

**Application of Southern California Gas Company
(U-904-G) for Approval of Natural Gas Energy
Efficiency Programs and Budgets for Years
2009 through 2011**

Application No. 08-07-022
Exhibit No.: _____

Chapter II

Supplemental Testimony

of

Athena Besa

Southern California Gas Company

Appendix A: Portfolio Cost-Effectiveness

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

July 2, 2009



A  Sempra Energy utility®

Appendix A:

Southern California Gas Company

Portfolio Cost-Effectiveness

Program Summary		Nominal	Present Value
Proposer Name	SoCalGas		
Program Name	SoCalGas Utility Core Programs		
Total Program Budget (\$)	\$ 374,318,512	\$ 340,999,592	
Net Participant Cost (\$)	\$ 8,997,402	\$ 7,723,770	

Avoided Cost Version
 5/10/2008
 5/22/2008
 Base Year
 2009
 SoCal Planner TOU 1d2.xls
 6/30/09 9:19

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	42,885,311	857,510,616	60,491,699	995,868,392	13,105	3,071	9,306	13,249
2012-2015	-	-	-	-	-	-	-	-

Cost Effectiveness (Lifecycle Present Value Dollars)							
	Cost	Benefits			Benefit - Cost		Notes
		Electric	Gas	Incentives	NPV	B/C Ratio	
Program TRC (\$)	\$ 348,723,362	\$59,605,791	\$425,230,724	NA	\$136,113,153	1.39	*1
Program PAC (\$)	\$ 340,999,592	\$59,605,791	\$425,230,724	NA	\$143,836,923	1.42	*1,2
Program RIM (\$)	\$ 527,700,133	\$59,605,791	\$425,230,724	NA	(\$42,863,618)	0.92	*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)	378,691,206		\$ 0.0745	\$ 0.1574	\$ 0.0829	
PAC (\$/kWh)	378,691,206		\$ 0.0745	\$ 0.1574	\$ 0.0829	
RIM (\$/kWh)	378,691,206		\$ 0.1713	\$ 0.1574	\$ (0.0139)	
TRC (\$/therm)		472,095,567	\$ 0.68	\$ 0.90	\$ 0.2218	
PAC (\$/therm)		472,095,567	\$ 0.66	\$ 0.90	\$ 0.2382	
RIM (\$/therm)		472,095,567	\$ 0.98	\$ 0.90	\$ (0.0796)	

Emissions Reductions						
Annual Reductions	Electric Reductions			Gas Reductions		
	CO2 (tons)	NOX (lbs)	PM-10 (lbs)	CO2 (tons)	NOX (lbs)	
2009	8,665	2,525	1,090	111,593	224,862	* annual reductions are the units implemented in the year, times the annual emission reduction for the measure.
2010	8,990	2,620	1,131	116,903	233,674	
2011	9,463	2,757	1,191	125,380	246,945	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
Total Annual	27,118	7,902	3,412	353,876	705,480	
Lifecycle Reductions						
2009	173,299	50,496	21,802	1,837,292	3,941,232	
2010	179,803	52,391	22,620	1,925,040	4,097,276	
2011	189,263	55,148	23,810	2,063,498	4,330,483	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
Total Lifecycle	542,365	158,035	68,233	5,825,830	12,368,991	

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	13,702,899	273,995,525	19,075,709	314,067,073	4,187	981	2,973.53	4,233.39	2,094
2010	14,217,210	284,279,289	19,983,446	329,066,697	4,345	1,018	3,085.13	4,392.35	4,266
2011	14,965,202	299,235,803	21,432,543	352,734,622	4,573	1,071	3,247.45	4,623.39	4,459
2012	-	-	-	-	-	-	-	-	2,287
2013	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-
Total	42,885,311	857,510,616	60,491,699	995,868,392	13,105	3,071	9,306	13,249	13,105

Program Summary	Nominal	Present Value
Proposer Name	SoCalGas	
Program Name	SoCalGas Utility Core Programs	
Total Program Budget (\$)	\$ 374,318,512	\$ 340,999,592
Net Participant Cost (\$)	\$ 8,997,402	\$ 7,723,770

Avoided Cost Version
 5/10/2008
 5/22/2008
 Base Year
 2009
 SoCal Planner TOU 1d2.xls
 6/30/09 9:19

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* (\$)
Total	42,885,311	857,510,616	60,491,699	995,868,392	13,105	3,071	9,306	13,249	136,113,153
RES	-	-	-	-	-	-	-	-	-
NON_RES	-	-	-	-	-	-	-	-	-
Residential	10,662,318	213,050,748	12,263,851	140,830,310	9,561	870	2,314	9,705	(40,220,336)
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* (\$)
Total	42,787,508	855,750,159	8,672,271	121,082,621	13,105	3,071	9,285	13,105	1,265,430
Clothes Dryer	-	-	-	-	-	-	-	-	-
Clothes Washer	-	-	365,797	4,023,763	-	-	-	-	(41,790,516)
Consumer Electronics	-	-	-	-	-	-	-	-	-
Cooking	-	-	-	-	-	-	-	-	-
Dishwasher	-	-	-	-	-	-	-	-	-
Other Appliance	-	-	-	-	-	-	-	-	-
Office Equipment	-	-	-	-	-	-	-	-	-
Building shell	-	-	2,835,184	14,175,922	-	-	-	-	(9,822,959)
Space Cooling	42,787,508	855,750,159	2,740,278	54,805,564	13,105	3,071	9,285	13,105	38,907,450
Space Heating	-	-	-	-	-	-	-	-	-
Ventilation	-	-	-	-	-	-	-	-	-
Interior Lighting	-	-	-	-	-	-	-	-	-
Exterior Lighting	-	-	-	-	-	-	-	-	-
Daylighting	-	-	-	-	-	-	-	-	-
Motors	-	-	-	-	-	-	-	-	-
Process	-	-	-	-	-	-	-	-	-
Compressed Air	-	-	-	-	-	-	-	-	-
Food Processor	-	-	-	-	-	-	-	-	-
Refrigeration	-	-	-	-	-	-	-	-	-
Freezers	-	-	-	-	-	-	-	-	-
Pumps	-	-	-	-	-	-	-	-	-
Pool Pump	-	-	-	-	-	-	-	-	-
Domestic Hot Water	-	-	2,731,012	48,077,372	-	-	-	-	13,971,457
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* (\$)
Total	42,885,311	857,510,616	60,491,699	995,868,392	13,105	3,071	9,306	9,306	136,113,153
6	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-
System	42,885,311	857,510,616	60,491,699	995,868,392	13,105	3,071	9,306	9,306	136,113,153

* 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	2,094	981
2010	6,360	1,999
2011	10,819	3,071
2012	13,105	3,071
2013	13,105	3,071

Program Summary	Nominal	Present Value
Proposer Name	SoCalGas	
Program Name	SoCalGas Utility Core Programs	
Total Program Budget (\$)	\$ 374,318,512	\$ 340,999,592
Net Participant Cost (\$)	\$ 8,997,402	\$ 7,723,770
2014	13,105	3,071
2015	13,105	3,071
2016	13,105	3,071

Avoided Cost Version
 5/10/2008
 5/22/2008
 Base Year
 2009
 SoCal Planner TOU 1d2.xls
 6/30/09 9:19

Program Summary		Nominal	Present Value
Proposer Name	SoCalGas		
Program Name	SoCalGas Utility Core Programs		
Total Program Budget (\$)	\$ 374,318,512	\$ 340,999,592	
Net Participant Cost (\$)	\$ 8,997,402	\$ 7,723,770	

Avoided Cost Version
 5/10/2008
 5/22/2008
 Base Year
 2009
 SoCal Planner TOU 1d2.xls
 6/30/09 9:19

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	245	245	156,866	359,314
May-09	2	245	245	156,866	359,314
June-09	2	1,047	1,047	540,747	359,314
July-09	3	2,094	2,094	1,081,494	718,627
August-09	3	2,094	2,094	1,081,494	718,627
September-09	3	2,094	2,094	1,081,494	718,627
October-09	4	736	736	470,599	1,306,523
November-09	4	736	736	470,599	1,306,523
December-09	4	736	736	470,599	1,306,523
January-10	5	981	981	627,465	1,742,030
February-10	5	981	981	627,465	1,742,030
March-10	5	981	981	627,465	1,742,030
April-10	6	1,236	1,236	790,218	1,810,014
May-10	6	1,236	1,236	790,218	1,810,014
June-10	6	5,274	5,274	2,724,029	1,810,014
July-10	7	6,360	6,360	3,285,070	2,182,773
August-10	7	6,360	6,360	3,285,070	2,182,773
September-10	7	6,360	6,360	3,285,070	2,182,773
October-10	8	1,745	1,745	1,115,725	3,121,683
November-10	8	1,745	1,745	1,115,725	3,121,683
December-10	8	1,745	1,745	1,115,725	3,121,683
January-11	9	1,999	1,999	1,278,478	3,581,567
February-11	9	1,999	1,999	1,278,478	3,581,567
March-11	9	1,999	1,999	1,278,478	3,581,567
April-11	10	2,267	2,267	1,449,794	3,320,649
May-11	10	2,267	2,267	1,449,794	3,320,649
June-11	10	9,675	9,675	4,997,711	3,320,649
July-11	11	10,819	10,819	5,588,271	3,713,006
August-11	11	10,819	10,819	5,588,271	3,713,006
September-11	11	10,819	10,819	5,588,271	3,713,006
October-11	12	2,803	2,803	1,792,427	5,083,564
November-11	12	2,803	2,803	1,792,427	5,083,564
December-11	12	2,803	2,803	1,792,427	5,083,564
January-12	13	3,071	3,071	1,963,743	5,584,229
February-12	13	3,071	3,071	1,963,743	5,584,229
March-12	13	3,071	3,071	1,963,743	5,584,229
April-12	14	3,071	3,071	1,963,743	4,493,642
May-12	14	3,071	3,071	1,963,743	4,493,642
June-12	14	13,105	13,105	6,769,390	4,493,642
July-12	15	13,105	13,105	6,769,390	4,489,563
August-12	15	13,105	13,105	6,769,390	4,489,563
September-12	15	13,105	13,105	6,769,390	4,489,563
October-12	16	3,071	3,071	1,963,743	5,571,993
November-12	16	3,071	3,071	1,963,743	5,571,993
December-12	16	3,071	3,071	1,963,743	5,571,993
January-13	17	3,071	3,071	1,963,743	5,567,914
February-13	17	3,071	3,071	1,963,743	5,567,914
March-13	17	3,071	3,071	1,963,743	5,567,914
April-13	18	3,071	3,071	1,963,743	4,477,173
May-13	18	3,071	3,071	1,963,743	4,477,173
June-13	18	13,105	13,105	6,769,390	4,477,173
July-13	19	13,105	13,105	6,769,390	4,472,942
August-13	19	13,105	13,105	6,769,390	4,472,942
September-13	19	13,105	13,105	6,769,390	4,472,942
October-13	20	3,071	3,071	1,963,743	5,555,219
November-13	20	3,071	3,071	1,963,743	5,555,219
December-13	20	3,071	3,071	1,963,743	5,555,219
January-14	21	3,071	3,071	1,963,743	5,550,987

Program Summary		Nominal	Present Value
Proposer Name	SoCalGas		
Program Name	SoCalGas Utility Core Programs		
Total Program Budget (\$)	\$ 374,318,512	\$ 340,999,592	
Net Participant Cost (\$)	\$ 8,997,402	\$ 7,723,770	

Avoided Cost Version
 5/10/2008
 5/22/2008
 Base Year
 2009
 SoCal Planner TOU 1d2.xls
 6/30/09 9:19

February-14	21	3,071	3,071	1,963,743	5,550,987
March-14	21	3,071	3,071	1,963,743	5,550,987
April-14	22	3,071	3,071	1,963,743	4,457,120
May-14	22	3,071	3,071	1,963,743	4,457,120
June-14	22	13,105	13,105	6,769,390	4,457,120
July-14	23	13,105	13,105	6,769,390	4,449,762
August-14	23	13,105	13,105	6,769,390	4,449,762
September-14	23	13,105	13,105	6,769,390	4,449,762
October-14	24	3,071	3,071	1,963,743	5,415,674
November-14	24	3,071	3,071	1,963,743	5,415,674
December-14	24	3,071	3,071	1,963,743	5,415,674
January-15	25	3,071	3,071	1,963,743	5,370,569
February-15	25	3,071	3,071	1,963,743	5,370,569
March-15	25	3,071	3,071	1,963,743	5,370,569
April-15	26	3,071	3,071	1,963,743	4,424,982
May-15	26	3,071	3,071	1,963,743	4,424,982
June-15	26	13,105	13,105	6,769,390	4,424,982
July-15	27	13,105	13,105	6,769,390	4,414,918
August-15	27	13,105	13,105	6,769,390	4,414,918
September-15	27	13,105	13,105	6,769,390	4,414,918
October-15	28	3,071	3,071	1,963,743	5,222,890
November-15	28	3,071	3,071	1,963,743	5,222,890
December-15	28	3,071	3,071	1,963,743	5,222,890

Program Summary		Nominal	Present Value
Proposer Name	SoCal Gas		
Program Name	SoCal Gas Partnership Programs		
Total Program Budget (\$)	\$ 21,327,035	\$ 21,327,035	
Net Participant Cost (\$)	\$ -	\$ -	

Avoided Cost Version
 5/10/2008
 5/22/2008
 Base Year
 2009
 SoCal Planner TOU 1d2.xls
 6/30/09 9:21

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 (\$)	\$ 21,327,035	\$0	\$0	NA	(\$21,327,035)	-	*1
Program PAC (\$)	\$ 21,327,035	\$0	\$0	NA	(\$21,327,035)	-	*1,2
Program RIM (\$)	\$ 21,327,035	\$0	\$0	NA	(\$21,327,035)	-	*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	SoCal Gas	
Program Name	SoCal Gas Partnership Programs	
Total Program Budget (\$)	\$ 21,327,035	\$ 21,327,035
Net Participant Cost (\$)	\$ -	\$ -

Avoided Cost Version
 5/10/2008
 5/22/2008
 Base Year
 2009
 SoCal Planner TOU 1d2.xls
 6/30/09 9:21

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* (\$)
Total	-	-	-	-	-	-	-	-	-
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* (\$)
Total	-	-	-	-	-	-	-	-	-
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* (\$)
Total	-	-	-	-	-	-	-	-	#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.

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	-	-

Program Summary	Nominal	Present Value
Proposer Name	SoCal Gas	
Program Name	SoCal Gas Partnership Programs	
Total Program Budget (\$)	\$ 21,327,035	\$ 21,327,035
Net Participant Cost (\$)	\$ -	\$ -
2014	-	-
2015	-	-
2016	-	-

Avoided Cost Version
5/10/2008
5/22/2008
Base Year
2009
SoCal Planner TOU 1d2.xls
6/30/09 9:21

Program Summary	Nominal	Present Value
Proposer Name	SoCal Gas	
Program Name	SoCal Gas Partnership Programs	
Total Program Budget (\$)	\$ 21,327,035	\$ 21,327,035
Net Participant Cost (\$)	\$ -	\$ -

Avoided Cost Version
 5/10/2008
 5/22/2008
 Base Year
 2009
 SoCal Planner TOU 1d2.xls
 6/30/09 9:21

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	-	-	-	-	-
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	-	-	-	-	-

Program Summary		Nominal	Present Value
Proposer Name	SoCal Gas		
Program Name	SoCal Gas Partnership Programs		
Total Program Budget (\$)	\$ 21,327,035	\$ 21,327,035	
Net Participant Cost (\$)	\$ -	\$ -	

Avoided Cost Version
 5/10/2008
 5/22/2008
 Base Year
 2009
 SoCal Planner TOU 1d2.xls
 6/30/09 9:21

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	SoCal Gas	
Program Name	SoCal Gas Third Party Programs	
Total Program Budget (\$)	\$ 59,186,018	\$ 57,718,285
Net Participant Cost (\$)	\$ 14	\$ 12

Avoided Cost Version
 5/10/2008
 5/22/2008
 Base Year
 2009
 SoCal Planner TOU 1d2.xls
 6/30/09 9:22

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	398,240	7,168,320	2,581,616	30,694,771	-	-	86	586
2012-2015	-	-	-	-	-	-	-	-

Cost Effectiveness (Lifecycle Present Value Dollars)								
	Cost	Benefits			Benefit - Cost		Notes	
		Electric	Gas	Incentives	NPV	B/C Ratio		
Program TRC (\$)	\$ 57,718,298	\$0	\$15,427,606	NA	(\$42,290,692)	0.27	*1	
Program PAC (\$)	\$ 57,718,285	\$0	\$15,427,606	NA	(\$42,290,680)	0.27	*1,2	
Program RIM (\$)	\$ 78,470,479	\$0	\$15,427,606	NA	(\$63,042,873)	0.20	*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)	3,368,282		\$ -	\$ -	\$ -
PAC (\$/kWh)	3,368,282		\$ -	\$ -	\$ -
RIM (\$/kWh)	3,368,282		\$ -	\$ -	\$ -
TRC (\$/therm)		17,324,781	\$ 3.33	\$ 0.89	\$ (2.4411)
PAC (\$/therm)		17,324,781	\$ 3.33	\$ 0.89	\$ (2.4411)
RIM (\$/therm)		17,324,781	\$ 4.53	\$ 0.89	\$ (3.6389)

Emissions Reductions						
Annual Reductions	Electric Reductions			Gas Reductions		
	CO2 (tons)	NOX (lbs)	PM-10 (lbs)	CO2 (tons)	NOX (lbs)	
2009	-	-	-	4,945	12,125	* annual reductions are the units implemented in the year, times the annual emission reduction for the measure.
2010	-	-	-	5,019	12,289	
2011	-	-	-	5,138	12,545	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
Total Annual	-	-	-	15,102	36,959	
Lifecycle Reductions						
2009	-	-	-	58,590	139,855	
2010	-	-	-	59,641	142,138	
2011	-	-	-	61,333	145,732	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
Total Lifecycle	-	-	-	179,564	427,725	

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	127,289	2,291,202	845,367	10,015,460	-	-	27.62	187.21	-
2010	131,998	2,375,965	858,003	10,195,049	-	-	28.64	194.14	-
2011	138,953	2,501,153	878,246	10,484,262	-	-	30.15	204.37	-
2012	-	-	-	-	-	-	-	-	-
2013	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-
Total	398,240	7,168,320	2,581,616	30,694,771	-	-	86	586	-

Program Summary	Nominal	Present Value
Proposer Name	SoCal Gas	
Program Name	SoCal Gas Third Party Programs	
Total Program Budget (\$)	\$ 59,186,018	\$ 57,718,285
Net Participant Cost (\$)	\$ 14	\$ 12

Avoided Cost Version
 5/10/2008
 5/22/2008
 Base Year
 2009
 SoCal Planner TOU 1d2.xls
 6/30/09 9:22

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* (\$)
Total	398,240	7,168,320	2,581,616	30,694,771	-	-	86	586	(42,290,692)
RES	-	-	-	-	-	-	-	-	-
NON_RES	-	-	-	-	-	-	-	-	-
Residential	398,240	7,168,320	1,994,689	22,128,489	-	-	86	586	(30,173,489)
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* (\$)
Total	-	-	-	-	-	-	-	-	-
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* (\$)
Total	398,240	7,168,320	2,581,616	30,694,771	-	-	86	86	(42,290,692)
6	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-
System	398,240	7,168,320	2,581,616	30,694,771	-	-	86	86	(42,290,692)

* 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	-	-
2010	-	-
2011	-	-
2012	-	-
2013	-	-

Program Summary	Nominal	Present Value
Proposer Name	SoCal Gas	
Program Name	SoCal Gas Third Party Programs	
Total Program Budget (\$)	\$ 59,186,018	\$ 57,718,285
Net Participant Cost (\$)	\$ 14	\$ 12

Avoided Cost Version
 5/10/2008
 5/22/2008
 Base Year
 2009

SoCal Planner TOU 1d2.xls
 6/30/09 9:22

2014	-	-
2015	-	-
2016	-	-

Program Summary	Nominal	Present Value
Proposer Name	SoCal Gas	
Program Name	SoCal Gas Third Party Programs	
Total Program Budget (\$)	\$ 59,186,018	\$ 57,718,285
Net Participant Cost (\$)	\$ 14	\$ 12

Avoided Cost Version
 5/10/2008
 5/22/2008
 Base Year
 2009
 SoCal Planner TOU 1d2.xls
 6/30/09 9:22

Monthly Impacts						
First Year for Impact Table:		2009	Monthly Five	Net Monthly	Monthly Net	Monthly Net
	Quarter		Hour Avg or TOU Peak	NCP (kW)	kWh	Therms
January-09	1		-	-	-	-
February-09	1		-	-	-	-
March-09	1		-	-	-	-
April-09	2		-	-	-	17,338
May-09	2		-	-	-	17,338
June-09	2		-	-	-	17,338
July-09	3		-	-	-	34,677
August-09	3		-	-	-	34,677
September-09	3		-	-	-	34,677
October-09	4		-	-	-	53,656
November-09	4		-	-	-	53,656
December-09	4		-	-	-	53,656
January-10	5		-	-	-	71,541
February-10	5		-	-	-	71,541
March-10	5		-	-	-	71,541
April-10	6		-	-	-	86,945
May-10	6		-	-	-	86,945
June-10	6		-	-	-	86,945
July-10	7		-	-	-	104,536
August-10	7		-	-	-	104,536
September-10	7		-	-	-	104,536
October-10	8		-	-	-	126,017
November-10	8		-	-	-	126,017
December-10	8		-	-	-	126,017
January-11	9		-	-	-	144,176
February-11	9		-	-	-	144,176
March-11	9		-	-	-	144,176
April-11	10		-	-	-	157,717
May-11	10		-	-	-	157,717
June-11	10		-	-	-	157,717
July-11	11		-	-	-	175,715
August-11	11		-	-	-	175,715
September-11	11		-	-	-	175,715
October-11	12		-	-	-	199,962
November-11	12		-	-	-	199,962
December-11	12		-	-	-	199,962
January-12	13		-	-	-	218,558
February-12	13		-	-	-	218,558
March-12	13		-	-	-	218,558
April-12	14		-	-	-	211,712
May-12	14		-	-	-	211,712
June-12	14		-	-	-	211,712
July-12	15		-	-	-	211,712
August-12	15		-	-	-	211,712
September-12	15		-	-	-	211,712
October-12	16		-	-	-	218,558
November-12	16		-	-	-	218,558
December-12	16		-	-	-	218,558
January-13	17		-	-	-	218,558
February-13	17		-	-	-	218,558
March-13	17		-	-	-	218,558
April-13	18		-	-	-	211,712
May-13	18		-	-	-	211,712
June-13	18		-	-	-	211,712
July-13	19		-	-	-	211,712
August-13	19		-	-	-	211,712
September-13	19		-	-	-	211,712
October-13	20		-	-	-	218,558
November-13	20		-	-	-	218,558
December-13	20		-	-	-	218,558
January-14	21		-	-	-	218,558

Program Summary		Nominal	Present Value
Proposer Name	SoCal Gas		
Program Name	SoCal Gas Third Party Programs		
Total Program Budget (\$)	\$ 59,186,018	\$	57,718,285
Net Participant Cost (\$)	\$ 14	\$	12

Avoided Cost Version
 5/10/2008
 5/22/2008
 Base Year
 2009
 SoCal Planner TOU 1d2.xls
 6/30/09 9:22

February-14	21	-	-	-	218,558
March-14	21	-	-	-	218,558
April-14	22	-	-	-	211,712
May-14	22	-	-	-	211,712
June-14	22	-	-	-	211,712
July-14	23	-	-	-	211,712
August-14	23	-	-	-	211,712
September-14	23	-	-	-	211,712
October-14	24	-	-	-	218,558
November-14	24	-	-	-	218,558
December-14	24	-	-	-	218,558
January-15	25	-	-	-	218,558
February-15	25	-	-	-	218,558
March-15	25	-	-	-	218,558
April-15	26	-	-	-	211,712
May-15	26	-	-	-	211,712
June-15	26	-	-	-	211,712
July-15	27	-	-	-	211,712
August-15	27	-	-	-	211,712
September-15	27	-	-	-	211,712
October-15	28	-	-	-	218,558
November-15	28	-	-	-	218,558
December-15	28	-	-	-	218,558

Program Summary		Nominal	Present Value
Proposer Name	SoCalGas		
Program Name	SoCalGas Portfolio		
Total Program Budget (\$)	\$ 454,831,565	\$ 420,044,913	
Net Participant Cost (\$)	\$ 8,997,416	\$ 7,723,782	

Avoided Cost Version
 5/10/2008
 5/22/2008
 Base Year
 2009
 SoCal Planner TOU 1d2.xls
 6/30/09 10:38

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	43,283,551	864,678,936	63,073,315	1,026,563,163	13,105	3,071	9,393	13,835
2012-2015	-	-	-	-	-	-	-	-

Cost Effectiveness (Lifecycle Present Value Dollars)							
	Cost	Benefits			Benefit - Cost		Notes
		Electric	Gas	Incentives	NPV	B/C Ratio	
Program TRC (\$)	\$ 427,768,696	\$59,605,791	\$440,658,329	NA	\$72,495,425	1.17	*1
Program PAC (\$)	\$ 420,044,913	\$59,605,791	\$440,658,329	NA	\$80,219,207	1.19	*1,2
Program RIM (\$)	\$ 627,497,648	\$59,605,791	\$440,658,329	NA	(\$127,233,528)	0.80	*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)	382,059,487		\$ 0.0942	\$ 0.1560	\$ 0.0618	
PAC (\$/kWh)	382,059,487		\$ 0.0942	\$ 0.1560	\$ 0.0618	
RIM (\$/kWh)	382,059,487		\$ 0.1957	\$ 0.1560	\$ (0.0397)	
TRC (\$/therm)		489,420,349	\$ 0.80	\$ 0.90	\$ 0.0999	
PAC (\$/therm)		489,420,349	\$ 0.78	\$ 0.90	\$ 0.1157	
RIM (\$/therm)		489,420,349	\$ 1.13	\$ 0.90	\$ (0.2290)	

Emissions Reductions						
Annual Reductions	Electric Reductions			Gas Reductions		
	CO2 (tons)	NOX (lbs)	PM-10 (lbs)	CO2 (tons)	NOX (lbs)	
2009	8,665	2,525	1,090	116,538	236,987	* annual reductions are the units implemented in the year, times the annual emission reduction for the measure.
2010	8,990	2,620	1,131	121,922	245,963	
2011	9,463	2,757	1,191	130,518	259,490	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
Total Annual	27,118	7,902	3,412	368,979	742,439	
Lifecycle Reductions						
2009	173,299	50,496	21,802	1,895,883	4,081,086	
2010	179,803	52,391	22,620	1,984,681	4,239,414	
2011	189,263	55,148	23,810	2,124,830	4,476,215	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
Total Lifecycle	542,365	158,035	68,233	6,005,395	12,796,716	

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	13,830,188	276,286,727	19,921,077	324,082,533	4,187	981	3,001.15	4,420.60	2,094
2010	14,349,208	286,655,253	20,841,449	339,261,746	4,345	1,018	3,113.78	4,586.49	4,266
2011	15,104,155	301,736,956	22,310,789	363,218,884	4,573	1,071	3,277.60	4,827.76	4,459
2012	-	-	-	-	-	-	-	-	2,287
2013	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-
Total	43,283,551	864,678,936	63,073,315	1,026,563,163	13,105	3,071	9,393	13,835	13,105

Program Summary	Nominal	Present Value
Proposer Name	SoCalGas	
Program Name	SoCalGas Portfolio	
Total Program Budget (\$)	\$ 454,831,565	\$ 420,044,913
Net Participant Cost (\$)	\$ 8,997,416	\$ 7,723,782

Avoided Cost Version
 5/10/2008
 5/22/2008
 Base Year
 2009
 SoCal Planner TOU 1d2.xls
 6/30/09 10:38

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* (\$)
Total	43,283,551	864,678,936	63,073,315	1,026,563,163	13,105	3,071	9,393	13,835	72,495,425
RES	-	-	-	-	-	-	-	-	-
NON_RES	-	-	-	-	-	-	-	-	-
Residential	11,060,558	220,219,068	14,258,540	162,958,799	9,561	870	2,400	10,290	(49,610,012)
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* (\$)
Total	42,787,508	855,750,159	8,672,271	121,082,621	13,105	3,071	9,285	13,105	(13,786,558)
Clothes Dryer	-	-	-	-	-	-	-	-	-
Clothes Washer	-	-	365,797	4,023,763	-	-	-	-	(42,065,494)
Consumer Electronics	-	-	-	-	-	-	-	-	-
Cooking	-	-	-	-	-	-	-	-	-
Dishwasher	-	-	-	-	-	-	-	-	-
Other Appliance	-	-	-	-	-	-	-	-	-
Office Equipment	-	-	-	-	-	-	-	-	-
Building shell	-	-	2,835,184	14,175,922	-	-	-	-	(11,136,676)
Space Cooling	42,787,508	855,750,159	2,740,278	54,805,564	13,105	3,071	9,285	13,105	28,109,085
Space Heating	-	-	-	-	-	-	-	-	-
Ventilation	-	-	-	-	-	-	-	-	-
Interior Lighting	-	-	-	-	-	-	-	-	-
Exterior Lighting	-	-	-	-	-	-	-	-	-
Daylighting	-	-	-	-	-	-	-	-	-
Motors	-	-	-	-	-	-	-	-	-
Process	-	-	-	-	-	-	-	-	-
Compressed Air	-	-	-	-	-	-	-	-	-
Food Processor	-	-	-	-	-	-	-	-	-
Refrigeration	-	-	-	-	-	-	-	-	-
Freezers	-	-	-	-	-	-	-	-	-
Pumps	-	-	-	-	-	-	-	-	-
Pool Pump	-	-	-	-	-	-	-	-	-
Domestic Hot Water	-	-	2,731,012	48,077,372	-	-	-	-	11,306,527
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* (\$)
Total	43,283,551	864,678,936	63,073,315	1,026,563,163	13,105	3,071	9,393	9,393	72,495,425
6	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-
System	43,283,551	864,678,936	63,073,315	1,026,563,163	13,105	3,071	9,393	9,393	72,495,425

* 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	2,094	981
2010	6,360	1,999
2011	10,819	3,071
2012	13,105	3,071
2013	13,105	3,071

Program Summary	Nominal	Present Value
Proposer Name	SoCalGas	
Program Name	SoCalGas Portfolio	
Total Program Budget (\$)	\$ 454,831,565	\$ 420,044,913
Net Participant Cost (\$)	\$ 8,997,416	\$ 7,723,782
2014	13,105	3,071
2015	13,105	3,071
2016	13,105	3,071

Avoided Cost Version
5/10/2008
5/22/2008
Base Year
2009
SoCal Planner TOU 1d2.xls
6/30/09 10:38

Program Summary	Nominal	Present Value
Proposer Name	SoCalGas	
Program Name	SoCalGas Portfolio	
Total Program Budget (\$)	\$ 454,831,565	\$ 420,044,913
Net Participant Cost (\$)	\$ 8,997,416	\$ 7,723,782

Avoided Cost Version
 5/10/2008
 5/22/2008
 Base Year
 2009
 SoCal Planner TOU 1d2.xls
 6/30/09 10:38

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	245	245	156,866	376,652
May-09	2	245	245	156,866	376,652
June-09	2	1,047	1,047	540,747	376,652
July-09	3	2,094	2,094	1,081,494	753,304
August-09	3	2,094	2,094	1,081,494	753,304
September-09	3	2,094	2,094	1,081,494	753,304
October-09	4	736	736	470,599	1,360,179
November-09	4	736	736	470,599	1,360,179
December-09	4	736	736	470,599	1,360,179
January-10	5	981	981	627,465	1,813,571
February-10	5	981	981	627,465	1,813,571
March-10	5	981	981	627,465	1,813,571
April-10	6	1,236	1,236	790,218	1,896,959
May-10	6	1,236	1,236	790,218	1,896,959
June-10	6	5,274	5,274	2,724,029	1,896,959
July-10	7	6,360	6,360	3,285,070	2,287,309
August-10	7	6,360	6,360	3,285,070	2,287,309
September-10	7	6,360	6,360	3,285,070	2,287,309
October-10	8	1,745	1,745	1,115,725	3,247,700
November-10	8	1,745	1,745	1,115,725	3,247,700
December-10	8	1,745	1,745	1,115,725	3,247,700
January-11	9	1,999	1,999	1,278,478	3,725,743
February-11	9	1,999	1,999	1,278,478	3,725,743
March-11	9	1,999	1,999	1,278,478	3,725,743
April-11	10	2,267	2,267	1,449,794	3,478,366
May-11	10	2,267	2,267	1,449,794	3,478,366
June-11	10	9,675	9,675	4,997,711	3,478,366
July-11	11	10,819	10,819	5,588,271	3,888,722
August-11	11	10,819	10,819	5,588,271	3,888,722
September-11	11	10,819	10,819	5,588,271	3,888,722
October-11	12	2,803	2,803	1,792,427	5,283,526
November-11	12	2,803	2,803	1,792,427	5,283,526
December-11	12	2,803	2,803	1,792,427	5,283,526
January-12	13	3,071	3,071	1,963,743	5,802,787
February-12	13	3,071	3,071	1,963,743	5,802,787
March-12	13	3,071	3,071	1,963,743	5,802,787
April-12	14	3,071	3,071	1,963,743	4,705,353
May-12	14	3,071	3,071	1,963,743	4,705,353
June-12	14	13,105	13,105	6,769,390	4,705,353
July-12	15	13,105	13,105	6,769,390	4,701,275
August-12	15	13,105	13,105	6,769,390	4,701,275
September-12	15	13,105	13,105	6,769,390	4,701,275
October-12	16	3,071	3,071	1,963,743	5,790,551
November-12	16	3,071	3,071	1,963,743	5,790,551
December-12	16	3,071	3,071	1,963,743	5,790,551
January-13	17	3,071	3,071	1,963,743	5,786,472
February-13	17	3,071	3,071	1,963,743	5,786,472
March-13	17	3,071	3,071	1,963,743	5,786,472
April-13	18	3,071	3,071	1,963,743	4,688,885
May-13	18	3,071	3,071	1,963,743	4,688,885
June-13	18	13,105	13,105	6,769,390	4,688,885
July-13	19	13,105	13,105	6,769,390	4,684,653
August-13	19	13,105	13,105	6,769,390	4,684,653
September-13	19	13,105	13,105	6,769,390	4,684,653
October-13	20	3,071	3,071	1,963,743	5,773,777
November-13	20	3,071	3,071	1,963,743	5,773,777
December-13	20	3,071	3,071	1,963,743	5,773,777
January-14	21	3,071	3,071	1,963,743	5,769,545

Program Summary		Nominal	Present Value
Proposer Name	SoCalGas		
Program Name	SoCalGas Portfolio		
Total Program Budget (\$)	\$ 454,831,565	\$	420,044,913
Net Participant Cost (\$)	\$ 8,997,416	\$	7,723,782

Avoided Cost Version
 5/10/2008
 5/22/2008
 Base Year
 2009
 SoCal Planner TOU 1d2.xls
 6/30/09 10:38

February-14	21	3,071	3,071	1,963,743	5,769,545
March-14	21	3,071	3,071	1,963,743	5,769,545
April-14	22	3,071	3,071	1,963,743	4,668,832
May-14	22	3,071	3,071	1,963,743	4,668,832
June-14	22	13,105	13,105	6,769,390	4,668,832
July-14	23	13,105	13,105	6,769,390	4,661,474
August-14	23	13,105	13,105	6,769,390	4,661,474
September-14	23	13,105	13,105	6,769,390	4,661,474
October-14	24	3,071	3,071	1,963,743	5,634,231
November-14	24	3,071	3,071	1,963,743	5,634,231
December-14	24	3,071	3,071	1,963,743	5,634,231
January-15	25	3,071	3,071	1,963,743	5,589,127
February-15	25	3,071	3,071	1,963,743	5,589,127
March-15	25	3,071	3,071	1,963,743	5,589,127
April-15	26	3,071	3,071	1,963,743	4,636,694
May-15	26	3,071	3,071	1,963,743	4,636,694
June-15	26	13,105	13,105	6,769,390	4,636,694
July-15	27	13,105	13,105	6,769,390	4,626,630
August-15	27	13,105	13,105	6,769,390	4,626,630
September-15	27	13,105	13,105	6,769,390	4,626,630
October-15	28	3,071	3,071	1,963,743	5,441,447
November-15	28	3,071	3,071	1,963,743	5,441,447
December-15	28	3,071	3,071	1,963,743	5,441,447