

Application of San Diego Gas & Electric  
Company (U-902-M) for Approval of  
Electric and Natural Gas Energy Efficiency  
Programs and Budgets for Years 2009  
through 2011

Application 08-07- 023

Exhibit No.: \_\_\_\_\_

Witness: Athena M. Besa

**SUPPLEMENTAL TESTIMONY**

**OF**

**SAN DIEGO GAS & ELECTRIC COMPANY**

**CHAPTER II**

**Appendix A: Portfolio Cost-Effectiveness**

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

**July 2, 2009**



## **Appendix A:**

**San Diego Gas & Electric Company**

**Portfolio Cost-Effectiveness**

Program Summary	Nominal	Present Value
Proposer Name	SDG&E	
Program Name	SDG&E Utility Core Programs	
Total Program Budget (\$)	\$ 335,235,806	\$ 308,668,726
Net Participant Cost (\$)	\$ 2,520,544	\$ 2,090,796

Avoided Cost Version  
 5/10/2008  
 5/22/2008  
 Base Year  
 2009  
 SDG&E PlannerTOU(800)1d2.xls

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	466,838,472	4,791,074,217	8,768,687	148,976,556	98,790	53,498	101,304	97,856
2012-2015	-	-	-	-	-	-	-	-

Cost Effectiveness (Lifecycle Present Value Dollars)							
	Cost	Benefits			Benefit - Cost		
		Electric	Gas	Incentives	NPV	B/C Ratio	Notes
Program TRC (\$)	\$ 310,759,522	\$379,437,423	\$76,875,215	NA	\$145,553,116	1.47	*1
Program PAC (\$)	\$ 308,668,726	\$379,437,423	\$76,875,215	NA	\$147,643,912	1.48	*1,2
Program RIM (\$)	\$ 684,019,029	\$379,437,423	\$76,875,215	NA	(\$227,706,392)	0.67	*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)	2,779,529,694		\$ 0.0901	\$ 0.1365	\$ 0.0464	
PAC (\$/kWh)	2,779,529,694		\$ 0.0894	\$ 0.1365	\$ 0.0471	
RIM (\$/kWh)	2,779,529,694		\$ 0.2046	\$ 0.1365	\$ (0.0681)	
TRC (\$/therm)		76,538,013	\$ 0.79	\$ 1.00	\$ 0.2153	
PAC (\$/therm)		76,538,013	\$ 0.79	\$ 1.00	\$ 0.2169	
RIM (\$/therm)		76,538,013	\$ 1.51	\$ 1.00	\$ (0.5012)	

Emissions Reductions						
Annual Reductions	Electric Reductions			Gas Reductions		
	CO2 (tons)	NOX (lbs)	PM-10 (lbs)	CO2 (tons)	NOX (lbs)	
2009	79,427	21,325	10,221	16,140	38,172	* annual reductions are the units implemented in the year, times the annual emission reduction for the measure.
2010	81,312	21,829	10,464	17,015	40,262	
2011	84,135	22,627	10,823	18,142	43,162	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
<b>Total Annual</b>	<b>244,874</b>	<b>65,781</b>	<b>31,508</b>	<b>51,297</b>	<b>121,595</b>	
Lifecycle Reductions						
2009	845,025	228,010	108,604	273,326	624,985	
2010	858,058	231,521	110,279	288,234	659,469	
2011	870,345	235,079	111,828	309,952	710,804	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
<b>Total Lifecycle</b>	<b>2,573,428</b>	<b>694,609</b>	<b>330,711</b>	<b>871,513</b>	<b>1,995,258</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	152,626,032	1,581,995,406	2,758,933	46,722,471	28,547	17,704	33,119.85	32,372.72	16,573
2010	155,212,191	1,598,431,982	2,908,521	49,270,824	29,177	18,146	33,681.05	32,763.13	31,737
2011	159,000,249	1,610,646,829	3,101,233	52,983,261	41,065	17,648	34,503.05	32,720.45	45,118
2012	-	-	-	-	-	-	-	-	28,494
2013	-	-	-	-	-	-	-	-	(666)
2014	-	-	-	-	-	-	-	-	(1,409)
2015	-	-	-	-	-	-	-	-	(6,314)
<b>Total</b>	<b>466,838,472</b>	<b>4,791,074,217</b>	<b>8,768,687</b>	<b>148,976,556</b>	<b>98,790</b>	<b>53,498</b>	<b>101,304</b>	<b>97,856</b>	<b>113,532</b>

Program Summary	Nominal	Present Value
Proposer Name	SDG&E	
Program Name	SDG&E Utility Core Programs	
Total Program Budget (\$)	\$ 335,235,806	\$ 308,668,726
Net Participant Cost (\$)	\$ 2,520,544	\$ 2,090,796

Avoided Cost Version  
5/10/2008  
5/22/2008  
Base Year  
2009  
SDG&E PlannerTOU(800)1d2.xls

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>	466,838,472	4,791,074,217	8,768,687	148,976,556	98,790	53,498	101,304	97,856	145,553,116
RES	-	-	-	-	-	-	-	-	-
NON_RES	-	-	-	-	-	-	-	-	-
Residential	206,837,802	1,231,169,402	(69,135)	22,858,730	43,449	22,102	44,884	37,566	34,780,925
Commercial	251,385,114	3,404,571,055	6,682,457	100,743,845	52,244	30,673	54,551	57,801	105,773,127
Industrial	6,663,767	126,056,938	891,457	13,371,859	2,831	430	1,446	2,327	7,652,943
Agricultural	1,951,788	29,276,822	1,263,907	12,002,122	266	293	424	163	(2,653,878)

\* 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>	431,596,472	4,508,897,217	2,762,789	63,551,309	98,790	53,498	93,656	90,615	121,929,449
Clothes Dryer	-	-	-	-	-	-	-	-	-
Clothes Washer	1,715,914	18,875,050	929,083	10,219,916	240	240	372	231	566,781
Consumer Electronics	-	-	-	-	-	-	-	-	-
Cooking	-	-	-	-	-	-	-	-	-
Dishwasher	397,159	4,368,751	69,135	760,486	102	102	86	132	(4,201,452)
Other Appliance	-	-	-	-	-	-	-	-	-
Office Equipment	69,906,705	1,035,967,383	(101,141)	(1,403,542)	13,525	8,463	15,170	17,462	38,678,506
Building shell	-	-	-	-	-	-	-	-	-
Space Cooling	74,413,487	1,110,641,276	902,343	20,386,662	43,393	8,516	16,148	29,462	42,774,474
Space Heating	-	-	32,050	640,990	-	-	-	-	(430,891)
Ventilation	8,411,989	126,179,834	207,055	2,277,604	1,743	1,017	1,825	-	5,076,916
Interior Lighting	201,290,595	1,362,263,879	(3,112,443)	(16,980,933)	29,725	26,627	43,680	35,558	30,565,428
Exterior Lighting	30,436,047	456,540,710	-	-	4,048	3,378	6,605	2,131	9,878,690
Daylighting	-	-	-	-	-	-	-	-	-
Motors	-	-	-	-	-	-	-	-	-
Process	6,620,812	96,290,344	2,820,692	34,199,645	901	995	1,437	759	(12,765,517)
Compressed Air	-	-	-	-	-	-	-	-	-
Food Processor	-	-	-	-	-	-	-	-	-
Refrigeration	37,140,579	285,138,144	(4,172)	(62,573)	5,033	4,081	8,060	4,415	8,054,475
Freezers	-	-	-	-	-	-	-	-	-
Pumps	-	-	-	-	-	-	-	-	-
Pool Pump	1,130,220	11,302,200	-	-	62	62	245	436	434,867
Domestic Hot Water	-	-	-	-	-	-	-	-	-
Water Heating	132,965	1,329,647	1,020,187	13,513,052	17	17	29	29	3,297,172
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>	466,838,472	4,791,074,217	8,768,687	148,976,556	98,790	53,498	101,304	101,304	145,553,116
7	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-
System	466,838,472	4,791,074,217	8,768,687	148,976,556	98,790	53,498	101,304	101,304	145,553,116

\* 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	14,274	17,704
2010	43,136	35,850
2011	78,257	53,374
2012	98,391	53,111
2013	97,479	52,020

Program Summary	Nominal	Present Value
Proposer Name	SDG&E	
Program Name	SDG&E Utility Core Programs	
Total Program Budget (\$)	\$ 335,235,806	\$ 308,668,726
Net Participant Cost (\$)	\$ 2,520,544	\$ 2,090,796

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

SDG&E PlannerTOU(800)1d2.xls

2014	96,047	47,458
2015	88,211	39,999
2016	80,932	33,278

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	4,426	5,524	2,820,735	63,129
May-09	2	7,137	7,995	3,055,151	63,129
June-09	2	7,137	7,995	3,055,151	63,129
July-09	3	14,274	15,990	6,110,301	126,259
August-09	3	14,274	15,990	6,110,301	126,259
September-09	3	14,274	15,990	6,110,301	126,259
October-09	4	13,278	16,573	8,462,206	155,478
November-09	4	13,278	16,573	8,462,206	155,478
December-09	4	13,278	16,573	8,462,206	155,478
January-10	5	17,704	22,097	11,282,941	207,305
February-10	5	17,704	22,097	11,282,941	207,305
March-10	5	17,704	22,097	11,282,941	207,305
April-10	6	22,241	27,738	14,171,783	317,925
May-10	6	35,842	40,144	15,347,611	317,925
June-10	6	35,842	40,144	15,347,611	317,925
July-10	7	43,136	48,309	18,474,620	383,332
August-10	7	43,136	48,309	18,474,620	383,332
September-10	7	43,136	48,309	18,474,620	383,332
October-10	8	31,314	39,021	19,949,468	374,648
November-10	8	31,314	39,021	19,949,468	374,648
December-10	8	31,314	39,021	19,949,468	374,648
January-11	9	35,850	44,663	22,838,310	430,429
February-11	9	35,850	44,663	22,838,310	430,429
March-11	9	35,850	44,663	22,838,310	430,429
April-11	10	40,262	50,170	25,669,669	583,325
May-11	10	67,991	79,033	28,168,949	583,325
June-11	10	67,991	79,033	28,168,949	583,325
July-11	11	78,257	93,427	31,609,261	652,503
August-11	11	78,257	93,427	31,609,261	652,503
September-11	11	78,257	93,427	31,609,261	652,503
October-11	12	49,024	61,083	31,290,136	610,704
November-11	12	49,024	61,083	31,290,136	610,704
December-11	12	49,024	61,083	31,290,136	610,704
January-12	13	53,374	66,487	34,079,246	670,899
February-12	13	53,374	66,487	34,079,246	670,899
March-12	13	53,374	66,487	34,079,246	670,899
April-12	14	53,312	66,383	34,036,997	790,860
May-12	14	98,496	121,921	38,362,272	790,860
June-12	14	98,496	121,921	38,362,272	790,860
July-12	15	98,391	121,816	38,316,894	790,860
August-12	15	98,391	121,816	38,316,894	790,860
September-12	15	98,391	121,816	38,316,894	790,860
October-12	16	53,178	66,161	33,946,646	671,636
November-12	16	53,178	66,161	33,946,646	671,636
December-12	16	53,178	66,161	33,946,646	671,636
January-13	17	53,111	66,049	33,901,344	671,928
February-13	17	53,111	66,049	33,901,344	671,928
March-13	17	53,111	66,049	33,901,344	671,928
April-13	18	52,836	65,714	33,706,815	790,860
May-13	18	97,830	121,255	38,034,083	790,860
June-13	18	97,830	121,255	38,034,083	790,860
July-13	19	97,479	120,904	37,842,524	790,860
August-13	19	97,479	120,904	37,842,524	790,860

Program Summary	Nominal	Present Value
Proposer Name	SDG&E	
Program Name	SDG&E Utility Core Programs	
Total Program Budget (\$)	\$ 335,235,806	\$ 308,668,726
Net Participant Cost (\$)	\$ 2,520,544	\$ 2,090,796

Avoided Cost Version  
 5/10/2008  
 5/22/2008  
 Base Year  
 2009  
 SDG&E PlannerTOU(800)1d2.xls

September-13	19	97,479	120,904	37,842,524	790,860
October-13	20	52,290	65,053	33,321,271	677,564
November-13	20	52,290	65,053	33,321,271	677,564
December-13	20	52,290	65,053	33,321,271	677,564
January-14	21	52,020	64,727	33,130,272	679,434
February-14	21	52,020	64,727	33,130,272	679,434
March-14	21	52,020	64,727	33,130,272	679,434
April-14	22	51,718	64,370	32,919,064	790,860
May-14	22	96,420	119,845	37,261,005	790,860
June-14	22	96,420	119,845	37,261,005	790,860
July-14	23	96,047	119,472	37,055,702	790,860
August-14	23	96,047	119,472	37,055,702	790,860
September-14	23	96,047	119,472	37,055,702	790,860
October-14	24	49,438	62,016	31,408,915	701,289
November-14	24	49,438	62,016	31,408,915	701,289
December-14	24	49,438	62,016	31,408,915	701,289
January-15	25	47,458	60,019	30,109,739	736,190
February-15	25	47,458	60,019	30,109,739	736,190
March-15	25	47,458	60,019	30,109,739	736,190
April-15	26	45,592	58,137	28,885,551	790,860
May-15	26	90,107	113,532	33,703,724	790,860
June-15	26	90,107	113,532	33,703,724	790,860
July-15	27	88,211	111,636	32,633,137	790,860
August-15	27	88,211	111,636	32,633,137	790,860
September-15	27	88,211	111,636	32,633,137	790,860
October-15	28	41,864	54,382	26,440,071	845,895
November-15	28	41,864	54,382	26,440,071	845,895
December-15	28	41,864	54,382	26,440,071	845,895

Program Summary	Nominal	Present Value
Proposer Name	SDG&E	
Program Name	SDG&E Partnership Programs	
Total Program Budget (\$)	\$ 37,056,811	\$ 37,056,811
Net Participant Cost (\$)	\$ -	\$ -

Avoided Cost Version  
 5/10/2008  
 5/22/2008  
 Base Year  
 2009  
 SDG&E PlannerTOU(800)1d2.xls

Program Impacts							
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net Jul-Sept Pk (kW)	Net Dec-Feb Pk (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 (\$)	\$ 37,056,811	\$0	\$0	NA	(\$37,056,811)	-		*1
Program PAC (\$)	\$ 37,056,811	\$0	\$0	NA	(\$37,056,811)	-		*1,2
Program RIM (\$)	\$ 37,056,811	\$0	\$0	NA	(\$37,056,811)	-		*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	B/C Ratio
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	-	-	-	-	-	
<i>Total Annual</i>	-	-	-	-	-	
<b>Lifecycle Reductions</b>						
2009	-	-	-	-	-	
2010	-	-	-	-	-	
2011	-	-	-	-	-	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
<i>Total Lifecycle</i>	-	-	-	-	-	

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	SDG&E	
Program Name	SDG&E Partnership Programs	
Total Program Budget (\$)	\$ 37,056,811	\$ 37,056,811
Net Participant Cost (\$)	\$ -	\$ -

Avoided Cost Version  
 5/10/2008  
 5/22/2008  
 Base Year  
 2009  
 SDG&E PlannerTOU(800)1d2.xls

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	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-
Industrial	-	-	-	-	-	-	-	-	-
Agricultural	-	-	-	-	-	-	-	-	-

\* 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!
7	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-
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	SDG&E	
Program Name	SDG&E Partnership Programs	
Total Program Budget (\$)	\$ 37,056,811	\$ 37,056,811
Net Participant Cost (\$)	\$ -	\$ -

Avoided Cost Version  
 5/10/2008  
 5/22/2008  
 Base Year  
 2009  
 SDG&E PlannerTOU(800)1d2.xls

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	-	-	-	-
February-13	17	-	-	-	-
March-13	17	-	-	-	-
April-13	18	-	-	-	-
May-13	18	-	-	-	-
June-13	18	-	-	-	-
July-13	19	-	-	-	-
August-13	19	-	-	-	-

Program Summary	Nominal	Present Value
Proposer Name	SDG&E	
Program Name	SDG&E Partnership Programs	
Total Program Budget (\$)	\$ 37,056,811	\$ 37,056,811
Net Participant Cost (\$)	\$ -	\$ -

Avoided Cost Version  
 5/10/2008  
 5/22/2008  
 Base Year  
 2009  
 SDG&E PlannerTOU(800)1d2.xls

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	SDG&E	
Program Name	SDG&E Third Party Programs	
Total Program Budget (\$)	\$ 126,298,976	\$ 118,739,459
Net Participant Cost (\$)	\$ (4,610,615)	\$ (4,047,172)

Avoided Cost Version  
 5/10/2008  
 5/22/2008  
 Base Year  
 2009  
 SDG&E PlannerTOU(800)1d2.xls

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	124,615,499	1,373,518,663	(173,026)	2,259,414	30,666	16,560	27,042	34,002
2012-2015	-	-	-	-	-	-	-	-

Cost Effectiveness (Lifecycle Present Value Dollars)							
	Cost	Benefits			Benefit - Cost		
		Electric	Gas	Incentives	NPV	B/C Ratio	Notes
Program TRC (\$)	\$ 114,692,287	\$123,403,334	\$655,996	NA	\$9,367,043	1.08	*1
Program PAC (\$)	\$ 118,739,459	\$123,403,334	\$655,996	NA	\$5,319,871	1.04	*1,2
Program RIM (\$)	\$ 215,798,694	\$123,403,334	\$655,996	NA	(\$91,739,364)	0.57	*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)	784,029,661		\$ 0.1468	\$ 0.1574	\$ 0.0106	
PAC (\$/kWh)	784,029,661		\$ 0.1529	\$ 0.1574	\$ 0.0045	
RIM (\$/kWh)	784,029,661		\$ 0.2738	\$ 0.1574	\$ (0.1164)	
TRC (\$/therm)		916,661	\$ (0.47)	\$ 0.72	\$ 1.1873	
PAC (\$/therm)		916,661	\$ (1.28)	\$ 0.72	\$ 1.9918	
RIM (\$/therm)		916,661	\$ 1.24	\$ 0.72	\$ (0.5292)	

Emissions Reductions						
Annual Reductions	Electric Reductions			Gas Reductions		
	CO2 (tons)	NOX (lbs)	PM-10 (lbs)	CO2 (tons)	NOX (lbs)	
2009	24,387	6,610	3,131	(417)	1,392	* annual reductions are the units implemented in the year, times the annual emission reduction for the measure.
2010	24,534	6,650	3,149	(382)	1,520	
2011	22,488	6,095	2,887	(213)	1,830	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
<b>Total Annual</b>	<b>71,409</b>	<b>19,354</b>	<b>9,167</b>	<b>(1,012)</b>	<b>4,743</b>	
Lifecycle Reductions						
2009	271,910	74,318	34,827	3,799	26,491	
2010	273,553	74,767	35,037	4,198	27,847	
2011	250,740	68,532	32,115	5,221	29,890	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
<b>Total Lifecycle</b>	<b>796,203</b>	<b>217,618</b>	<b>101,979</b>	<b>13,218</b>	<b>84,228</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	42,557,599	469,068,541	(71,318)	649,354	10,473	5,655	9,235.00	11,612.14	5,551
2010	42,814,136	471,902,394	(65,310)	717,621	10,536	5,689	9,290.67	11,682.33	10,887
2011	39,243,764	432,547,728	(36,398)	892,438	9,657	5,215	8,515.90	10,707.96	10,544
2012	-	-	-	-	-	-	-	-	4,925
2013	-	-	-	-	-	-	-	-	(589)
2014	-	-	-	-	-	-	-	-	(1,328)
2015	-	-	-	-	-	-	-	-	(2,360)
<b>Total</b>	<b>124,615,499</b>	<b>1,373,518,663</b>	<b>(173,026)</b>	<b>2,259,414</b>	<b>30,666</b>	<b>16,560</b>	<b>27,042</b>	<b>34,002</b>	<b>27,628</b>

Program Summary	Nominal	Present Value
Proposer Name	SDG&E	
Program Name	SDG&E Third Party Programs	
Total Program Budget (\$)	\$ 126,298,976	\$ 118,739,459
Net Participant Cost (\$)	\$ (4,610,615)	\$ (4,047,172)

Avoided Cost Version  
 5/10/2008  
 5/22/2008  
 Base Year  
 2009  
 SDG&E PlannerTOU(800)1d2.xls

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>	124,615,499	1,373,518,663	(173,026)	2,259,414	30,666	16,560	27,042	34,002	9,367,043
RES	-	-	-	-	-	-	-	-	-
NON_RES	-	-	-	-	-	-	-	-	-
Residential	44,399,351	215,221,067	(383,067)	371,644	7,111	5,896	9,635	10,102	210,017
Commercial	80,216,147	1,158,297,596	210,041	1,887,770	23,555	10,664	17,407	23,900	9,157,027
Industrial	-	-	-	-	-	-	-	-	-
Agricultural	-	-	-	-	-	-	-	-	-

\* 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>	124,468,205	1,373,076,781	(592,270)	(1,933,026)	30,666	16,560	27,010	33,887	8,620,789
Clothes Dryer	-	-	-	-	-	-	-	-	-
Clothes Washer	-	-	-	-	-	-	-	-	-
Consumer Electronics	-	-	-	-	-	-	-	-	-
Cooking	-	-	-	-	-	-	-	-	-
Dishwasher	-	-	-	-	-	-	-	-	-
Other Appliance	-	-	-	-	-	-	-	-	-
Office Equipment	39,634,129	594,511,931	(35,844)	(537,667)	7,664	4,792	8,601	10,864	(11,320,635)
Building shell	-	-	-	-	-	-	-	-	-
Space Cooling	41,326,039	570,864,907	259,693	2,677,844	17,118	5,884	8,968	14,185	19,623,225
Space Heating	-	-	-	-	-	-	-	-	-
Ventilation	-	-	-	-	-	-	-	-	-
Interior Lighting	-	-	-	-	-	-	-	-	-
Exterior Lighting	-	-	-	-	-	-	-	-	-
Daylighting	-	-	-	-	-	-	-	-	-
Motors	-	-	-	-	-	-	-	-	-
Process	-	-	-	-	-	-	-	-	-
Compressed Air	-	-	-	-	-	-	-	-	-
Food Processor	-	-	-	-	-	-	-	-	-
Refrigeration	43,508,037	207,699,943	(816,119)	(4,073,203)	5,884	5,884	9,441	8,838	318,199
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>	124,615,499	1,373,518,663	(173,026)	2,259,414	30,666	16,560	27,042	27,042	9,367,043
7	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-
System	124,615,499	1,373,518,663	(173,026)	2,259,414	30,666	16,560	27,042	27,042	9,367,043

\* 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	5,236	5,655
2010	15,741	11,345
2011	25,838	16,560
2012	30,550	16,558
2013	30,096	16,112

Program Summary	Nominal	Present Value
Proposer Name	SDG&E	
Program Name	SDG&E Third Party Programs	
Total Program Budget (\$)	\$ 126,298,976	\$ 118,739,459
Net Participant Cost (\$)	\$ (4,610,615)	\$ (4,047,172)

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

SDG&E PlannerTOU(800)1d2.xls

2014	28,645	14,098
2015	26,540	12,114
2016	24,826	10,669

**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	1,414	1,850	805,830	2,835
May-09	2	2,618	2,734	997,142	2,835
June-09	2	2,618	2,734	997,142	2,835
July-09	3	5,236	5,468	1,994,285	5,671
August-09	3	5,236	5,468	1,994,285	5,671
September-09	3	5,236	5,468	1,994,285	5,671
October-09	4	4,242	5,551	2,417,489	(17,421)
November-09	4	4,242	5,551	2,417,489	(17,421)
December-09	4	4,242	5,551	2,417,489	(17,421)
January-10	5	5,655	7,401	3,223,319	(23,228)
February-10	5	5,655	7,401	3,223,319	(23,228)
March-10	5	5,655	7,401	3,223,319	(23,228)
April-10	6	7,078	9,262	4,034,003	14,328
May-10	6	13,107	13,687	4,991,727	14,328
June-10	6	13,107	13,687	4,991,727	14,328
July-10	7	15,741	16,437	5,994,885	17,314
August-10	7	15,741	16,437	5,994,885	17,314
September-10	7	15,741	16,437	5,994,885	17,314
October-10	8	9,922	12,985	5,655,372	(40,351)
November-10	8	9,922	12,985	5,655,372	(40,351)
December-10	8	9,922	12,985	5,655,372	(40,351)
January-11	9	11,345	14,847	6,466,056	(46,058)
February-11	9	11,345	14,847	6,466,056	(46,058)
March-11	9	11,345	14,847	6,466,056	(46,058)
April-11	10	12,649	16,553	7,209,139	26,513
May-11	10	23,423	24,460	8,920,698	26,513
June-11	10	23,423	24,460	8,920,698	26,513
July-11	11	25,838	26,981	9,840,197	29,740
August-11	11	25,838	26,981	9,840,197	29,740
September-11	11	25,838	26,981	9,840,197	29,740
October-11	12	15,256	19,965	8,695,304	(60,287)
November-11	12	15,256	19,965	8,695,304	(60,287)
December-11	12	15,256	19,965	8,695,304	(60,287)
January-12	13	16,560	21,671	9,438,387	(65,030)
February-12	13	16,560	21,671	9,438,387	(65,030)
March-12	13	16,560	21,671	9,438,387	(65,030)
April-12	14	16,559	21,671	9,437,726	36,192
May-12	14	30,608	31,906	11,671,706	36,192
June-12	14	30,608	31,906	11,671,706	36,192
July-12	15	30,550	31,788	11,664,218	36,192
August-12	15	30,550	31,788	11,664,218	36,192
September-12	15	30,550	31,788	11,664,218	36,192
October-12	16	16,558	21,669	9,436,404	(65,030)
November-12	16	16,558	21,669	9,436,404	(65,030)
December-12	16	16,558	21,669	9,436,404	(65,030)
January-13	17	16,558	21,668	9,435,742	(65,030)
February-13	17	16,558	21,668	9,435,742	(65,030)
March-13	17	16,558	21,668	9,435,742	(65,030)
April-13	18	16,446	21,557	9,369,783	36,192
May-13	18	30,266	31,317	11,565,081	36,192
June-13	18	30,266	31,317	11,565,081	36,192
July-13	19	30,096	31,080	11,480,920	36,192
August-13	19	30,096	31,080	11,480,920	36,192

Program Summary	Nominal	Present Value
Proposer Name	SDG&E	
Program Name	SDG&E Third Party Programs	
Total Program Budget (\$)	\$ 126,298,976	\$ 118,739,459
Net Participant Cost (\$)	\$ (4,610,615)	\$ (4,047,172)

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

SDG&E PlannerTOU(800)1d2.xls

September-13	19	30,096	31,080	11,480,920	36,192
October-13	20	16,223	21,334	9,237,865	(64,714)
November-13	20	16,223	21,334	9,237,865	(64,714)
December-13	20	16,223	21,334	9,237,865	(64,714)
January-14	21	16,112	21,222	9,171,905	(64,609)
February-14	21	16,112	21,222	9,171,905	(64,609)
March-14	21	16,112	21,222	9,171,905	(64,609)
April-14	22	15,609	20,718	8,882,299	36,192
May-14	22	29,202	29,988	10,966,337	36,192
June-14	22	29,202	29,988	10,966,337	36,192
July-14	23	28,645	29,369	10,620,076	36,192
August-14	23	28,645	29,369	10,620,076	36,192
September-14	23	28,645	29,369	10,620,076	36,192
October-14	24	14,601	19,711	8,303,087	(29,767)
November-14	24	14,601	19,711	8,303,087	(29,767)
December-14	24	14,601	19,711	8,303,087	(29,767)
January-15	25	14,098	19,207	8,013,481	(18,153)
February-15	25	14,098	19,207	8,013,481	(18,153)
March-15	25	14,098	19,207	8,013,481	(18,153)
April-15	26	13,602	18,711	7,728,622	36,192
May-15	26	27,036	27,628	9,593,054	36,192
June-15	26	27,036	27,628	9,593,054	36,192
July-15	27	26,540	27,126	9,258,554	36,192
August-15	27	26,540	27,126	9,258,554	36,192
September-15	27	26,540	27,126	9,258,554	36,192
October-15	28	12,610	17,719	7,158,903	16,869
November-15	28	12,610	17,719	7,158,903	16,869
December-15	28	12,610	17,719	7,158,903	16,869

Program Summary	Nominal	Present Value
Proposer Name	SDG&E	
Program Name	SDG&E Portfolio	
Total Program Budget (\$)	\$ 498,591,594	\$ 464,464,996
Net Participant Cost (\$)	\$ (2,090,072)	\$ (1,956,376)

Avoided Cost Version  
 5/10/2008  
 5/22/2008  
 Base Year  
 2009  
 SDG&E PlannerTOU(800)1d2.xls

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	591,453,970	6,164,592,879	8,595,661	151,235,970	129,456	70,058	128,346	131,859
2012-2015	-	-	-	-	-	-	-	-

Cost Effectiveness (Lifecycle Present Value Dollars)							
	Cost	Benefits			Benefit - Cost		
		Electric	Gas	Incentives	NPV	B/C Ratio	Notes
Program TRC (\$)	\$ 462,508,619	\$502,840,757	\$77,531,211	NA	\$117,863,348	1.25	*1
Program PAC (\$)	\$ 464,464,996	\$502,840,757	\$77,531,211	NA	\$115,906,972	1.25	*1,2
Program RIM (\$)	\$ 936,874,534	\$502,840,757	\$77,531,211	NA	(\$356,502,567)	0.62	*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)	3,563,559,355		\$ 0.1104	\$ 0.1411	\$ 0.0307	
PAC (\$/kWh)	3,563,559,355		\$ 0.1112	\$ 0.1411	\$ 0.0299	
RIM (\$/kWh)	3,563,559,355		\$ 0.2278	\$ 0.1411	\$ (0.0867)	
TRC (\$/therm)		77,454,674	\$ 0.89	\$ 1.00	\$ 0.1109	
PAC (\$/therm)		77,454,674	\$ 0.88	\$ 1.00	\$ 0.1220	
RIM (\$/therm)		77,454,674	\$ 1.62	\$ 1.00	\$ (0.6149)	

Emissions Reductions						
Annual Reductions	Electric Reductions			Gas Reductions		
	CO2 (tons)	NOX (lbs)	PM-10 (lbs)	CO2 (tons)	NOX (lbs)	
2009	103,814	27,935	13,352	15,723	39,564	* annual reductions are the units implemented in the year, times the annual emission reduction for the measure.
2010	105,846	28,478	13,614	16,633	41,782	
2011	106,623	28,722	13,709	17,929	44,992	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
<b>Total Annual</b>	<b>316,282</b>	<b>85,135</b>	<b>40,675</b>	<b>50,285</b>	<b>126,338</b>	
Lifecycle Reductions						
2009	1,116,935	302,328	143,430	277,125	651,476	
2010	1,131,611	306,288	145,316	292,432	687,316	
2011	1,121,085	303,611	143,943	315,173	740,694	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
<b>Total Lifecycle</b>	<b>3,369,631</b>	<b>912,227</b>	<b>432,689</b>	<b>884,730</b>	<b>2,079,486</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	195,183,631	2,051,063,947	2,687,615	47,371,825	39,020	23,360	42,354.85	43,984.87	22,123
2010	198,026,327	2,070,334,376	2,843,211	49,988,445	39,713	23,836	42,971.71	44,445.47	42,623
2011	198,244,013	2,043,194,556	3,064,835	53,875,700	50,723	22,863	43,018.95	43,428.41	55,662
2012	-	-	-	-	-	-	-	-	33,418
2013	-	-	-	-	-	-	-	-	(1,255)
2014	-	-	-	-	-	-	-	-	(2,738)
2015	-	-	-	-	-	-	-	-	(8,673)
<b>Total</b>	<b>591,453,970</b>	<b>6,164,592,879</b>	<b>8,595,661</b>	<b>151,235,970</b>	<b>129,456</b>	<b>70,058</b>	<b>128,346</b>	<b>131,859</b>	<b>141,160</b>



Program Summary	Nominal	Present Value
Proposer Name	SDG&E	
Program Name	SDG&E Portfolio	
Total Program Budget (\$)	\$ 498,591,594	\$ 464,464,996
Net Participant Cost (\$)	\$ (2,090,072)	\$ (1,956,376)

Avoided Cost Version  
 5/10/2008  
 5/22/2008  
 Base Year  
 2009  
 SDG&E PlannerTOU(800)1d2.xls

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>	591,453,970	6,164,592,879	8,595,661	151,235,970	129,456	70,058	128,346	131,859	117,863,348
RES	-	-	-	-	-	-	-	-	-
NON_RES	-	-	-	-	-	-	-	-	-
Residential	251,237,153	1,446,390,469	(452,202)	23,230,374	50,560	27,997	54,518	47,668	24,141,929
Commercial	331,601,262	4,562,868,650	6,892,498	102,631,615	75,799	41,337	71,957	81,701	91,860,153
Industrial	6,663,767	126,056,938	891,457	13,371,859	2,831	430	1,446	2,327	5,592,482
Agricultural	1,951,788	29,276,822	1,263,907	12,002,122	266	293	424	163	(3,731,216)

\* 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>	556,064,676	5,881,973,997	2,170,519	61,618,283	129,456	70,058	120,666	124,502	98,720,099
Clothes Dryer	-	-	-	-	-	-	-	-	-
Clothes Washer	1,715,914	18,875,050	929,083	10,219,916	240	240	372	231	(252,895)
Consumer Electronics	-	-	-	-	-	-	-	-	-
Cooking	-	-	-	-	-	-	-	-	-
Dishwasher	397,159	4,368,751	69,135	760,486	102	102	86	132	(4,294,993)
Other Appliance	-	-	-	-	-	-	-	-	-
Office Equipment	109,540,833	1,630,479,313	(136,985)	(1,941,209)	21,189	13,255	23,770	28,326	24,264,047
Building shell	-	-	-	-	-	-	-	-	-
Space Cooling	115,739,526	1,681,506,183	1,162,036	23,064,506	60,511	14,399	25,115	43,647	56,008,918
Space Heating	-	-	32,050	640,990	-	-	-	-	(469,163)
Ventilation	8,411,989	126,179,834	207,055	2,277,604	1,743	1,017	1,825	-	3,845,473
Interior Lighting	201,290,595	1,362,263,879	(3,112,443)	(16,980,933)	29,725	26,627	43,680	35,558	18,366,926
Exterior Lighting	30,436,047	456,540,710	-	-	4,048	3,378	6,605	2,131	6,275,951
Daylighting	-	-	-	-	-	-	-	-	-
Motors	-	-	-	-	-	-	-	-	-
Process	6,620,812	96,290,344	2,820,692	34,199,645	901	995	1,437	759	(15,733,521)
Compressed Air	-	-	-	-	-	-	-	-	-
Food Processor	-	-	-	-	-	-	-	-	-
Refrigeration	80,648,616	492,838,087	(820,290)	(4,135,775)	10,917	9,965	17,501	13,253	7,877,868
Freezers	-	-	-	-	-	-	-	-	-
Pumps	-	-	-	-	-	-	-	-	-
Pool Pump	1,130,220	11,302,200	-	-	62	62	245	436	334,854
Domestic Hot Water	-	-	-	-	-	-	-	-	-
Water Heating	132,965	1,329,647	1,020,187	13,513,052	17	17	29	29	2,496,634
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>	591,453,970	6,164,592,879	8,595,661	151,235,970	129,456	70,058	128,346	128,346	117,863,348
7	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-
System	591,453,970	6,164,592,879	8,595,661	151,235,970	129,456	70,058	128,346	128,346	117,863,348

\* 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	19,510	23,360
2010	58,877	47,195
2011	104,095	69,934
2012	128,942	69,669
2013	127,575	68,132

Program Summary	Nominal	Present Value
Proposer Name	SDG&E	
Program Name	SDG&E Portfolio	
Total Program Budget (\$)	\$ 498,591,594	\$ 464,464,996
Net Participant Cost (\$)	\$ (2,090,072)	\$ (1,956,376)

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

SDG&E PlannerTOU(800)1d2.xls

2014	124,692	61,556
2015	114,751	52,112
2016	105,757	43,947

**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	5,840	7,374	3,626,565	65,965
May-09	2	9,755	10,729	4,052,293	65,965
June-09	2	9,755	10,729	4,052,293	65,965
July-09	3	19,510	21,458	8,104,586	131,929
August-09	3	19,510	21,458	8,104,586	131,929
September-09	3	19,510	21,458	8,104,586	131,929
October-09	4	17,520	22,123	10,879,695	138,058
November-09	4	17,520	22,123	10,879,695	138,058
December-09	4	17,520	22,123	10,879,695	138,058
January-10	5	23,360	29,498	14,506,259	184,077
February-10	5	23,360	29,498	14,506,259	184,077
March-10	5	23,360	29,498	14,506,259	184,077
April-10	6	29,318	37,001	18,205,786	332,253
May-10	6	48,948	53,831	20,339,338	332,253
June-10	6	48,948	53,831	20,339,338	332,253
July-10	7	58,877	64,747	24,469,504	400,646
August-10	7	58,877	64,747	24,469,504	400,646
September-10	7	58,877	64,747	24,469,504	400,646
October-10	8	41,236	52,006	25,604,840	334,297
November-10	8	41,236	52,006	25,604,840	334,297
December-10	8	41,236	52,006	25,604,840	334,297
January-11	9	47,195	59,509	29,304,367	384,371
February-11	9	47,195	59,509	29,304,367	384,371
March-11	9	47,195	59,509	29,304,367	384,371
April-11	10	52,911	66,723	32,878,808	609,838
May-11	10	91,414	103,493	37,089,647	609,838
June-11	10	91,414	103,493	37,089,647	609,838
July-11	11	104,095	120,408	41,449,458	682,243
August-11	11	104,095	120,408	41,449,458	682,243
September-11	11	104,095	120,408	41,449,458	682,243
October-11	12	64,280	81,048	39,985,441	550,417
November-11	12	64,280	81,048	39,985,441	550,417
December-11	12	64,280	81,048	39,985,441	550,417
January-12	13	69,934	88,158	43,517,633	605,869
February-12	13	69,934	88,158	43,517,633	605,869
March-12	13	69,934	88,158	43,517,633	605,869
April-12	14	69,871	88,054	43,474,723	827,052
May-12	14	129,104	153,827	50,033,978	827,052
June-12	14	129,104	153,827	50,033,978	827,052
July-12	15	128,942	153,604	49,981,112	827,052
August-12	15	128,942	153,604	49,981,112	827,052
September-12	15	128,942	153,604	49,981,112	827,052
October-12	16	69,736	87,830	43,383,050	606,606
November-12	16	69,736	87,830	43,383,050	606,606
December-12	16	69,736	87,830	43,383,050	606,606
January-13	17	69,669	87,717	43,337,086	606,898
February-13	17	69,669	87,717	43,337,086	606,898
March-13	17	69,669	87,717	43,337,086	606,898
April-13	18	69,282	87,271	43,076,598	827,052
May-13	18	128,095	152,571	49,599,163	827,052
June-13	18	128,095	152,571	49,599,163	827,052
July-13	19	127,575	151,984	49,323,444	827,052
August-13	19	127,575	151,984	49,323,444	827,052

Program Summary		Nominal	Present Value
Proposer Name		SDG&E	
Program Name		SDG&E Portfolio	
Total Program Budget (\$)		\$ 498,591,594	\$ 464,464,996
Net Participant Cost (\$)		\$ (2,090,072)	\$ (1,956,376)

Avoided Cost Version  
 5/10/2008  
 5/22/2008  
 Base Year  
 2009  
 SDG&E PlannerTOU(800)1d2.xls

September-13	19	127,575	151,984	49,323,444	827,052
October-13	20	68,513	86,387	42,559,136	612,850
November-13	20	68,513	86,387	42,559,136	612,850
December-13	20	68,513	86,387	42,559,136	612,850
January-14	21	68,132	85,949	42,302,177	614,825
February-14	21	68,132	85,949	42,302,177	614,825
March-14	21	68,132	85,949	42,302,177	614,825
April-14	22	67,327	85,088	41,801,363	827,052
May-14	22	125,622	149,834	48,227,342	827,052
June-14	22	125,622	149,834	48,227,342	827,052
July-14	23	124,692	148,841	47,675,778	827,052
August-14	23	124,692	148,841	47,675,778	827,052
September-14	23	124,692	148,841	47,675,778	827,052
October-14	24	64,039	81,727	39,712,002	671,522
November-14	24	64,039	81,727	39,712,002	671,522
December-14	24	64,039	81,727	39,712,002	671,522
January-15	25	61,556	79,226	38,123,219	718,036
February-15	25	61,556	79,226	38,123,219	718,036
March-15	25	61,556	79,226	38,123,219	718,036
April-15	26	59,194	76,847	36,614,173	827,052
May-15	26	117,143	141,160	43,296,778	827,052
June-15	26	117,143	141,160	43,296,778	827,052
July-15	27	114,751	138,761	41,891,691	827,052
August-15	27	114,751	138,761	41,891,691	827,052
September-15	27	114,751	138,761	41,891,691	827,052
October-15	28	54,474	72,101	33,598,975	862,764
November-15	28	54,474	72,101	33,598,975	862,764
December-15	28	54,474	72,101	33,598,975	862,764