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			Pr	eser	nt Value							
	Total											
	Resource					M	lember	Annual	Lifetime	Winter	Summer	Number of
	Benefit/Cost			Uti	lity Costs		Costs	MWh	MWh	kW	kW	Members
	Ratio	Ben	efit (\$000)		(\$000)	(\$000)	Savings	Savings	Savings	Savings	Served
Residential Programs												
ENERGY STAR Homes	4.0	\$	733.1	\$	113.5	\$	69.4	46.1	799.9	11.2	13.0	37
Home Performance w/Energy Star	2.0	\$	301.8	\$	127.8	\$	21.2	220.0	2,398.2	49.1	126.2	39
ENERGY STAR Lighting *1	4.5	\$	580.9	\$	105.1	\$	25.1	1,548.2	8,070.2	365.5	97.1	35,864
ENERGY STAR Appliances	1.4	\$	368.2	\$	129.8	\$	127.7	326.5	3,329.8	45.0	40.4	1,735
Home Energy Assistance	2.1	\$	338.3	\$	162.4	\$	-	58.6	717.7	19.7	19.7	50
High Efficiency Heat Pump	2.1	\$	400.1	\$	96.7	\$	91.8	254.1	6,352.0	139.9	8.5	12
Subtotal Residential	2.5	\$	2,722.4	\$	735.3	\$	335.2	2,453.5	21,667.7	630.4	304.9	37,737
Commercial/Industrial Programs												
New Construction / Major Renovation	1.3	\$	167.1	\$	107.4	\$	20.1	149.9	2,248.9	19.8	21.6	5
Large C&I Retrofit	1.8	\$	681.3	\$	122.1	\$	253.4	705.2	9,167.8	265.5	84.3	22
Small C&I Retrofit	1.3	\$	264.1	\$	122.1	\$	74.4	253.7	3,298.1	41.9	48.7	32
Other (Education)	0.0	\$	-	\$	26.1	\$	-	-	3 4	-	-	-
Smart Start	0.0	\$	-	\$	7.1	\$	-	-		-		-
Subtotal C&I	1.5		1,112.5		384.8		348.0	1,108.8	14,714.9	327.2	154.6	59
Total		Ş	3,834.9	\$	1,120.1	Ş	683.2	3,562.4	36,382.6	957.6	459.5	37,796

Program Cost-Effectiveness - 2011 PLAN

Note 1: Plan included 8,966 members purchasing a total of 35,864 lighting products (4 per member)

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Present Value Total Resource Member Lifetime Summer Number of Benefit/Cost Benefit **Utility Costs** Costs MWh Winter kW kW Members Ratio (\$000) (\$000) (\$000) Savings Savings Savings Served **Residential Programs** 6.53 1,674.8 \$ 169.2 \$ 87.2 1,392.5 18.0 18.8 53 **ENERGY STAR Homes** \$ Ś 200.7 \$ 50.4 \$ 43.6 15 Home Performance with Energy Star 2.76 22.4 1,241.1 16.9 \$ 498.5 \$ 94.9 \$ 30.5 6,937.3 312.9 83.2 32,714 ENERGY STAR Lighting 3.98 ENERGY STAR Appliances 1.50 Ś 467.7 \$ 136.5 \$ 175.0 4,069.8 53.3 47.7 2,199 \$ 231.3 \$ 30.8 85 Home Energy Assistance 1.16 199.5 \$ -1,004.0 30.8 High Efficiency Heat Pump \$ 934.1 \$ 71.9 \$ 15,316.7 356.3 4.3 14 5.16 109.2 \$ 4,007.0 \$ 722.4 \$ 788.2 35,080 Subtotal Residential 3.49 424.3 29,961.4 228.4 **Commercial/Industrial Programs** \$ 916.3 \$ 75.2 \$ 10,746.1 195.9 10 New Construction / Major Renovation 1.86 417.3 112.0 1,338.0 \$ 170.7 \$ \$ 403.7 18 Large C&I Retrofit 2.33 18,936.4 685.5 115.9 \$ 671.2 \$ 238.5 \$ 45 Small C&I Retrofi: 224.3 8,333.3 120.0 125.9 1.45 Other (Education) 0.00 \$ \$ 15.3 \$ ------Smart Start \$ \$ 0.00 \$ 6.5 ------Subtotal C&I 1.89 \$ 2,925.5 \$ 506.1 \$ 1,045.2 38,015.8 917.5 437.7 73 Total \$ 6,932.6 \$ 1,228.5 \$ 1,469.5 67,977.2 1,705.7 666.1 35,153

Program Cost-Effectiveness - 2010 ACTUAL

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			CAF	PACITY			EN	IERGY		
	Total Benefits (\$000)	Summer Generation	Winter Generation	Transmission	Distribution	Winter Peak	Winter Off Peak	Summer Peak	Summer Off Peak	Non Electric Resource
Residential Programs	(1-2-1									
ENERGY STAR Homes	\$733	\$8,712	\$0	\$2,404	\$7,803	\$14,478	\$17,670	\$9,185	\$9,416	\$663,467
Home Performance w/Energy Star	\$302	\$33,164	\$0	\$14,902	\$48,383	\$47,941	\$58,777	\$23,846	\$28,122	\$46,630
ENERGY STAR Lighting ^{*1}	\$581	\$14,587	\$0	\$5,894	\$19,136	\$166,586	\$198,907	\$81,286	\$94,510	\$0
ENERGY STAR Appliances	\$368	\$9,843	\$0	\$4,388	\$14,245	\$66,212	\$81,023		\$39,195	\$118,985
Home Energy Assistance	\$338	\$5,759	\$0	\$2,576	\$8,363	\$14,183	\$17,461	\$7,072	\$8,369	\$274,511
High Efficiency Heat Pump	\$400	\$8,416	<u>\$0</u>	\$1,939	\$6,295	\$127,661	\$237,914	\$9,886	\$8,005	\$0
Subtotal Residential	\$2,722	\$80,481	\$0	\$32,103	\$104,225	\$437,061	\$611,752	\$165,544	\$187,617	\$1,103,593
Commercial/Industrial Programs										
New Construction / Major Renovation	\$167	\$7,824	\$0	\$3,331	\$10,816	\$41,736	\$54,899	\$21,807	\$26,700	\$0
Large C&I Retrofit	\$681	\$25,962	\$0	\$11,561	\$37,534	\$226,952	\$258,400	\$75,218	\$45,707	\$0
Small C&I Retrofit	\$264	\$14,996	\$0	\$6,678	\$21,681	\$81,746	\$64,113	\$43,345	\$31,522	\$0
Other (Education)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Smart Start	\$0	\$0	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	\$0	\$0	\$0	<u>\$0</u>	\$0
Subtotal C&I	\$1,113	\$48,782	\$0	\$21,570		\$350,434	\$377,412		\$103,929	<u>\$0</u> \$0
Total	\$3,835	\$129,263	\$0	\$53,673	\$174,256	\$787,495	\$989,164	\$305,914	\$291,546	\$1,103,593

Present Value Benefits - 2011 PLAN

				CAPA	ACITY						
		Total Benefits (\$000)	Summer Generation	Winter Generation	Transmission	Distribution	Winter Peak	Winter Off Peak	Summer Peak	Summer Off Peak	Non Electric Resource
Residential Programs											
ENERGY STAR Homes		\$1,675	\$15,034	\$0	\$3,813	\$12,379	\$25,590	\$31,254	\$14,447	\$16,149	\$1,556,09
Home Performance w/Energ	y Star	\$201	\$18,327	\$0	\$7,198	\$23,369	\$23,976	\$29,450	\$12,043	\$14,352	\$71,98
NERGY STAR Lighting *1		\$499	\$12,430	\$0	\$4,970	\$16,136	\$143,171	\$170,805	\$69,819	\$81,184	;
ENERGY STAR Appliances		\$468	\$11,895	\$0	\$5,314	\$17,252	\$80,561	\$98,675	\$42,367	\$47,960	\$163,65
Home Energy Assistance		\$231	\$8,148	\$0	\$3,652	\$11,889	\$20,053	\$24,593	\$9,974	\$11,769	\$141,18
High Efficiency Heat Pump		<u>\$934</u>	\$4,278	<u>\$0</u>	<u>\$986</u>	\$3,200	\$313,363	<u>\$594,701</u>	\$6,683	\$6,913	\$3,99
	Subtotal Residential	\$4,007	\$70,112	\$0	\$25,942	\$84,226	\$606,713	\$949,478	\$155,332	\$178,325	\$1,936,93
Commercial/Industrial Prog	rams										
New Construction / Major Fle	enovation	\$916	\$70,995	\$0	\$30,228	\$98,139	\$245,146	\$167,160	\$180,824	\$123,811	3
arge C&I Retrofit		\$1,338	\$35,713	\$0	\$15,903	\$51,631	\$426,587	\$639,224	\$98,060	\$70,930	
Small C&I Retrofit		\$671	\$38,745	\$0	\$17,251	\$56,009	\$215,192	\$160,580	\$111,463	\$71,951	5
Other (Education)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Smart Start		<u>\$0</u>	<u>\$0</u>	\$0	\$0	<u>\$0</u>	<u>\$0</u>	\$0	<u>\$0</u>	\$0	
	Subtotal C&I	\$2,926	\$145,452	\$0	\$63,382	\$205,780	\$886,926	\$966,965	\$390,347	\$266,692	
	Total	\$6,933	\$215,565	\$0	\$89,324	\$290,006	\$1,493,638	\$1,916,442	\$545,679	\$445,017	\$1,936,9

Present Value Benefits - 2011 Actual

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Member Incentive Calculation

2011

	Planned	Actual
Commercial/Industrial Incentive		
1. Benefit/Cost Ratio	1.52	1.89
2. Threshold Benefit / Cost Ratio ¹	1.00	
3. Lifetime kWh Savings	14,714,884	38,015,837
4. Threshold Lifetime kWh Savings (65%) ²	9,564,675	
5. Budget	\$384,776	\$308,725
6. Benefit / Cost Percentage of Budget	4.00%	
7. Lifetime kWh Percentage of Budget	4.00%	
la en l'anni el na mini de destadado en interestados per substituidad general. La entrestado en la seconda de la entrestado en la entrestado en la entrestado en la entrestado en la entrestad		
8. C/I Member Incentive	\$30,782	\$37,047
9. Cap (12%)	\$37,047	
Residential Incentive		
10. Benefit / Cost Ratio	2.54	3.49
11. Threshold Benefit / Cost Ratio 1	1.00	
12. Lifetime kWh Savings	21,667,690	29,961,360
13. Threshhold Lifetime kWh Savings (65%) ²	14,083,999	
14. Budget	\$735,341	\$588,330
15. Benefit / Cost Percentage of Budget	4.00%	
16. Lifetime kWh Percentage of Budget	4.00%	
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17. Residential Incentive	\$58,827	\$64,879
18. Cap (12%)	\$70,600	
19. TOTAL INCENTIVE EARNED		\$101,926

Notes

1. Actual Benefit / Cost Ratio for each sector must be greater than or equal to 1.0.

2. Actual Lifetime kWh Savings for each sector must be greater than or equal to 65% of projected savings.

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Planned Versus Actual Benefit / Cost Ratio by Sector 2011

6		Planned		Actual
Commercial & Industrial:				
1. Benefits (Value) From Eligible Programs	\$	1,112,528	\$	2,925,543
2. Implementation Expenses ¹	\$	384,776	\$	308,725
3. Member Contribution	\$	347,953	\$	895,352
4. Estimated Member Incentive		<u>\$30,782</u>		\$37,047
5. Total Costs Including Member Incentive	\$	732,729	\$	1,551,305
6. Benefit/Cost Ratio - C&I Sector		1.52		1.89
Residential:				
7. Benefits (Value) From Eligible Programs	\$	2,722,376	ć	4,007,048
7. Denents (value) From Eligible Frograms	Ş	2,122,510	Ş	4,007,048
8. Implementation Expenses ²	\$	735,341	Ś	588,330
9. Member Contribution	\$	335,197	\$	
10. Estimated Member Incentive	\$	58,827	ŝ	64,879
	\$		7 6	
11. Total Costs Including Member Incentive	Ş	1,070,538	\$	1,146,699
12. Benefit/Cost Ratio - Residential Sector		2.54		3.49
12. Denenty cost Natio - Nesidential Sector		2.54		3.43

1. Actual commercial implementation expenses of \$505,950 reduced by 2010 carryover amount of \$197,350.

2. Actual residential implementation expenses of \$724;302 reduced by 2010 carryover amount of \$134,100.

Actual Lifetime Energy Savings by Sector and Program 2011

	Lifetime kWh Savings			
	<u>Planned</u>	Actual		
Commercial & Industrial:				
New Equipment & Construction	2,248,898	10,746,105		
Large C&I Retrofit	9,167,837	18,936,430		
Small Business Energy Solutions	3,298,149	8,333,302		
Education	0	0		
Other	<u>0</u>	<u>0</u>		
	44744004	20.045.027		
Total Commercial & Industrial Included for Incentive Calculation	14,714,884	38,015,837		
Residential:				
Home Energy Assistance Program	717,727	1,003,965		
Home Energy Solutions Program	2,398,242	1,241,106		
ENERGY STAR Homes Program	799,852	1,392,529		
ENERGY STAR Appliance Program	3,329,756	4,069,783		
ENERGY STAR Lighting Program	8,070,159	6,937,277		
High Efficiency Heat Pump Program	6,351,954	<u>15,316,700</u>		
Total Residential Included for Incentive Calculation	21,667,690	29,961,360		

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2011 End of Year Reconciliation

		<u>2011</u>
Carry Forward Balance	\$	576,201
Funding:		
System Benefit Charge	\$	1,223,287
Forward Capacity Market	\$ \$	46,283
Interest		24,305
Total Funding for 2011 Energy Efficiency Programs	\$	1,293,876
Expenses:		
Energy Efficiency Expenditures	\$	1,222,658
FCM Expenses	\$ \$	10,377
Member Incentive - 2010 ¹		\$ 67,758
Member Incentive - 20011 ²		\$101,926
Total 2011 Program Expenses	\$	1,402,719
		467.050
Carry Forward Balance	<u></u>	467,359

2. 2010 member incentive accrued in 2010 and booked in 2011

3. 2011 member incentive accrued in 2011 and booked in 2012