

Appendix A:

Southern California Gas Company

Cost-Effectiveness Requirements

Program Summary	Nominal	Present Value	Avoided Cost Version
Proposer Name	SoCalGas		8/4/2011
Program Name	SoCalGas Core		2/17/2012
Total Program Budget (\$)	\$ 132,996,421	\$ 126,695,390	Base Year
			2013
Net Participant Cost (\$)		\$ 78,336,518	SoCal 2013 v1c3-Draft.xls

	Wtd Annual Net kWh	Lifecycle Net kWh	Wtd Annual Net Therms	Lifecycle Net Therms	Wtd Net Jul-Sept Pk (kW)	Wtd Net Dec-Feb Pk (kW)	Wtd User Entered kW
2013	2,288,062	29,065,045	13,522,210	212,428,553	1,405	1,058	1,405
2014	2,288,062	29,065,045	13,693,933	215,316,464	1,405	1,058	1,405
2013-2014	4,576,123	58,130,090	27,216,143	427,745,017	2,810	2,116	2,810

	Cost	Benefits			Benefit - Cost		B/C Ratio	Notes
		Electric	Gas	Incentives	NPV			
Program TRC (\$)	\$ 205,031,908	\$5,974,762	\$269,343,637	NA	\$70,286,491	1.34	*1	
Program PAC (\$)	\$ 126,695,390	\$5,974,762	\$269,343,637	NA	\$148,623,009	2.17	*1,2	
Program RIM (\$)	\$ 132,534,709	\$5,974,762	\$269,343,637	NA	\$142,783,690	2.08	*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.

	Discounted Savings		Benefit - Cost		
	kWh	Therms	Cost	Benefits	NPV
TRC (\$/kWh)	35,977,915		\$ 0.2197	\$ 0.1661	\$ (0.0536)
PAC (\$/kWh)	35,977,915		\$ 0.1322	\$ 0.1661	\$ 0.0339
RIM (\$/kWh)	35,977,915		\$ 0.0799	\$ 0.1661	\$ 0.0861
TRC (\$/therm)		241,168,670	\$ 0.80	\$ 1.12	\$ 0.3204
PAC (\$/therm)		241,168,670	\$ 0.50	\$ 1.12	\$ 0.6138
RIM (\$/therm)		241,168,670	\$ 0.54	\$ 1.12	\$ 0.5792

Annual Reductions	Electric Reductions			Gas Reductions		
	CO2 (tons)	NOX (lbs)	PM-10 (lbs)	CO2 (tons)	NOX (lbs)	
2013	1,281	347	164	79,105	159,604	* annual reductions are the units implemented in the year, times the annual emission reduction for the measure, weighted for dual baseline.
2014	1,281	347	164	80,110	161,285	
2015	-	-	-	-	-	
2016	-	-	-	-	-	
2017	-	-	-	-	-	
2018	-	-	-	-	-	
2019	-	-	-	-	-	
2020	-	-	-	-	-	
2021	-	-	-	-	-	
2022	-	-	-	-	-	
2023	-	-	-	-	-	
Total Annual	2,562	694	329	159,214	320,890	
Lifecycle Reductions						
2013	16,219	4,420	2,079	1,242,707	2,556,427	
2014	16,219	4,420	2,079	1,259,601	2,584,692	
2015	-	-	-	-	-	
2016	-	-	-	-	-	
2017	-	-	-	-	-	
2018	-	-	-	-	-	
2019	-	-	-	-	-	
2020	-	-	-	-	-	
2021	-	-	-	-	-	
2022	-	-	-	-	-	
2023	-	-	-	-	-	
Total Lifecycle	32,438	8,840	4,158	2,502,308	5,141,119	

	Annual Wtd Avg Net kWh	Lifecycle Net kWh	Annual Wtd Avg Net Therms	Lifecycle Net Therms	Net July-Sept Wtd Avg Peak ** (kW)	Net Wtd Avg Dec-Feb ** (kW)	Wtd Avg User Entered kW	Net Annual NCP (kW)
2013	2,288,062	29,065,045	13,522,210	212,428,553	1,405	1,058	1,405	823
2014	2,288,062	29,065,045	13,693,933	215,316,464	1,405	1,058	1,405	1,647
2015	-	-	-	-	-	-	-	823
2016	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-	-
2019	-	-	-	-	-	-	-	-
2020	-	-	-	-	-	-	-	-
2021	-	-	-	-	-	-	-	-
2022	-	-	-	-	-	-	-	-
2023	-	-	-	-	-	-	-	-
Total	4,576,123	58,130,090	27,216,143	427,745,017	2,810	2,116	2,810	3,293

Program Summary	Nominal	Present Value	Avoided Cost Version
Proposer Name	SoCalGas		8/4/2011
Program Name	SoCalGas Core		2/17/2012
Total Program Budget (\$)	\$ 132,996,421	\$ 126,695,390	Base Year 2013
Net Participant Cost (\$)		\$ 78,336,518	SoCal 2013 v1c3-Draft.xls

	Net July-Sept Peak (kW)	Net Annual Dec-Feb (kW)
2013	703	1,058
2014	2,108	2,116
2015	2,810	2,116
2016	2,810	2,116
2017	2,810	2,116
2018	2,810	2,116
2019	2,810	2,116
2020	2,810	2,116
2021	2,810	2,116
2022	2,810	2,116
2023	2,810	2,116
2024	2,444	1,119

These values are only approximations if there are dual baseline measures in the program

First Year for Impact Table:	2013	These values are only approximations if there are dual baseline measures in the program				
	Quarter	Hour Avg or TOU Peak	Net Monthly NCP (kW)	Monthly Net kWh	Monthly Net Therms	
January-13	1	-	-	-	-	
February-13	1	-	-	-	-	
March-13	1	-	-	-	-	
April-13	2	264	264	39,620	215,669	
May-13	2	264	264	39,620	215,669	
June-13	2	351	412	60,323	215,669	
July-13	3	703	823	120,646	431,338	
August-13	3	703	823	120,646	431,338	
September-13	3	703	823	120,646	431,338	
October-13	4	793	793	118,859	1,049,516	
November-13	4	793	793	118,859	1,049,516	
December-13	4	793	793	118,859	1,049,516	
January-14	5	1,058	1,058	158,478	1,399,273	
February-14	5	1,058	1,058	158,478	1,399,273	
March-14	5	1,058	1,058	158,478	1,399,273	
April-14	6	1,322	1,322	198,098	1,078,345	
May-14	6	1,322	1,322	198,098	1,078,345	
June-14	6	1,756	2,058	301,616	1,078,345	
July-14	7	2,108	2,470	361,939	1,294,014	
August-14	7	2,108	2,470	361,939	1,294,014	
September-14	7	2,108	2,470	361,939	1,294,014	
October-14	8	1,851	1,851	277,337	2,470,010	
November-14	8	1,851	1,851	277,337	2,470,010	
December-14	8	1,851	1,851	277,337	2,470,010	
January-15	9	2,116	2,116	316,957	2,826,923	
February-15	9	2,116	2,116	316,957	2,826,923	
March-15	9	2,116	2,116	316,957	2,826,923	
April-15	10	2,116	2,116	316,957	1,725,352	
May-15	10	2,116	2,116	316,957	1,725,352	
June-15	10	2,810	3,293	482,585	1,725,352	
July-15	11	2,810	3,293	482,585	1,725,352	
August-15	11	2,810	3,293	482,585	1,725,352	
September-15	11	2,810	3,293	482,585	1,725,352	
October-15	12	2,116	2,116	316,957	2,826,923	
November-15	12	2,116	2,116	316,957	2,826,923	
December-15	12	2,116	2,116	316,957	2,826,923	
January-16	13	2,116	2,116	316,957	2,826,923	
February-16	13	2,116	2,116	316,957	2,826,923	
March-16	13	2,116	2,116	316,957	2,826,923	
April-16	14	2,116	2,116	316,957	1,725,301	
May-16	14	2,116	2,116	316,957	1,725,301	
June-16	14	2,810	3,293	482,585	1,725,301	
July-16	15	2,810	3,293	482,585	1,725,249	
August-16	15	2,810	3,293	482,585	1,725,249	
September-16	15	2,810	3,293	482,585	1,725,249	
October-16	16	2,116	2,116	316,957	2,826,768	
November-16	16	2,116	2,116	316,957	2,826,768	
December-16	16	2,116	2,116	316,957	2,826,768	
January-17	17	2,116	2,116	316,957	2,826,717	
February-17	17	2,116	2,116	316,957	2,826,717	
March-17	17	2,116	2,116	316,957	2,826,717	
April-17	18	2,116	2,116	316,957	1,725,095	
May-17	18	2,116	2,116	316,957	1,725,095	
June-17	18	2,810	3,293	482,585	1,725,095	
July-17	19	2,810	3,293	482,585	1,725,044	
August-17	19	2,810	3,293	482,585	1,725,044	
September-17	19	2,810	3,293	482,585	1,725,044	

Program Summary		Nominal		Present Value		Avoided Cost Version	
Proposer Name		SoCalGas				8/4/2011	
Program Name		SoCalGas Core				2/17/2012	
Total Program Budget (\$)		\$ 132,996,421		\$ 126,695,390		Base Year	
Net Participant Cost (\$)				\$ 78,336,518		2013	
						SoCal 2013 v1c3-Draft.xls	
October-17	20	2,116	2,116	316,957	316,957	2,826,563	
November-17	20	2,116	2,116	316,957	316,957	2,826,563	
December-17	20	2,116	2,116	316,957	316,957	2,826,563	
January-18	21	2,116	2,116	316,957	316,957	2,826,512	
February-18	21	2,116	2,116	316,957	316,957	2,826,512	
March-18	21	2,116	2,116	316,957	316,957	2,826,512	
April-18	22	2,116	2,116	316,957	316,957	1,722,554	
May-18	22	2,116	2,116	316,957	316,957	1,722,554	
June-18	22	2,810	3,293	482,585	482,585	1,722,554	
July-18	23	2,810	3,293	482,585	482,585	1,720,167	
August-18	23	2,810	3,293	482,585	482,585	1,720,167	
September-18	23	2,810	3,293	482,585	482,585	1,720,167	
October-18	24	2,116	2,116	316,957	316,957	2,804,940	
November-18	24	2,116	2,116	316,957	316,957	2,804,940	
December-18	24	2,116	2,116	316,957	316,957	2,804,940	
January-19	25	2,116	2,116	316,957	316,957	2,797,750	
February-19	25	2,116	2,116	316,957	316,957	2,797,750	
March-19	25	2,116	2,116	316,957	316,957	2,797,750	
April-19	26	2,116	2,116	316,957	316,957	1,713,004	
May-19	26	2,116	2,116	316,957	316,957	1,713,004	
June-19	26	2,810	3,293	482,585	482,585	1,713,004	
July-19	27	2,810	3,293	482,585	482,585	1,710,613	
August-19	27	2,810	3,293	482,585	482,585	1,710,613	
September-19	27	2,810	3,293	482,585	482,585	1,710,613	
October-19	28	2,116	2,116	316,957	316,957	2,776,168	
November-19	28	2,116	2,116	316,957	316,957	2,776,168	
December-19	28	2,116	2,116	316,957	316,957	2,776,168	
January-20	29	2,116	2,116	316,957	316,957	2,768,815	
February-20	29	2,116	2,116	316,957	316,957	2,768,815	
March-20	29	2,116	2,116	316,957	316,957	2,768,815	
April-20	30	2,116	2,116	316,957	316,957	1,704,305	
May-20	30	2,116	2,116	316,957	316,957	1,704,305	
June-20	30	2,810	3,293	482,585	482,585	1,704,305	
July-20	31	2,810	3,293	482,585	482,585	1,702,937	
August-20	31	2,810	3,293	482,585	482,585	1,702,937	
September-20	31	2,810	3,293	482,585	482,585	1,702,937	
October-20	32	2,116	2,116	316,957	316,957	2,764,709	
November-20	32	2,116	2,116	316,957	316,957	2,764,709	
December-20	32	2,116	2,116	316,957	316,957	2,764,709	
January-21	33	2,116	2,116	316,957	316,957	2,763,341	
February-21	33	2,116	2,116	316,957	316,957	2,763,341	
March-21	33	2,116	2,116	316,957	316,957	2,763,341	
April-21	34	2,116	2,116	316,957	316,957	1,698,835	
May-21	34	2,116	2,116	316,957	316,957	1,698,835	
June-21	34	2,810	3,293	482,585	482,585	1,698,835	
July-21	35	2,810	3,293	482,585	482,585	1,697,470	
August-21	35	2,810	3,293	482,585	482,585	1,697,470	
September-21	35	2,810	3,293	482,585	482,585	1,697,470	
October-21	36	2,116	2,116	316,957	316,957	2,759,246	
November-21	36	2,116	2,116	316,957	316,957	2,759,246	
December-21	36	2,116	2,116	316,957	316,957	2,759,246	
January-22	37	2,116	2,116	316,957	316,957	2,758,041	
February-22	37	2,116	2,116	316,957	316,957	2,758,041	
March-22	37	2,116	2,116	316,957	316,957	2,758,041	
April-22	38	2,116	2,116	316,957	316,957	1,694,899	
May-22	38	2,116	2,116	316,957	316,957	1,694,899	
June-22	38	2,810	3,293	482,585	482,585	1,694,899	
July-22	39	2,810	3,293	482,585	482,585	1,694,899	
August-22	39	2,810	3,293	482,585	482,585	1,694,899	
September-22	39	2,810	3,293	482,585	482,585	1,694,899	
October-22	40	2,116	2,116	316,957	316,957	2,758,041	
November-22	40	2,116	2,116	316,957	316,957	2,758,041	
December-22	40	2,116	2,116	316,957	316,957	2,758,041	
January-23	41	2,116	2,116	316,957	316,957	2,758,041	
February-23	41	2,116	2,116	316,957	316,957	2,758,041	
March-23	41	2,116	2,116	316,957	316,957	2,758,041	
April-23	42	2,116	2,116	316,957	316,957	1,690,568	
May-23	42	2,116	2,116	316,957	316,957	1,690,568	
June-23	42	2,810	3,293	482,585	482,585	1,690,568	
July-23	43	2,810	3,293	482,585	482,585	1,686,236	
August-23	43	2,810	3,293	482,585	482,585	1,686,236	
September-23	43	2,810	3,293	482,585	482,585	1,686,236	
October-23	44	2,116	2,116	316,957	316,957	2,650,605	
November-23	44	2,116	2,116	316,957	316,957	2,650,605	
December-23	44	2,116	2,116	316,957	316,957	2,650,605	

	Wtd Annual Gross kWh		Wtd Annual Lifecycle Gross kWh		Wtd Annual Lifecycle Gross Therm		Wtd User Entered kW	
2013	6,778,166	82,958,613	25,478,163	397,457,788	3,659			
2014	6,778,166	82,958,613	25,949,649	405,338,392	3,659			
2013-2014	13,556,332	165,917,226	51,427,813	802,796,180	7,318			

Annual Reductions	Electric Reductions			Gas Reductions		* annual reductions are the units implemented in the year, times the annual emission reduction for the measure, weighted for split baseline performance
	CO2 (tons)	NOX (lbs)	PM-10 (lbs)	CO2 (tons)	NOX (lbs)	
2013	3,815	1,030	490	149,047	299,589	
2014	3,815	1,030	490	151,805	304,144	
2015	-	-	-	-	-	
2016	-	-	-	-	-	
2017	-	-	-	-	-	
2018	-	-	-	-	-	
2019	-	-	-	-	-	
2020	-	-	-	-	-	
2021	-	-	-	-	-	
2022	-	-	-	-	-	
2023	-	-	-	-	-	
Total Annual	7,629	2,061	980	300,853	603,733	
Lifecycle Reductions						
2013	46,623	12,650	5,983	2,330,661	4,782,880	
2014	46,623	12,650	5,983	2,376,762	4,859,007	
2015	-	-	-	-	-	
2016	-	-	-	-	-	
2017	-	-	-	-	-	
2018	-	-	-	-	-	
2019	-	-	-	-	-	
2020	-	-	-	-	-	
2021	-	-	-	-	-	
2022	-	-	-	-	-	
2023	-	-	-	-	-	
Total Lifecycle	93,246	25,300	11,967	4,707,423	9,641,887	

	Wtd Avg Annual Gross kWh	Wtd Avg Lifecycle Gross kWh	Wtd Avg Annual Gross Therm	Wtd Avg Lifecycle Gross Therm	Wtd Avg User Entered kW
2013	6,778,166	82,958,613	25,478,163	397,457,788	3,659
2014	6,778,166	82,958,613	25,949,649	405,338,392	3,659
2015	-	-	-	-	-
2016	-	-	-	-	-
2017	-	-	-	-	-
2018	-	-	-	-	-
2019	-	-	-	-	-
2020	-	-	-	-	-
2021	-	-	-	-	-
2022	-	-	-	-	-
2023	-	-	-	-	-
Total	13,556,332	165,917,226	51,427,813	802,796,180	7,318

	1st Year Annual Savings	Decay of single or first baseline	2nd Baseline Savings	2nd Baseline Decay	Total Cumulative	Net Annual Savings
	kWh	kWh	kWh	kWh	kWh	kWh
2013	6,778,166		-	-	6,778,166	6,778,166
2014	13,556,332	0	-	-	13,556,332	6,778,166
2015	13,556,332	0	-	-	13,556,332	-
2016	13,556,332	0	-	-	13,556,332	-
2017	13,556,332	0	-	-	13,556,332	-
2018	13,556,332	0	-	-	13,556,332	-
2019	13,556,332	0	-	-	13,556,332	-
2020	13,556,332	0	-	-	13,556,332	-
2021	13,556,332	0	-	-	13,556,332	-
2022	13,556,332	0	-	-	13,556,332	-

	1st Year Annual Savings	Decay of single or first baseline	2nd Baseline Savings	2nd Baseline Decay	Total Cumulative	Net Annual Savings
	kW	kW	kW	kW	kW	kW
2013	3,659		-	-	3,659	3,659
2014	7,318	0	-	-	7,318	3,659
2015	7,318	0	-	-	7,318	-
2016	7,318	0	-	-	7,318	-
2017	7,318	0	-	-	7,318	-
2018	7,318	0	-	-	7,318	-
2019	7,318	0	-	-	7,318	-
2020	7,318	0	-	-	7,318	-
2021	7,318	0	-	-	7,318	-
2022	7,318	0	-	-	7,318	-

	1st Year Annual Savings	Decay of single or first baseline	2nd Baseline Savings	2nd Baseline Decay	Total Cumulative	Net Annual Savings
	Therms	Therms	Therms	Therms	Therms	Therms
2013	25,570,215		-	-	25,570,215	25,570,215
2014	51,611,916	0	-	-	51,611,916	26,041,701
2015	51,611,916	0	-	-	51,611,916	-
2016	51,611,916	-2567.375	-	-	51,609,349	(2,567)
2017	51,611,916	-6675.175	-	-	51,605,241	(4,108)
2018	51,611,916	-293905.4325	26,456	-	51,344,467	(260,774)
2019	51,611,916	-752087.8395	69,018	-	50,928,846	(415,620)
2020	51,611,916	-996110.514	87,914	-	50,703,719	(225,127)
2021	51,611,916	-1106599.439	91,401	-	50,596,718	(107,002)
2022	51,611,916	-1145558.264	92,098	-	50,558,456	(38,261)

Program Summary	Nominal	Present Value
Proposer Name	SoCal Gas	
Program Name	SoCalGas Partnerships	
Total Program Budget (\$)	\$ 9,525,433	\$ 9,198,102
Net Participant Cost (\$)		\$ -

Avoided Cost Version
8/4/2011
2/17/2012
Base Year
2013
SoCal 2013 v1c3-Draft.xls

Program Impacts							
	Wtd Annual Net kWh	Lifecycle Net kWh	Wtd Annual Net Therms	Lifecycle Net Therms	Wtd Net Jul-Sept Pk (kW)	Wtd Net Dec-Feb Pk (kW)	Wtd User Entered kW
2013	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-
2013-2014	-	-	-	-	-	-	-

Cost Effectiveness (Lifecycle Present Value Dollars)								
	Cost		Benefits			Benefit - Cost		
		Electric	Gas	Incentives	NPV	B/C Ratio	Notes	
Program TRC (\$)	\$ 9,198,102	\$0	\$0	NA	(\$9,198,102)	-	*1	
Program PAC (\$)	\$ 9,198,102	\$0	\$0	NA	(\$9,198,102)	-	*1,2	
Program RIM (\$)	\$ 9,198,102	\$0	\$0	NA	(\$9,198,102)	-	*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 2023)					
	Discounted Savings			Benefit - Cost	
	kWh	Therms	Cost	Benefits	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!

Wtd Avg Emissions Reductions						
	Electric Reductions			Gas Reductions		
	CO2 (tons)	NOX (lbs)	PM-10 (lbs)	CO2 (tons)	NOX (lbs)	
2013	-	-	-	-	-	* annual reductions are the units implemented in the year, times the annual emission reduction for the measure, weighted for dual baseline.
2014	-	-	-	-	-	
2015	-	-	-	-	-	
2016	-	-	-	-	-	
2017	-	-	-	-	-	
2018	-	-	-	-	-	
2019	-	-	-	-	-	
2020	-	-	-	-	-	
2021	-	-	-	-	-	
2022	-	-	-	-	-	
2023	-	-	-	-	-	
Total Annual	-	-	-	-	-	
Lifecycle Reductions						
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
2016	-	-	-	-	-	
2017	-	-	-	-	-	
2018	-	-	-	-	-	
2019	-	-	-	-	-	
2020	-	-	-	-	-	
2021	-	-	-	-	-	
2022	-	-	-	-	-	
2023	-	-	-	-	-	
Total Lifecycle	-	-	-	-	-	

Reductions based on total annual installations								
	Annual Wtd Avg Net kWh	Lifecycle Net kWh	Annual Wtd Avg Net Therms	Lifecycle Net Therms	Net July-Sept Wtd Avg Peak ** (kW)	Net Wtd Avg Dec-Feb ** (kW)	Wtd Avg User Entered kW	Net Annual NCP (kW)
2013	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-	-
2019	-	-	-	-	-	-	-	-
2020	-	-	-	-	-	-	-	-
2021	-	-	-	-	-	-	-	-
2022	-	-	-	-	-	-	-	-
2023	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-

Program Summary	Nominal	Present Value
Proposer Name	SoCal Gas	
Program Name	SoCalGas Partnerships	
Total Program Budget (\$)	\$ 9,525,433	\$ 9,198,102
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)
2013	-	-
2014	-	-
2015	-	-
2016	-	-
2017	-	-
2018	-	-
2019	-	-
2020	-	-
2021	-	-
2022	-	-
2023	-	-
2024	-	-

These values are only approximations if there are dual baseline measures in the program

Monthly Impacts						
First Year for Impact Table:	2013	These values are only approximations if there are dual baseline measures in the program				
	Quarter	Hour Avg or TOU Peak	Net Monthly NCP (kW)	Monthly Net kWh	Monthly Net Therms	
January-13	1	-	-	-	-	-
February-13	1	-	-	-	-	-
March-13	1	-	-	-	-	-
April-13	2	-	-	-	-	-
May-13	2	-	-	-	-	-
June-13	2	-	-	-	-	-
July-13	3	-	-	-	-	-
August-13	3	-	-	-	-	-
September-13	3	-	-	-	-	-
October-13	4	-	-	-	-	-
November-13	4	-	-	-	-	-
December-13	4	-	-	-	-	-
January-14	5	-	-	-	-	-
February-14	5	-	-	-	-	-
March-14	5	-	-	-	-	-
April-14	6	-	-	-	-	-
May-14	6	-	-	-	-	-
June-14	6	-	-	-	-	-
July-14	7	-	-	-	-	-
August-14	7	-	-	-	-	-
September-14	7	-	-	-	-	-
October-14	8	-	-	-	-	-
November-14	8	-	-	-	-	-
December-14	8	-	-	-	-	-
January-15	9	-	-	-	-	-
February-15	9	-	-	-	-	-
March-15	9	-	-	-	-	-
April-15	10	-	-	-	-	-
May-15	10	-	-	-	-	-
June-15	10	-	-	-	-	-
July-15	11	-	-	-	-	-
August-15	11	-	-	-	-	-
September-15	11	-	-	-	-	-
October-15	12	-	-	-	-	-
November-15	12	-	-	-	-	-
December-15	12	-	-	-	-	-
January-16	13	-	-	-	-	-
February-16	13	-	-	-	-	-
March-16	13	-	-	-	-	-
April-16	14	-	-	-	-	-
May-16	14	-	-	-	-	-
June-16	14	-	-	-	-	-
July-16	15	-	-	-	-	-
August-16	15	-	-	-	-	-
September-16	15	-	-	-	-	-
October-16	16	-	-	-	-	-
November-16	16	-	-	-	-	-
December-16	16	-	-	-	-	-
January-17	17	-	-	-	-	-
February-17	17	-	-	-	-	-
March-17	17	-	-	-	-	-
April-17	18	-	-	-	-	-
May-17	18	-	-	-	-	-
June-17	18	-	-	-	-	-
July-17	19	-	-	-	-	-
August-17	19	-	-	-	-	-

Program Summary	Nominal	Present Value
Proposer Name	SoCal Gas	
Program Name	SoCalGas Partnerships	
Total Program Budget (\$)	\$ 9,525,433	\$ 9,198,102
Net Participant Cost (\$)		\$ -

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September-17	19	-	-	-	-
October-17	20	-	-	-	-
November-17	20	-	-	-	-
December-17	20	-	-	-	-
January-18	21	-	-	-	-
February-18	21	-	-	-	-
March-18	21	-	-	-	-
April-18	22	-	-	-	-
May-18	22	-	-	-	-
June-18	22	-	-	-	-
July-18	23	-	-	-	-
August-18	23	-	-	-	-
September-18	23	-	-	-	-
October-18	24	-	-	-	-
November-18	24	-	-	-	-
December-18	24	-	-	-	-
January-19	25	-	-	-	-
February-19	25	-	-	-	-
March-19	25	-	-	-	-
April-19	26	-	-	-	-
May-19	26	-	-	-	-
June-19	26	-	-	-	-
July-19	27	-	-	-	-
August-19	27	-	-	-	-
September-19	27	-	-	-	-
October-19	28	-	-	-	-
November-19	28	-	-	-	-
December-19	28	-	-	-	-
January-20	29	-	-	-	-
February-20	29	-	-	-	-
March-20	29	-	-	-	-
April-20	30	-	-	-	-
May-20	30	-	-	-	-
June-20	30	-	-	-	-
July-20	31	-	-	-	-
August-20	31	-	-	-	-
September-20	31	-	-	-	-
October-20	32	-	-	-	-
November-20	32	-	-	-	-
December-20	32	-	-	-	-
January-21	33	-	-	-	-
February-21	33	-	-	-	-
March-21	33	-	-	-	-
April-21	34	-	-	-	-
May-21	34	-	-	-	-
June-21	34	-	-	-	-
July-21	35	-	-	-	-
August-21	35	-	-	-	-
September-21	35	-	-	-	-
October-21	36	-	-	-	-
November-21	36	-	-	-	-
December-21	36	-	-	-	-
January-22	37	-	-	-	-
February-22	37	-	-	-	-
March-22	37	-	-	-	-
April-22	38	-	-	-	-
May-22	38	-	-	-	-
June-22	38	-	-	-	-
July-22	39	-	-	-	-
August-22	39	-	-	-	-
September-22	39	-	-	-	-
October-22	40	-	-	-	-
November-22	40	-	-	-	-
December-22	40	-	-	-	-
January-23	41	-	-	-	-
February-23	41	-	-	-	-
March-23	41	-	-	-	-
April-23	42	-	-	-	-
May-23	42	-	-	-	-
June-23	42	-	-	-	-
July-23	43	-	-	-	-
August-23	43	-	-	-	-
September-23	43	-	-	-	-
October-23	44	-	-	-	-
November-23	44	-	-	-	-
December-23	44	-	-	-	-

Program Summary	Nominal	Present Value
Proposer Name	SoCal Gas	
Program Name	SoCalGas Partnerships	
Total Program Budget (\$)	\$ 9,525,433	\$ 9,198,102
Net Participant Cost (\$)		\$ -

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Program Impacts (Gross)					
	Wtd Annual Gross kWh	Lifecycle Gross kWh	Wtd Annual Gross Therms	Lifecycle Gross Therms	Wtd User Entered kW
2013	-	-	-	-	-
2014	-	-	-	-	-
2013-2014	-	-	-	-	-

Wtd Avg Emissions Reductions (Gross)					
Annual Reductions	Electric Reductions			Gas Reductions	
	CO2 (tons)	NOX (lbs)	PM-10 (lbs)	CO2 (tons)	NOX (lbs)
2013	-	-	-	-	-
2014	-	-	-	-	-
2015	-	-	-	-	-
2016	-	-	-	-	-
2017	-	-	-	-	-
2018	-	-	-	-	-
2019	-	-	-	-	-
2020	-	-	-	-	-
2021	-	-	-	-	-
2022	-	-	-	-	-
2023	-	-	-	-	-
Total Annual	-	-	-	-	-
Lifecycle Reductions					
2013	-	-	-	-	-
2014	-	-	-	-	-
2015	-	-	-	-	-
2016	-	-	-	-	-
2017	-	-	-	-	-
2018	-	-	-	-	-
2019	-	-	-	-	-
2020	-	-	-	-	-
2021	-	-	-	-	-
2022	-	-	-	-	-
2023	-	-	-	-	-
Total Lifecycle	-	-	-	-	-

* annual reductions are the units implemented in the year, times the annual emission reduction for the measure, weighted for split baseline performance

Wtd Avg Reductions based on total annual installations (Gross)					
	Wtd Avg Annual Gross kWh	Wtd Avg Lifecycle Gross kWh	Wtd Avg Annual Gross Therms	Wtd Avg Lifecycle Gross Therms	Wtd Avg User Entered kW
2013	-	-	-	-	-
2014	-	-	-	-	-
2015	-	-	-	-	-
2016	-	-	-	-	-
2017	-	-	-	-	-
2018	-	-	-	-	-
2019	-	-	-	-	-
2020	-	-	-	-	-
2021	-	-	-	-	-
2022	-	-	-	-	-
2023	-	-	-	-	-
Total	-	-	-	-	-

Program Summary	Nominal	Present Value
Proposer Name	SoCal Gas	
Program Name	SoCalGas Partnerships	
Total Program Budget (\$)	\$ 9,525,433	\$ 9,198,102
Net Participant Cost (\$)		\$ -

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Gross Savings for Goal Attainment - kWh						
	1st Year Annual Savings	Decay of single or first baseline	2nd Baseline Savings	2nd Baseline Decay	Total Cumulative	Net Annual Savings
	kWh	kWh	kWh	kWh	kWh	kWh
2013	-					-
2014	-	0				-
2015	-	0				-
2016	-	0				-
2017	-	0				-
2018	-	0				-
2019	-	0				-
2020	-	0				-
2021	-	0				-
2022	-	0				-

Gross Savings for Goal Attainment - kW						
	1st Year Annual Savings	Decay of single or first baseline	2nd Baseline Savings	2nd Baseline Decay	Total Cumulative	Net Annual Savings
	kW	kW	kW	kW	kW	kW
2013	-					-
2014	-	0				-
2015	-	0				-
2016	-	0				-
2017	-	0				-
2018	-	0				-
2019	-	0				-
2020	-	0				-
2021	-	0				-
2022	-	0				-

Gross Savings for Goal Attainment - Therms						
	1st Year Annual Savings	Decay of single or first baseline	2nd Baseline Savings	2nd Baseline Decay	Total Cumulative	Net Annual Savings
	Therms	Therms	Therms	Therms	Therms	Therms
2013	-					-
2014	-	0				-
2015	-	0				-
2016	-	0				-
2017	-	0				-
2018	-	0				-
2019	-	0				-
2020	-	0				-
2021	-	0				-
2022	-	0				-

Program Summary	Nominal	Present Value
Proposer Name	SoCal Gas	
Program Name	SoCalGas 3rd Party Programs	
Total Program Budget (\$)	\$ 37,440,771	\$ 35,514,738
Net Participant Cost (\$)		\$ 1,229,433

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Program Impacts							
	Wtd Annual Net kWh	Lifecycle Net kWh	Wtd Annual Net Therms	Lifecycle Net Therms	Wtd Net Jul-Sept Pk (kW)	Wtd Net Dec-Feb Pk (kW)	Wtd User Entered kW
2013	-	-	2,053,107	25,311,258	-	-	-
2014	-	-	2,053,107	25,311,258	-	-	-
2013-2014	-	-	4,106,214	50,622,517	-	-	-

Cost Effectiveness (Lifecycle Present Value Dollars)							
	Cost	Electric	Benefits		Benefit - Cost		Notes
			Gas	Incentives	NPV	B/C Ratio	
Program TRC (\$)	\$ 36,744,171	\$0	\$33,286,536	NA	(\$3,457,635)	0.91	*1
Program PAC (\$)	\$ 35,514,738	\$0	\$33,286,536	NA	(\$2,228,203)	0.94	*1,2
Program RIM (\$)	\$ 35,514,738	\$0	\$33,286,536	NA	(\$2,228,203)	0.94	*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 2023)					
	Discounted Savings		Benefit - Cost		
	kWh	Therms	Cost	Benefits	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)		31,401,651	\$ 1.17	\$ 1.06	\$ (0.1101)
PAC (\$/therm)		31,401,651	\$ 1.13	\$ 1.06	\$ (0.0710)
RIM (\$/therm)		31,401,651	\$ 1.13	\$ 1.06	\$ (0.0710)

Wtd Avg Emissions Reductions						
Annual Reductions	Electric Reductions			Gas Reductions		
	CO2 (tons)	NOX (lbs)	PM-10 (lbs)	CO2 (tons)	NOX (lbs)	
2013	-	-	-	12,011	18,661	* annual reductions are the units implemented in the year, times the annual emission reduction for the measure, weighted for dual baseline.
2014	-	-	-	12,011	18,661	
2015	-	-	-	-	-	
2016	-	-	-	-	-	
2017	-	-	-	-	-	
2018	-	-	-	-	-	
2019	-	-	-	-	-	
2020	-	-	-	-	-	
2021	-	-	-	-	-	
2022	-	-	-	-	-	
2023	-	-	-	-	-	
Total Annual	-	-	-	24,021	37,323	
Lifecycle Reductions						
2013	-	-	-	148,071	223,378	
2014	-	-	-	148,071	223,378	
2015	-	-	-	-	-	
2016	-	-	-	-	-	
2017	-	-	-	-	-	
2018	-	-	-	-	-	
2019	-	-	-	-	-	
2020	-	-	-	-	-	
2021	-	-	-	-	-	
2022	-	-	-	-	-	
2023	-	-	-	-	-	
Total Lifecycle	-	-	-	296,142	446,756	

Reductions based on total annual installations								
	Annual Wtd Avg Net kWh	Lifecycle Net kWh	Annual Wtd Avg Net Therms	Lifecycle Net Therms	Net July-Sept Wtd Avg Peak ** (kW)	Net Wtd Avg Dec-Feb ** (kW)	Wtd Avg User Entered kW	Net Annual NCP (kW)
2013	-	-	2,053,107	25,311,258	-	-	-	-
2014	-	-	2,053,107	25,311,258	-	-	-	-
2015	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-	-
2019	-	-	-	-	-	-	-	-
2020	-	-	-	-	-	-	-	-
2021	-	-	-	-	-	-	-	-
2022	-	-	-	-	-	-	-	-
2023	-	-	-	-	-	-	-	-
Total	-	-	4,106,214	50,622,517	-	-	-	-

Program Summary	Nominal	Present Value
Proposer Name	SoCal Gas	
Program Name	SoCalGas 3rd Party Programs	
Total Program Budget (\$)	\$ 37,440,771	\$ 35,514,738
Net Participant Cost (\$)		\$ 1,229,433

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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)
2013	-	-
2014	-	-
2015	-	-
2016	-	-
2017	-	-
2018	-	-
2019	-	-
2020	-	-
2021	-	-
2022	-	-
2023	-	-
2024	-	-

These values are only approximations if there are dual baseline measures in the program

Monthly Impacts						
First Year for Impact Table:	2013	These values are only approximations if there are dual baseline measures in the program				
	Quarter	Hour Avg or TOU Peak	Net Monthly NCP (kW)	Monthly Net kWh	Monthly Net Therms	
January-13	1	-	-	-	-	-
February-13	1	-	-	-	-	-
March-13	1	-	-	-	-	-
April-13	2	-	-	-	-	39,398
May-13	2	-	-	-	-	39,398
June-13	2	-	-	-	-	39,398
July-13	3	-	-	-	-	78,796
August-13	3	-	-	-	-	78,796
September-13	3	-	-	-	-	78,796
October-13	4	-	-	-	-	138,444
November-13	4	-	-	-	-	138,444
December-13	4	-	-	-	-	138,444
January-14	5	-	-	-	-	184,592
February-14	5	-	-	-	-	184,592
March-14	5	-	-	-	-	184,592
April-14	6	-	-	-	-	196,991
May-14	6	-	-	-	-	196,991
June-14	6	-	-	-	-	196,991
July-14	7	-	-	-	-	236,389
August-14	7	-	-	-	-	236,389
September-14	7	-	-	-	-	236,389
October-14	8	-	-	-	-	323,036
November-14	8	-	-	-	-	323,036
December-14	8	-	-	-	-	323,036
January-15	9	-	-	-	-	369,184
February-15	9	-	-	-	-	369,184
March-15	9	-	-	-	-	369,184
April-15	10	-	-	-	-	315,185
May-15	10	-	-	-	-	315,185
June-15	10	-	-	-	-	315,185
July-15	11	-	-	-	-	315,185
August-15	11	-	-	-	-	315,185
September-15	11	-	-	-	-	315,185
October-15	12	-	-	-	-	369,184
November-15	12	-	-	-	-	369,184
December-15	12	-	-	-	-	369,184
January-16	13	-	-	-	-	369,184
February-16	13	-	-	-	-	369,184
March-16	13	-	-	-	-	369,184
April-16	14	-	-	-	-	315,185
May-16	14	-	-	-	-	315,185
June-16	14	-	-	-	-	315,185
July-16	15	-	-	-	-	315,185
August-16	15	-	-	-	-	315,185
September-16	15	-	-	-	-	315,185
October-16	16	-	-	-	-	369,184
November-16	16	-	-	-	-	369,184
December-16	16	-	-	-	-	369,184
January-17	17	-	-	-	-	369,184
February-17	17	-	-	-	-	369,184
March-17	17	-	-	-	-	369,184
April-17	18	-	-	-	-	315,185
May-17	18	-	-	-	-	315,185
June-17	18	-	-	-	-	315,185
July-17	19	-	-	-	-	315,185
August-17	19	-	-	-	-	315,185

Program Summary	Nominal	Present Value
Proposer Name	SoCal Gas	
Program Name	SoCalGas 3rd Party Programs	
Total Program Budget (\$)	\$ 37,440,771	\$ 35,514,738
Net Participant Cost (\$)		\$ 1,229,433

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September-17	19	-	-	-	315,185
October-17	20	-	-	-	369,184
November-17	20	-	-	-	369,184
December-17	20	-	-	-	369,184
January-18	21	-	-	-	369,184
February-18	21	-	-	-	369,184
March-18	21	-	-	-	369,184
April-18	22	-	-	-	315,185
May-18	22	-	-	-	315,185
June-18	22	-	-	-	315,185
July-18	23	-	-	-	315,185
August-18	23	-	-	-	315,185
September-18	23	-	-	-	315,185
October-18	24	-	-	-	369,184
November-18	24	-	-	-	369,184
December-18	24	-	-	-	369,184
January-19	25	-	-	-	369,184
February-19	25	-	-	-	369,184
March-19	25	-	-	-	369,184
April-19	26	-	-	-	315,185
May-19	26	-	-	-	315,185
June-19	26	-	-	-	315,185
July-19	27	-	-	-	315,185
August-19	27	-	-	-	315,185
September-19	27	-	-	-	315,185
October-19	28	-	-	-	369,184
November-19	28	-	-	-	369,184
December-19	28	-	-	-	369,184
January-20	29	-	-	-	369,184
February-20	29	-	-	-	369,184
March-20	29	-	-	-	369,184
April-20	30	-	-	-	311,748
May-20	30	-	-	-	311,748
June-20	30	-	-	-	311,748
July-20	31	-	-	-	308,310
August-20	31	-	-	-	308,310
September-20	31	-	-	-	308,310
October-20	32	-	-	-	358,871
November-20	32	-	-	-	358,871
December-20	32	-	-	-	358,871
January-21	33	-	-	-	355,434
February-21	33	-	-	-	355,434
March-21	33	-	-	-	355,434
April-21	34	-	-	-	297,998
May-21	34	-	-	-	297,998
June-21	34	-	-	-	297,998
July-21	35	-	-	-	294,560
August-21	35	-	-	-	294,560
September-21	35	-	-	-	294,560
October-21	36	-	-	-	345,121
November-21	36	-	-	-	345,121
December-21	36	-	-	-	345,121
January-22	37	-	-	-	341,684
February-22	37	-	-	-	341,684
March-22	37	-	-	-	341,684
April-22	38	-	-	-	287,685
May-22	38	-	-	-	287,685
June-22	38	-	-	-	287,685
July-22	39	-	-	-	287,685
August-22	39	-	-	-	287,685
September-22	39	-	-	-	287,685
October-22	40	-	-	-	341,684
November-22	40	-	-	-	341,684
December-22	40	-	-	-	341,684
January-23	41	-	-	-	341,684
February-23	41	-	-	-	341,684
March-23	41	-	-	-	341,684
April-23	42	-	-	-	265,123
May-23	42	-	-	-	265,123
June-23	42	-	-	-	265,123
July-23	43	-	-	-	242,560
August-23	43	-	-	-	242,560
September-23	43	-	-	-	242,560
October-23	44	-	-	-	273,996
November-23	44	-	-	-	273,996
December-23	44	-	-	-	273,996

Program Summary	Nominal	Present Value
Proposer Name	SoCal Gas	
Program Name	SoCalGas 3rd Party Programs	
Total Program Budget (\$)	\$ 37,440,771	\$ 35,514,738
Net Participant Cost (\$)		\$ 1,229,433

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Program Impacts (Gross)					
	Wtd Annual Gross		Wtd Annual	Lifecycle	Wtd User
	kWh	Lifecycle Gross kWh	Gross Therms	Gross Therms	Entered kW
2013	-	-	3,565,940	44,659,176	-
2014	-	-	3,565,940	44,659,176	-
2013-2014	-	-	7,131,880	89,318,353	-

Wtd Avg Emissions Reductions (Gross)						
Annual Reductions	Electric Reductions			Gas Reductions		
	CO2 (tons)	NOX (lbs)	PM-10 (lbs)	CO2 (tons)	NOX (lbs)	
2013	-	-	-	20,861	32,412	* annual reductions are the units implemented in the year, times the annual emission reduction for the measure, weighted for split baseline performance
2014	-	-	-	20,861	32,412	
2015	-	-	-	-	-	
2016	-	-	-	-	-	
2017	-	-	-	-	-	
2018	-	-	-	-	-	
2019	-	-	-	-	-	
2020	-	-	-	-	-	
2021	-	-	-	-	-	
2022	-	-	-	-	-	
2023	-	-	-	-	-	
Total Annual	-	-	-	41,721	64,824	
Lifecycle Reductions						
2013	-	-	-	261,256	393,988	
2014	-	-	-	261,256	393,988	
2015	-	-	-	-	-	
2016	-	-	-	-	-	
2017	-	-	-	-	-	
2018	-	-	-	-	-	
2019	-	-	-	-	-	
2020	-	-	-	-	-	
2021	-	-	-	-	-	
2022	-	-	-	-	-	
2023	-	-	-	-	-	
Total Lifecycle	-	-	-	522,512	787,976	

Wtd Avg Reductions based on total annual installations (Gross)					
	Wtd Avg Annual	Wtd Avg Lifecycle	Wtd Avg	Wtd Avg	Wtd Avg User
	Gross kWh	Gross kWh	Annual Gross Therms	Lifecycle Gross Therms	Entered kW
2013	-	-	3,565,940	44,659,176	-
2014	-	-	3,565,940	44,659,176	-
2015	-	-	-	-	-
2016	-	-	-	-	-
2017	-	-	-	-	-
2018	-	-	-	-	-
2019	-	-	-	-	-
2020	-	-	-	-	-
2021	-	-	-	-	-
2022	-	-	-	-	-
2023	-	-	-	-	-
Total	-	-	7,131,880	89,318,353	-

Program Summary	Nominal	Present Value
Proposer Name	SoCal Gas	
Program Name	SoCalGas 3rd Party Programs	
Total Program Budget (\$)	\$ 37,440,771	\$ 35,514,738
Net Participant Cost (\$)		\$ 1,229,433

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Gross Savings for Goal Attainment - kWh						
	1st Year Annual Savings	Decay of single or first baseline	2nd Baseline Savings	2nd Baseline Decay	Total Cumulative	Net Annual Savings
	kWh	kWh	kWh	kWh	kWh	kWh
2013	-		-	-	-	-
2014	-	0	-	-	-	-
2015	-	0	-	-	-	-
2016	-	0	-	-	-	-
2017	-	0	-	-	-	-
2018	-	0	-	-	-	-
2019	-	0	-	-	-	-
2020	-	0	-	-	-	-
2021	-	0	-	-	-	-
2022	-	0	-	-	-	-

Gross Savings for Goal Attainment - kW						
	1st Year Annual Savings	Decay of single or first baseline	2nd Baseline Savings	2nd Baseline Decay	Total Cumulative	Net Annual Savings
	kW	kW	kW	kW	kW	kW
2013	-		-	-	-	-
2014	-	0	-	-	-	-
2015	-	0	-	-	-	-
2016	-	0	-	-	-	-
2017	-	0	-	-	-	-
2018	-	0	-	-	-	-
2019	-	0	-	-	-	-
2020	-	0	-	-	-	-
2021	-	0	-	-	-	-
2022	-	0	-	-	-	-

Gross Savings for Goal Attainment - Therms						
	1st Year Annual Savings	Decay of single or first baseline	2nd Baseline Savings	2nd Baseline Decay	Total Cumulative	Net Annual Savings
	Therms	Therms	Therms	Therms	Therms	Therms
2013	3,565,940		-	-	3,565,940	3,565,940
2014	7,131,880	0	-	-	7,131,880	3,565,940
2015	7,131,880	0	-	-	7,131,880	-
2016	7,131,880	0	-	-	7,131,880	-
2017	7,131,880	0	-	-	7,131,880	-
2018	7,131,880	0	-	-	7,131,880	-
2019	7,131,880	0	-	-	7,131,880	-
2020	7,131,880	-187500	-	-	6,944,380	(187,500)
2021	7,131,880	-487500	-	-	6,644,380	(300,000)
2022	7,131,880	-600000	-	-	6,531,880	(112,500)

Program Summary	Nominal	Present Value
Proposer Name	SoCalGas	
Program Name	SoCalGas Portfolio	
Total Program Budget (\$)	\$ 179,962,626	\$ 171,411,191
Net Participant Cost (\$)		\$ 79,565,950

Avoided Cost Version
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Base Year
2013
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Program Impacts							
	Wtd Annual Net kWh	Lifecycle Net kWh	Wtd Annual Net Therms	Lifecycle Net Therms	Wtd Net Jul-Sept Pk (kW)	Wtd Net Dec-Feb Pk (kW)	Wtd User Entered kW
2013	2,288,062	29,065,045	15,575,317	237,739,811	1,405	1,058	1,405
2014	2,288,062	29,065,045	15,747,041	240,627,722	1,405	1,058	1,405
2013-2014	4,576,123	58,130,090	31,322,358	478,367,533	2,810	2,116	2,810

Cost Effectiveness (Lifecycle Present Value Dollars)							
	Cost	Electric	Gas	Incentives	Benefit - Cost NPV	B/C Ratio	Notes
Program TRC (\$)	\$ 250,977,141	\$5,974,762	\$302,630,173	NA	\$57,627,794	1.23	*1
Program PAC (\$)	\$ 171,411,191	\$5,974,762	\$302,630,173	NA	\$137,193,744	1.80	*1,2
Program RIM (\$)	\$ 177,250,509	\$5,974,762	\$302,630,173	NA	\$131,354,425	1.74	*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 2023)							
	Discounted Savings			Benefit - Cost			
	kWh	Therms	Cost	Benefits	NPV		
TRC (\$/kWh)	35,977,915		\$ 0.2306	\$ 0.1661	\$ (0.0645)		
PAC (\$/kWh)	35,977,915		\$ 0.1431	\$ 0.1661	\$ 0.0230		
RIM (\$/kWh)	35,977,915		\$ 0.0954	\$ 0.1661	\$ 0.0707		
TRC (\$/therm)		272,570,321	\$ 0.87	\$ 1.11	\$ 0.2385		
PAC (\$/therm)		272,570,321	\$ 0.61	\$ 1.11	\$ 0.5026		
RIM (\$/therm)		272,570,321	\$ 0.64	\$ 1.11	\$ 0.4726		

Wtd Avg Emissions Reductions						
Annual Reductions	Electric Reductions			Gas Reductions		* annual reductions are the units implemented in the year, times the annual emission reduction for the measure, weighted for dual baseline.
	CO2 (tons)	NOX (lbs)	PM-10 (lbs)	CO2 (tons)	NOX (lbs)	
2013	1,281	347	164	91,116	178,266	
2014	1,281	347	164	92,120	179,947	
2015	-	-	-	-	-	
2016	-	-	-	-	-	
2017	-	-	-	-	-	
2018	-	-	-	-	-	
2019	-	-	-	-	-	
2020	-	-	-	-	-	
2021	-	-	-	-	-	
2022	-	-	-	-	-	
2023	-	-	-	-	-	
Total Annual	2,562	694	329	183,236	358,213	
Lifecycle Reductions						
2013	16,219	4,420	2,079	1,390,778	2,779,805	
2014	16,219	4,420	2,079	1,407,672	2,808,070	
2015	-	-	-	-	-	
2016	-	-	-	-	-	
2017	-	-	-	-	-	
2018	-	-	-	-	-	
2019	-	-	-	-	-	
2020	-	-	-	-	-	
2021	-	-	-	-	-	
2022	-	-	-	-	-	
2023	-	-	-	-	-	
Total Lifecycle	32,438	8,840	4,158	2,798,450	5,587,875	

Reductions based on total annual installations								
	Annual Wtd Avg Net kWh	Lifecycle Net kWh	Annual Wtd Avg Net Therms	Lifecycle Net Therms	Net July-Sept Wtd Avg Peak ** (kW)	Net Wtd Avg Dec-Feb ** (kW)	Wtd Avg User Entered kW	Net Annual NCP (kW)
2013	2,288,062	29,065,045	15,575,317	237,739,811	1,405	1,058	1,405	823
2014	2,288,062	29,065,045	15,747,041	240,627,722	1,405	1,058	1,405	1,647
2015	-	-	-	-	-	-	-	823
2016	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-	-
2019	-	-	-	-	-	-	-	-
2020	-	-	-	-	-	-	-	-
2021	-	-	-	-	-	-	-	-
2022	-	-	-	-	-	-	-	-
2023	-	-	-	-	-	-	-	-
Total	4,576,123	58,130,090	31,322,358	478,367,533	2,810	2,116	2,810	3,293

Program Summary	Nominal	Present Value	Avoided Cost Version
Proposer Name	SoCalGas		8/4/2011
Program Name	SoCalGas Portfolio		2/17/2012
Total Program Budget (\$)	\$ 179,962,626	\$ 171,411,191	Base Year
			2013
Net Participant Cost (\$)		\$ 79,565,950	SoCal 2013 v1c3-Draft.xls

Persistent reductions in the summer (3rd Qtr) or winter (4th Qtr) of each year		
	Net July-Sept Peak (kW)	Net Annual Dec-Feb (kW)
2013	703	1,058
2014	2,108	2,116
2015	2,810	2,116
2016	2,810	2,116
2017	2,810	2,116
2018	2,810	2,116
2019	2,810	2,116
2020	2,810	2,116
2021	2,810	2,116
2022	2,810	2,116
2023	2,810	2,116
2024	2,444	1,119

These values are only approximations if there are dual baseline measures in the program

Monthly Impacts					
First Year for Impact Table:	2013	These values are only approximations if there are dual baseline measures in the program			
	Quarter	Hour Avg or TOU Peak	Net Monthly NCP (kW)	Monthly Net kWh	Monthly Net Therms
January-13	1	-	-	-	-
February-13	1	-	-	-	-
March-13	1	-	-	-	-
April-13	2	264	264	39,620	255,067
May-13	2	264	264	39,620	255,067
June-13	2	351	412	60,323	255,067
July-13	3	703	823	120,646	510,134
August-13	3	703	823	120,646	510,134
September-13	3	703	823	120,646	510,134
October-13	4	793	793	118,859	1,187,960
November-13	4	793	793	118,859	1,187,960
December-13	4	793	793	118,859	1,187,960
January-14	5	1,058	1,058	158,478	1,583,865
February-14	5	1,058	1,058	158,478	1,583,865
March-14	5	1,058	1,058	158,478	1,583,865
April-14	6	1,322	1,322	198,098	1,275,336
May-14	6	1,322	1,322	198,098	1,275,336
June-14	6	1,756	2,058	301,616	1,275,336
July-14	7	2,108	2,470	361,939	1,530,403
August-14	7	2,108	2,470	361,939	1,530,403
September-14	7	2,108	2,470	361,939	1,530,403
October-14	8	1,851	1,851	277,337	2,793,046
November-14	8	1,851	1,851	277,337	2,793,046
December-14	8	1,851	1,851	277,337	2,793,046
January-15	9	2,116	2,116	316,957	3,196,106
February-15	9	2,116	2,116	316,957	3,196,106
March-15	9	2,116	2,116	316,957	3,196,106
April-15	10	2,116	2,116	316,957	2,040,537
May-15	10	2,116	2,116	316,957	2,040,537
June-15	10	2,810	3,293	482,585	2,040,537
July-15	11	2,810	3,293	482,585	2,040,537
August-15	11	2,810	3,293	482,585	2,040,537
September-15	11	2,810	3,293	482,585	2,040,537
October-15	12	2,116	2,116	316,957	3,196,106
November-15	12	2,116	2,116	316,957	3,196,106
December-15	12	2,116	2,116	316,957	3,196,106
January-16	13	2,116	2,116	316,957	3,196,106
February-16	13	2,116	2,116	316,957	3,196,106
March-16	13	2,116	2,116	316,957	3,196,106
April-16	14	2,116	2,116	316,957	2,040,486
May-16	14	2,116	2,116	316,957	2,040,486
June-16	14	2,810	3,293	482,585	2,040,486
July-16	15	2,810	3,293	482,585	2,040,435
August-16	15	2,810	3,293	482,585	2,040,435
September-16	15	2,810	3,293	482,585	2,040,435
October-16	16	2,116	2,116	316,957	3,195,952
November-16	16	2,116	2,116	316,957	3,195,952
December-16	16	2,116	2,116	316,957	3,195,952
January-17	17	2,116	2,116	316,957	3,195,901
February-17	17	2,116	2,116	316,957	3,195,901
March-17	17	2,116	2,116	316,957	3,195,901
April-17	18	2,116	2,116	316,957	2,040,280
May-17	18	2,116	2,116	316,957	2,040,280
June-17	18	2,810	3,293	482,585	2,040,280
July-17	19	2,810	3,293	482,585	2,040,229
August-17	19	2,810	3,293	482,585	2,040,229
September-17	19	2,810	3,293	482,585	2,040,229
October-17	20	2,116	2,116	316,957	3,195,747

Program Summary		Nominal		Present Value		Avoided Cost Version	
Proposer Name		SoCalGas				8/4/2011	
Program Name		SoCalGas Portfolio				2/17/2012	
Total Program Budget (\$)		\$ 179,962,626		\$ 171,411,191		Base Year	
Net Participant Cost (\$)				\$ 79,565,950		2013	
						SoCal 2013 v1c3-Draft.xls	
November-17	20	2,116	2,116	316,957	316,957	3,195,747	
December-17	20	2,116	2,116	316,957	316,957	3,195,747	
January-18	21	2,116	2,116	316,957	316,957	3,195,696	
February-18	21	2,116	2,116	316,957	316,957	3,195,696	
March-18	21	2,116	2,116	316,957	316,957	3,195,696	
April-18	22	2,116	2,116	316,957	316,957	2,037,740	
May-18	22	2,116	2,116	316,957	316,957	2,037,740	
June-18	22	2,810	3,293	482,585	482,585	2,037,740	
July-18	23	2,810	3,293	482,585	482,585	2,035,353	
August-18	23	2,810	3,293	482,585	482,585	2,035,353	
September-18	23	2,810	3,293	482,585	482,585	2,035,353	
October-18	24	2,116	2,116	316,957	316,957	3,174,124	
November-18	24	2,116	2,116	316,957	316,957	3,174,124	
December-18	24	2,116	2,116	316,957	316,957	3,174,124	
January-19	25	2,116	2,116	316,957	316,957	3,166,933	
February-19	25	2,116	2,116	316,957	316,957	3,166,933	
March-19	25	2,116	2,116	316,957	316,957	3,166,933	
April-19	26	2,116	2,116	316,957	316,957	2,028,189	
May-19	26	2,116	2,116	316,957	316,957	2,028,189	
June-19	26	2,810	3,293	482,585	482,585	2,028,189	
July-19	27	2,810	3,293	482,585	482,585	2,025,799	
August-19	27	2,810	3,293	482,585	482,585	2,025,799	
September-19	27	2,810	3,293	482,585	482,585	2,025,799	
October-19	28	2,116	2,116	316,957	316,957	3,145,352	
November-19	28	2,116	2,116	316,957	316,957	3,145,352	
December-19	28	2,116	2,116	316,957	316,957	3,145,352	
January-20	29	2,116	2,116	316,957	316,957	3,137,998	
February-20	29	2,116	2,116	316,957	316,957	3,137,998	
March-20	29	2,116	2,116	316,957	316,957	3,137,998	
April-20	30	2,116	2,116	316,957	316,957	2,016,053	
May-20	30	2,116	2,116	316,957	316,957	2,016,053	
June-20	30	2,810	3,293	482,585	482,585	2,016,053	
July-20	31	2,810	3,293	482,585	482,585	2,011,247	
August-20	31	2,810	3,293	482,585	482,585	2,011,247	
September-20	31	2,810	3,293	482,585	482,585	2,011,247	
October-20	32	2,116	2,116	316,957	316,957	3,123,581	
November-20	32	2,116	2,116	316,957	316,957	3,123,581	
December-20	32	2,116	2,116	316,957	316,957	3,123,581	
January-21	33	2,116	2,116	316,957	316,957	3,118,775	
February-21	33	2,116	2,116	316,957	316,957	3,118,775	
March-21	33	2,116	2,116	316,957	316,957	3,118,775	
April-21	34	2,116	2,116	316,957	316,957	1,996,833	
May-21	34	2,116	2,116	316,957	316,957	1,996,833	
June-21	34	2,810	3,293	482,585	482,585	1,996,833	
July-21	35	2,810	3,293	482,585	482,585	1,992,030	
August-21	35	2,810	3,293	482,585	482,585	1,992,030	
September-21	35	2,810	3,293	482,585	482,585	1,992,030	
October-21	36	2,116	2,116	316,957	316,957	3,104,367	
November-21	36	2,116	2,116	316,957	316,957	3,104,367	
December-21	36	2,116	2,116	316,957	316,957	3,104,367	
January-22	37	2,116	2,116	316,957	316,957	3,099,724	
February-22	37	2,116	2,116	316,957	316,957	3,099,724	
March-22	37	2,116	2,116	316,957	316,957	3,099,724	
April-22	38	2,116	2,116	316,957	316,957	1,982,585	
May-22	38	2,116	2,116	316,957	316,957	1,982,585	
June-22	38	2,810	3,293	482,585	482,585	1,982,585	
July-22	39	2,810	3,293	482,585	482,585	1,982,585	
August-22	39	2,810	3,293	482,585	482,585	1,982,585	
September-22	39	2,810	3,293	482,585	482,585	1,982,585	
October-22	40	2,116	2,116	316,957	316,957	3,099,724	
November-22	40	2,116	2,116	316,957	316,957	3,099,724	
December-22	40	2,116	2,116	316,957	316,957	3,099,724	
January-23	41	2,116	2,116	316,957	316,957	3,099,724	
February-23	41	2,116	2,116	316,957	316,957	3,099,724	
March-23	41	2,116	2,116	316,957	316,957	3,099,724	
April-23	42	2,116	2,116	316,957	316,957	1,955,690	
May-23	42	2,116	2,116	316,957	316,957	1,955,690	
June-23	42	2,810	3,293	482,585	482,585	1,955,690	
July-23	43	2,810	3,293	482,585	482,585	1,928,796	
August-23	43	2,810	3,293	482,585	482,585	1,928,796	
September-23	43	2,810	3,293	482,585	482,585	1,928,796	
October-23	44	2,116	2,116	316,957	316,957	2,924,601	
November-23	44	2,116	2,116	316,957	316,957	2,924,601	
December-23	44	2,116	2,116	316,957	316,957	2,924,601	

Program Impacts (Gross)					
	Wtd Annual Gross		Wtd Annual	Lifecycle Gross	Wtd User
	kWh	Lifecycle Gross kWh	Gross Therms	Therms	Entered kW
2013	6,778,166	82,958,613	29,044,103	442,116,965	3,659
2014	6,778,166	82,958,613	29,515,589	449,997,568	3,659
2013-2014	13,556,332	165,917,226	58,559,693	892,114,533	7,318

Wtd Avg Emissions Reductions (Gross)						
Annual Reductions	Electric Reductions			Gas Reductions		* annual reductions are the units implemented in the year, times the annual emission reduction for the measure, weighted for split baseline performance
	CO2 (tons)	NOX (lbs)	PM-10 (lbs)	CO2 (tons)	NOX (lbs)	
2013	3,815	1,030	490	169,908	332,001	
2014	3,815	1,030	490	172,666	336,556	
2015	-	-	-	-	-	
2016	-	-	-	-	-	
2017	-	-	-	-	-	
2018	-	-	-	-	-	
2019	-	-	-	-	-	
2020	-	-	-	-	-	
2021	-	-	-	-	-	
2022	-	-	-	-	-	
2023	-	-	-	-	-	
<i>Total Annual</i>	7,629	2,061	980	342,574	668,557	
Lifecycle Reductions						
2013	46,623	12,650	5,983	2,591,917	5,176,868	
2014	46,623	12,650	5,983	2,638,019	5,252,995	
2015	-	-	-	-	-	
2016	-	-	-	-	-	
2017	-	-	-	-	-	
2018	-	-	-	-	-	
2019	-	-	-	-	-	
2020	-	-	-	-	-	
2021	-	-	-	-	-	
2022	-	-	-	-	-	
2023	-	-	-	-	-	
<i>Total Lifecycle</i>	93,246	25,300	11,967	5,229,936	10,429,863	

Wtd Avg Reductions based on total annual installations (Gross)					
	Wtd Avg Annual	Wtd Avg Lifecycle	Wtd Avg	Wtd Avg Lifecycle	Wtd Avg User
	Gross kWh	Gross kWh	Annual Gross	Gross Therms	Entered kW
			Therms		
2013	6,778,166	82,958,613	29,044,103	442,116,965	3,659
2014	6,778,166	82,958,613	29,515,589	449,997,568	3,659
2015	-	-	-	-	-
2016	-	-	-	-	-
2017	-	-	-	-	-
2018	-	-	-	-	-
2019	-	-	-	-	-
2020	-	-	-	-	-
2021	-	-	-	-	-
2022	-	-	-	-	-
2023	-	-	-	-	-
Total	13,556,332	165,917,226	58,559,693	892,114,533	7,318

Gross Savings for Goal Attainment - kWh						
	1st Year Annual Savings	Decay of single or first baseline	2nd Baseline Savings	2nd Baseline Decay	Total Cumulative	Net Annual Savings
	kWh	kWh	kWh	kWh	kWh	kWh
2013	6,778,166		-	-	6,778,166	6,778,166
2014	13,556,332	0	-	-	13,556,332	6,778,166
2015	13,556,332	0	-	-	13,556,332	-
2016	13,556,332	0	-	-	13,556,332	-
2017	13,556,332	0	-	-	13,556,332	-
2018	13,556,332	0	-	-	13,556,332	-
2019	13,556,332	0	-	-	13,556,332	-
2020	13,556,332	0	-	-	13,556,332	-
2021	13,556,332	0	-	-	13,556,332	-
2022	13,556,332	0	-	-	13,556,332	-

Gross Savings for Goal Attainment - kW						
	1st Year Annual Savings	Decay of single or first baseline	2nd Baseline Savings	2nd Baseline Decay	Total Cumulative	Net Annual Savings
	kW	kW	kW	kW	kW	kW
2013	3,659		-	-	3,659	3,659
2014	7,318	0	-	-	7,318	3,659
2015	7,318	0	-	-	7,318	-
2016	7,318	0	-	-	7,318	-
2017	7,318	0	-	-	7,318	-
2018	7,318	0	-	-	7,318	-
2019	7,318	0	-	-	7,318	-
2020	7,318	0	-	-	7,318	-
2021	7,318	0	-	-	7,318	-
2022	7,318	0	-	-	7,318	-

Gross Savings for Goal Attainment - Therms						
	1st Year Annual Savings	Decay of single or first baseline	2nd Baseline Savings	2nd Baseline Decay	Total Cumulative	Net Annual Savings
	Therms	Therms	Therms	Therms	Therms	Therms
2013	29,136,155		-	-	29,136,155	29,136,155
2014	58,743,796	0	-	-	58,743,796	29,607,641
2015	58,743,796	0	-	-	58,743,796	-
2016	58,743,796	-2567.375	-	-	58,741,229	(2,567)
2017	58,743,796	-6675.175	-	-	58,737,121	(4,108)
2018	58,743,796	-293905.4325	26,456	-	58,476,347	(260,774)
2019	58,743,796	-752087.8395	69,018	-	58,060,726	(415,620)
2020	58,743,796	-1183610.514	87,914	-	57,648,100	(412,627)
2021	58,743,796	-1594099.439	91,401	-	57,241,098	(407,002)
2022	58,743,796	-1745558.264	92,098	-	57,090,336	(150,761)