

Appendix D
Program Cost Effectiveness

2010 Electric Utility CostTest				Costs				Benefit		
Sch. No.	Program Name	Meas Life	Electric End-Use Type	kWh Savings	Program Overhead Cost	Incentive Payments	Total Program Administrator Cost	Levelized Program Administrator Cost per kWh	Cost Eff. Standard Value per kWh	UC B/C Ratio
				a	b	c	d=b+c	e=levelized d/a	f	g=f/e
200	Residential Information Services			-	\$ 882,368	\$ -	\$ 882,368			
201	Low Income	20	SFSH	2,701,016	\$ 268,995	\$ 2,457,224.68	\$ 2,726,219	\$ 0.105	\$ 0.187	1.79
202	Energy Education	10	LIGHTING	-	\$ 440,576	\$ -	\$ 440,576	#DIV/0!	\$ 0.116	#DIV/0!
214	Single Family Existing	9	LIGHTING	83,164,576	\$ 6,368,612	\$ 8,205,478.27	\$ 14,574,090	\$ 0.028	\$ 0.114	4.02
215	Single Family New Construction	14	LIGHTING	2,632,578	\$ 471,785	\$ 783,821.00	\$ 1,255,606	\$ 0.059	\$ 0.124	2.11
216	Single Family Fuel Conversion	30	SFSH	3,162,250	\$ 111,293	\$ 682,517.00	\$ 793,810	\$ 0.023	\$ 0.203	8.89
217	Multi Family Existing	16	SFSH	11,089,740	\$ 1,102,195	\$ 3,173,295.01	\$ 4,275,490	\$ 0.044	\$ 0.179	4.04
218	Multi Family New Construction	17	LIGHTING	2,551,999	\$ 134,993	\$ 1,072,073.21	\$ 1,207,066	\$ 0.053	\$ 0.129	2.44
249	Pilots excluding: Home Energy Reports (Pilot)	18	SFSH	188,178	\$ 30,719	\$ 38,300.00	\$ 69,019	\$ 0.040	\$ 0.183	4.59
	Total Residential Efficiency Programs	11	LIGHTING	105,490,337	\$ 10,261,448	\$ 16,412,709	\$ 26,674,157	\$ 0.036	\$ 0.118	3.29
250	C/I Retrofit	13	CILTG	82,618,365	\$ 2,562,180	\$ 19,804,719	\$ 22,366,899	\$ 0.035	0.144	4.15
251	C/I New Construction	15	CILTG	16,791,573	\$ 187,000	\$ 4,535,188	\$ 4,722,188	\$ 0.033	0.148	4.44
253	Resource Conservation Manager - RCM	2	CILTG	20,168,854	\$ 619,567	\$ 301,759	\$ 921,326	\$ 0.026	0.105	4.09
255	Small Business Lighting Rebate	12	CILTG	25,178,226	\$ 572,478	\$ 6,676,069	\$ 7,248,547	\$ 0.039	0.142	3.67
257	LED Traffic Signals	7	CILTG	334,470	\$ 741	\$ 13,360	\$ 14,101	\$ 0.008	0.130	15.96
258	Large Power User - Self Directed ¹	13	CILTG	604,218	\$ 17,965	\$ 288,643	\$ 306,608	\$ 0.065	0.144	2.21
260	Commercial Energy Efficiency Information			-	\$ 101,741	\$ -	\$ 101,741			
262	Commercial Rebates	7	FLAT	18,873,914	\$ 523,172	\$ 2,047,111	\$ 2,570,283	\$ 0.026	0.110	4.17
	Total Business Efficiency Programs	11	CILTG	164,569,620	\$ 4,584,845	\$ 33,666,849	\$ 38,251,693	\$ 0.033	0.140	4.24
254	NW Energy Efficiency Alliance	5	LIGHTING	23,499,998	\$ 4,946,460	\$ -	\$ 4,946,460	\$ 0.053	0.104	1.96
	Total Regional Efficiency Programs	5	LIGHTING	23,499,998	\$ 4,946,460	\$ -	\$ 4,946,460	\$ 0.053	0.104	1.96
261	Energy Efficient Technology Evaluation			-	\$ 12,225	\$ -	\$ 12,225			
270	Local Infrastructure, Mkt Transformation			-	\$ 64,742	\$ -	\$ 64,742			
n/a	Program Support			-	\$ 170,337	\$ -	\$ 170,337			
n/a	Program Evaluation			-	\$ 1,026,341	\$ -	\$ 1,026,341			
n/a	Conservation Market Research			-	\$ 580,052	\$ -	\$ 580,052			
n/a	Conservation Supply Curves			-	\$ 358,513	\$ -	\$ 358,513			
n/a	Mainstreaming Green			-	\$ 141,747	\$ -	\$ 141,747			
n/a	EES Market Integration			-	\$ 157,767	\$ -	\$ 157,767			
n/a	Energy Efficient Green Communities			-	\$ 218,249	\$ -	\$ 218,249			
	Total Other Programs			-	\$ 2,729,974	\$ -	\$ 2,729,974			
	Total All Efficiency Programs	11	LIGHTING	293,559,955	\$ 22,522,726	\$ 50,079,558	\$ 72,602,284	\$ 0.035	0.118	3.37
				33.5 aMW						
150	Net Metering			-	\$ 184,572	\$ -	\$ 184,572			
248	Small Scale Renewables			-	\$ 323,948	\$ -	\$ 323,948			
249A	C/I Load Control Pilot			-	\$ 602,479	\$ -	\$ 602,479			
249A	Demand Response Pilot Programs			-	\$ 536,221	\$ -	\$ 536,221			

Highlighted cells indicate adjusted savings totals, copied from revised Appendix A.

¹Schedule 258, Large Power - Self Directed Total Administrator costs were adjusted. Some program costs related to 2009 projects did not clear until 2010. The indicated amount reflects an accurate accounting of 2010 expenses, adjusted for the four-year cycle true-up.

Appendix D
Program Cost Effectiveness

2010 Electric Total Resource CostTest					Costs							Benefits				
Sch. No.	Program Name	Meas Life	Electric End-Use Type	kWh Savings	Program Overhead Cost	Incentive	Customer Cost	Incremental Measure Cost	Other Contribution Costs	Total Resource Cost	Levelized Total Resource Cost per kWh	Non-Energy Benefits	Non-Energy Benefits per kWh	Cost Eff. Standard Value per kWh	Total Benefits per kWh	TRC B/C Ratio
				a	b	1	2	c=1+2	d	e=b+c+d	f=levelized e/a	g	h=levelized g/a	i	j=h+i	k=j/f
200	Residential Information Services			-	\$ 882,368	\$ -	\$ -	\$ -	\$ -	\$ 882,368	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
201	Low Income	20	SFSH	2,701,016	\$ 268,995	\$ 2,457,225	\$ -	\$ 2,457,225	\$ 1,590,720	\$ 4,316,939	\$ 0.166	\$ -	\$ -	\$ 0.206	\$ 0.206	1.24
202	Energy Education	10	LIGHTING	-	\$ 440,576	\$ -	\$ -	\$ -	\$ -	\$ 440,576	#DIV/0!	\$ -	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
214	Single Family Existing	9	LIGHTING	83,164,576	\$ 6,368,612	\$ 8,205,478	\$ 18,200,305	\$ 26,405,784	\$ -	\$ 32,774,396	\$ 0.064	\$ -	\$ -	\$ 0.125	\$ 0.125	1.97
215	Single Family New Construction	14	LIGHTING	2,632,578	\$ 471,785	\$ 783,821	\$ 87,866	\$ 871,687	\$ -	\$ 1,343,472	\$ 0.063	\$ -	\$ -	\$ 0.136	\$ 0.136	2.17
216	Single Family Fuel Conversion	30	SFSH	3,162,250	\$ 111,293	\$ 682,517	\$ 1,528,024	\$ 2,210,541	\$ -	\$ 2,321,834	\$ 0.067	-\$3,094,397.80	\$ (0.089)	\$ 0.223	\$ 0.134	2.01
217	Multi Family Existing	16	SFSH	11,089,740	\$ 1,102,195	\$ 3,173,295	\$ 2,991,153	\$ 6,164,448	\$ -	\$ 7,266,644	\$ 0.075	\$ -	\$ -	\$ 0.197	\$ 0.197	2.61
218	Multi Family New Construction	17	LIGHTING	2,551,999	\$ 134,993	\$ 1,072,073	\$ 48,300	\$ 1,120,373	\$ -	\$ 1,255,366	\$ 0.055	\$ -	\$ -	\$ 0.142	\$ 0.142	2.58
249	Pilots excluding: Home Energy Reports (Pilot)	18	SFSH	188,178	\$ 30,719	\$ 38,300	\$ 29,868	\$ 68,168	\$ -	\$ 98,887	\$ 0.057	\$ -	\$ -	\$ 0.201	\$ 0.201	3.53
	Total Residential Efficiency Programs	19	LIGHTING	105,490,337	\$ 10,261,448	\$ 16,412,709	\$ 22,885,517	\$ 39,298,226	\$ 1,590,720	\$ 51,150,393	\$ 0.051	\$ (3,094,398)	\$ (0.003)	\$ 0.142	\$ 0.139	2.70
250	C/I Retrofit	13	CILTG	82,618,365	\$ 2,562,180	\$ 19,804,719	\$ 14,544,936	\$ 31,086,476	\$ -	\$ 33,648,656	\$ 0.052	\$ -	\$ -	\$ 0.158	\$ 0.158	3.03
251	C/I New Construction	15	CILTG	16,791,573	\$ 187,000	\$ 4,535,188	\$ -	\$ 4,535,188	\$ -	\$ 4,722,188	\$ 0.033	\$ -	\$ -	\$ 0.163	\$ 0.163	4.88
253	Resource Conservation Manager - RCM	2	CILTG	20,168,854	\$ 619,567	\$ 301,759	\$ 1,037,054	\$ 1,338,813	\$ -	\$ 1,958,380	\$ 0.055	\$ -	\$ -	\$ 0.116	\$ 0.116	2.12
255	Small Business Lighting Rebate	12	CILTG	25,178,226	\$ 572,478	\$ 6,676,069	\$ 1,745,069	\$ 8,421,138	\$ -	\$ 8,993,616	\$ 0.048	\$ -	\$ -	\$ 0.156	\$ 0.156	3.25
257	LED Traffic Signals	7	CILTG	334,470	\$ 741	\$ 13,360	\$ 95,129	\$ 108,489	\$ -	\$ 109,230	\$ 0.063	\$ -	\$ -	\$ 0.143	\$ 0.143	2.27
258	Large Power User - Self Directed1	13	CILTG	604,218	\$ 17,965	\$ 288,643	\$ 100,031	\$ 388,674	\$ -	\$ 406,639	\$ 0.086	\$ -	\$ -	\$ 0.158	\$ 0.158	1.84
260	Commercial Energy Efficiency Information			-	\$ 101,741	\$ -	\$ -	\$ -	\$ -	\$ 101,741	\$ -	\$ -	\$ -	\$ -	\$ -	-
262	Commercial Rebates	7	FLAT	18,873,914	\$ 523,172	\$ 2,047,111	\$ 3,873,997	\$ 5,921,108	\$ -	\$ 6,444,280	\$ 0.066	\$ -	\$ -	\$ 0.121	\$ 0.121	1.83
	Total Business Efficiency Programs	11	CILTG	164,569,620	\$ 4,584,845	\$ 33,666,849	\$ 21,396,216	\$ 51,799,886	\$ -	\$ 56,384,731	\$ 0.049	\$ -	\$ -	\$ 0.154	\$ 0.154	3.17
254	NW Energy Efficiency Alliance	9	LIGHTING	23,499,998	\$ 4,946,460	\$ -	\$ -	\$ 4,946,460	\$ -	\$ 9,892,920	\$ 0.068	\$ -	\$ -	\$ 0.125	\$ 0.125	1.84
	Total Regional Efficiency Programs	9	LIGHTING	23,499,998	\$ 4,946,460	\$ -	\$ -	\$ 4,946,460	\$ -	\$ 9,892,920	\$ 0.068	\$ -	\$ -	\$ 0.125	\$ 0.13	1.84
261	Energy Efficient Technology Evaluation			-	\$ 12,225	\$ -	\$ -	\$ -	\$ -	\$ 12,225	\$ -	\$ -	\$ -	\$ -	\$ -	-
270	Local Infrastructure, Mkt Transformation			-	\$ 64,742	\$ -	\$ -	\$ -	\$ -	\$ 64,742	\$ -	\$ -	\$ -	\$ -	\$ -	-
n/a	Program Support			-	\$ 170,337	\$ -	\$ -	\$ -	\$ -	\$ 170,337	\$ -	\$ -	\$ -	\$ -	\$ -	-
n/a	Program Evaluation			-	\$ 1,026,341	\$ -	\$ -	\$ -	\$ -	\$ 1,026,341	\$ -	\$ -	\$ -	\$ -	\$ -	-
n/a	Conservation Market Research			-	\$ 580,052	\$ -	\$ -	\$ -	\$ -	\$ 580,052	\$ -	\$ -	\$ -	\$ -	\$ -	-
n/a	Conservation Supply Curves			-	\$ 358,513	\$ -	\$ -	\$ -	\$ -	\$ 358,513	\$ -	\$ -	\$ -	\$ -	\$ -	-
n/a	Mainstreaming Green			-	\$ 141,747	\$ -	\$ -	\$ -	\$ -	\$ 141,747	\$ -	\$ -	\$ -	\$ -	\$ -	-
n/a	EES Market Integration			-	\$ 157,767	\$ -	\$ -	\$ -	\$ -	\$ 157,767	\$ -	\$ -	\$ -	\$ -	\$ -	-
n/a	Energy Efficient Green Communities			-	\$ 218,249	\$ -	\$ -	\$ -	\$ -	\$ 218,249	\$ -	\$ -	\$ -	\$ -	\$ -	-
	Total Other Programs	0		-	\$ 2,729,974	\$ -	\$ -	\$ -	\$ -	\$ 2,729,974	\$ -	\$ -	\$ -	\$ -	\$ -	-
	Total All Efficiency Programs	11	LIGHTING	293,559,955	\$ 22,522,726	\$ 50,079,558	\$ 44,281,732	\$ 96,044,572	\$ 1,590,720	\$ 120,158,018	\$ 0.058	0.118	\$ 0.000	\$ 0.130	\$ 0.130	2.24
				33.5	aMW											
150	Net Metering				\$ 184,572					\$ 184,572						
248	Small Scale Renewables				\$ 323,948					\$ 323,948						
249A	Demand Response Pilot Programs				\$ 536,221					\$ 536,221						
249A	C/I Load Control Pilot				\$ 602,479					\$ 602,479						

Fuel Conversion TRC is based on a Very Conservative outlook on discount rate for future gas expenditures.

Appendix D
Program Cost Effectiveness

2010 Gas Utility Cost Test					Costs				Benefit	
Sch. No.	Program Name	Meas Life	Gas End-Use Type	Therm Savings	Program Overhead Cost	Incentive Payments	Total Program Administrator Cost	Levelized Program Administrator Cost per Therm	Cost Eff. Standard Value per Therm	UC B/C Ratio
				a	b	c	d=b+c	e=levelized d/a	f	g=f/e
203	Low Income	28	SH	56,200	\$ 84,770	\$ 753,679	\$ 838,449	\$ 1.381	1.457	1.05
206	Residential Information Services			-	\$ 501,049	\$ -	\$ 501,049			
207	Energy Education	10	SH	-	\$ 257,194		\$ 257,194	#DIV/0!	1.198	#DIV/0!
214	Single Family Existing	22	SH	2,340,463	\$ 2,174,629	\$ 7,674,416	\$ 9,849,045	\$ 0.421	1.388	3.30
215	Single Family New Construction	16	SH	110,720	\$ 241,060	\$ 424,040	\$ 665,100	\$ 0.690	1.300	1.89
217	Multi Family Existing	24	SH	63,404	\$ 147,698	\$ 332,027	\$ 479,725	\$ 0.734	1.413	1.93
218	Multi Family New Construction	18	SH	18,255	\$ 67,853	\$ 119,875	\$ 187,728	\$ 1.116	1.332	1.19
249	Pilots excluding : Home Energy Reports	15	SH	19,224	\$ 31,945	\$ 53,400	\$ 85,345	\$ 0.527	1.285	2.44
				-	\$ 206,887	\$ -	\$ 206,887			
	Total Residential Efficiency Programs	22	SH	2,608,266	\$ 3,713,085	\$ 9,357,437	\$ 13,070,522	\$ 0.501	\$ 1.388	2.77
205	C&I Retrofit	17	CISH	757,564	\$ 587,736	\$ 3,475,532	\$ 4,063,268	\$ 0.598	1.344	2.25
208	Resiurce Conservation Manager	2	CISH	1,125,704	\$ 358,616	\$ 190,836	\$ 549,453	\$ 0.275	0.956	3.48
251 (E251 G205)	C&I New Construction	14	CISH	100,631	\$ 71,802	\$ 422,713	\$ 494,515	\$ 0.605	1.295	2.14
260	Commercial Energy Efficiency Information			-	\$ 71,888	\$ -	\$ 71,888			
262	Commercial Rebates	5	CISH	389,893	\$ 131,297	\$ 322,209	\$ 453,506	\$ 0.293	1.110	3.78
	Total Commercial Efficiency Programs	8	CISH	2,373,792	\$ 1,221,340	\$ 4,411,290	\$ 5,632,630	\$ 0.417	\$ 1.184	2.84
261	Energy Efficient Technology Evaluation			-	\$ 26,595	\$ -	\$ 26,595			
270	Local Infrastructure & Mkt Transformation			-	\$ 24,816	\$ -	\$ 24,816			
241	Community Efficiency Manager			-	\$ -	\$ -	\$ -			
	Conservation Supply Curves			-	\$ 90,172	\$ -	\$ 90,172			
	EES Market Integration			-	\$ 101,258	\$ -	\$ 101,258			
	Energy Efficient Green Communtties			-	\$ 74,518	\$ -	\$ 74,518			
	Mainstreaming Green			-	\$ 97,860	\$ -	\$ 97,860			
	Market Research			-	\$ 140,951	\$ -	\$ 140,951			
	Program Evalauation and Research			-	\$ 350,059	\$ -	\$ 350,059			
	Program Support			-	\$ 2,145	\$ -	\$ 2,145			
	Total Efficiency Support Activities			-	\$ 908,376	\$ -	\$ 908,376			
	Total All Efficiency Programs	15	SH	4,982,058	\$ 5,842,801	\$ 13,768,727	\$ 19,611,528	\$ 0.467	\$ 1.285	2.75

Highlighted cells indicate
adjusted savings totals,
copied from revised
Appendix A.

Appendix D
Program Cost Effectiveness

2010 Gas Total Resource Cost Test																
Sch. No.	Program Name	Meas Life	Gas End-Use Type	Therm Savings	Costs						Benefits					TRC B/C Ratio
					Program Overhead Cost	Incentives	Customer Cost	Incremental Measure Cost	Other Contributions	Total Resource Cost	Levelized Total Resource Cost per Therm	Non-Energy Benefits	Levelized Non-Energy Benefits per Therm	Cost Eff. Standard Value per Therm	Total Benefits per Therm	
				a	b		c	d	e=b+c+d	f=levelized e/a	g	h=levelized g/a	i	j=h+i	k=j/f	
203	Low Income	28	SH	56,200	\$ 84,770	\$ 753,679		\$ 753,679	\$ 815,779	\$ 1,654,228	\$ 2.724	\$ -	\$ -	\$ 1.597	\$ 1.597	0.59
206	Residential Information Services			-	\$ 501,049			\$ -	\$ -	\$ 501,049		\$ -	\$ -	\$ -	\$ -	
207	Energy Education	10	SH	-	\$ 257,194			\$ -	\$ -	\$ 257,194	#DIV/0!	\$ -	\$ -	\$ 1.313	#DIV/0!	#DIV/0!
214	Single Family Existing	22	SH	2,340,463	\$ 2,174,629	\$ 7,674,416	\$ 22,146,581	\$ 29,820,996	\$ -	\$ 31,995,625	\$ 1.367	\$ -	\$ -	\$ 1.522	\$ 1.522	1.11
215	Single Family New Construction	16	SH	110,720	\$ 241,060	\$ 424,040	\$ 457,371	\$ 881,411	\$ -	\$ 1,122,471	\$ 1.164	\$ -	\$ -	\$ 1.426	\$ 1.426	1.23
217	Multi Family Existing	24	SH	63,404	\$ 147,698	\$ 332,027	\$ 485,735	\$ 817,762	\$ -	\$ 965,460	\$ 1.477	\$ -	\$ -	\$ 1.549	\$ 1.549	1.05
218	Multi Family New Construction	18	SH	18,255	\$ 67,853	\$ 119,875	\$ 11,690	\$ 131,565	\$ -	\$ 199,418	\$ 1.186	\$ -	\$ -	\$ 1.461	\$ 1.461	1.23
249	Pilots excluding : Home Energy Reports	15	SH	19,224	\$ 31,945	\$ 53,400	\$ 220,275	\$ 273,675	\$ -	\$ 305,620	\$ 1.886	\$ -	\$ -	\$ 1.408	\$ 1.408	0.75
	Total Residential Efficiency Programs	22	SH	2,608,266	\$ 3,713,085	\$ 9,357,437	\$ 23,321,652	\$ 32,679,089	\$ 815,779	\$ 37,207,954	\$ 1.426	\$ -	\$ -	\$ 1.522	\$ 1.522	1.07
205	C&I Retrofit	17	CISH	757,564	\$ 587,736	\$ 3,475,532	\$ 3,206,052	\$ 6,681,583	\$ -	\$ 7,269,319	\$ 1.070	\$ -	\$ -	\$ 1.47	\$ 1.473	1.38
208	Resiurce Conservation Manager	2	CISH	1,125,704	\$ 358,616	\$ 190,836	\$ 818,422	\$ 1,009,258	\$ -	\$ 1,367,875	\$ 0.684	\$ -	\$ -	\$ 1.05	\$ 1.047	1.53
251	C&I New Construction	14	CISH	100,631	\$ 71,802	\$ 422,713	\$ -	\$ 422,713	\$ -	\$ 494,515	\$ 0.605	\$ -	\$ -	\$ 1.42	\$ 1.419	2.35
260	Commercial Energy Efficiency Information			-	\$ 71,888	\$ -	\$ -	\$ -	\$ -	\$ 71,888		\$ -	\$ -	\$ -	\$ -	
262	Commercial Rebates	5	CISH	389,893	\$ 131,297	\$ 322,209	\$ 1,152,764	\$ 1,474,973	\$ -	\$ 1,606,270	\$ 1.039	\$ -	\$ -	\$ 1.21	\$ 1.215	1.17
	Total Commercial Efficiency Programs	8	CISH	2,373,792	\$ 1,221,340	\$ 4,411,290	\$ 5,177,238	\$ 9,588,528	\$ -	\$ 10,809,867	0.800	\$ -	\$ -	\$ 1.296	\$ 1.296	1.62
261	Energy Efficient Technology Evaluation			-	\$ 26,595	\$ -	\$ -	\$ -	\$ -	\$ 26,595		\$ -	\$ -	\$ -	\$ -	
270	Local Infrastructure & Mkt Transformation			-	\$ 24,816	\$ -	\$ -	\$ -	\$ -	\$ 24,816		\$ -	\$ -	\$ -	\$ -	
241	Community Efficiency Manager			-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	
	Conservation Supply Curves			-	\$ 90,172	\$ -	\$ -	\$ -	\$ -	\$ 90,172		\$ -	\$ -	\$ -	\$ -	
	EES Market Integration			-	\$ 101,258	\$ -	\$ -	\$ -	\$ -	\$ 101,258		\$ -	\$ -	\$ -	\$ -	
	Energy Efficient Green Communities			-	\$ 74,518	\$ -	\$ -	\$ -	\$ -	\$ 74,518		\$ -	\$ -	\$ -	\$ -	
	Mainstreaming Green			-	\$ 97,860	\$ -	\$ -	\$ -	\$ -	\$ 97,860		\$ -	\$ -	\$ -	\$ -	
	Market Research			-	\$ 140,951	\$ -	\$ -	\$ -	\$ -	\$ 140,951		\$ -	\$ -	\$ -	\$ -	
	Program Evaluation and Research			-	\$ 350,059	\$ -	\$ -	\$ -	\$ -	\$ 350,059		\$ -	\$ -	\$ -	\$ -	
	Program Support			-	\$ 2,145	\$ -	\$ -	\$ -	\$ -	\$ 2,145		\$ -	\$ -	\$ -	\$ -	
	Total Efficiency Support Activities			-	\$ 908,376	\$ -	\$ -	\$ -	\$ -	\$ 908,376		\$ -	\$ -	\$ -	\$ -	
	Total All Efficiency Programs	15	SH	4,982,058	\$ 5,842,801	\$ 13,768,727	\$ 28,498,890	\$ 42,267,617	\$ 815,779	\$ 48,926,197	1.165	\$ -	\$ -	\$ 1.408	\$ 1.408	1.21

The 0.59 TRC for LIW was impacted by the application of ENRON dollars funding energy-related repairs in 2010.

LEVELIZED FIXED CHARGE RATE FOR

Discount Rate: 8.25%

Number of Years	Levelized Fixed Charge Rate (%)
1	108.250
2	56.269
3	38.979
4	30.360
5	25.211
6	21.796
7	19.372
8	17.567
9	16.175
10	15.071
11	14.178
12	13.442
13	12.827
14	12.306
15	11.862
16	11.479
17	11.146
18	10.856
19	10.601
20	10.375
21	10.176
22	9.998
23	9.839
24	9.697
25	9.569
26	9.454
27	9.350
28	9.256
29	9.170
30	9.093

Gas Conservation Cost Effectiveness Standard, 2010-2011

Base on Monthly Shaped System Costs from 2009 IRP Monthly Gas Avoided Cost -
2009 Trends Scenario Prices

(Levelized \$/Therm)

	Res Space Heat	Res Water Heat/Appliances	Com Space Heat	Com Water Heat/Cooking	Industrial Flat
Meas Life	SH	WH	CISH	CIWH	FLAT
1	\$ 0.870	\$ 0.786	\$ 0.894	\$ 0.788	\$ 0.786
2	\$ 0.932	\$ 0.843	\$ 0.956	\$ 0.845	\$ 0.843
3	\$ 1.001	\$ 0.913	\$ 1.026	\$ 0.916	\$ 0.913
4	\$ 1.049	\$ 0.962	\$ 1.074	\$ 0.964	\$ 0.962
5	\$ 1.084	\$ 0.994	\$ 1.110	\$ 0.997	\$ 0.994
6	\$ 1.109	\$ 1.017	\$ 1.135	\$ 1.020	\$ 1.017
7	\$ 1.133	\$ 1.038	\$ 1.160	\$ 1.041	\$ 1.038
8	\$ 1.157	\$ 1.058	\$ 1.184	\$ 1.061	\$ 1.058
9	\$ 1.178	\$ 1.077	\$ 1.205	\$ 1.080	\$ 1.077
10	\$ 1.198	\$ 1.096	\$ 1.225	\$ 1.100	\$ 1.096
11	\$ 1.216	\$ 1.113	\$ 1.243	\$ 1.117	\$ 1.113
12	\$ 1.234	\$ 1.130	\$ 1.262	\$ 1.134	\$ 1.130
13	\$ 1.251	\$ 1.147	\$ 1.279	\$ 1.151	\$ 1.147
14	\$ 1.268	\$ 1.163	\$ 1.295	\$ 1.167	\$ 1.163
15	\$ 1.285	\$ 1.180	\$ 1.313	\$ 1.183	\$ 1.180
16	\$ 1.300	\$ 1.194	\$ 1.329	\$ 1.198	\$ 1.194
17	\$ 1.316	\$ 1.210	\$ 1.344	\$ 1.213	\$ 1.209
18	\$ 1.332	\$ 1.226	\$ 1.369	\$ 1.229	\$ 1.225
19	\$ 1.347	\$ 1.240	\$ 1.391	\$ 1.244	\$ 1.240
20	\$ 1.361	\$ 1.254	\$ 1.412	\$ 1.258	\$ 1.254
21	\$ 1.375	\$ 1.268	\$ 1.432	\$ 1.271	\$ 1.267
22	\$ 1.388	\$ 1.280	\$ 1.451	\$ 1.284	\$ 1.280
23	\$ 1.401	\$ 1.293	\$ 1.469	\$ 1.296	\$ 1.293
24	\$ 1.413	\$ 1.304	\$ 1.485	\$ 1.308	\$ 1.304
25	\$ 1.425	\$ 1.316	\$ 1.501	\$ 1.319	\$ 1.315
26	\$ 1.436	\$ 1.326	\$ 1.517	\$ 1.330	\$ 1.326
27	\$ 1.446	\$ 1.337	\$ 1.531	\$ 1.340	\$ 1.337
28	\$ 1.457	\$ 1.346	\$ 1.545	\$ 1.350	\$ 1.346
29	\$ 1.467	\$ 1.356	\$ 1.558	\$ 1.360	\$ 1.356
30	\$ 1.476	\$ 1.365	\$ 1.571	\$ 1.369	\$ 1.365

1. 2010 Start Year
2. Discount rate: 8.25%

Gas Conservation Cost Effectiveness Standard, 2010-2011

Base on Monthly Shaped System Costs from 2009 IRP Monthly Gas Avoided Cost -
2009 Trends Scenario Prices

(Levelized \$/Therm)

	Res Space Heat	Res Water Heat/Appliances	Com Space Heat	Com Water Heat/Cooking	Industrial Flat
Meas Life	SH	WH	CISH	CIWH	FLAT
1	\$ 0.953	\$ 0.862	\$ 0.978	\$ 0.865	\$ 0.862
2	\$ 1.021	\$ 0.926	\$ 1.047	\$ 0.928	\$ 0.925
3	\$ 1.097	\$ 1.003	\$ 1.123	\$ 1.006	\$ 1.003
4	\$ 1.150	\$ 1.056	\$ 1.176	\$ 1.059	\$ 1.056
5	\$ 1.189	\$ 1.092	\$ 1.215	\$ 1.095	\$ 1.092
6	\$ 1.216	\$ 1.117	\$ 1.242	\$ 1.120	\$ 1.117
7	\$ 1.242	\$ 1.140	\$ 1.270	\$ 1.143	\$ 1.140
8	\$ 1.268	\$ 1.162	\$ 1.296	\$ 1.165	\$ 1.162
9	\$ 1.291	\$ 1.183	\$ 1.319	\$ 1.186	\$ 1.183
10	\$ 1.313	\$ 1.204	\$ 1.342	\$ 1.207	\$ 1.204
11	\$ 1.333	\$ 1.223	\$ 1.362	\$ 1.226	\$ 1.223
12	\$ 1.352	\$ 1.241	\$ 1.382	\$ 1.245	\$ 1.241
13	\$ 1.372	\$ 1.260	\$ 1.401	\$ 1.264	\$ 1.260
14	\$ 1.389	\$ 1.278	\$ 1.419	\$ 1.282	\$ 1.278
15	\$ 1.408	\$ 1.296	\$ 1.438	\$ 1.299	\$ 1.296
16	\$ 1.426	\$ 1.312	\$ 1.456	\$ 1.316	\$ 1.312
17	\$ 1.442	\$ 1.328	\$ 1.473	\$ 1.332	\$ 1.328
18	\$ 1.461	\$ 1.346	\$ 1.494	\$ 1.350	\$ 1.346
19	\$ 1.477	\$ 1.362	\$ 1.513	\$ 1.366	\$ 1.362
20	\$ 1.492	\$ 1.377	\$ 1.532	\$ 1.381	\$ 1.377
21	\$ 1.508	\$ 1.392	\$ 1.549	\$ 1.396	\$ 1.392
22	\$ 1.522	\$ 1.406	\$ 1.566	\$ 1.410	\$ 1.406
23	\$ 1.536	\$ 1.420	\$ 1.582	\$ 1.424	\$ 1.420
24	\$ 1.549	\$ 1.433	\$ 1.597	\$ 1.437	\$ 1.433
25	\$ 1.562	\$ 1.445	\$ 1.611	\$ 1.449	\$ 1.445
26	\$ 1.574	\$ 1.457	\$ 1.625	\$ 1.461	\$ 1.457
27	\$ 1.586	\$ 1.468	\$ 1.639	\$ 1.472	\$ 1.468
28	\$ 1.597	\$ 1.479	\$ 1.651	\$ 1.483	\$ 1.479
29	\$ 1.608	\$ 1.489	\$ 1.664	\$ 1.494	\$ 1.489
30	\$ 1.618	\$ 1.499	\$ 1.675	\$ 1.504	\$ 1.499

1. 2010 Start Year
2. Discount rate: 8.25%

Electric Conservation Cost Effectiveness Standard, 2010-2011

(Levelized \$/kWh) (Includes avoided energy and avoided capacity)

Measure Life	SF Space Heat	MF Space Heating	Residential Water Heat	Residential Lighting	Residential Heat Pump	Residential Plug Load	Commercial Cooking	Commercial Cooling	Commercial Heating	Commercial Lighting	Commercial Refrigeration	Flat
	SFSH	MFSH	WH	LIGHTING	HP	PLUG	CICOOK	CICOOL	CIHEAT	CILTG	CIREF	FLAT
1	\$ 0.127	\$ 0.104	\$ 0.100	\$ 0.084	\$ 0.153	\$ 0.087	\$ 0.078	\$ 0.055	\$ 0.167	\$ 0.103	\$ 0.088	\$ 0.084
2	\$ 0.130	\$ 0.106	\$ 0.102	\$ 0.086	\$ 0.156	\$ 0.089	\$ 0.079	\$ 0.057	\$ 0.170	\$ 0.105	\$ 0.090	\$ 0.086
3	\$ 0.139	\$ 0.116	\$ 0.111	\$ 0.095	\$ 0.166	\$ 0.098	\$ 0.088	\$ 0.065	\$ 0.180	\$ 0.115	\$ 0.100	\$ 0.095
4	\$ 0.145	\$ 0.121	\$ 0.117	\$ 0.100	\$ 0.172	\$ 0.103	\$ 0.094	\$ 0.070	\$ 0.186	\$ 0.120	\$ 0.105	\$ 0.100
5	\$ 0.149	\$ 0.126	\$ 0.121	\$ 0.104	\$ 0.176	\$ 0.107	\$ 0.097	\$ 0.074	\$ 0.191	\$ 0.124	\$ 0.109	\$ 0.104
6	\$ 0.153	\$ 0.129	\$ 0.124	\$ 0.107	\$ 0.180	\$ 0.110	\$ 0.100	\$ 0.076	\$ 0.195	\$ 0.128	\$ 0.112	\$ 0.107
7	\$ 0.156	\$ 0.132	\$ 0.127	\$ 0.110	\$ 0.183	\$ 0.113	\$ 0.103	\$ 0.078	\$ 0.199	\$ 0.130	\$ 0.115	\$ 0.110
8	\$ 0.159	\$ 0.135	\$ 0.129	\$ 0.112	\$ 0.187	\$ 0.115	\$ 0.105	\$ 0.080	\$ 0.203	\$ 0.133	\$ 0.117	\$ 0.112
9	\$ 0.162	\$ 0.138	\$ 0.132	\$ 0.114	\$ 0.190	\$ 0.118	\$ 0.107	\$ 0.081	\$ 0.206	\$ 0.135	\$ 0.119	\$ 0.115
10	\$ 0.164	\$ 0.140	\$ 0.134	\$ 0.116	\$ 0.192	\$ 0.120	\$ 0.109	\$ 0.083	\$ 0.209	\$ 0.138	\$ 0.122	\$ 0.117
11	\$ 0.167	\$ 0.142	\$ 0.136	\$ 0.118	\$ 0.195	\$ 0.122	\$ 0.111	\$ 0.084	\$ 0.212	\$ 0.140	\$ 0.124	\$ 0.119
12	\$ 0.169	\$ 0.145	\$ 0.138	\$ 0.120	\$ 0.198	\$ 0.124	\$ 0.113	\$ 0.086	\$ 0.215	\$ 0.142	\$ 0.126	\$ 0.121
13	\$ 0.172	\$ 0.147	\$ 0.140	\$ 0.122	\$ 0.201	\$ 0.126	\$ 0.115	\$ 0.087	\$ 0.218	\$ 0.144	\$ 0.127	\$ 0.122
14	\$ 0.174	\$ 0.149	\$ 0.142	\$ 0.124	\$ 0.203	\$ 0.127	\$ 0.117	\$ 0.089	\$ 0.221	\$ 0.146	\$ 0.129	\$ 0.124
15	\$ 0.176	\$ 0.151	\$ 0.144	\$ 0.125	\$ 0.206	\$ 0.129	\$ 0.118	\$ 0.090	\$ 0.223	\$ 0.148	\$ 0.131	\$ 0.126
16	\$ 0.179	\$ 0.153	\$ 0.146	\$ 0.127	\$ 0.208	\$ 0.131	\$ 0.120	\$ 0.092	\$ 0.226	\$ 0.150	\$ 0.133	\$ 0.128
17	\$ 0.181	\$ 0.155	\$ 0.148	\$ 0.129	\$ 0.210	\$ 0.133	\$ 0.121	\$ 0.093	\$ 0.229	\$ 0.152	\$ 0.135	\$ 0.129
18	\$ 0.183	\$ 0.157	\$ 0.150	\$ 0.130	\$ 0.213	\$ 0.134	\$ 0.123	\$ 0.094	\$ 0.231	\$ 0.154	\$ 0.136	\$ 0.131
19	\$ 0.185	\$ 0.159	\$ 0.152	\$ 0.132	\$ 0.215	\$ 0.136	\$ 0.125	\$ 0.095	\$ 0.234	\$ 0.155	\$ 0.138	\$ 0.133
20	\$ 0.187	\$ 0.160	\$ 0.153	\$ 0.134	\$ 0.217	\$ 0.138	\$ 0.126	\$ 0.097	\$ 0.236	\$ 0.157	\$ 0.140	\$ 0.134
21	\$ 0.189	\$ 0.162	\$ 0.155	\$ 0.135	\$ 0.219	\$ 0.139	\$ 0.128	\$ 0.098	\$ 0.238	\$ 0.159	\$ 0.141	\$ 0.136
22	\$ 0.191	\$ 0.164	\$ 0.157	\$ 0.137	\$ 0.222	\$ 0.141	\$ 0.129	\$ 0.099	\$ 0.240	\$ 0.160	\$ 0.143	\$ 0.137
23	\$ 0.192	\$ 0.165	\$ 0.158	\$ 0.138	\$ 0.223	\$ 0.142	\$ 0.130	\$ 0.100	\$ 0.242	\$ 0.162	\$ 0.144	\$ 0.139
24	\$ 0.194	\$ 0.167	\$ 0.160	\$ 0.139	\$ 0.225	\$ 0.143	\$ 0.131	\$ 0.101	\$ 0.244	\$ 0.163	\$ 0.145	\$ 0.140
25	\$ 0.196	\$ 0.168	\$ 0.161	\$ 0.140	\$ 0.227	\$ 0.144	\$ 0.133	\$ 0.102	\$ 0.246	\$ 0.165	\$ 0.147	\$ 0.141
26	\$ 0.197	\$ 0.170	\$ 0.162	\$ 0.142	\$ 0.229	\$ 0.146	\$ 0.134	\$ 0.103	\$ 0.248	\$ 0.166	\$ 0.148	\$ 0.142
27	\$ 0.199	\$ 0.171	\$ 0.163	\$ 0.143	\$ 0.231	\$ 0.147	\$ 0.135	\$ 0.104	\$ 0.250	\$ 0.167	\$ 0.149	\$ 0.143
28	\$ 0.200	\$ 0.172	\$ 0.165	\$ 0.144	\$ 0.232	\$ 0.148	\$ 0.136	\$ 0.105	\$ 0.252	\$ 0.169	\$ 0.150	\$ 0.144
29	\$ 0.202	\$ 0.173	\$ 0.166	\$ 0.145	\$ 0.234	\$ 0.149	\$ 0.137	\$ 0.105	\$ 0.253	\$ 0.170	\$ 0.151	\$ 0.145
30	\$ 0.203	\$ 0.175	\$ 0.167	\$ 0.146	\$ 0.235	\$ 0.150	\$ 0.138	\$ 0.106	\$ 0.255	\$ 0.171	\$ 0.152	\$ 0.146

1. 2010 Start Year
2. Discount rate: 8.25%

Electric Conservation Cost Effectiveness Standard, 2010-2011

(Levelized \$/kWh) (Includes avoided energy and avoided capacity)

Measure Life	SF Space Heat	MF Space Heating	Residential Water Heat	Residential Lighting	Residential Heat Pump	Residential Plug Load	Commercial Cooking	Commercial Cooling	Commercial Heating	Commercial Lighting	Commercial Refrigeration	Flat
	SFSH	MFSH	WH	LIGHTING	HP	PLUG	CICOOK	CICOOL	CIHEAT	CILTG	CIREF	FLAT
1	\$ 0.140	\$ 0.114	\$ 0.110	\$ 0.093	\$ 0.168	\$ 0.095	\$ 0.085	\$ 0.061	\$ 0.184	\$ 0.113	\$ 0.097	\$ 0.092
2	\$ 0.143	\$ 0.116	\$ 0.112	\$ 0.095	\$ 0.171	\$ 0.097	\$ 0.087	\$ 0.062	\$ 0.187	\$ 0.116	\$ 0.099	\$ 0.094
3	\$ 0.153	\$ 0.127	\$ 0.122	\$ 0.105	\$ 0.182	\$ 0.108	\$ 0.097	\$ 0.072	\$ 0.198	\$ 0.126	\$ 0.110	\$ 0.104
4	\$ 0.159	\$ 0.134	\$ 0.129	\$ 0.110	\$ 0.189	\$ 0.114	\$ 0.103	\$ 0.077	\$ 0.205	\$ 0.132	\$ 0.116	\$ 0.110
5	\$ 0.164	\$ 0.138	\$ 0.133	\$ 0.114	\$ 0.194	\$ 0.118	\$ 0.107	\$ 0.081	\$ 0.210	\$ 0.137	\$ 0.120	\$ 0.115
6	\$ 0.168	\$ 0.142	\$ 0.137	\$ 0.118	\$ 0.198	\$ 0.121	\$ 0.110	\$ 0.084	\$ 0.215	\$ 0.140	\$ 0.123	\$ 0.118
7	\$ 0.172	\$ 0.145	\$ 0.140	\$ 0.121	\$ 0.202	\$ 0.124	\$ 0.113	\$ 0.086	\$ 0.219	\$ 0.143	\$ 0.126	\$ 0.121
8	\$ 0.175	\$ 0.148	\$ 0.142	\$ 0.123	\$ 0.205	\$ 0.127	\$ 0.116	\$ 0.088	\$ 0.223	\$ 0.146	\$ 0.129	\$ 0.124
9	\$ 0.178	\$ 0.151	\$ 0.145	\$ 0.125	\$ 0.209	\$ 0.129	\$ 0.118	\$ 0.089	\$ 0.227	\$ 0.149	\$ 0.131	\$ 0.126
10	\$ 0.181	\$ 0.154	\$ 0.148	\$ 0.128	\$ 0.212	\$ 0.132	\$ 0.120	\$ 0.091	\$ 0.230	\$ 0.151	\$ 0.134	\$ 0.128
11	\$ 0.184	\$ 0.157	\$ 0.150	\$ 0.130	\$ 0.215	\$ 0.134	\$ 0.122	\$ 0.093	\$ 0.233	\$ 0.154	\$ 0.136	\$ 0.131
12	\$ 0.186	\$ 0.159	\$ 0.152	\$ 0.132	\$ 0.218	\$ 0.136	\$ 0.124	\$ 0.095	\$ 0.237	\$ 0.156	\$ 0.138	\$ 0.133
13	\$ 0.189	\$ 0.161	\$ 0.155	\$ 0.134	\$ 0.221	\$ 0.138	\$ 0.126	\$ 0.096	\$ 0.240	\$ 0.158	\$ 0.140	\$ 0.135
14	\$ 0.191	\$ 0.164	\$ 0.157	\$ 0.136	\$ 0.223	\$ 0.140	\$ 0.128	\$ 0.098	\$ 0.243	\$ 0.161	\$ 0.142	\$ 0.137
15	\$ 0.194	\$ 0.166	\$ 0.159	\$ 0.138	\$ 0.226	\$ 0.142	\$ 0.130	\$ 0.099	\$ 0.246	\$ 0.163	\$ 0.144	\$ 0.139
16	\$ 0.197	\$ 0.168	\$ 0.161	\$ 0.140	\$ 0.229	\$ 0.144	\$ 0.132	\$ 0.101	\$ 0.249	\$ 0.165	\$ 0.146	\$ 0.141
17	\$ 0.199	\$ 0.170	\$ 0.163	\$ 0.142	\$ 0.232	\$ 0.146	\$ 0.134	\$ 0.102	\$ 0.251	\$ 0.167	\$ 0.148	\$ 0.142
18	\$ 0.201	\$ 0.172	\$ 0.165	\$ 0.143	\$ 0.234	\$ 0.148	\$ 0.135	\$ 0.104	\$ 0.254	\$ 0.169	\$ 0.150	\$ 0.144
19	\$ 0.203	\$ 0.174	\$ 0.167	\$ 0.145	\$ 0.237	\$ 0.150	\$ 0.137	\$ 0.105	\$ 0.257	\$ 0.171	\$ 0.152	\$ 0.146
20	\$ 0.206	\$ 0.176	\$ 0.169	\$ 0.147	\$ 0.239	\$ 0.151	\$ 0.139	\$ 0.106	\$ 0.260	\$ 0.173	\$ 0.154	\$ 0.148
21	\$ 0.208	\$ 0.178	\$ 0.171	\$ 0.149	\$ 0.241	\$ 0.153	\$ 0.140	\$ 0.108	\$ 0.262	\$ 0.175	\$ 0.155	\$ 0.149
22	\$ 0.210	\$ 0.180	\$ 0.172	\$ 0.150	\$ 0.244	\$ 0.155	\$ 0.142	\$ 0.109	\$ 0.264	\$ 0.176	\$ 0.157	\$ 0.151
23	\$ 0.212	\$ 0.182	\$ 0.174	\$ 0.152	\$ 0.246	\$ 0.156	\$ 0.143	\$ 0.110	\$ 0.267	\$ 0.178	\$ 0.158	\$ 0.152
24	\$ 0.214	\$ 0.183	\$ 0.176	\$ 0.153	\$ 0.248	\$ 0.158	\$ 0.145	\$ 0.111	\$ 0.269	\$ 0.180	\$ 0.160	\$ 0.154
25	\$ 0.215	\$ 0.185	\$ 0.177	\$ 0.154	\$ 0.250	\$ 0.159	\$ 0.146	\$ 0.112	\$ 0.271	\$ 0.181	\$ 0.161	\$ 0.155
26	\$ 0.217	\$ 0.187	\$ 0.178	\$ 0.156	\$ 0.252	\$ 0.160	\$ 0.147	\$ 0.113	\$ 0.273	\$ 0.183	\$ 0.163	\$ 0.156
27	\$ 0.219	\$ 0.188	\$ 0.180	\$ 0.157	\$ 0.254	\$ 0.162	\$ 0.148	\$ 0.114	\$ 0.275	\$ 0.184	\$ 0.164	\$ 0.158
28	\$ 0.220	\$ 0.189	\$ 0.181	\$ 0.158	\$ 0.255	\$ 0.163	\$ 0.149	\$ 0.115	\$ 0.277	\$ 0.185	\$ 0.165	\$ 0.159
29	\$ 0.222	\$ 0.191	\$ 0.182	\$ 0.159	\$ 0.257	\$ 0.164	\$ 0.150	\$ 0.116	\$ 0.279	\$ 0.187	\$ 0.166	\$ 0.160
30	\$ 0.223	\$ 0.192	\$ 0.184	\$ 0.160	\$ 0.259	\$ 0.165	\$ 0.152	\$ 0.117	\$ 0.281	\$ 0.188	\$ 0.167	\$ 0.161

1. 2010 Start Year
2. Discount rate: 8.25%