

Application of Southern California Gas  
Company (U-902-M) for Approval of  
Natural Gas Energy Efficiency Programs  
and Budgets for Years 2009 through 2011

Application 08-07- 022

Exhibit No.: \_\_\_\_\_  
Witness: Athena M. Besa

**AMENDED**  
**PREPARED DIRECT TESTIMONY**  
**OF**  
**SOUTHERN CALIFORNIA GAS COMPANY**

**CHAPTER II**

**Appendix A: Portfolio Cost-Effectiveness (C-E) Calculations (IOU Preferred)**

**Appendix A.1: Portfolio Cost-Effectiveness (C-E) Calculations (Mandated)**

**BEFORE THE PUBLIC UTILITIES COMMISSION  
OF THE STATE OF CALIFORNIA**

**MARCH 2, 2009**

# **Appendix A:**

## **Southern California Gas Company**

### **Portfolio Cost-Effectiveness IOU Preferred Scenario**

Program Summary	Nominal	Present Value
Proposer Name	SoCalGas	
Program Name	SoCalGas Preferred IOU Core	
Total Program Budget (\$)	\$ 289,440,803	\$ 278,568,122
Net Participant Cost (\$)	\$ 179,351,779	\$ 156,078,276

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Program Impacts								
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net Jul-Sept PK (kW)	Net Dec-Feb PK (kW)	Net CEC (kW)	User Entered kW
2009-2011	51,672,571	956,267,340	93,775,840	#####	17,535	3,180	11,213	19,472
2012-2015	-	-	-	-	-	-	-	-

Cost Effectiveness (Lifecycle Present Value Dollars)							
	Cost	Benefits			Benefit - Cost		
		Electric	Gas	Incentives	NPV	B/C Ratio	Notes
Program TRC (\$)	\$ 434,646,399	\$60,921,638	\$580,968,619	NA	\$207,243,858	1.48	*1
Program PAC (\$)	\$ 278,568,122	\$60,921,638	\$580,968,619	NA	\$363,322,134	2.30	*1,2
Program RIM (\$)	\$ 489,382,338	\$60,921,638	\$580,968,619	NA	\$152,507,918	1.31	*1

\*1 B/C Ratio is an approximation because any supply cost increases are treated as negative benefits rather than as a cost as in the Standard Practice Manual  
\*2 PAC benefits include environmental costs. This is to be consistent with the TRC benefits, but is not strictly consistent with the Standard Practice Manual.

Levelized Cost and Benefit (All Measures Installed through 2012)						
	Discounted Savings		Cost	Benefits	Benefit - Cost	
	kWh	Therms			NPV	
TRC (\$/kWh)	431,400,505		\$ 0.0706	\$ 0.1412	\$ 0.0706	
PAC (\$/kWh)	431,400,505		\$ 0.0556	\$ 0.1412	\$ 0.0856	
RIM (\$/kWh)	431,400,505		\$ 0.1077	\$ 0.1412	\$ 0.0336	
TRC (\$/therm)		723,125,586	\$ 0.56	\$ 0.80	\$ 0.2445	
PAC (\$/therm)		723,125,586	\$ 0.35	\$ 0.80	\$ 0.4513	
RIM (\$/therm)		723,125,586	\$ 0.61	\$ 0.80	\$ 0.1909	

Emissions Reductions						
Annual Reductions	Electric Reductions			Gas Reductions		
	CO2 (tons)	NOX (lbs)	PM-10 (lbs)	CO2 (tons)	NOX (lbs)	
2009	6,862	1,988	865	173,979	339,512	* annual reductions are the units implemented in the year, times the annual emission reduction for the measure.
2010	8,093	2,346	1,020	184,280	357,087	
2011	12,162	3,529	1,532	190,329	370,668	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
<b>Total Annual</b>	<b>27,117</b>	<b>7,863</b>	<b>3,416</b>	<b>548,589</b>	<b>1,067,266</b>	
Lifecycle Reductions						
2009	137,250	39,758	17,296	2,846,948	5,772,517	
2010	161,851	46,918	20,392	2,943,643	5,933,802	
2011	243,241	70,586	30,638	3,022,623	6,130,252	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
<b>Total Lifecycle</b>	<b>542,342</b>	<b>157,262</b>	<b>68,326</b>	<b>8,813,214</b>	<b>17,836,571</b>	

Reductions based on total annual installations									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb (kW)	Net CEC (kW)	User Entered kW	Net Annual NCP (kW)
2009	13,781,196	249,895,898	29,740,072	486,657,832	4,506	796	2,990.52	5,151.54	2,253
2010	15,725,702	288,786,007	31,500,894	503,186,782	5,256	946	3,412.48	5,901.73	4,881
2011	22,165,673	417,585,435	32,534,873	516,687,761	7,773	1,439	4,809.95	8,418.33	6,514
2012	-	-	-	-	-	-	-	-	3,886
2013	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>51,672,571</b>	<b>956,267,340</b>	<b>93,775,840</b>	<b>#####</b>	<b>17,535</b>	<b>3,180</b>	<b>11,213</b>	<b>19,472</b>	<b>17,535</b>

Program Summary	Nominal	Present Value
Proposer Name	SoCalGas	
Program Name	SoCalGas Preferred IOU Core	
Total Program Budget (\$)	\$ 289,440,803	\$ 278,568,122
Net Participant Cost (\$)	\$ 179,351,779	\$ 156,078,276

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Base Year

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Net Impacts by Sector (All Measures Installed through 2012)									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
<b>Total</b>	51,672,571	956,267,340	80,456,842	#####	17,535	3,180	11,213	19,472	207,243,858
RES	-	-	-	-	-	-	-	-	-
NON_RES	-	-	-	-	-	-	-	-	-
Residential	24,489,571	412,607,340	13,117,482	160,519,647	14,544	1,324	5,314	16,481	(26,808,270)
Retail	-	-	-	-	-	-	-	-	-

\* Include program-level and admin costs allocated based to total gas and electric programs at the measure level.

Net Impacts by CPUC End Use Categories (All Measures Installed through 2012)									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb Pk (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
<b>Total</b>	43,096,562	861,931,236	12,360,453	158,206,999	17,535	3,180	9,352	17,535	(1,051,666)
Clothes Dryer	-	-	-	-	-	-	-	-	-
Clothes Washer	-	-	1,051,220	11,563,415	-	-	-	-	(47,888,585)
Consumer Electronics	-	-	-	-	-	-	-	-	-
Cooking	-	-	-	-	-	-	-	-	-
Dishwasher	-	-	-	-	-	-	-	-	-
Other Appliance	-	-	-	-	-	-	-	-	-
Office Equipment	-	-	-	-	-	-	-	-	-
Building shell	-	-	4,742,486	23,712,432	-	-	-	-	(8,982,742)
Space Cooling	43,096,562	861,931,236	3,018,022	60,360,430	17,535	3,180	9,352	17,535	39,136,604
Space Heating	-	-	-	-	-	-	-	-	-
Ventilation	-	-	-	-	-	-	-	-	-
Interior Lighting	-	-	-	-	-	-	-	-	-
Exterior Lighting	-	-	-	-	-	-	-	-	-
Daylighting	-	-	-	-	-	-	-	-	-
Motors	-	-	-	-	-	-	-	-	-
Process	-	-	-	-	-	-	-	-	-
Compressed Air	-	-	-	-	-	-	-	-	-
Food Processor	-	-	-	-	-	-	-	-	-
Refrigeration	-	-	-	-	-	-	-	-	-
Freezers	-	-	-	-	-	-	-	-	-
Pumps	-	-	-	-	-	-	-	-	-
Pool Pump	-	-	-	-	-	-	-	-	-
Domestic Hot Water	-	-	3,548,726	62,570,722	-	-	-	-	16,683,058
Water Heating	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-

\* Include program-level and admin costs allocated based to total gas and electric programs at the measure level.

Net Impacts by Climate Zone (All Measures Installed through 2012)									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net dec-Feb Pk (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
<b>Total</b>	51,672,571	956,267,340	93,775,840	#####	17,535	3,180	11,213	11,213	207,243,858
6	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-
System	51,672,571	956,267,340	93,775,840	#####	17,535	3,180	11,213	11,213	207,243,858

\* Include program-level and admin costs allocated based to total gas and electric programs at the measure level.

Program Summary	Nominal	Present Value
Proposer Name	SoCalGas	
Program Name	SoCalGas Preferred IOU Core	
Total Program Budget (\$)	\$ 289,440,803	\$ 278,568,122
Net Participant Cost (\$)	\$ 179,351,779	\$ 156,078,276

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Persistent reductions in the summer (3rd Qtr) or winter (4th Qtr) of each year		
	Net July-Sept Peak (kW)	Net Annual Dec- Feb (kW)
2009	2,253	796
2010	7,134	1,741
2011	13,648	3,180
2012	17,535	3,180
2013	17,535	3,180
2014	17,535	3,180
2015	17,535	3,180
2016	17,535	3,180

Monthly Impacts						
First Year for Impact Table:		2009				
	Quarter	Monthly Five Hour Avg or TOU Peak	Net Monthly NCP (kW)	Monthly Net kWh	Monthly Net Therms	
January-09	1	-	-	-	-	
February-09	1	-	-	-	-	
March-09	1	-	-	-	-	
April-09	2	199	199	114,568	514,542	
May-09	2	199	199	114,568	514,542	
June-09	2	1,126	1,126	453,523	514,542	
July-09	3	2,253	2,253	907,045	1,029,085	
August-09	3	2,253	2,253	907,045	1,029,085	
September-09	3	2,253	2,253	907,045	1,029,085	
October-09	4	597	597	343,703	2,173,882	
November-09	4	597	597	343,703	2,173,882	
December-09	4	597	597	343,703	2,173,882	
January-10	5	796	796	458,271	2,898,509	
February-10	5	796	796	458,271	2,898,509	
March-10	5	796	796	458,271	2,898,509	
April-10	6	1,032	1,032	594,733	2,579,278	
May-10	6	1,032	1,032	594,733	2,579,278	
June-10	6	5,820	5,820	2,345,355	2,579,278	
July-10	7	7,134	7,134	2,876,619	3,100,386	
August-10	7	7,134	7,134	2,876,619	3,100,386	
September-10	7	7,134	7,134	2,876,619	3,100,386	
October-10	8	1,505	1,505	867,658	5,272,797	
November-10	8	1,505	1,505	867,658	5,272,797	
December-10	8	1,505	1,505	867,658	5,272,797	
January-11	9	1,741	1,741	1,004,121	6,064,226	
February-11	9	1,741	1,741	1,004,121	6,064,226	
March-11	9	1,741	1,741	1,004,121	6,064,226	
April-11	10	2,101	2,101	1,212,311	4,679,179	
May-11	10	2,101	2,101	1,212,311	4,679,179	
June-11	10	11,705	11,705	4,729,455	4,679,179	
July-11	11	13,648	13,648	5,519,762	5,215,755	
August-11	11	13,648	13,648	5,519,762	5,215,755	
September-11	11	13,648	13,648	5,519,762	5,215,755	
October-11	12	2,820	2,820	1,628,692	8,521,355	
November-11	12	2,820	2,820	1,628,692	8,521,355	
December-11	12	2,820	2,820	1,628,692	8,521,355	
January-12	13	3,180	3,180	1,836,882	9,340,398	
February-12	13	3,180	3,180	1,836,882	9,340,398	
March-12	13	3,180	3,180	1,836,882	9,340,398	
April-12	14	3,180	3,180	1,836,882	6,283,784	
May-12	14	3,180	3,180	1,836,882	6,283,784	
June-12	14	17,535	17,535	7,100,377	6,283,784	
July-12	15	17,535	17,535	7,100,377	6,278,659	
August-12	15	17,535	17,535	7,100,377	6,278,659	
September-12	15	17,535	17,535	7,100,377	6,278,659	
October-12	16	3,180	3,180	1,836,882	9,325,023	
November-12	16	3,180	3,180	1,836,882	9,325,023	
December-12	16	3,180	3,180	1,836,882	9,325,023	
January-13	17	3,180	3,180	1,836,882	9,319,898	

Program Summary		Nominal	Present Value
Proposer Name	SoCalGas		
Program Name	SoCalGas Preferred IOU Core		
Total Program Budget (\$)	\$ 289,440,803	\$ 278,568,122	
Net Participant Cost (\$)	\$ 179,351,779	\$ 156,078,276	

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February-13	17	3,180	3,180	1,836,882	9,319,898
March-13	17	3,180	3,180	1,836,882	9,319,898
April-13	18	3,180	3,180	1,836,882	6,260,977
May-13	18	3,180	3,180	1,836,882	6,260,977
June-13	18	17,535	17,535	7,100,377	6,260,977
July-13	19	17,535	17,535	7,100,377	6,253,546
August-13	19	17,535	17,535	7,100,377	6,253,546
September-13	19	17,535	17,535	7,100,377	6,253,546
October-13	20	3,180	3,180	1,836,882	9,297,604
November-13	20	3,180	3,180	1,836,882	9,297,604
December-13	20	3,180	3,180	1,836,882	9,297,604
January-14	21	3,180	3,180	1,836,882	9,290,173
February-14	21	3,180	3,180	1,836,882	9,290,173
March-14	21	3,180	3,180	1,836,882	9,290,173
April-14	22	3,180	3,180	1,836,882	6,226,516
May-14	22	3,180	3,180	1,836,882	6,226,516
June-14	22	17,535	17,535	7,100,377	6,226,516
July-14	23	17,535	17,535	7,100,377	6,214,348
August-14	23	17,535	17,535	7,100,377	6,214,348
September-14	23	17,535	17,535	7,100,377	6,214,348
October-14	24	3,180	3,180	1,836,882	9,058,485
November-14	24	3,180	3,180	1,836,882	9,058,485
December-14	24	3,180	3,180	1,836,882	9,058,485
January-15	25	3,180	3,180	1,836,882	8,981,256
February-15	25	3,180	3,180	1,836,882	8,981,256
March-15	25	3,180	3,180	1,836,882	8,981,256
April-15	26	3,180	3,180	1,836,882	6,164,598
May-15	26	3,180	3,180	1,836,882	6,164,598
June-15	26	17,535	17,535	7,100,377	6,164,598
July-15	27	17,535	17,535	7,100,377	6,139,182
August-15	27	17,535	17,535	7,100,377	6,139,182
September-15	27	17,535	17,535	7,100,377	6,139,182
October-15	28	3,180	3,180	1,836,882	8,709,823
November-15	28	3,180	3,180	1,836,882	8,709,823
December-15	28	3,180	3,180	1,836,882	8,709,823

Program Summary	Nominal	Present Value
Proposer Name	SoCalGas	
Program Name	SoCalGas Preferred Partnerships	
Total Program Budget (\$)	\$ 14,952,271	\$ 14,952,271
Net Participant Cost (\$)	\$ -	\$ -

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Program Impacts								
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net Jul-Sept Pk (kW)	Net Dec-Feb Pk (kW)	Net CEC (kW)	User Entered kW
2009-2011	-	-	-	-	-	-	-	-
2012-2015	-	-	-	-	-	-	-	-

Cost Effectiveness (Lifecycle Present Value Dollars)							
	Cost	Benefits			Benefit - Cost		Notes
		Electric	Gas	Incentives	NPV	B/C Ratio	
Program TRC (\$)	\$ 14,952,271	\$0	\$0	NA	(\$14,952,271)	-	*1
Program PAC (\$)	\$ 14,952,271	\$0	\$0	NA	(\$14,952,271)	-	*1,2
Program RIM (\$)	\$ 14,952,271	\$0	\$0	NA	(\$14,952,271)	-	*1

\*1 B/C Ratio is an approximation because any supply cost increases are treated as negative benefits rather than as a cost as in the Standard Practice Manual  
\*2 PAC benefits include environmental costs. This is to be consistent with the TRC benefits, but is not strictly consistent with the Standard Practice Manual.

Levelized Cost and Benefit (All Measures Installed through 2012)						
	Discounted Savings		Cost	Benefits	Benefit - Cost	
	kWh	Therms			NPV	
TRC (\$/kWh)	-	-	#DIV/0!	#DIV/0!	#DIV/0!	
PAC (\$/kWh)	-	-	#DIV/0!	#DIV/0!	#DIV/0!	
RIM (\$/kWh)	-	-	#DIV/0!	#DIV/0!	#DIV/0!	
TRC (\$/therm)	-	-	#DIV/0!	#DIV/0!	#DIV/0!	
PAC (\$/therm)	-	-	#DIV/0!	#DIV/0!	#DIV/0!	
RIM (\$/therm)	-	-	#DIV/0!	#DIV/0!	#DIV/0!	

Emissions Reductions						
Annual Reductions	Electric Reductions			Gas Reductions		
	CO2 (tons)	NOX (lbs)	PM-10 (lbs)	CO2 (tons)	NOX (lbs)	
2009	-	-	-	-	-	* annual reductions are the units implemented in the year, times the annual emission reduction for the measure.
2010	-	-	-	-	-	
2011	-	-	-	-	-	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
Total Annual	-	-	-	-	-	
Lifecycle Reductions						
2009	-	-	-	-	-	
2010	-	-	-	-	-	
2011	-	-	-	-	-	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
Total Lifecycle	-	-	-	-	-	

Reductions based on total annual installations									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb (kW)	Net CEC (kW)	User Entered kW	Net Annual NCP (kW)
2009	-	-	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-	-	-
2011	-	-	-	-	-	-	-	-	-
2012	-	-	-	-	-	-	-	-	-
2013	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-

Program Summary	Nominal	Present Value
Proposer Name	SoCalGas	
Program Name	SoCalGas Preferred Partnerships	
Total Program Budget (\$)	\$ 14,952,271	\$ 14,952,271
Net Participant Cost (\$)	\$ -	\$ -

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Net Impacts by Sector (All Measures Installed through 2012)									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
<b>Total</b>	-	-	-	-	-	-	-	-	-
RES	-	-	-	-	-	-	-	-	-
NON_RES	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-
Retail	-	-	-	-	-	-	-	-	-

\* Include program-level and admin costs allocated based to total gas and electric programs at the measure level.

Net Impacts by CPUC End Use Categories (All Measures Installed through 2012)									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb Pk (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
<b>Total</b>	-	-	-	-	-	-	-	-	-
Clothes Dryer	-	-	-	-	-	-	-	-	-
Clothes Washer	-	-	-	-	-	-	-	-	-
Consumer Electronics	-	-	-	-	-	-	-	-	-
Cooking	-	-	-	-	-	-	-	-	-
Dishwasher	-	-	-	-	-	-	-	-	-
Other Appliance	-	-	-	-	-	-	-	-	-
Office Equipment	-	-	-	-	-	-	-	-	-
Building shell	-	-	-	-	-	-	-	-	-
Space Cooling	-	-	-	-	-	-	-	-	-
Space Heating	-	-	-	-	-	-	-	-	-
Ventilation	-	-	-	-	-	-	-	-	-
Interior Lighting	-	-	-	-	-	-	-	-	-
Exterior Lighting	-	-	-	-	-	-	-	-	-
Daylighting	-	-	-	-	-	-	-	-	-
Motors	-	-	-	-	-	-	-	-	-
Process	-	-	-	-	-	-	-	-	-
Compressed Air	-	-	-	-	-	-	-	-	-
Food Processor	-	-	-	-	-	-	-	-	-
Refrigeration	-	-	-	-	-	-	-	-	-
Freezers	-	-	-	-	-	-	-	-	-
Pumps	-	-	-	-	-	-	-	-	-
Pool Pump	-	-	-	-	-	-	-	-	-
Domestic Hot Water	-	-	-	-	-	-	-	-	-
Water Heating	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-

\* Include program-level and admin costs allocated based to total gas and electric programs at the measure level.

Net Impacts by Climate Zone (All Measures Installed through 2012)									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net dec-Feb Pk (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
<b>Total</b>	-	-	-	-	-	-	-	-	#DIV/0!
6	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-
System	-	-	-	-	-	-	-	-	-

\* Include program-level and admin costs allocated based to total gas and electric programs at the measure level.



Program Summary	Nominal	Present Value
Proposer Name	SoCalGas	
Program Name	SoCalGas Preferred Partnerships	
Total Program Budget (\$)	\$ 14,952,271	\$ 14,952,271
Net Participant Cost (\$)	\$ -	\$ -

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Persistent reductions in the summer (3rd Qtr) or winter (4th Qtr) of each year		
	Net July-Sept Peak (kW)	Net Annual Dec- Feb (kW)
2009	-	-
2010	-	-
2011	-	-
2012	-	-
2013	-	-
2014	-	-
2015	-	-
2016	-	-

Monthly Impacts					
First Year for Impact Table:		2009			
	Quarter	Monthly Five Hour Avg or TOU Peak	Net Monthly NCP (kW)	Monthly Net kWh	Monthly Net Therms
January-09	1	-	-	-	-
February-09	1	-	-	-	-
March-09	1	-	-	-	-
April-09	2	-	-	-	-
May-09	2	-	-	-	-
June-09	2	-	-	-	-
July-09	3	-	-	-	-
August-09	3	-	-	-	-
September-09	3	-	-	-	-
October-09	4	-	-	-	-
November-09	4	-	-	-	-
December-09	4	-	-	-	-
January-10	5	-	-	-	-
February-10	5	-	-	-	-
March-10	5	-	-	-	-
April-10	6	-	-	-	-
May-10	6	-	-	-	-
June-10	6	-	-	-	-
July-10	7	-	-	-	-
August-10	7	-	-	-	-
September-10	7	-	-	-	-
October-10	8	-	-	-	-
November-10	8	-	-	-	-
December-10	8	-	-	-	-
January-11	9	-	-	-	-
February-11	9	-	-	-	-
March-11	9	-	-	-	-
April-11	10	-	-	-	-
May-11	10	-	-	-	-
June-11	10	-	-	-	-
July-11	11	-	-	-	-
August-11	11	-	-	-	-
September-11	11	-	-	-	-
October-11	12	-	-	-	-
November-11	12	-	-	-	-
December-11	12	-	-	-	-
January-12	13	-	-	-	-
February-12	13	-	-	-	-
March-12	13	-	-	-	-
April-12	14	-	-	-	-
May-12	14	-	-	-	-
June-12	14	-	-	-	-
July-12	15	-	-	-	-
August-12	15	-	-	-	-
September-12	15	-	-	-	-
October-12	16	-	-	-	-
November-12	16	-	-	-	-
December-12	16	-	-	-	-
January-13	17	-	-	-	-

Program Summary		Nominal	Present Value
Proposer Name	SoCalGas		
Program Name	SoCalGas Preferred Partnerships		
Total Program Budget (\$)	\$ 14,952,271	\$ 14,952,271	
Net Participant Cost (\$)	\$ -	\$ -	

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February-13	17	-	-	-	-
March-13	17	-	-	-	-
April-13	18	-	-	-	-
May-13	18	-	-	-	-
June-13	18	-	-	-	-
July-13	19	-	-	-	-
August-13	19	-	-	-	-
September-13	19	-	-	-	-
October-13	20	-	-	-	-
November-13	20	-	-	-	-
December-13	20	-	-	-	-
January-14	21	-	-	-	-
February-14	21	-	-	-	-
March-14	21	-	-	-	-
April-14	22	-	-	-	-
May-14	22	-	-	-	-
June-14	22	-	-	-	-
July-14	23	-	-	-	-
August-14	23	-	-	-	-
September-14	23	-	-	-	-
October-14	24	-	-	-	-
November-14	24	-	-	-	-
December-14	24	-	-	-	-
January-15	25	-	-	-	-
February-15	25	-	-	-	-
March-15	25	-	-	-	-
April-15	26	-	-	-	-
May-15	26	-	-	-	-
June-15	26	-	-	-	-
July-15	27	-	-	-	-
August-15	27	-	-	-	-
September-15	27	-	-	-	-
October-15	28	-	-	-	-
November-15	28	-	-	-	-
December-15	28	-	-	-	-

Program Summary	Nominal	Present Value
Proposer Name	SoCalGas	
Program Name	SoCalGas Preferred 3Party	
Total Program Budget (\$)	\$ 52,754,664	\$ 51,611,583
Net Participant Cost (\$)	\$ 2,564,568	\$ 2,236,681

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Program Impacts								
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net Jul-Sept PK (kW)	Net Dec-Feb PK (kW)	Net CEC (kW)	User Entered kW
2009-2011	514,094	9,253,684	2,771,576	30,353,956	-	-	112	756
2012-2015	-	-	-	-	-	-	-	-

Cost Effectiveness (Lifecycle Present Value Dollars)							
	Cost	Benefits			Benefit - Cost		
		Electric	Gas	Incentives	NPV	B/C Ratio	Notes
Program TRC (\$)	\$ 53,848,264	\$0	\$15,673,173	NA	(\$38,175,091)	0.29	*1
Program PAC (\$)	\$ 51,611,583	\$0	\$15,673,173	NA	(\$35,938,409)	0.30	*1,2
Program RIM (\$)	\$ 64,819,896	\$0	\$15,673,173	NA	(\$49,146,723)	0.24	*1

\*1 B/C Ratio is an approximation because any supply cost increases are treated as negative benefits rather than as a cost as in the Standard Practice Manual  
\*2 PAC benefits include environmental costs. This is to be consistent with the TRC benefits, but is not strictly consistent with the Standard Practice Manual.

Levelized Cost and Benefit (All Measures Installed through 2012)						
	Discounted Savings		Cost	Benefits	Benefit - Cost	
	kWh	Therms			NPV	
TRC (\$/kWh)	4,359,082		\$ -	\$ -	\$ -	
PAC (\$/kWh)	4,359,082		\$ -	\$ -	\$ -	
RIM (\$/kWh)	4,359,082		\$ -	\$ -	\$ -	
TRC (\$/therm)		17,938,087	\$ 3.00	\$ 0.87	\$ (2.1282)	
PAC (\$/therm)		17,938,087	\$ 2.88	\$ 0.87	\$ (2.0035)	
RIM (\$/therm)		17,938,087	\$ 3.61	\$ 0.87	\$ (2.7398)	

Emissions Reductions						
Annual Reductions	Electric Reductions			Gas Reductions		
	CO2 (tons)	NOX (lbs)	PM-10 (lbs)	CO2 (tons)	NOX (lbs)	
2009	-	-	-	5,405	7,510	* annual reductions are the units implemented in the year, times the annual emission reduction for the measure.
2010	-	-	-	5,405	7,510	
2011	-	-	-	5,405	7,510	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
<b>Total Annual</b>	-	-	-	16,214	22,531	
Lifecycle Reductions						
2009	-	-	-	59,190	83,636	
2010	-	-	-	59,190	83,636	
2011	-	-	-	59,190	83,636	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
<b>Total Lifecycle</b>	-	-	-	177,571	250,907	

Reductions based on total annual installations									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb (kW)	Net CEC (kW)	User Entered kW	Net Annual NCP (kW)
2009	171,365	3,084,561	923,859	10,117,985	-	-	37.19	252.04	-
2010	171,365	3,084,561	923,859	10,117,985	-	-	37.19	252.04	-
2011	171,365	3,084,561	923,859	10,117,985	-	-	37.19	252.04	-
2012	-	-	-	-	-	-	-	-	-
2013	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-
<b>Total</b>	514,094	9,253,684	2,771,576	30,353,956	-	-	112	756	-

Program Summary	Nominal	Present Value
Proposer Name	SoCalGas	
Program Name	SoCalGas Preferred 3Party	
Total Program Budget (\$)	\$ 52,754,664	\$ 51,611,583
Net Participant Cost (\$)	\$ 2,564,568	\$ 2,236,681

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Net Impacts by Sector (All Measures Installed through 2012)									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
<b>Total</b>	514,094	9,253,684	2,771,576	30,353,956	-	-	112	756	(38,175,091)
RES	-	-	-	-	-	-	-	-	-
NON_RES	-	-	-	-	-	-	-	-	-
Residential	514,094	9,253,684	1,157,201	14,210,206	-	-	112	756	(17,536,982)
Retail	-	-	-	-	-	-	-	-	-

\* Include program-level and admin costs allocated based to total gas and electric programs at the measure level.

Net Impacts by CPUC End Use Categories (All Measures Installed through 2012)									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb Pk (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
<b>Total</b>	-	-	-	-	-	-	-	-	-
Clothes Dryer	-	-	-	-	-	-	-	-	-
Clothes Washer	-	-	-	-	-	-	-	-	-
Consumer Electronics	-	-	-	-	-	-	-	-	-
Cooking	-	-	-	-	-	-	-	-	-
Dishwasher	-	-	-	-	-	-	-	-	-
Other Appliance	-	-	-	-	-	-	-	-	-
Office Equipment	-	-	-	-	-	-	-	-	-
Building shell	-	-	-	-	-	-	-	-	-
Space Cooling	-	-	-	-	-	-	-	-	-
Space Heating	-	-	-	-	-	-	-	-	-
Ventilation	-	-	-	-	-	-	-	-	-
Interior Lighting	-	-	-	-	-	-	-	-	-
Exterior Lighting	-	-	-	-	-	-	-	-	-
Daylighting	-	-	-	-	-	-	-	-	-
Motors	-	-	-	-	-	-	-	-	-
Process	-	-	-	-	-	-	-	-	-
Compressed Air	-	-	-	-	-	-	-	-	-
Food Processor	-	-	-	-	-	-	-	-	-
Refrigeration	-	-	-	-	-	-	-	-	-
Freezers	-	-	-	-	-	-	-	-	-
Pumps	-	-	-	-	-	-	-	-	-
Pool Pump	-	-	-	-	-	-	-	-	-
Domestic Hot Water	-	-	-	-	-	-	-	-	-
Water Heating	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-

\* Include program-level and admin costs allocated based to total gas and electric programs at the measure level.

Net Impacts by Climate Zone (All Measures Installed through 2012)									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net dec-Feb Pk (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
<b>Total</b>	514,094	9,253,684	2,771,576	30,353,956	-	-	112	112	(38,175,091)
6	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-
System	514,094	9,253,684	2,771,576	30,353,956	-	-	112	112	(38,175,091)

\* Include program-level and admin costs allocated based to total gas and electric programs at the measure level.

Program Summary	Nominal	Present Value
Proposer Name	SoCalGas	
Program Name	SoCalGas Preferred 3Party	
Total Program Budget (\$)	\$ 52,754,664	\$ 51,611,583
Net Participant Cost (\$)	\$ 2,564,568	\$ 2,236,681

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Persistent reductions in the summer (3rd Qtr) or winter (4th Qtr) of each year		
	Net July-Sept Peak (kW)	Net Annual Dec- Feb (kW)
2009	-	-
2010	-	-
2011	-	-
2012	-	-
2013	-	-
2014	-	-
2015	-	-
2016	-	-

Monthly Impacts					
First Year for Impact Table:		2009			
	Quarter	Monthly Five Hour Avg or TOU Peak	Net Monthly NCP (kW)	Monthly Net kWh	Monthly Net Therms
January-09	1	-	-	-	-
February-09	1	-	-	-	-
March-09	1	-	-	-	-
April-09	2	-	-	-	18,879
May-09	2	-	-	-	18,879
June-09	2	-	-	-	18,879
July-09	3	-	-	-	37,758
August-09	3	-	-	-	37,758
September-09	3	-	-	-	37,758
October-09	4	-	-	-	58,846
November-09	4	-	-	-	58,846
December-09	4	-	-	-	58,846
January-10	5	-	-	-	78,461
February-10	5	-	-	-	78,461
March-10	5	-	-	-	78,461
April-10	6	-	-	-	94,394
May-10	6	-	-	-	94,394
June-10	6	-	-	-	94,394
July-10	7	-	-	-	113,273
August-10	7	-	-	-	113,273
September-10	7	-	-	-	113,273
October-10	8	-	-	-	137,307
November-10	8	-	-	-	137,307
December-10	8	-	-	-	137,307
January-11	9	-	-	-	156,922
February-11	9	-	-	-	156,922
March-11	9	-	-	-	156,922
April-11	10	-	-	-	169,910
May-11	10	-	-	-	169,910
June-11	10	-	-	-	169,910
July-11	11	-	-	-	188,788
August-11	11	-	-	-	188,788
September-11	11	-	-	-	188,788
October-11	12	-	-	-	215,768
November-11	12	-	-	-	215,768
December-11	12	-	-	-	215,768
January-12	13	-	-	-	235,383
February-12	13	-	-	-	235,383
March-12	13	-	-	-	235,383
April-12	14	-	-	-	226,546
May-12	14	-	-	-	226,546
June-12	14	-	-	-	226,546
July-12	15	-	-	-	226,546
August-12	15	-	-	-	226,546
September-12	15	-	-	-	226,546
October-12	16	-	-	-	235,383
November-12	16	-	-	-	235,383
December-12	16	-	-	-	235,383
January-13	17	-	-	-	235,383

Program Summary		Nominal	Present Value
Proposer Name	SoCalGas		
Program Name	SoCalGas Preferred 3Party		
Total Program Budget (\$)	\$ 52,754,664	\$	51,611,583
Net Participant Cost (\$)	\$ 2,564,568	\$	2,236,681

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February-13	17	-	-	-	235,383
March-13	17	-	-	-	235,383
April-13	18	-	-	-	226,546
May-13	18	-	-	-	226,546
June-13	18	-	-	-	226,546
July-13	19	-	-	-	226,546
August-13	19	-	-	-	226,546
September-13	19	-	-	-	226,546
October-13	20	-	-	-	235,383
November-13	20	-	-	-	235,383
December-13	20	-	-	-	235,383
January-14	21	-	-	-	235,383
February-14	21	-	-	-	235,383
March-14	21	-	-	-	235,383
April-14	22	-	-	-	226,546
May-14	22	-	-	-	226,546
June-14	22	-	-	-	226,546
July-14	23	-	-	-	226,546
August-14	23	-	-	-	226,546
September-14	23	-	-	-	226,546
October-14	24	-	-	-	235,383
November-14	24	-	-	-	235,383
December-14	24	-	-	-	235,383
January-15	25	-	-	-	235,383
February-15	25	-	-	-	235,383
March-15	25	-	-	-	235,383
April-15	26	-	-	-	226,546
May-15	26	-	-	-	226,546
June-15	26	-	-	-	226,546
July-15	27	-	-	-	226,546
August-15	27	-	-	-	226,546
September-15	27	-	-	-	226,546
October-15	28	-	-	-	235,383
November-15	28	-	-	-	235,383
December-15	28	-	-	-	235,383

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Program Summary	Nominal	Present Value
Proposer Name	0	
Program Name	0	
Total Program Budget (\$)	\$ 273,264,897	\$ 261,249,135
Net Participant Cost (\$)	\$ 181,916,347	\$ 158,314,958

Program Impacts	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net Jul-Sept Pk (kW)	Net Dec-Feb Pk (kW)	Net CEC (kW)	User Entered kW
2009-2011	52,186,665	965,521,024	96,547,416	#####	17,535	3,180	11,325	20,228
2012-2015	-	-	-	-	-	-	-	-

Cost Effectiveness (Lifecycle Present Value Dollars)	Cost	Benefits			Benefit - Cost NPV	B/C Ratio	Notes
		Electric	Gas	Incentives			
Program TRC (\$)	\$ 419,564,093	\$60,921,638	\$596,641,792	NA	\$237,999,337	1.57	*1
Program PAC (\$)	\$ 261,249,135	\$60,921,638	\$596,641,792	NA	\$396,314,294	2.52	*1,2
Program RIM (\$)	\$ 485,271,664	\$60,921,638	\$596,641,792	NA	\$172,291,765	1.36	*1

\*1 B/C Ratio is an approximation because any supply cost increases are treated as negative benefits rather than as a cost as in the Standard Practice Manual

\*2 PAC benefits include environmental costs. This is to be consistent with the TRC benefits, but is not strictly consistent with the Standard Practice Manual.

Levelized Cost and Benefit (All Measures Installed through 2012)	Discounted Savings		Cost	Benefits	Benefit - Cost NPV
	kWh	Therms			
TRC (\$/kWh)	435,759,587		\$ 0.0635	\$ 0.1398	\$ 0.0763
PAC (\$/kWh)	435,759,587		\$ 0.0486	\$ 0.1398	\$ 0.0912
RIM (\$/kWh)	435,759,587		\$ 0.1032	\$ 0.1398	\$ 0.0366
TRC (\$/therm)		741,063,673	\$ 0.53	\$ 0.81	\$ 0.2763
PAC (\$/therm)		741,063,673	\$ 0.32	\$ 0.81	\$ 0.4812
RIM (\$/therm)		741,063,673	\$ 0.59	\$ 0.81	\$ 0.2110

Emissions Reductions	Electric Reductions			Gas Reductions		
	CO2 (tons)	NOX (lbs)	PM-10 (lbs)	CO2 (tons)	NOX (lbs)	
Annual Reductions						* annual reductions are the units implemented in the year, times the annual emission reduction for the measure.
2009	6,862	1,988	865	179,384	347,022	
2010	8,093	2,346	1,020	189,685	364,597	
2011	12,162	3,529	1,532	195,734	378,178	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
Total Annual	27,117	7,863	3,416	564,802	1,089,797	
Lifecycle Reductions						
2009	137,250	39,758	17,296	2,906,139	5,856,153	
2010	161,851	46,918	20,392	3,002,833	6,017,438	
2011	243,241	70,586	30,638	3,081,814	6,213,887	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
Total Lifecycle	542,342	157,262	68,326	8,990,785	18,087,478	

Reductions based on total annual installations									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb (kW)	Net CEC (kW)	User Entered kW	Net Annual NCP (kW)
2009	13,952,561	252,980,459	30,663,931	496,775,817	4,506	796	3,027.71	5,403.58	2,253
2010	15,897,066	291,870,569	32,424,753	513,304,767	5,256	946	3,449.66	6,153.77	4,881
2011	22,337,038	420,669,996	33,458,732	526,805,747	7,773	1,439	4,847.14	8,670.37	6,514
2012	-	-	-	-	-	-	-	-	3,886
2013	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-
Total	52,186,665	965,521,024	96,547,416	#####	17,535	3,180	11,325	20,228	17,535

Program Summary	Nominal	Present Value
Proposer Name	0	
Program Name	0	
Total Program Budget (\$)	\$ 273,264,897	\$ 261,249,135
Net Participant Cost (\$)	\$ 181,916,347	\$ 158,314,958

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**Net Impacts by Sector (All Measures Installed through 2012)**

	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
<b>Total</b>	52,186,665	965,521,024	83,228,418	#####	17,535	3,180	11,325	20,228	237,999,337
RES	-	-	-	-	-	-	-	-	-
NON_RES	-	-	-	-	-	-	-	-	-
Residential	25,003,665	421,861,024	14,274,683	174,729,853	14,544	1,324	5,426	17,238	(21,338,085)
Retail	-	-	-	-	-	-	-	-	-

\* Include program-level and admin costs allocated based to total gas and electric programs at the measure level.

**Net Impacts by CPUC End Use Categories (All Measures Installed through 2012)**

	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb Pk (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
<b>Total</b>	43,096,562	861,931,236	12,360,453	158,206,999	17,535	3,180	9,352	17,535	5,155,794
Clothes Dryer	-	-	-	-	-	-	-	-	-
Clothes Washer	-	-	1,051,220	11,563,415	-	-	-	-	(47,611,778)
Consumer Electronics	-	-	-	-	-	-	-	-	-
Cooking	-	-	-	-	-	-	-	-	-
Dishwasher	-	-	-	-	-	-	-	-	-
Other Appliance	-	-	-	-	-	-	-	-	-
Office Equipment	-	-	-	-	-	-	-	-	-
Building shell	-	-	4,742,486	23,712,432	-	-	-	-	(8,211,170)
Space Cooling	43,096,562	861,931,236	3,018,022	60,360,430	17,535	3,180	9,352	17,535	43,080,565
Space Heating	-	-	-	-	-	-	-	-	-
Ventilation	-	-	-	-	-	-	-	-	-
Interior Lighting	-	-	-	-	-	-	-	-	-
Exterior Lighting	-	-	-	-	-	-	-	-	-
Daylighting	-	-	-	-	-	-	-	-	-
Motors	-	-	-	-	-	-	-	-	-
Process	-	-	-	-	-	-	-	-	-
Compressed Air	-	-	-	-	-	-	-	-	-
Food Processor	-	-	-	-	-	-	-	-	-
Refrigeration	-	-	-	-	-	-	-	-	-
Freezers	-	-	-	-	-	-	-	-	-
Pumps	-	-	-	-	-	-	-	-	-
Pool Pump	-	-	-	-	-	-	-	-	-
Domestic Hot Water	-	-	3,548,726	62,570,722	-	-	-	-	17,898,178
Water Heating	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-

\* Include program-level and admin costs allocated based to total gas and electric programs at the measure level.

**Net Impacts by Climate Zone (All Measures Installed through 2012)**

	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net dec-Feb Pk (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
<b>Total</b>	52,186,665	965,521,024	96,547,416	#####	17,535	3,180	11,325	11,325	237,999,337
6	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-
System	52,186,665	965,521,024	96,547,416	#####	17,535	3,180	11,325	11,325	237,999,337

\* Include program-level and admin costs allocated based to total gas and electric programs at the measure level.

**Persistent reductions in the summer (3rd Qtr) or winter (4th Qtr) of each year**

	Net July-Sept Peak (kW)	Net Annual Dec-Feb (kW)
2009	2,253	796
2010	7,134	1,741
2011	13,648	3,180
2012	17,535	3,180
2013	17,535	3,180
2014	17,535	3,180
2015	17,535	3,180
2016	17,535	3,180



Program Summary	Nominal	Present Value
Proposer Name	0	
Program Name	0	
Total Program Budget (\$)	\$ 273,264,897	\$ 261,249,135
Net Participant Cost (\$)	\$ 181,916,347	\$ 158,314,958

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Monthly Impacts					
First Year for Impact Table:		2009			
	Quarter	Monthly Five Hour Avg or TOU Peak	Net Monthly NCP (kW)	Monthly Net kWh	Monthly Net Therms
January-09	1	-	-	-	-
February-09	1	-	-	-	-
March-09	1	-	-	-	-
April-09	2	199	199	114,568	533,421
May-09	2	199	199	114,568	533,421
June-09	2	1,126	1,126	453,523	533,421
July-09	3	2,253	2,253	907,045	1,066,842
August-09	3	2,253	2,253	907,045	1,066,842
September-09	3	2,253	2,253	907,045	1,066,842
October-09	4	597	597	343,703	2,232,728
November-09	4	597	597	343,703	2,232,728
December-09	4	597	597	343,703	2,232,728
January-10	5	796	796	458,271	2,976,970
February-10	5	796	796	458,271	2,976,970
March-10	5	796	796	458,271	2,976,970
April-10	6	1,032	1,032	594,733	2,673,672
May-10	6	1,032	1,032	594,733	2,673,672
June-10	6	5,820	5,820	2,345,355	2,673,672
July-10	7	7,134	7,134	2,876,619	3,213,659
August-10	7	7,134	7,134	2,876,619	3,213,659
September-10	7	7,134	7,134	2,876,619	3,213,659
October-10	8	1,505	1,505	867,658	5,410,104
November-10	8	1,505	1,505	867,658	5,410,104
December-10	8	1,505	1,505	867,658	5,410,104
January-11	9	1,741	1,741	1,004,121	6,221,148
February-11	9	1,741	1,741	1,004,121	6,221,148
March-11	9	1,741	1,741	1,004,121	6,221,148
April-11	10	2,101	2,101	1,212,311	4,849,088
May-11	10	2,101	2,101	1,212,311	4,849,088
June-11	10	11,705	11,705	4,729,455	4,849,088
July-11	11	13,648	13,648	5,519,762	5,404,544
August-11	11	13,648	13,648	5,519,762	5,404,544
September-11	11	13,648	13,648	5,519,762	5,404,544
October-11	12	2,820	2,820	1,628,692	8,737,123
November-11	12	2,820	2,820	1,628,692	8,737,123
December-11	12	2,820	2,820	1,628,692	8,737,123
January-12	13	3,180	3,180	1,836,882	9,575,782
February-12	13	3,180	3,180	1,836,882	9,575,782
March-12	13	3,180	3,180	1,836,882	9,575,782
April-12	14	3,180	3,180	1,836,882	6,510,330
May-12	14	3,180	3,180	1,836,882	6,510,330
June-12	14	17,535	17,535	7,100,377	6,510,330
July-12	15	17,535	17,535	7,100,377	6,505,205
August-12	15	17,535	17,535	7,100,377	6,505,205
September-12	15	17,535	17,535	7,100,377	6,505,205
October-12	16	3,180	3,180	1,836,882	9,560,407
November-12	16	3,180	3,180	1,836,882	9,560,407
December-12	16	3,180	3,180	1,836,882	9,560,407
January-13	17	3,180	3,180	1,836,882	9,555,282
February-13	17	3,180	3,180	1,836,882	9,555,282
March-13	17	3,180	3,180	1,836,882	9,555,282
April-13	18	3,180	3,180	1,836,882	6,487,523
May-13	18	3,180	3,180	1,836,882	6,487,523
June-13	18	17,535	17,535	7,100,377	6,487,523
July-13	19	17,535	17,535	7,100,377	6,480,092
August-13	19	17,535	17,535	7,100,377	6,480,092
September-13	19	17,535	17,535	7,100,377	6,480,092
October-13	20	3,180	3,180	1,836,882	9,532,988
November-13	20	3,180	3,180	1,836,882	9,532,988
December-13	20	3,180	3,180	1,836,882	9,532,988
January-14	21	3,180	3,180	1,836,882	9,525,557
February-14	21	3,180	3,180	1,836,882	9,525,557
March-14	21	3,180	3,180	1,836,882	9,525,557
April-14	22	3,180	3,180	1,836,882	6,453,062
May-14	22	3,180	3,180	1,836,882	6,453,062
June-14	22	17,535	17,535	7,100,377	6,453,062
July-14	23	17,535	17,535	7,100,377	6,440,895
August-14	23	17,535	17,535	7,100,377	6,440,895
September-14	23	17,535	17,535	7,100,377	6,440,895
October-14	24	3,180	3,180	1,836,882	9,293,868
November-14	24	3,180	3,180	1,836,882	9,293,868

Program Summary	Nominal	Present Value
Proposer Name	0	
Program Name	0	
Total Program Budget (\$)	\$ 273,264,897	\$ 261,249,135
Net Participant Cost (\$)	\$ 181,916,347	\$ 158,314,958

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December-14	24	3,180	3,180	1,836,882	9,293,868
January-15	25	3,180	3,180	1,836,882	9,216,639
February-15	25	3,180	3,180	1,836,882	9,216,639
March-15	25	3,180	3,180	1,836,882	9,216,639
April-15	26	3,180	3,180	1,836,882	6,391,144
May-15	26	3,180	3,180	1,836,882	6,391,144
June-15	26	17,535	17,535	7,100,377	6,391,144
July-15	27	17,535	17,535	7,100,377	6,365,728
August-15	27	17,535	17,535	7,100,377	6,365,728
September-15	27	17,535	17,535	7,100,377	6,365,728
October-15	28	3,180	3,180	1,836,882	8,945,206
November-15	28	3,180	3,180	1,836,882	8,945,206
December-15	28	3,180	3,180	1,836,882	8,945,206

# **Appendix A.1:**

## **Southern California Gas Company**

### **Portfolio Cost-Effectiveness Mandated Scenario**

Program Summary	Nominal	Present Value
Proposer Name	SoCalGas	
Program Name	SoCalGas Compliance IOU Core	
Total Program Budget (\$)	\$ 468,847,447	\$ 426,463,443
Net Participant Cost (\$)	\$ 5,838,282	\$ 5,052,424

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Program Impacts	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net Jul-Sept Peak (kW)	Net Dec-Feb Peak (kW)	Net CEC (kW)	User Entered kW
2009-2011	52,689,802	974,107,138	87,250,869	#####	13,674	3,122	11,434	15,674
2012-2015	-	-	-	-	-	-	-	-

Cost Effectiveness (Lifecycle Present Value Dollars)	Cost	Benefits			Benefit - Cost NPV	B/C Ratio	Notes
		Electric	Gas	Incentives			
Program TRC (\$)	\$ 431,515,867	\$60,402,594	\$534,910,377	NA	\$163,797,104	1.38	*1
Program PAC (\$)	\$ 426,463,443	\$60,402,594	\$534,910,377	NA	\$168,849,528	1.40	*1,2
Program RIM (\$)	\$ 627,615,264	\$60,402,594	\$534,910,377	NA	(\$32,302,293)	0.95	*1

\*1 B/C Ratio is an approximation because any supply cost increases are treated as negative benefits rather than as a cost as in the Standard Practice Manual

\*2 PAC benefits include environmental costs. This is to be consistent with the TRC benefits, but is not strictly consistent with the Standard Practice Manual.

Levelized Cost and Benefit (All Measures Installed through 2012)	Discounted Savings		Cost	Benefits	Benefit - Cost NPV
	kWh	Therms			
TRC (\$/kWh)	439,561,762		\$ 0.0663	\$ 0.1374	\$ 0.0711
PAC (\$/kWh)	439,561,762		\$ 0.0663	\$ 0.1374	\$ 0.0711
RIM (\$/kWh)	439,561,762		\$ 0.1449	\$ 0.1374	\$ (0.0075)
TRC (\$/therm)		673,413,585	\$ 0.60	\$ 0.79	\$ 0.1968
PAC (\$/therm)		673,413,585	\$ 0.59	\$ 0.79	\$ 0.2043
RIM (\$/therm)		673,413,585	\$ 0.84	\$ 0.79	\$ (0.0431)

Emissions Reductions	Electric Reductions			Gas Reductions		
	CO2 (tons)	NOX (lbs)	PM-10 (lbs)	CO2 (tons)	NOX (lbs)	
Annual Reductions						* annual reductions are the units implemented in the year, times the annual emission reduction for the measure.
2009	6,989	2,033	880	160,324	310,744	
2010	8,271	2,408	1,041	169,783	327,049	
2011	12,493	3,640	1,572	180,311	348,356	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
Total Annual	27,753	8,081	3,492	510,418	986,149	
Lifecycle Reductions						
2009	139,780	40,659	17,594	2,618,232	5,285,010	
2010	165,419	48,151	20,817	2,710,765	5,442,860	
2011	249,860	72,809	31,433	2,884,788	5,803,451	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
Total Lifecycle	555,059	161,619	69,844	8,213,784	16,531,321	

Reductions based on total annual installations									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb Peak (kW)	Net CEC (kW)	User Entered kW	Net Annual NCP (kW)
2009	14,007,182	253,580,815	27,405,846	447,560,946	3,540	779	3,039.56	4,206.73	1,770
2010	16,021,214	293,861,464	29,022,664	463,378,567	4,109	928	3,476.60	4,775.93	3,825
2011	22,661,406	426,664,858	30,822,360	493,126,187	6,025	1,415	4,917.53	6,691.13	5,067
2012	-	-	-	-	-	-	-	-	3,012
2013	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-
Total	52,689,802	974,107,138	87,250,869	#####	13,674	3,122	11,434	15,674	13,674

Program Summary	Nominal	Present Value
Proposer Name	SoCalGas	
Program Name	SoCalGas Compliance IOU Core	
Total Program Budget (\$)	\$ 468,847,447	\$ 426,463,443
Net Participant Cost (\$)	\$ 5,838,282	\$ 5,052,424

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Net Impacts by Sector (All Measures Installed through 2012)									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
<b>Total</b>	52,689,802	974,107,138	74,275,547	#####	13,674	3,122	11,434	15,674	163,797,104
RES	-	-	-	-	-	-	-	-	-
NON_RES	-	-	-	-	-	-	-	-	-
Residential	20,466,809	329,647,270	12,198,729	147,075,444	10,129	922	4,441	12,129	(51,336,518)
Retail	-	-	-	-	-	-	-	-	-

\* Include program-level and admin costs allocated based to total gas and electric programs at the measure level.

Net Impacts by CPUC End Use Categories (All Measures Installed through 2012)									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb Pk (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
<b>Total</b>	43,835,480	876,709,591	10,888,366	142,143,868	13,674	3,122	9,512	13,674	(18,265,881)
Clothes Dryer	-	-	-	-	-	-	-	-	-
Clothes Washer	-	-	517,049	5,687,535	-	-	-	-	(59,173,238)
Consumer Electronics	-	-	-	-	-	-	-	-	-
Cooking	-	-	-	-	-	-	-	-	-
Dishwasher	-	-	-	-	-	-	-	-	-
Other Appliance	-	-	-	-	-	-	-	-	-
Office Equipment	-	-	-	-	-	-	-	-	-
Building shell	-	-	4,231,455	21,157,273	-	-	-	-	(14,574,713)
Space Cooling	43,835,480	876,709,591	2,963,052	59,261,043	13,674	3,122	9,512	13,674	39,066,982
Space Heating	-	-	-	-	-	-	-	-	-
Ventilation	-	-	-	-	-	-	-	-	-
Interior Lighting	-	-	-	-	-	-	-	-	-
Exterior Lighting	-	-	-	-	-	-	-	-	-
Daylighting	-	-	-	-	-	-	-	-	-
Motors	-	-	-	-	-	-	-	-	-
Process	-	-	-	-	-	-	-	-	-
Compressed Air	-	-	-	-	-	-	-	-	-
Food Processor	-	-	-	-	-	-	-	-	-
Refrigeration	-	-	-	-	-	-	-	-	-
Freezers	-	-	-	-	-	-	-	-	-
Pumps	-	-	-	-	-	-	-	-	-
Pool Pump	-	-	-	-	-	-	-	-	-
Domestic Hot Water	-	-	3,176,811	56,038,018	-	-	-	-	16,415,089
Water Heating	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-

\* Include program-level and admin costs allocated based to total gas and electric programs at the measure level.

Net Impacts by Climate Zone (All Measures Installed through 2012)									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net dec-Feb Pk (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
<b>Total</b>	52,689,802	974,107,138	87,250,869	#####	13,674	3,122	11,434	11,434	163,797,104
6	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-
System	52,689,802	974,107,138	87,250,869	#####	13,674	3,122	11,434	11,434	163,797,104

\* Include program-level and admin costs allocated based to total gas and electric programs at the measure level.

Program Summary	Nominal	Present Value
Proposer Name	SoCalGas	
Program Name	SoCalGas Compliance IOU Core	
Total Program Budget (\$)	\$ 468,847,447	\$ 426,463,443
Net Participant Cost (\$)	\$ 5,838,282	\$ 5,052,424

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Persistent reductions in the summer (3rd Qtr) or winter (4th Qtr) of each year		
	Net July-Sept Peak (kW)	Net Annual Dec- Feb (kW)
2009	1,770	779
2010	5,595	1,707
2011	10,662	3,122
2012	13,674	3,122
2013	13,674	3,122
2014	13,674	3,122
2015	13,674	3,122
2016	13,674	3,122

Monthly Impacts						
First Year for Impact Table:		2009				
	Quarter	Monthly Five Hour Avg or TOU Peak	Net Monthly NCP (kW)	Monthly Net kWh	Monthly Net Therms	
January-09	1	-	-	-	-	-
February-09	1	-	-	-	-	-
March-09	1	-	-	-	-	-
April-09	2	195	195	123,630	467,157	
May-09	2	195	195	123,630	467,157	
June-09	2	885	885	443,724	467,157	
July-09	3	1,770	1,770	887,448	934,315	
August-09	3	1,770	1,770	887,448	934,315	
September-09	3	1,770	1,770	887,448	934,315	
October-09	4	584	584	370,891	2,024,259	
November-09	4	584	584	370,891	2,024,259	
December-09	4	584	584	370,891	2,024,259	
January-10	5	779	779	494,521	2,699,012	
February-10	5	779	779	494,521	2,699,012	
March-10	5	779	779	494,521	2,699,012	
April-10	6	1,011	1,011	642,233	2,342,514	
May-10	6	1,011	1,011	642,233	2,342,514	
June-10	6	4,567	4,567	2,296,335	2,342,514	
July-10	7	5,595	5,595	2,817,774	2,816,398	
August-10	7	5,595	5,595	2,817,774	2,816,398	
September-10	7	5,595	5,595	2,817,774	2,816,398	
October-10	8	1,475	1,475	937,656	4,905,191	
November-10	8	1,475	1,475	937,656	4,905,191	
December-10	8	1,475	1,475	937,656	4,905,191	
January-11	9	1,707	1,707	1,085,368	5,640,585	
February-11	9	1,707	1,707	1,085,368	5,640,585	
March-11	9	1,707	1,707	1,085,368	5,640,585	
April-11	10	2,061	2,061	1,311,708	4,270,515	
May-11	10	2,061	2,061	1,311,708	4,270,515	
June-11	10	9,156	9,156	4,639,841	4,270,515	
July-11	11	10,662	10,662	5,419,032	4,776,863	
August-11	11	10,662	10,662	5,419,032	4,776,863	
September-11	11	10,662	10,662	5,419,032	4,776,863	
October-11	12	2,769	2,769	1,764,388	7,974,335	
November-11	12	2,769	2,769	1,764,388	7,974,335	
December-11	12	2,769	2,769	1,764,388	7,974,335	
January-12	13	3,122	3,122	1,990,729	8,752,252	
February-12	13	3,122	3,122	1,990,729	8,752,252	
March-12	13	3,122	3,122	1,990,729	8,752,252	
April-12	14	3,122	3,122	1,990,729	5,785,052	
May-12	14	3,122	3,122	1,990,729	5,785,052	
June-12	14	13,674	13,674	6,977,413	5,785,052	
July-12	15	13,674	13,674	6,977,413	5,780,545	
August-12	15	13,674	13,674	6,977,413	5,780,545	
September-12	15	13,674	13,674	6,977,413	5,780,545	
October-12	16	3,122	3,122	1,990,729	8,738,730	
November-12	16	3,122	3,122	1,990,729	8,738,730	
December-12	16	3,122	3,122	1,990,729	8,738,730	
January-13	17	3,122	3,122	1,990,729	8,734,222	

Program Summary		Nominal	Present Value
Proposer Name	SoCalGas		
Program Name	SoCalGas Compliance IOU Core		
Total Program Budget (\$)	\$ 468,847,447	\$ 426,463,443	
Net Participant Cost (\$)	\$ 5,838,282	\$ 5,052,424	

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February-13	17	3,122	3,122	1,990,729	8,734,222
March-13	17	3,122	3,122	1,990,729	8,734,222
April-13	18	3,122	3,122	1,990,729	5,764,994
May-13	18	3,122	3,122	1,990,729	5,764,994
June-13	18	13,674	13,674	6,977,413	5,764,994
July-13	19	13,674	13,674	6,977,413	5,758,458
August-13	19	13,674	13,674	6,977,413	5,758,458
September-13	19	13,674	13,674	6,977,413	5,758,458
October-13	20	3,122	3,122	1,990,729	8,714,615
November-13	20	3,122	3,122	1,990,729	8,714,615
December-13	20	3,122	3,122	1,990,729	8,714,615
January-14	21	3,122	3,122	1,990,729	8,708,079
February-14	21	3,122	3,122	1,990,729	8,708,079
March-14	21	3,122	3,122	1,990,729	8,708,079
April-14	22	3,122	3,122	1,990,729	5,734,636
May-14	22	3,122	3,122	1,990,729	5,734,636
June-14	22	13,674	13,674	6,977,413	5,734,636
July-14	23	13,674	13,674	6,977,413	5,723,885
August-14	23	13,674	13,674	6,977,413	5,723,885
September-14	23	13,674	13,674	6,977,413	5,723,885
October-14	24	3,122	3,122	1,990,729	8,501,673
November-14	24	3,122	3,122	1,990,729	8,501,673
December-14	24	3,122	3,122	1,990,729	8,501,673
January-15	25	3,122	3,122	1,990,729	8,432,871
February-15	25	3,122	3,122	1,990,729	8,432,871
March-15	25	3,122	3,122	1,990,729	8,432,871
April-15	26	3,122	3,122	1,990,729	5,679,981
May-15	26	3,122	3,122	1,990,729	5,679,981
June-15	26	13,674	13,674	6,977,413	5,679,981
July-15	27	13,674	13,674	6,977,413	5,657,578
August-15	27	13,674	13,674	6,977,413	5,657,578
September-15	27	13,674	13,674	6,977,413	5,657,578
October-15	28	3,122	3,122	1,990,729	8,191,511
November-15	28	3,122	3,122	1,990,729	8,191,511
December-15	28	3,122	3,122	1,990,729	8,191,511

Program Summary	Nominal	Present Value
Proposer Name	SoCalGas	
Program Name	SoCalGas Compliance Partnerships	
Total Program Budget (\$)	\$ 14,952,271	\$ 14,952,271
Net Participant Cost (\$)	\$ -	\$ -

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Program Impacts	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net Jul-Sept PK (kW)	Net Dec-Feb PK (kW)	Net CEC (kW)	User Entered kW
2009-2011	-	-	-	-	-	-	-	-
2012-2015	-	-	-	-	-	-	-	-

Cost Effectiveness (Lifecycle Present Value Dollars)	Cost	Benefits			Benefit - Cost		
		Electric	Gas	Incentives	NPV	B/C Ratio	Notes
Program TRC (\$)	\$ 14,952,271	\$0	\$0	NA	(\$14,952,271)	-	*1
Program PAC (\$)	\$ 14,952,271	\$0	\$0	NA	(\$14,952,271)	-	*1,2
Program RIM (\$)	\$ 14,952,271	\$0	\$0	NA	(\$14,952,271)	-	*1

\*1 B/C Ratio is an approximation because any supply cost increases are treated as negative benefits rather than as a cost as in the Standard Practice Manual  
\*2 PAC benefits include environmental costs. This is to be consistent with the TRC benefits, but is not strictly consistent with the Standard Practice Manual.

Levelized Cost and Benefit (All Measures Installed through 2012)	Discounted Savings		Cost	Benefits	Benefit - Cost NPV
	kWh	Therms			
TRC (\$/kWh)	-	-	#DIV/0!	#DIV/0!	#DIV/0!
PAC (\$/kWh)	-	-	#DIV/0!	#DIV/0!	#DIV/0!
RIM (\$/kWh)	-	-	#DIV/0!	#DIV/0!	#DIV/0!
TRC (\$/therm)	-	-	#DIV/0!	#DIV/0!	#DIV/0!
PAC (\$/therm)	-	-	#DIV/0!	#DIV/0!	#DIV/0!
RIM (\$/therm)	-	-	#DIV/0!	#DIV/0!	#DIV/0!

Emissions Reductions	Electric Reductions			Gas Reductions		
	CO2 (tons)	NOX (lbs)	PM-10 (lbs)	CO2 (tons)	NOX (lbs)	
Annual Reductions						* annual reductions are the units implemented in the year, times the annual emission reduction for the measure.
2009	-	-	-	-	-	
2010	-	-	-	-	-	
2011	-	-	-	-	-	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
Total Annual	-	-	-	-	-	
Lifecycle Reductions						
2009	-	-	-	-	-	
2010	-	-	-	-	-	
2011	-	-	-	-	-	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
Total Lifecycle	-	-	-	-	-	

Reductions based on total annual installations									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb (kW)	Net CEC (kW)	User Entered kW	Net Annual NCP (kW)
2009	-	-	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-	-	-
2011	-	-	-	-	-	-	-	-	-
2012	-	-	-	-	-	-	-	-	-
2013	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-



Program Summary	Nominal	Present Value
Proposer Name	SoCalGas	
Program Name	SoCalGas Compliance Partnerships	
Total Program Budget (\$)	\$ 14,952,271	\$ 14,952,271
Net Participant Cost (\$)	\$ -	\$ -

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Net Impacts by Sector (All Measures Installed through 2012)									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
<b>Total</b>	-	-	-	-	-	-	-	-	-
RES	-	-	-	-	-	-	-	-	-
NON_RES	-	-	-	-	-	-	-	-	-
Residential	-	-	-	-	-	-	-	-	-
Retail	-	-	-	-	-	-	-	-	-

\* Include program-level and admin costs allocated based to total gas and electric programs at the measure level.

Net Impacts by CPUC End Use Categories (All Measures Installed through 2012)									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb Pk (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
<b>Total</b>	-	-	-	-	-	-	-	-	-
Clothes Dryer	-	-	-	-	-	-	-	-	-
Clothes Washer	-	-	-	-	-	-	-	-	-
Consumer Electronics	-	-	-	-	-	-	-	-	-
Cooking	-	-	-	-	-	-	-	-	-
Dishwasher	-	-	-	-	-	-	-	-	-
Other Appliance	-	-	-	-	-	-	-	-	-
Office Equipment	-	-	-	-	-	-	-	-	-
Building shell	-	-	-	-	-	-	-	-	-
Space Cooling	-	-	-	-	-	-	-	-	-
Space Heating	-	-	-	-	-	-	-	-	-
Ventilation	-	-	-	-	-	-	-	-	-
Interior Lighting	-	-	-	-	-	-	-	-	-
Exterior Lighting	-	-	-	-	-	-	-	-	-
Daylighting	-	-	-	-	-	-	-	-	-
Motors	-	-	-	-	-	-	-	-	-
Process	-	-	-	-	-	-	-	-	-
Compressed Air	-	-	-	-	-	-	-	-	-
Food Processor	-	-	-	-	-	-	-	-	-
Refrigeration	-	-	-	-	-	-	-	-	-
Freezers	-	-	-	-	-	-	-	-	-
Pumps	-	-	-	-	-	-	-	-	-
Pool Pump	-	-	-	-	-	-	-	-	-
Domestic Hot Water	-	-	-	-	-	-	-	-	-
Water Heating	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-

\* Include program-level and admin costs allocated based to total gas and electric programs at the measure level.

Net Impacts by Climate Zone (All Measures Installed through 2012)									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net dec-Feb Pk (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
<b>Total</b>	-	-	-	-	-	-	-	-	#DIV/0!
6	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-
System	-	-	-	-	-	-	-	-	-

\* Include program-level and admin costs allocated based to total gas and electric programs at the measure level.

Program Summary	Nominal	Present Value
Proposer Name	SoCalGas	
Program Name	SoCalGas Compliance Partnerships	
Total Program Budget (\$)	\$ 14,952,271	\$ 14,952,271
Net Participant Cost (\$)	\$ -	\$ -

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Persistent reductions in the summer (3rd Qtr) or winter (4th Qtr) of each year		
	Net July-Sept Peak (kW)	Net Annual Dec- Feb (kW)
2009	-	-
2010	-	-
2011	-	-
2012	-	-
2013	-	-
2014	-	-
2015	-	-
2016	-	-

Monthly Impacts					
First Year for Impact Table:		2009			
	Quarter	Monthly Five Hour Avg or TOU Peak	Net Monthly NCP (kW)	Monthly Net kWh	Monthly Net Therms
January-09	1	-	-	-	-
February-09	1	-	-	-	-
March-09	1	-	-	-	-
April-09	2	-	-	-	-
May-09	2	-	-	-	-
June-09	2	-	-	-	-
July-09	3	-	-	-	-
August-09	3	-	-	-	-
September-09	3	-	-	-	-
October-09	4	-	-	-	-
November-09	4	-	-	-	-
December-09	4	-	-	-	-
January-10	5	-	-	-	-
February-10	5	-	-	-	-
March-10	5	-	-	-	-
April-10	6	-	-	-	-
May-10	6	-	-	-	-
June-10	6	-	-	-	-
July-10	7	-	-	-	-
August-10	7	-	-	-	-
September-10	7	-	-	-	-
October-10	8	-	-	-	-
November-10	8	-	-	-	-
December-10	8	-	-	-	-
January-11	9	-	-	-	-
February-11	9	-	-	-	-
March-11	9	-	-	-	-
April-11	10	-	-	-	-
May-11	10	-	-	-	-
June-11	10	-	-	-	-
July-11	11	-	-	-	-
August-11	11	-	-	-	-
September-11	11	-	-	-	-
October-11	12	-	-	-	-
November-11	12	-	-	-	-
December-11	12	-	-	-	-
January-12	13	-	-	-	-
February-12	13	-	-	-	-
March-12	13	-	-	-	-
April-12	14	-	-	-	-
May-12	14	-	-	-	-
June-12	14	-	-	-	-
July-12	15	-	-	-	-
August-12	15	-	-	-	-
September-12	15	-	-	-	-
October-12	16	-	-	-	-
November-12	16	-	-	-	-
December-12	16	-	-	-	-
January-13	17	-	-	-	-

Program Summary		Nominal	Present Value
Proposer Name	SoCalGas		
Program Name	SoCalGas Compliance Partnerships		
Total Program Budget (\$)	\$ 14,952,271	\$ 14,952,271	
Net Participant Cost (\$)	\$ -	\$ -	

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February-13	17	-	-	-	-
March-13	17	-	-	-	-
April-13	18	-	-	-	-
May-13	18	-	-	-	-
June-13	18	-	-	-	-
July-13	19	-	-	-	-
August-13	19	-	-	-	-
September-13	19	-	-	-	-
October-13	20	-	-	-	-
November-13	20	-	-	-	-
December-13	20	-	-	-	-
January-14	21	-	-	-	-
February-14	21	-	-	-	-
March-14	21	-	-	-	-
April-14	22	-	-	-	-
May-14	22	-	-	-	-
June-14	22	-	-	-	-
July-14	23	-	-	-	-
August-14	23	-	-	-	-
September-14	23	-	-	-	-
October-14	24	-	-	-	-
November-14	24	-	-	-	-
December-14	24	-	-	-	-
January-15	25	-	-	-	-
February-15	25	-	-	-	-
March-15	25	-	-	-	-
April-15	26	-	-	-	-
May-15	26	-	-	-	-
June-15	26	-	-	-	-
July-15	27	-	-	-	-
August-15	27	-	-	-	-
September-15	27	-	-	-	-
October-15	28	-	-	-	-
November-15	28	-	-	-	-
December-15	28	-	-	-	-

Program Summary	Nominal	Present Value
Proposer Name	SoCalGas	
Program Name	SoCalGas Compliance 3Party	
Total Program Budget (\$)	\$ 58,127,756	\$ 56,352,669
Net Participant Cost (\$)	\$ 546,389	\$ 476,531

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Program Impacts								
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net Jul-Sept PK (kW)	Net Dec-Feb PK (kW)	Net CEC (kW)	User Entered kW
2009-2011	511,185	9,201,322	2,562,687	28,445,661	-	-	111	752
2012-2015	-	-	-	-	-	-	-	-

Cost Effectiveness (Lifecycle Present Value Dollars)								
	Cost	Benefits			Benefit - Cost		Notes	
		Electric	Gas	Incentives	NPV	B/C Ratio		
Program TRC (\$)	\$ 56,829,201	\$0	\$14,635,028	NA	(\$42,194,173)	0.26	*1	
Program PAC (\$)	\$ 56,352,669	\$0	\$14,635,028	NA	(\$41,717,641)	0.26	*1,2	
Program RIM (\$)	\$ 69,330,235	\$0	\$14,635,028	NA	(\$54,695,207)	0.21	*1	

\*1 B/C Ratio is an approximation because any supply cost increases are treated as negative benefits rather than as a cost as in the Standard Practice Manual  
\*2 PAC benefits include environmental costs. This is to be consistent with the TRC benefits, but is not strictly consistent with the Standard Practice Manual.

Levelized Cost and Benefit (All Measures Installed through 2012)						
	Discounted Savings		Cost	Benefits	Benefit - Cost	
	kWh	Therms			NPV	
TRC (\$/kWh)	4,334,416		\$ -	\$ -	\$ -	
PAC (\$/kWh)	4,334,416		\$ -	\$ -	\$ -	
RIM (\$/kWh)	4,334,416		\$ -	\$ -	\$ -	
TRC (\$/therm)		16,707,820	\$ 3.40	\$ 0.88	\$ (2.5254)	
PAC (\$/therm)		16,707,820	\$ 3.37	\$ 0.88	\$ (2.4969)	
RIM (\$/therm)		16,707,820	\$ 4.15	\$ 0.88	\$ (3.2736)	

Emissions Reductions						
Annual Reductions	Electric Reductions			Gas Reductions		
	CO2 (tons)	NOX (lbs)	PM-10 (lbs)	CO2 (tons)	NOX (lbs)	
2009	-	-	-	4,997	6,993	* annual reductions are the units implemented in the year, times the annual emission reduction for the measure.
2010	-	-	-	4,997	6,993	
2011	-	-	-	4,997	6,993	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
<b>Total Annual</b>	-	-	-	14,992	20,979	
Lifecycle Reductions						
2009	-	-	-	55,469	79,054	
2010	-	-	-	55,469	79,054	
2011	-	-	-	55,469	79,054	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
<b>Total Lifecycle</b>	-	-	-	166,407	237,163	

Reductions based on total annual installations									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb (kW)	Net CEC (kW)	User Entered kW	Net Annual NCP (kW)
2009	170,395	3,067,107	854,229	9,481,887	-	-	36.98	250.61	-
2010	170,395	3,067,107	854,229	9,481,887	-	-	36.98	250.61	-
2011	170,395	3,067,107	854,229	9,481,887	-	-	36.98	250.61	-
2012	-	-	-	-	-	-	-	-	-
2013	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-
<b>Total</b>	511,185	9,201,322	2,562,687	28,445,661	-	-	111	752	-

Program Summary	Nominal	Present Value
Proposer Name	SoCalGas	
Program Name	SoCalGas Compliance 3Party	
Total Program Budget (\$)	\$ 58,127,756	\$ 56,352,669
Net Participant Cost (\$)	\$ 546,389	\$ 476,531

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Net Impacts by Sector (All Measures Installed through 2012)									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
<b>Total</b>	511,185	9,201,322	2,562,687	28,445,661	-	-	111	752	(42,194,173)
RES	-	-	-	-	-	-	-	-	-
NON_RES	-	-	-	-	-	-	-	-	-
Residential	511,185	9,201,322	1,122,234	14,041,131	-	-	111	752	(19,982,174)
Retail	-	-	-	-	-	-	-	-	-

\* Include program-level and admin costs allocated based to total gas and electric programs at the measure level.

Net Impacts by CPUC End Use Categories (All Measures Installed through 2012)									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb Pk (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
<b>Total</b>	-	-	-	-	-	-	-	-	-
Clothes Dryer	-	-	-	-	-	-	-	-	-
Clothes Washer	-	-	-	-	-	-	-	-	-
Consumer Electronics	-	-	-	-	-	-	-	-	-
Cooking	-	-	-	-	-	-	-	-	-
Dishwasher	-	-	-	-	-	-	-	-	-
Other Appliance	-	-	-	-	-	-	-	-	-
Office Equipment	-	-	-	-	-	-	-	-	-
Building shell	-	-	-	-	-	-	-	-	-
Space Cooling	-	-	-	-	-	-	-	-	-
Space Heating	-	-	-	-	-	-	-	-	-
Ventilation	-	-	-	-	-	-	-	-	-
Interior Lighting	-	-	-	-	-	-	-	-	-
Exterior Lighting	-	-	-	-	-	-	-	-	-
Daylighting	-	-	-	-	-	-	-	-	-
Motors	-	-	-	-	-	-	-	-	-
Process	-	-	-	-	-	-	-	-	-
Compressed Air	-	-	-	-	-	-	-	-	-
Food Processor	-	-	-	-	-	-	-	-	-
Refrigeration	-	-	-	-	-	-	-	-	-
Freezers	-	-	-	-	-	-	-	-	-
Pumps	-	-	-	-	-	-	-	-	-
Pool Pump	-	-	-	-	-	-	-	-	-
Domestic Hot Water	-	-	-	-	-	-	-	-	-
Water Heating	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-

\* Include program-level and admin costs allocated based to total gas and electric programs at the measure level.

Net Impacts by Climate Zone (All Measures Installed through 2012)									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net dec-Feb Pk (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
<b>Total</b>	511,185	9,201,322	2,562,687	28,445,661	-	-	111	111	(42,194,173)
6	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-
System	511,185	9,201,322	2,562,687	28,445,661	-	-	111	111	(42,194,173)

\* Include program-level and admin costs allocated based to total gas and electric programs at the measure level.

Program Summary	Nominal	Present Value
Proposer Name	SoCalGas	
Program Name	SoCalGas Compliance 3Party	
Total Program Budget (\$)	\$ 58,127,756	\$ 56,352,669
Net Participant Cost (\$)	\$ 546,389	\$ 476,531

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Persistent reductions in the summer (3rd Qtr) or winter (4th Qtr) of each year		
	Net July-Sept Peak (kW)	Net Annual Dec- Feb (kW)
2009	-	-
2010	-	-
2011	-	-
2012	-	-
2013	-	-
2014	-	-
2015	-	-
2016	-	-

Monthly Impacts					
First Year for Impact Table:		2009			
	Quarter	Monthly Five Hour Avg or TOU Peak	Net Monthly NCP (kW)	Monthly Net kWh	Monthly Net Therms
January-09	1	-	-	-	-
February-09	1	-	-	-	-
March-09	1	-	-	-	-
April-09	2	-	-	-	17,430
May-09	2	-	-	-	17,430
June-09	2	-	-	-	17,430
July-09	3	-	-	-	34,861
August-09	3	-	-	-	34,861
September-09	3	-	-	-	34,861
October-09	4	-	-	-	54,488
November-09	4	-	-	-	54,488
December-09	4	-	-	-	54,488
January-10	5	-	-	-	72,650
February-10	5	-	-	-	72,650
March-10	5	-	-	-	72,650
April-10	6	-	-	-	87,151
May-10	6	-	-	-	87,151
June-10	6	-	-	-	87,151
July-10	7	-	-	-	104,582
August-10	7	-	-	-	104,582
September-10	7	-	-	-	104,582
October-10	8	-	-	-	127,138
November-10	8	-	-	-	127,138
December-10	8	-	-	-	127,138
January-11	9	-	-	-	145,301
February-11	9	-	-	-	145,301
March-11	9	-	-	-	145,301
April-11	10	-	-	-	156,873
May-11	10	-	-	-	156,873
June-11	10	-	-	-	156,873
July-11	11	-	-	-	174,303
August-11	11	-	-	-	174,303
September-11	11	-	-	-	174,303
October-11	12	-	-	-	199,788
November-11	12	-	-	-	199,788
December-11	12	-	-	-	199,788
January-12	13	-	-	-	217,951
February-12	13	-	-	-	217,951
March-12	13	-	-	-	217,951
April-12	14	-	-	-	209,164
May-12	14	-	-	-	209,164
June-12	14	-	-	-	209,164
July-12	15	-	-	-	209,164
August-12	15	-	-	-	209,164
September-12	15	-	-	-	209,164
October-12	16	-	-	-	217,951
November-12	16	-	-	-	217,951
December-12	16	-	-	-	217,951
January-13	17	-	-	-	217,951

Program Summary		Nominal	Present Value
Proposer Name	SoCalGas		
Program Name	SoCalGas Compliance 3Party		
Total Program Budget (\$)	\$ 58,127,756	\$	56,352,669
Net Participant Cost (\$)	\$ 546,389	\$	476,531

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February-13	17	-	-	-	217,951
March-13	17	-	-	-	217,951
April-13	18	-	-	-	209,164
May-13	18	-	-	-	209,164
June-13	18	-	-	-	209,164
July-13	19	-	-	-	209,164
August-13	19	-	-	-	209,164
September-13	19	-	-	-	209,164
October-13	20	-	-	-	217,951
November-13	20	-	-	-	217,951
December-13	20	-	-	-	217,951
January-14	21	-	-	-	217,951
February-14	21	-	-	-	217,951
March-14	21	-	-	-	217,951
April-14	22	-	-	-	209,164
May-14	22	-	-	-	209,164
June-14	22	-	-	-	209,164
July-14	23	-	-	-	209,164
August-14	23	-	-	-	209,164
September-14	23	-	-	-	209,164
October-14	24	-	-	-	217,951
November-14	24	-	-	-	217,951
December-14	24	-	-	-	217,951
January-15	25	-	-	-	217,951
February-15	25	-	-	-	217,951
March-15	25	-	-	-	217,951
April-15	26	-	-	-	209,164
May-15	26	-	-	-	209,164
June-15	26	-	-	-	209,164
July-15	27	-	-	-	209,164
August-15	27	-	-	-	209,164
September-15	27	-	-	-	209,164
October-15	28	-	-	-	217,951
November-15	28	-	-	-	217,951
December-15	28	-	-	-	217,951

Program Summary	Nominal	Present Value
Proposer Name	0	
Program Name	0	
Total Program Budget (\$)	\$ 541,927,473	\$ 497,768,382
Net Participant Cost (\$)	\$ 6,384,670	\$ 5,528,955

	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net Dec-Feb Pk			User Entered kW
					Net Jul-Sept Pk (kW)	(kW)	Net CEC (kW)	
2009-2011	53,200,987	983,308,459	89,813,556	1,432,511,362	13,674	3,122	11,545	16,426
2012-2015	-	-	-	-	-	-	-	-

Cost Effectiveness (Lifecycle Present Value Dollars)							
	Cost	Benefits			Benefit - Cost		Notes
		Electric	Gas	Incentives	NPV	B/C Ratio	
Program TRC (\$)	\$ 503,297,338	\$60,402,594	\$549,545,405	NA	\$106,650,661	1.21	*1
Program PAC (\$)	\$ 497,768,382	\$60,402,594	\$549,545,405	NA	\$112,179,617	1.23	*1,2
Program RIM (\$)	\$ 711,897,768	\$60,402,594	\$549,545,405	NA	(\$101,949,769)	0.86	*1

\*1 B/C Ratio is an approximation because any supply cost increases are treated as negative benefits rather than as a cost as in the Standard Practice Manual

\*2 PAC benefits include environmental costs. This is to be consistent with the TRC benefits, but is not strictly consistent with the Standard Practice Manual.

Levelized Cost and Benefit (All Measures Installed through 2012)						
	Discounted Savings		Cost	Benefits	Benefit - Cost	
	kWh	Therms			NPV	
TRC (\$/kWh)	443,896,178		\$ 0.0781	\$ 0.1361	\$ 0.0580	
PAC (\$/kWh)	443,896,178		\$ 0.0781	\$ 0.1361	\$ 0.0580	
RIM (\$/kWh)	443,896,178		\$ 0.1588	\$ 0.1361	\$ (0.0227)	
TRC (\$/therm)		690,121,405	\$ 0.68	\$ 0.80	\$ 0.1172	
PAC (\$/therm)		690,121,405	\$ 0.67	\$ 0.80	\$ 0.1253	
RIM (\$/therm)		690,121,405	\$ 0.93	\$ 0.80	\$ (0.1331)	

Emissions Reductions							
Annual Reductions	Electric Reductions			Gas Reductions			
	CO2 (tons)	NOX (lbs)	PM-10 (lbs)	CO2 (tons)	NOX (lbs)		
2009	6,989	2,033	880	165,321	317,737	* annual reductions are the units implemented in the year, times the annual emission reduction for the measure.	
2010	8,271	2,408	1,041	174,780	334,042		
2011	12,493	3,640	1,572	185,308	355,349		
2012	-	-	-	-	-		
2013	-	-	-	-	-		
2014	-	-	-	-	-		
2015	-	-	-	-	-		
<b>Total Annual</b>	<b>27,753</b>	<b>8,081</b>	<b>3,492</b>	<b>525,409</b>	<b>1,007,129</b>		
Lifecycle Reductions							
2009	139,780	40,659	17,594	2,673,701	5,364,065		
2010	165,419	48,151	20,817	2,766,234	5,521,914		
2011	249,860	72,809	31,433	2,940,257	5,882,505		
2012	-	-	-	-	-		
2013	-	-	-	-	-		
2014	-	-	-	-	-		
2015	-	-	-	-	-		
<b>Total Lifecycle</b>	<b>555,059</b>	<b>161,619</b>	<b>69,844</b>	<b>8,380,191</b>	<b>16,768,483</b>		

Reductions based on total annual installations									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb (kW)	Net CEC (kW)	User Entered kW	Net Annual NCP (kW)
2009	14,177,577	256,647,923	28,260,075	457,042,833	3,540	779	3,076.53	4,457.34	1,770
2010	16,191,609	296,928,571	29,876,893	472,860,454	4,109	928	3,513.58	5,026.54	3,825
2011	22,831,801	429,731,966	31,676,589	502,608,074	6,025	1,415	4,954.50	6,941.74	5,067
2012	-	-	-	-	-	-	-	-	3,012
2013	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>53,200,987</b>	<b>983,308,459</b>	<b>89,813,556</b>	<b>1,432,511,362</b>	<b>13,674</b>	<b>3,122</b>	<b>11,545</b>	<b>16,426</b>	<b>13,674</b>



Program Summary	Nominal	Present Value
Proposer Name	0	
Program Name	0	
Total Program Budget (\$)	\$ 541,927,473	\$ 497,768,382
Net Participant Cost (\$)	\$ 6,384,670	\$ 5,528,955

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**Net Impacts by Sector (All Measures Installed through 2012)**

	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
<b>Total</b>	53,200,987	983,308,459	76,838,234	1,256,743,352	13,674	3,122	11,545	16,426	106,650,661
RES	-	-	-	-	-	-	-	-	-
NON_RES	-	-	-	-	-	-	-	-	-
Residential	20,977,993	338,848,591	13,320,963	161,116,575	10,129	922	4,552	12,881	(60,697,048)
Retail	-	-	-	-	-	-	-	-	-

\* Include program-level and admin costs allocated based to total gas and electric programs at the measure level.

**Net Impacts by CPUC End Use Categories (All Measures Installed through 2012)**

	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb Pk (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
<b>Total</b>	43,835,480	876,709,591	10,888,366	142,143,868	13,674	3,122	9,512	13,674	(29,838,226)
Clothes Dryer	-	-	-	-	-	-	-	-	-
Clothes Washer	-	-	517,049	5,687,535	-	-	-	-	(59,444,351)
Consumer Electronics	-	-	-	-	-	-	-	-	-
Cooking	-	-	-	-	-	-	-	-	-
Dishwasher	-	-	-	-	-	-	-	-	-
Other Appliance	-	-	-	-	-	-	-	-	-
Office Equipment	-	-	-	-	-	-	-	-	-
Building shell	-	-	4,231,455	21,157,273	-	-	-	-	(15,946,159)
Space Cooling	43,835,480	876,709,591	2,963,052	59,261,043	13,674	3,122	9,512	13,674	31,304,981
Space Heating	-	-	-	-	-	-	-	-	-
Ventilation	-	-	-	-	-	-	-	-	-
Interior Lighting	-	-	-	-	-	-	-	-	-
Exterior Lighting	-	-	-	-	-	-	-	-	-
Daylighting	-	-	-	-	-	-	-	-	-
Motors	-	-	-	-	-	-	-	-	-
Process	-	-	-	-	-	-	-	-	-
Compressed Air	-	-	-	-	-	-	-	-	-
Food Processor	-	-	-	-	-	-	-	-	-
Refrigeration	-	-	-	-	-	-	-	-	-
Freezers	-	-	-	-	-	-	-	-	-
Pumps	-	-	-	-	-	-	-	-	-
Pool Pump	-	-	-	-	-	-	-	-	-
Domestic Hot Water	-	-	3,176,811	56,038,018	-	-	-	-	14,247,304
Water Heating	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-

\* Include program-level and admin costs allocated based to total gas and electric programs at the measure level.

**Net Impacts by Climate Zone (All Measures Installed through 2012)**

	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net dec-Feb Pk (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
<b>Total</b>	53,200,987	983,308,459	89,813,556	1,432,511,362	13,674	3,122	11,545	11,545	106,650,661
6	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-
System	53,200,987	983,308,459	89,813,556	1,432,511,362	13,674	3,122	11,545	11,545	106,650,661

\* Include program-level and admin costs allocated based to total gas and electric programs at the measure level.

**Persistent reductions in the summer (3rd Qtr) or winter (4th Qtr) of each year**

	Net July-Sept Peak (kW)	Net Annual Dec-Feb (kW)
2009	1,770	779
2010	5,595	1,707
2011	10,662	3,122
2012	13,674	3,122
2013	13,674	3,122
2014	13,674	3,122
2015	13,674	3,122
2016	13,674	3,122

Program Summary	Nominal	Present Value
Proposer Name	0	
Program Name	0	
Total Program Budget (\$)	\$ 541,927,473	\$ 497,768,382
Net Participant Cost (\$)	\$ 6,384,670	\$ 5,528,955

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Monthly Impacts					
First Year for Impact Table:		2009			
	Quarter	Monthly Five Hour Avg or TOU Peak	Net Monthly NCP (kW)	Monthly Net kWh	Monthly Net Therms
January-09	1	-	-	-	-
February-09	1	-	-	-	-
March-09	1	-	-	-	-
April-09	2	195	195	123,630	484,588
May-09	2	195	195	123,630	484,588
June-09	2	885	885	443,724	484,588
July-09	3	1,770	1,770	887,448	969,175
August-09	3	1,770	1,770	887,448	969,175
September-09	3	1,770	1,770	887,448	969,175
October-09	4	584	584	370,891	2,078,747
November-09	4	584	584	370,891	2,078,747
December-09	4	584	584	370,891	2,078,747
January-10	5	779	779	494,521	2,771,662
February-10	5	779	779	494,521	2,771,662
March-10	5	779	779	494,521	2,771,662
April-10	6	1,011	1,011	642,233	2,429,665
May-10	6	1,011	1,011	642,233	2,429,665
June-10	6	4,567	4,567	2,296,335	2,429,665
July-10	7	5,595	5,595	2,817,774	2,920,980
August-10	7	5,595	5,595	2,817,774	2,920,980
September-10	7	5,595	5,595	2,817,774	2,920,980
October-10	8	1,475	1,475	937,656	5,032,329
November-10	8	1,475	1,475	937,656	5,032,329
December-10	8	1,475	1,475	937,656	5,032,329
January-11	9	1,707	1,707	1,085,368	5,785,885
February-11	9	1,707	1,707	1,085,368	5,785,885
March-11	9	1,707	1,707	1,085,368	5,785,885
April-11	10	2,061	2,061	1,311,708	4,427,388
May-11	10	2,061	2,061	1,311,708	4,427,388
June-11	10	9,156	9,156	4,639,841	4,427,388
July-11	11	10,662	10,662	5,419,032	4,951,166
August-11	11	10,662	10,662	5,419,032	4,951,166
September-11	11	10,662	10,662	5,419,032	4,951,166
October-11	12	2,769	2,769	1,764,388	8,174,124
November-11	12	2,769	2,769	1,764,388	8,174,124
December-11	12	2,769	2,769	1,764,388	8,174,124
January-12	13	3,122	3,122	1,990,729	8,970,203
February-12	13	3,122	3,122	1,990,729	8,970,203
March-12	13	3,122	3,122	1,990,729	8,970,203
April-12	14	3,122	3,122	1,990,729	5,994,216
May-12	14	3,122	3,122	1,990,729	5,994,216
June-12	14	13,674	13,674	6,977,413	5,994,216
July-12	15	13,674	13,674	6,977,413	5,989,708
August-12	15	13,674	13,674	6,977,413	5,989,708
September-12	15	13,674	13,674	6,977,413	5,989,708
October-12	16	3,122	3,122	1,990,729	8,956,681
November-12	16	3,122	3,122	1,990,729	8,956,681
December-12	16	3,122	3,122	1,990,729	8,956,681
January-13	17	3,122	3,122	1,990,729	8,952,173
February-13	17	3,122	3,122	1,990,729	8,952,173
March-13	17	3,122	3,122	1,990,729	8,952,173
April-13	18	3,122	3,122	1,990,729	5,974,158
May-13	18	3,122	3,122	1,990,729	5,974,158
June-13	18	13,674	13,674	6,977,413	5,974,158
July-13	19	13,674	13,674	6,977,413	5,967,622
August-13	19	13,674	13,674	6,977,413	5,967,622
September-13	19	13,674	13,674	6,977,413	5,967,622
October-13	20	3,122	3,122	1,990,729	8,932,566
November-13	20	3,122	3,122	1,990,729	8,932,566
December-13	20	3,122	3,122	1,990,729	8,932,566
January-14	21	3,122	3,122	1,990,729	8,926,030
February-14	21	3,122	3,122	1,990,729	8,926,030
March-14	21	3,122	3,122	1,990,729	8,926,030
April-14	22	3,122	3,122	1,990,729	5,943,799
May-14	22	3,122	3,122	1,990,729	5,943,799
June-14	22	13,674	13,674	6,977,413	5,943,799
July-14	23	13,674	13,674	6,977,413	5,933,049
August-14	23	13,674	13,674	6,977,413	5,933,049
September-14	23	13,674	13,674	6,977,413	5,933,049
October-14	24	3,122	3,122	1,990,729	8,719,624
November-14	24	3,122	3,122	1,990,729	8,719,624

Program Summary	Nominal	Present Value
Proposer Name	0	
Program Name	0	
Total Program Budget (\$)	\$ 541,927,473	\$ 497,768,382
Net Participant Cost (\$)	\$ 6,384,670	\$ 5,528,955

Avoided Cost Version  
 5/10/2008  
 5/22/2008  
 Base Year  
 2009  
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December-14	24	3,122	3,122	1,990,729	8,719,624
January-15	25	3,122	3,122	1,990,729	8,650,822
February-15	25	3,122	3,122	1,990,729	8,650,822
March-15	25	3,122	3,122	1,990,729	8,650,822
April-15	26	3,122	3,122	1,990,729	5,889,144
May-15	26	3,122	3,122	1,990,729	5,889,144
June-15	26	13,674	13,674	6,977,413	5,889,144
July-15	27	13,674	13,674	6,977,413	5,866,742
August-15	27	13,674	13,674	6,977,413	5,866,742
September-15	27	13,674	13,674	6,977,413	5,866,742
October-15	28	3,122	3,122	1,990,729	8,409,462
November-15	28	3,122	3,122	1,990,729	8,409,462
December-15	28	3,122	3,122	1,990,729	8,409,462