023	\$0.000	\$0.000	\$0.000	(\$1,595.276)	(\$734.412)	(\$247.793)	(\$1,096.677)	\$0.000	\$0.000	\$1,595.276	\$2,078.882	\$483.606	(\$1.283.02
2024	\$0,000	\$0.000	\$0,000	(\$1,656.526)	(\$744.155)	(\$252.006)	(\$1,137.350)	\$0.000	\$0.000	\$1,656.526	\$2,133.510	\$476.985	(\$1,141.49
2026	\$0,000	\$0.000	\$0.000 \$0.000	(\$1,706.419)	(\$754.063)	(\$256.290)	(\$1,185.668)	\$0.000	\$0.000	\$1,706.419	\$2,196.020	\$489.602	(\$1,007.52
2027	\$0.000	\$0.000	\$0,000	(\$1,755.884) (\$1,823.803)	(\$764.140)	(\$260.647)	(\$1,235.654)	\$0.000	\$0.000	\$1,755.884	\$2,260.441	\$504.556	(\$880.20
2028	\$0,000	\$0.000	\$0.000	(\$1,885.103)	(\$774.388)	(\$265.078)	(\$1,282.327)	\$0.000	\$0.000	\$1,823.803	\$2,321.792	\$497.989	(\$764.32
2029	\$0,000	\$0.000	\$0.000	(\$1,956.429)	(\$784.810)	(\$269.584)	(\$1,335.041)	\$0.000	\$0.000	\$1,885.103	\$2,389.435	\$504.332	(\$656.09
2030	\$0.000	\$0.000	\$0.000	(\$2,023,969)	(\$795.409) (\$806.189)	(\$274.167)	(\$1,351.469)	\$0.000	\$0.000	\$1,956.429	\$2,421.045	\$464.616	(\$564.144
2031	\$0,000	\$0.000	\$0.000	(\$2,084.700)	(\$817.152)	(\$278.828) (\$283.568)	(\$1,385.249)	\$0.000	\$0.000	\$2,023.969	\$2,470.265	\$446.296	(\$482.69)
2032	\$0,000	\$0.000	\$0.000	(\$2,146.234)	(\$828.301)	(\$288.388)	(\$1,418.527) (\$1,454.915)	\$0.000	\$0.000	\$2,084.700	\$2,519.247	\$434.547	(\$409.562
2033	\$0.000	\$0,000	\$0.000	(\$2,208.598)	(\$839.640)	(\$293.291)	(\$1,492.554)	\$0.000	\$0.000	\$2,146.234	\$2,571.605	\$425.371	(\$343.540
2034	\$0.000	\$0.000	\$0.000	(\$2,271.821)	(\$851.171)	(\$298.277)	(\$1,529.516)	\$0.000	\$0.000	\$2,208.598	\$2,625.484	\$416.886	(\$283.87)
2035	\$0,000	\$0.000	\$0.000	(\$2,335.931)	(\$862.899)	(\$303.348)	(\$1,564.812)	\$0.000	\$0.000	\$2,271.821	\$2,678.964	\$407.143	(\$230.129
2036	\$0,000	\$0,000	\$0,000	(\$2,400.957)	(\$874.826)	(\$308.505)	(\$1,601.259)	\$0.000 \$0.000	\$0.000	\$2,335.931	\$2,731.059	\$395.128	(\$182.032
2037	\$0,000	\$0.000	\$0.000	(\$2,466.931)	(\$686.955)	(\$313.749)	(\$1,638.300)	\$0,000 \$0,000	\$0.000	\$2,400.957	\$2,784.590	\$383.633	(\$138.967
2038	\$0,000	\$0.000	\$0.000	(\$2,533.884)	(\$899.291)	(\$319.083)	(\$1,673.810)	\$0,000	\$0.000	\$2,466.931	\$2,839.005	\$372.074	(\$100.45)
2039	\$0	\$0	\$0	(\$2,400)	(\$912)	(\$325)	(\$1,715)	\$0.000	\$0.000	\$2,533,884	\$2,892.184	\$358.300	(\$66.244
		••	4 0	(42,400)	(0012)	(4323)	(\$1.7(3)	\$0 \$0	\$0 \$0	\$2,400	\$2,952	\$552	(\$18
								~	20				
iominal		\$2,160.000	\$3,240.000	(\$45,740.077)	(\$18,963,800)	(\$6,617,409)	(\$31,792,706)			\$51,140.077	\$57 273 040		
NPV		\$1,334.986	\$2,002.479	(\$11,048.524)	(\$4,802.071)	(\$1,708.204)	(\$7,858.061)	\$0.000	\$0.000		\$57,373.916	\$6,233.839	
	int Rate =	8.44%		(+++,+++)		(21,700.204)	(#7,000.001)	\$0.000	30.000	\$14,385.989	\$14,368.335	(\$17.654)	
	Cost Ratio =	1.00											

Ratepayers' Impact Cost-Effectiveness Measure Cost-Effectiveness Analysis per Rule 25-17.008 Florida Administrative Code