

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

AMENDED
PREPARED DIRECT TESTIMONY
OF
SAN DIEGO GAS & ELECTRIC COMPANY

CHAPTER II

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

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

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

MARCH 2, 2009

Appendix A:

San Diego Gas & Electric Company

Portfolio Cost-Effectiveness IOU Preferred Scenario

Program Summary	Nominal	Present Value
Proposer Name	SDGE	
Program Name	SDGE Preferred IOU Core	
Total Program Budget (\$)	\$ 213,966,256	\$ 204,071,065
Net Participant Cost (\$)	\$ 84,729,928	\$ 74,376,886

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	596,063,267	5,934,318,909	14,305,554	193,200,660	95,795	67,258	129,346	96,469
2012-2015	-	-	-	-	-	-	-	-

Cost Effectiveness (Lifecycle Present Value Dollars)							
	Cost	Benefits			Benefit - Cost		
		Electric	Gas	Incentives	NPV	B/C Ratio	Notes
Program TRC (\$)	\$ 278,447,951	\$413,136,370	\$91,730,860	NA	\$226,419,279	1.81	*1
Program PAC (\$)	\$ 204,071,065	\$413,136,370	\$91,730,860	NA	\$300,796,165	2.47	*1,2
Program RIM (\$)	\$ 700,009,306	\$413,136,370	\$91,730,860	NA	(\$195,142,076)	0.72	*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)	3,545,232,200		\$ 0.0600	\$ 0.1165	\$ 0.0565	
PAC (\$/kWh)	3,545,232,200		\$ 0.0455	\$ 0.1165	\$ 0.0710	
RIM (\$/kWh)	3,545,232,200		\$ 0.1616	\$ 0.1165	\$ (0.0450)	
TRC (\$/therm)		104,331,788	\$ 0.58	\$ 0.88	\$ 0.2984	
PAC (\$/therm)		104,331,788	\$ 0.36	\$ 0.88	\$ 0.5182	
RIM (\$/therm)		104,331,788	\$ 1.22	\$ 0.88	\$ (0.3398)	

Emissions Reductions							
Annual Reductions	Electric Reductions			Gas Reductions			
	CO2 (tons)	NOX (lbs)	PM-10 (lbs)	CO2 (tons)	NOX (lbs)		
2009	108,037	28,907	13,916	26,242	53,135	* annual reductions are the units implemented in the year, times the annual emission reduction for the measure.	
2010	100,627	26,933	12,960	28,257	57,841		
2011	82,945	22,227	10,680	29,188	61,753		
2012	-	-	-	-	-		
2013	-	-	-	-	-		
2014	-	-	-	-	-		
2015	-	-	-	-	-		
Total Annual	291,609	78,067	37,556	83,687	172,729		
Lifecycle Reductions							
2009	1,035,024	278,422	133,130	352,985	733,247		
2010	975,481	262,510	125,458	378,940	794,544		
2011	835,408	225,163	107,399	398,299	861,679		
2012	-	-	-	-	-		
2013	-	-	-	-	-		
2014	-	-	-	-	-		
2015	-	-	-	-	-		
Total Lifecycle	2,845,913	766,095	365,988	1,130,224	2,389,469		

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	212,783,634	2,079,878,205	4,485,834	60,339,235	34,767	24,960	46,174.05	33,609.60	21,737
2010	202,639,346	2,005,127,653	4,830,264	64,776,103	32,807	23,222	43,972.74	32,541.43	33,858
2011	180,640,288	1,849,313,051	4,989,456	68,085,321	28,222	19,076	39,198.94	30,317.55	33,418
2012	-	-	-	-	-	-	-	-	15,304
2013	-	-	-	-	-	-	-	-	(547)
2014	-	-	-	-	-	-	-	-	(1,111)
2015	-	-	-	-	-	-	-	-	(882)
Total	596,063,267	5,934,318,909	14,305,554	193,200,660	95,795	67,258	129,346	96,469	101,776

Program Summary	Nominal	Present Value
Proposer Name	SDGE	
Program Name	SDGE Preferred IOU Core	
Total Program Budget (\$)	\$ 213,966,256	\$ 204,071,065
Net Participant Cost (\$)	\$ 84,729,928	\$ 74,376,886

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

Net Impacts by Sector (All Measures Installed through 2012)									
	Lifecycle Net		Annual Net	Lifecycle Net	Net July-Sept	Net Dec-Feb	Net CEC (kW)	User	TRC Lifecycle
	Annual Net kWh	kWh	Therms	Therms	Peak (kW)	(kW)		Entered kW	Net Benefits* (\$)
Total	516,144,995	5,003,021,874	12,900,184	172,120,110	95,795	67,258	112,003	80,417	231,565,641
RES	-	-	-	-	-	-	-	-	-
NON_RES	-	-	-	-	-	-	-	-	-
Residential	280,737,841	1,799,590,640	3,155,443	40,382,461	44,846	37,503	60,920	27,634	95,357,579
Commercial	235,407,154	3,203,431,234	7,601,131	111,487,297	50,950	29,755	51,083	52,783	129,528,418
Industrial	-	-	953,230	14,298,450	-	-	-	-	4,501,997
Agricultural	-	-	1,190,380	5,951,902	-	-	-	-	2,177,648

* 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)									
	Lifecycle Net		Annual Net	Lifecycle Net	Net July-Sept	Net Dec-Feb	Net CEC (kW)	User	TRC Lifecycle
	Annual Net kWh	kWh	Therms	Therms	Peak (kW)	Pk (kW)		Entered kW	Net Benefits* (\$)
Total	516,144,995	5,003,021,874	6,789,060	87,034,802	95,795	67,258	112,003	80,417	206,386,880
Clothes Dryer	-	-	-	-	-	-	-	-	-
Clothes Washer	1,095,095	12,046,049	592,941	6,522,347	153	153	238	148	829,686
Consumer Electronics	-	-	-	-	-	-	-	-	-
Cooking	-	-	-	-	-	-	-	-	-
Dishwasher	269,325	2,962,575	46,883	515,708	69	69	58	90	(2,198,376)
Other Appliance	-	-	-	-	-	-	-	-	-
Office Equipment	56,806,259	818,908,238	-	-	10,991	6,879	12,327	14,011	34,699,783
Building shell	-	-	-	-	-	-	-	-	-
Space Cooling	64,271,994	1,052,944,051	828,147	16,562,938	29,012	9,139	13,947	27,810	47,085,685
Space Heating	-	-	34,807	696,145	-	-	-	-	(176,056)
Ventilation	7,322,172	109,832,580	307,892	3,386,810	1,517	885	1,589	-	5,698,508
Interior Lighting	303,591,025	2,092,453,753	-	-	42,957	40,788	65,879	29,926	92,500,208
Exterior Lighting	32,632,500	489,487,500	-	-	4,340	3,622	7,081	2,284	15,587,661
Daylighting	-	-	-	-	-	-	-	-	-
Motors	-	-	-	-	-	-	-	-	-
Process	6,662,426	97,594,260	3,393,677	38,106,742	907	1,001	1,446	715	(5,570,530)
Compressed Air	-	-	-	-	-	-	-	-	-
Food Processor	-	-	-	-	-	-	-	-	-
Refrigeration	42,494,599	316,796,867	(4,204)	(63,067)	5,793	4,667	9,221	5,048	11,830,518
Freezers	-	-	-	-	-	-	-	-	-
Pumps	-	-	-	-	-	-	-	-	-
Pool Pump	999,600	9,996,000	-	-	55	55	217	386	301,635
Domestic Hot Water	-	-	-	-	-	-	-	-	-
Water Heating	-	-	1,588,918	21,307,181	-	-	-	-	5,798,158
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)									
	Lifecycle Net		Annual Net	Lifecycle Net	Net July-Sept	Net dec-Feb	Net CEC (kW)	User	TRC Lifecycle
	Annual Net kWh	kWh	Therms	Therms	Peak (kW)	Pk (kW)		Entered kW	Net Benefits* (\$)
Total	596,063,267	5,934,318,909	14,305,554	193,200,660	95,795	67,258	129,346	129,346	226,419,279
7	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-
System	596,063,267	5,934,318,909	14,305,554	193,200,660	95,795	67,258	129,346	129,346	226,419,279

* 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	17,383	24,960
2010	51,170	48,182
2011	81,685	67,155
2012	95,465	66,940
2013	94,713	66,108
2014	93,624	65,385

Program Summary	Nominal	Present Value
Proposer Name	SDGE	
Program Name	SDGE Preferred IOU Core	
Total Program Budget (\$)	\$ 213,966,256	\$ 204,071,065
Net Participant Cost (\$)	\$ 84,729,928	\$ 74,376,886

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2015	89,251	54,083
2016	74,921	40,805

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	6,240	7,246	3,973,186	65,443	
May-09	2	8,692	9,431	4,005,250	65,443	
June-09	2	8,692	9,431	4,005,250	65,443	
July-09	3	17,383	18,862	8,010,500	130,887	
August-09	3	17,383	18,862	8,010,500	130,887	
September-09	3	17,383	18,862	8,010,500	130,887	
October-09	4	18,720	21,737	11,919,558	364,399	
November-09	4	18,720	21,737	11,919,558	364,399	
December-09	4	18,720	21,737	11,919,558	364,399	
January-10	5	24,960	28,982	15,892,744	485,866	
February-10	5	24,960	28,982	15,892,744	485,866	
March-10	5	24,960	28,982	15,892,744	485,866	
April-10	6	30,766	35,729	19,579,913	333,132	
May-10	6	42,968	46,659	19,766,917	333,132	
June-10	6	42,968	46,659	19,766,917	333,132	
July-10	7	51,170	55,594	23,512,835	404,491	
August-10	7	51,170	55,594	23,512,835	404,491	
September-10	7	51,170	55,594	23,512,835	404,491	
October-10	8	42,376	49,223	26,954,250	875,572	
November-10	8	42,376	49,223	26,954,250	875,572	
December-10	8	42,376	49,223	26,954,250	875,572	
January-11	9	48,182	55,970	30,641,418	1,005,474	
February-11	9	48,182	55,970	30,641,418	1,005,474	
March-11	9	48,182	55,970	30,641,418	1,005,474	
April-11	10	52,951	61,554	33,645,680	618,357	
May-11	10	74,629	81,239	34,130,329	618,357	
June-11	10	74,629	81,239	34,130,329	618,357	
July-11	11	81,685	89,012	37,255,988	689,505	
August-11	11	81,685	89,012	37,255,988	689,505	
September-11	11	81,685	89,012	37,255,988	689,505	
October-11	12	62,437	72,629	39,619,946	1,415,712	
November-11	12	62,437	72,629	39,619,946	1,415,712	
December-11	12	62,437	72,629	39,619,946	1,415,712	
January-12	13	67,155	78,121	42,589,950	1,552,458	
February-12	13	67,155	78,121	42,589,950	1,552,458	
March-12	13	67,155	78,121	42,589,950	1,552,458	
April-12	14	67,103	78,030	42,555,692	831,801	
May-12	14	95,552	104,316	43,403,039	831,801	
June-12	14	95,552	104,316	43,403,039	831,801	
July-12	15	95,465	104,229	43,365,645	831,801	
August-12	15	95,465	104,229	43,365,645	831,801	
September-12	15	95,465	104,229	43,365,645	831,801	
October-12	16	66,994	77,837	42,483,308	1,552,458	
November-12	16	66,994	77,837	42,483,308	1,552,458	
December-12	16	66,994	77,837	42,483,308	1,552,458	
January-13	17	66,940	77,743	42,447,783	1,552,458	
February-13	17	66,940	77,743	42,447,783	1,552,458	
March-13	17	66,940	77,743	42,447,783	1,552,458	
April-13	18	66,727	77,471	42,291,416	831,801	
May-13	18	95,005	103,769	43,133,586	831,801	
June-13	18	95,005	103,769	43,133,586	831,801	
July-13	19	94,713	103,477	42,973,609	831,801	
August-13	19	94,713	103,477	42,973,609	831,801	
September-13	19	94,713	103,477	42,973,609	831,801	
October-13	20	66,310	76,946	41,986,031	1,552,458	

Program Summary	Nominal	Present Value
Proposer Name	SDGE	
Program Name	SDGE Preferred IOU Core	
Total Program Budget (\$)	\$ 213,966,256	\$ 204,071,065
Net Participant Cost (\$)	\$ 84,729,928	\$ 74,376,886

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November-13	20	66,310	76,946	41,986,031	1,552,458
December-13	20	66,310	76,946	41,986,031	1,552,458
January-14	21	66,108	76,693	41,837,013	1,552,458
February-14	21	66,108	76,693	41,837,013	1,552,458
March-14	21	66,108	76,693	41,837,013	1,552,458
April-14	22	65,908	76,444	41,690,060	831,801
May-14	22	93,894	102,658	42,518,128	831,801
June-14	22	93,894	102,658	42,518,128	831,801
July-14	23	93,624	102,388	42,367,691	831,801
August-14	23	93,624	102,388	42,367,691	831,801
September-14	23	93,624	102,388	42,367,691	831,801
October-14	24	65,546	76,013	41,421,731	1,507,744
November-14	24	65,546	76,013	41,421,731	1,507,744
December-14	24	65,546	76,013	41,421,731	1,507,744
January-15	25	65,385	75,831	41,300,355	1,492,839
February-15	25	65,385	75,831	41,300,355	1,492,839
March-15	25	65,385	75,831	41,300,355	1,492,839
April-15	26	65,237	75,665	41,189,477	831,801
May-15	26	93,012	101,776	42,004,977	831,801
June-15	26	93,012	101,776	42,004,977	831,801
July-15	27	89,251	98,015	39,889,982	831,801
August-15	27	89,251	98,015	39,889,982	831,801
September-15	27	89,251	98,015	39,889,982	831,801
October-15	28	57,801	68,197	36,331,607	1,442,368
November-15	28	57,801	68,197	36,331,607	1,442,368
December-15	28	57,801	68,197	36,331,607	1,442,368

Program Summary	Nominal	Present Value
Proposer Name	SDGE	
Program Name	SDGE Preferred Partnerships	
Total Program Budget (\$)	\$ 37,496,008	\$ 37,496,008
Net Participant Cost (\$)	\$ -	\$ -

Avoided Cost Version
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5/22/2008
Base Year
2009
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Program Impacts								
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net Jul-Sept PK (kW)	Net Dec-Feb PK (kW)	Net CEC (kW)	User Entered kW
2009-2011	-	-	-	-	-	-	-	-
2012-2015	-	-	-	-	-	-	-	-

Cost Effectiveness (Lifecycle Present Value Dollars)							
	Cost	Benefits			Benefit - Cost		
		Electric	Gas	Incentives	NPV	B/C Ratio	Notes
Program TRC (\$)	\$ 37,496,008	\$0	\$0	NA	(\$37,496,008)	-	*1
Program PAC (\$)	\$ 37,496,008	\$0	\$0	NA	(\$37,496,008)	-	*1,2
Program RIM (\$)	\$ 37,496,008	\$0	\$0	NA	(\$37,496,008)	-	*1

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

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

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

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

Program Summary	Nominal	Present Value
Proposer Name	SDGE	
Program Name	SDGE Preferred Partnerships	
Total Program Budget (\$)	\$ 37,496,008	\$ 37,496,008
Net Participant Cost (\$)	\$ -	\$ -

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

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

Net Impacts by Climate Zone (All Measures Installed through 2012)									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net dec-Feb Pk (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
Total	-	-	-	-	-	-	-	-	#DIV/0!
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	-	-
2014	-	-

Program Summary	Nominal	Present Value
Proposer Name	SDGE	
Program Name	SDGE Preferred Partnerships	
Total Program Budget (\$)	\$ 37,496,008	\$ 37,496,008
Net Participant Cost (\$)	\$ -	\$ -

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2015	-	-
2016	-	-

Monthly Impacts						
First Year for Impact Table:		2009	Monthly Five	Net Monthly	Monthly Net	Monthly Net
	Quarter		Hour Avg or TOU Peak	NCP (kW)	kWh	Therms
January-09	1		-	-	-	-
February-09	1		-	-	-	-
March-09	1		-	-	-	-
April-09	2		-	-	-	-
May-09	2		-	-	-	-
June-09	2		-	-	-	-
July-09	3		-	-	-	-
August-09	3		-	-	-	-
September-09	3		-	-	-	-
October-09	4		-	-	-	-
November-09	4		-	-	-	-
December-09	4		-	-	-	-
January-10	5		-	-	-	-
February-10	5		-	-	-	-
March-10	5		-	-	-	-
April-10	6		-	-	-	-
May-10	6		-	-	-	-
June-10	6		-	-	-	-
July-10	7		-	-	-	-
August-10	7		-	-	-	-
September-10	7		-	-	-	-
October-10	8		-	-	-	-
November-10	8		-	-	-	-
December-10	8		-	-	-	-
January-11	9		-	-	-	-
February-11	9		-	-	-	-
March-11	9		-	-	-	-
April-11	10		-	-	-	-
May-11	10		-	-	-	-
June-11	10		-	-	-	-
July-11	11		-	-	-	-
August-11	11		-	-	-	-
September-11	11		-	-	-	-
October-11	12		-	-	-	-
November-11	12		-	-	-	-
December-11	12		-	-	-	-
January-12	13		-	-	-	-
February-12	13		-	-	-	-
March-12	13		-	-	-	-
April-12	14		-	-	-	-
May-12	14		-	-	-	-
June-12	14		-	-	-	-
July-12	15		-	-	-	-
August-12	15		-	-	-	-
September-12	15		-	-	-	-
October-12	16		-	-	-	-
November-12	16		-	-	-	-
December-12	16		-	-	-	-
January-13	17		-	-	-	-
February-13	17		-	-	-	-
March-13	17		-	-	-	-
April-13	18		-	-	-	-
May-13	18		-	-	-	-
June-13	18		-	-	-	-
July-13	19		-	-	-	-
August-13	19		-	-	-	-
September-13	19		-	-	-	-
October-13	20		-	-	-	-

Program Summary	Nominal	Present Value
Proposer Name	SDGE	
Program Name	SDGE Preferred Partnerships	
Total Program Budget (\$)	\$ 37,496,008	\$ 37,496,008
Net Participant Cost (\$)	\$ -	\$ -

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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	SDGE	
Program Name	SDGE Preferred 3Party	
Total Program Budget (\$)	\$ 70,156,698	\$ 66,074,809
Net Participant Cost (\$)	\$ (2,559,374)	\$ (2,240,126)

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Program Impacts								
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net Jul-Sept PK (kW)	Net Dec-Feb PK (kW)	Net CEC (kW)	User Entered kW
2009-2011	128,129,710	1,559,010,735	902,018	9,129,103	24,279	15,839	27,804	27,504
2012-2015	-	-	-	-	-	-	-	-

Cost Effectiveness (Lifecycle Present Value Dollars)							
	Cost	Benefits			Benefit - Cost		Notes
		Electric	Gas	Incentives	NPV	B/C Ratio	
Program TRC (\$)	\$ 63,834,683	\$123,294,509	\$5,220,201	NA	\$64,680,027	2.01	*1
Program PAC (\$)	\$ 66,074,809	\$123,294,509	\$5,220,201	NA	\$62,439,901	1.94	*1,2
Program RIM (\$)	\$ 195,894,957	\$123,294,509	\$5,220,201	NA	(\$67,380,247)	0.66	*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)	894,959,184		\$ 0.0688	\$ 0.1378	\$ 0.0690	
PAC (\$/kWh)	894,959,184		\$ 0.0713	\$ 0.1378	\$ 0.0665	
RIM (\$/kWh)	894,959,184		\$ 0.2100	\$ 0.1378	\$ (0.0722)	
TRC (\$/therm)		5,677,153	\$ 0.40	\$ 0.92	\$ 0.5221	
PAC (\$/therm)		5,677,153	\$ 0.40	\$ 0.92	\$ 0.5221	
RIM (\$/therm)		5,677,153	\$ 1.40	\$ 0.92	\$ (0.4821)	

Emissions Reductions						
Annual Reductions	Electric Reductions			Gas Reductions		
	CO2 (tons)	NOX (lbs)	PM-10 (lbs)	CO2 (tons)	NOX (lbs)	
2009	24,680	6,609	3,178	1,759	5,550	* annual reductions are the units implemented in the year, times the annual emission reduction for the measure.
2010	23,924	6,403	3,081	1,759	5,550	
2011	23,772	6,362	3,062	1,759	5,550	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
Total Annual	72,377	19,374	9,322	5,277	16,650	
Lifecycle Reductions						
2009	302,889	81,336	38,977	17,802	55,833	
2010	291,542	78,250	37,522	17,802	55,833	
2011	289,272	77,633	37,231	17,802	55,833	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
Total Lifecycle	883,704	237,218	113,729	53,405	167,498	

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	43,672,897	534,115,150	300,673	3,043,034	8,279	5,396	9,477.02	9,434.65	5,547
2010	42,359,724	514,417,553	300,673	3,043,034	8,025	5,237	9,192.06	9,070.91	7,529
2011	42,097,089	510,478,033	300,673	3,043,034	7,975	5,206	9,135.07	8,998.16	8,523
2012	-	-	-	-	-	-	-	-	4,141
2013	-	-	-	-	-	-	-	-	(430)
2014	-	-	-	-	-	-	-	-	(430)
2015	-	-	-	-	-	-	-	-	(323)
Total	128,129,710	1,559,010,735	902,018	9,129,103	24,279	15,839	27,804	27,504	24,557

Program Summary	Nominal	Present Value
Proposer Name	SDGE	
Program Name	SDGE Preferred 3Party	
Total Program Budget (\$)	\$ 70,156,698	\$ 66,074,809
Net Participant Cost (\$)	\$ (2,559,374)	\$ (2,240,126)

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Net Impacts by Sector (All Measures Installed through 2012)									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
Total	128,129,710	1,559,010,735	902,018	9,129,103	24,279	15,839	27,804	27,504	64,680,027
RES	-	-	-	-	-	-	-	-	-
NON_RES	-	-	-	-	-	-	-	-	-
Residential	66,170,719	660,606,601	731,018	7,419,103	9,986	8,844	14,359	11,259	34,948,395
Commercial	61,958,991	898,404,134	171,000	1,710,000	14,293	6,995	13,445	16,245	29,731,632
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* (\$)
Total	128,129,710	1,559,010,735	184,616	1,955,083	24,279	15,839	27,804	27,504	62,256,031
Clothes Dryer	-	-	-	-	-	-	-	-	-
Clothes Washer	-	-	-	-	-	-	-	-	-
Consumer Electronics	-	-	-	-	-	-	-	-	-
Cooking	-	-	-	-	-	-	-	-	-
Dishwasher	-	-	-	-	-	-	-	-	-
Other Appliance	-	-	-	-	-	-	-	-	-
Office Equipment	48,324,771	724,871,565	-	-	9,344	5,843	10,486	13,386	18,761,648
Building shell	-	-	-	-	-	-	-	-	-
Space Cooling	14,471,539	180,805,170	184,616	1,955,083	6,102	1,163	3,140	4,052	10,922,126
Space Heating	-	-	-	-	-	-	-	-	-
Ventilation	-	-	-	-	-	-	-	-	-
Interior Lighting	-	-	-	-	-	-	-	-	-
Exterior Lighting	-	-	-	-	-	-	-	-	-
Daylighting	-	-	-	-	-	-	-	-	-
Motors	-	-	-	-	-	-	-	-	-
Process	-	-	-	-	-	-	-	-	-
Compressed Air	-	-	-	-	-	-	-	-	-
Food Processor	-	-	-	-	-	-	-	-	-
Refrigeration	65,333,400	653,334,000	-	-	8,833	8,833	14,177	10,066	32,572,257
Freezers	-	-	-	-	-	-	-	-	-
Pumps	-	-	-	-	-	-	-	-	-
Pool Pump	-	-	-	-	-	-	-	-	-
Domestic Hot Water	-	-	-	-	-	-	-	-	-
Water Heating	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-

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

Net Impacts by Climate Zone (All Measures Installed through 2012)									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net dec-Feb Pk (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
Total	128,129,710	1,559,010,735	902,018	9,129,103	24,279	15,839	27,804	27,804	64,680,027
7	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-
System	128,129,710	1,559,010,735	902,018	9,129,103	24,279	15,839	27,804	27,804	64,680,027

* 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	4,140	5,396
2010	12,292	10,634
2011	20,292	15,839
2012	24,170	15,832
2013	23,952	15,824
2014	23,733	15,817

Program Summary	Nominal	Present Value
Proposer Name	SDGE	
Program Name	SDGE Preferred 3Party	
Total Program Budget (\$)	\$ 70,156,698	\$ 66,074,809
Net Participant Cost (\$)	\$ (2,559,374)	\$ (2,240,126)

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2015	23,624	15,817
2016	23,624	15,817

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	1,349	1,849	852,097	5,077	
May-09	2	2,070	2,201	990,634	5,077	
June-09	2	2,070	2,201	990,634	5,077	
July-09	3	4,140	4,401	1,981,269	10,153	
August-09	3	4,140	4,401	1,981,269	10,153	
September-09	3	4,140	4,401	1,981,269	10,153	
October-09	4	4,047	5,547	2,556,291	22,355	
November-09	4	4,047	5,547	2,556,291	22,355	
December-09	4	4,047	5,547	2,556,291	22,355	
January-10	5	5,396	7,396	3,408,388	29,806	
February-10	5	5,396	7,396	3,408,388	29,806	
March-10	5	5,396	7,396	3,408,388	29,806	
April-10	6	6,706	9,171	4,233,293	25,383	
May-10	6	10,286	10,939	4,925,589	25,383	
June-10	6	10,286	10,939	4,925,589	25,383	
July-10	7	12,292	13,076	5,888,640	30,459	
August-10	7	12,292	13,076	5,888,640	30,459	
September-10	7	12,292	13,076	5,888,640	30,459	
October-10	8	9,324	12,721	5,883,104	52,161	
November-10	8	9,324	12,721	5,883,104	52,161	
December-10	8	9,324	12,721	5,883,104	52,161	
January-11	9	10,634	14,496	6,708,009	59,612	
February-11	9	10,634	14,496	6,708,009	59,612	
March-11	9	10,634	14,496	6,708,009	59,612	
April-11	10	11,935	16,257	7,527,475	45,689	
May-11	10	18,298	19,475	8,772,277	45,689	
June-11	10	18,298	19,475	8,772,277	45,689	
July-11	11	20,292	21,599	9,729,812	50,765	
August-11	11	20,292	21,599	9,729,812	50,765	
September-11	11	20,292	21,599	9,729,812	50,765	
October-11	12	14,538	19,777	9,166,408	81,967	
November-11	12	14,538	19,777	9,166,408	81,967	
December-11	12	14,538	19,777	9,166,408	81,967	
January-12	13	15,839	21,538	9,985,875	89,418	
February-12	13	15,839	21,538	9,985,875	89,418	
March-12	13	15,839	21,538	9,985,875	89,418	
April-12	14	15,837	21,536	9,984,646	60,918	
May-12	14	24,225	25,740	11,637,037	60,918	
June-12	14	24,225	25,740	11,637,037	60,918	
July-12	15	24,170	25,632	11,629,193	60,918	
August-12	15	24,170	25,632	11,629,193	60,918	
September-12	15	24,170	25,632	11,629,193	60,918	
October-12	16	15,834	21,532	9,982,189	89,418	
November-12	16	15,834	21,532	9,982,189	89,418	
December-12	16	15,834	21,532	9,982,189	89,418	
January-13	17	15,832	21,530	9,980,961	89,418	
February-13	17	15,832	21,530	9,980,961	89,418	
March-13	17	15,832	21,530	9,980,961	89,418	
April-13	18	15,830	21,528	9,979,732	60,918	
May-13	18	24,006	25,310	11,605,661	60,918	
June-13	18	24,006	25,310	11,605,661	60,918	
July-13	19	23,952	25,202	11,597,817	60,918	
August-13	19	23,952	25,202	11,597,817	60,918	
September-13	19	23,952	25,202	11,597,817	60,918	
October-13	20	15,826	21,524	9,977,275	89,418	

Program Summary	Nominal	Present Value
Proposer Name	SDGE	
Program Name	SDGE Preferred 3Party	
Total Program Budget (\$)	\$ 70,156,698	\$ 66,074,809
Net Participant Cost (\$)	\$ (2,559,374)	\$ (2,240,126)

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November-13	20	15,826	21,524	9,977,275	89,418
December-13	20	15,826	21,524	9,977,275	89,418
January-14	21	15,824	21,521	9,976,046	89,418
February-14	21	15,824	21,521	9,976,046	89,418
March-14	21	15,824	21,521	9,976,046	89,418
April-14	22	15,822	21,519	9,974,818	60,918
May-14	22	23,788	24,879	11,574,286	60,918
June-14	22	23,788	24,879	11,574,286	60,918
July-14	23	23,733	24,772	11,566,442	60,918
August-14	23	23,733	24,772	11,566,442	60,918
September-14	23	23,733	24,772	11,566,442	60,918
October-14	24	15,819	21,515	9,972,360	89,418
November-14	24	15,819	21,515	9,972,360	89,418
December-14	24	15,819	21,515	9,972,360	89,418
January-15	25	15,817	21,513	9,971,132	89,418
February-15	25	15,817	21,513	9,971,132	89,418
March-15	25	15,817	21,513	9,971,132	89,418
April-15	26	15,817	21,513	9,971,132	60,918
May-15	26	23,624	24,557	11,550,754	60,918
June-15	26	23,624	24,557	11,550,754	60,918
July-15	27	23,624	24,557	11,550,754	60,918
August-15	27	23,624	24,557	11,550,754	60,918
September-15	27	23,624	24,557	11,550,754	60,918
October-15	28	15,817	21,513	9,971,132	89,418
November-15	28	15,817	21,513	9,971,132	89,418
December-15	28	15,817	21,513	9,971,132	89,418

Program Summary	Nominal	Present Value
Proposer Name	SDG&E	
Program Name	0	
Total Program Budget (\$)	\$ 321,618,963	\$ 307,641,883
Net Participant Cost (\$)	\$ 82,170,554	\$ 72,136,760

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Program Impacts								
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net Jul-Sept Pk (kW)	Net Dec-Feb Pk (kW)	Net CEC (kW)	User Entered kW
2009-2011	724,192,978	7,493,329,644	15,207,572	202,329,763	120,075	83,097	157,150	123,972
2012-2015	-	-	-	-	-	-	-	-

Cost Effectiveness (Lifecycle Present Value Dollars)							
	Cost	Benefits			Benefit - Cost		Notes
		Electric	Gas	Incentives	NPV	B/C Ratio	
Program TRC (\$)	\$ 379,778,643	\$536,430,879	\$96,951,062	NA	\$253,603,298	1.67	*1
Program PAC (\$)	\$ 307,641,883	\$536,430,879	\$96,951,062	NA	\$325,740,058	2.06	*1,2
Program RIM (\$)	\$ 933,400,271	\$536,430,879	\$96,951,062	NA	(\$300,018,331)	0.68	*1

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

Levelized Cost and Benefit (All Measures Installed through 2012)						
	Discounted Savings		Cost	Benefits	Benefit - Cost	
	kWh	Therms			NPV	
TRC (\$/kWh)	4,440,191,384		\$ 0.0688	\$ 0.1208	\$ 0.0520	
PAC (\$/kWh)	4,440,191,384		\$ 0.0578	\$ 0.1208	\$ 0.0630	
RIM (\$/kWh)	4,440,191,384		\$ 0.1780	\$ 0.1208	\$ (0.0572)	
TRC (\$/therm)		110,008,941	\$ 0.63	\$ 0.88	\$ 0.2547	
PAC (\$/therm)		110,008,941	\$ 0.42	\$ 0.88	\$ 0.4631	
RIM (\$/therm)		110,008,941	\$ 1.30	\$ 0.88	\$ (0.4175)	

Emissions Reductions						
Annual Reductions	Electric Reductions			Gas Reductions		
	CO2 (tons)	NOX (lbs)	PM-10 (lbs)	CO2 (tons)	NOX (lbs)	
2009	132,718	35,516	17,094	28,001	58,685	* annual reductions are the units implemented in the year, times the annual emission reduction for the measure.
2010	124,551	33,336	16,042	30,016	63,391	
2011	106,718	28,589	13,741	30,947	67,303	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
Total Annual	363,986	97,441	46,877	88,964	189,379	
Lifecycle Reductions						
2009	1,337,913	359,758	172,107	370,786	789,079	
2010	1,267,022	340,759	162,980	396,742	850,376	
2011	1,124,680	302,796	144,630	416,101	917,511	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
Total Lifecycle	3,729,616	1,003,313	479,717	1,183,629	2,556,966	

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	256,456,531	2,613,993,354	4,786,507	63,382,269	43,046	30,356	55,651.07	43,044.25	27,283
2010	244,999,070	2,519,545,206	5,130,937	67,819,137	40,832	28,459	53,164.80	41,612.34	41,387
2011	222,737,377	2,359,791,084	5,290,129	71,128,356	36,196	24,282	48,334.01	39,315.71	41,941
2012	-	-	-	-	-	-	-	-	19,445
2013	-	-	-	-	-	-	-	-	(977)
2014	-	-	-	-	-	-	-	-	(1,541)
2015	-	-	-	-	-	-	-	-	(1,205)
Total	724,192,978	7,493,329,644	15,207,572	202,329,763	120,075	83,097	157,150	123,972	126,333

Program Summary	Nominal	Present Value
Proposer Name	SDG&E	
Program Name	0	
Total Program Budget (\$)	\$ 321,618,963	\$ 307,641,883
Net Participant Cost (\$)	\$ 82,170,554	\$ 72,136,760

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Net Impacts by Sector (All Measures Installed through 2012)

	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
Total	644,274,706	6,562,032,609	13,802,202	181,249,213	120,075	83,097	139,808	107,920	258,749,660
RES	-	-	-	-	-	-	-	-	-
NON_RES	-	-	-	-	-	-	-	-	-
Residential	346,908,561	2,460,197,241	3,886,460	47,801,564	54,832	46,347	75,279	38,893	116,124,691
Commercial	297,366,145	4,101,835,368	7,772,131	113,197,297	65,243	36,750	64,528	69,028	136,716,864
Industrial	-	-	953,230	14,298,450	-	-	-	-	4,039,034
Agricultural	-	-	1,190,380	5,951,902	-	-	-	-	1,869,072

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

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

	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb Pk (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
Total	644,274,706	6,562,032,609	6,973,676	88,989,885	120,075	83,097	139,808	107,920	234,199,970
Clothes Dryer	-	-	-	-	-	-	-	-	-
Clothes Washer	1,095,095	12,046,049	592,941	6,522,347	153	153	238	148	535,268
Consumer Electronics	-	-	-	-	-	-	-	-	-
Cooking	-	-	-	-	-	-	-	-	-
Dishwasher	269,325	2,962,575	46,883	515,708	69	69	58	90	(2,232,832)
Other Appliance	-	-	-	-	-	-	-	-	-
Office Equipment	105,131,030	1,543,779,803	-	-	20,336	12,722	22,813	27,396	47,340,624
Building shell	-	-	-	-	-	-	-	-	-
Space Cooling	78,743,533	1,233,749,222	1,012,763	18,518,021	35,114	10,302	17,087	31,862	50,508,785
Space Heating	-	-	34,807	696,145	-	-	-	-	(198,634)
Ventilation	7,322,172	109,832,580	307,892	3,386,810	1,517	885	1,589	-	5,065,784
Interior Lighting	303,591,025	2,092,453,753	-	-	42,957	40,788	65,879	29,926	80,902,729
Exterior Lighting	32,632,500	489,487,500	-	-	4,340	3,622	7,081	2,284	13,483,832
Daylighting	-	-	-	-	-	-	-	-	-
Motors	-	-	-	-	-	-	-	-	-
Process	6,662,426	97,594,260	3,393,677	38,106,742	907	1,001	1,446	715	(7,359,451)
Compressed Air	-	-	-	-	-	-	-	-	-
Food Processor	-	-	-	-	-	-	-	-	-
Refrigeration	107,827,999	970,130,867	(4,204)	(63,067)	14,626	13,500	23,399	15,114	40,774,552
Freezers	-	-	-	-	-	-	-	-	-
Pumps	-	-	-	-	-	-	-	-	-
Pool Pump	999,600	9,996,000	-	-	55	55	217	386	253,687
Domestic Hot Water	-	-	-	-	-	-	-	-	-
Water Heating	-	-	1,588,918	21,307,181	-	-	-	-	5,125,626
Other	-	-	-	-	-	-	-	-	-

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

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

	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net dec-Feb Pk (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
Total	724,192,978	7,493,329,644	15,207,572	202,329,763	120,075	83,097	157,150	157,150	253,603,298
7	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-
System	724,192,978	7,493,329,644	15,207,572	202,329,763	120,075	83,097	157,150	157,150	253,603,298

* 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	21,523	30,356
2010	63,462	58,815
2011	101,976	82,994
2012	119,635	82,772
2013	118,665	81,932
2014	117,357	81,202
2015	112,875	69,899
2016	98,545	56,622

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	-	-	-	-	-

Program Summary	Nominal	Present Value
Proposer Name	SDG&E	
Program Name		0
Total Program Budget (\$)	\$ 321,618,963	\$ 307,641,883
Net Participant Cost (\$)	\$ 82,170,554	\$ 72,136,760

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February-09	1	-	-	-	-
March-09	1	-	-	-	-
April-09	2	7,589	9,094	4,825,283	70,520
May-09	2	10,761	11,631	4,995,884	70,520
June-09	2	10,761	11,631	4,995,884	70,520
July-09	3	21,523	23,263	9,991,769	141,040
August-09	3	21,523	23,263	9,991,769	141,040
September-09	3	21,523	23,263	9,991,769	141,040
October-09	4	22,767	27,283	14,475,849	386,754
November-09	4	22,767	27,283	14,475,849	386,754
December-09	4	22,767	27,283	14,475,849	386,754
January-10	5	30,356	36,378	19,301,132	515,672
February-10	5	30,356	36,378	19,301,132	515,672
March-10	5	30,356	36,378	19,301,132	515,672
April-10	6	37,471	44,900	23,813,206	358,515
May-10	6	53,254	57,598	24,692,506	358,515
June-10	6	53,254	57,598	24,692,506	358,515
July-10	7	63,462	68,671	29,401,475	434,950
August-10	7	63,462	68,671	29,401,475	434,950
September-10	7	63,462	68,671	29,401,475	434,950
October-10	8	51,701	61,944	32,837,353	927,732
November-10	8	51,701	61,944	32,837,353	927,732
December-10	8	51,701	61,944	32,837,353	927,732
January-11	9	58,815	70,467	37,349,427	1,065,086
February-11	9	58,815	70,467	37,349,427	1,065,086
March-11	9	58,815	70,467	37,349,427	1,065,086
April-11	10	64,886	77,810	41,173,156	664,046
May-11	10	92,927	100,714	42,902,606	664,046
June-11	10	92,927	100,714	42,902,606	664,046
July-11	11	101,976	110,611	46,985,800	740,271
August-11	11	101,976	110,611	46,985,800	740,271
September-11	11	101,976	110,611	46,985,800	740,271
October-11	12	76,975	92,407	48,786,355	1,497,678
November-11	12	76,975	92,407	48,786,355	1,497,678
December-11	12	76,975	92,407	48,786,355	1,497,678
January-12	13	82,994	99,659	52,575,825	1,641,876
February-12	13	82,994	99,659	52,575,825	1,641,876
March-12	13	82,994	99,659	52,575,825	1,641,876
April-12	14	82,940	99,566	52,540,338	892,720
May-12	14	119,777	130,056	55,040,076	892,720
June-12	14	119,777	130,056	55,040,076	892,720
July-12	15	119,635	129,861	54,994,839	892,720
August-12	15	119,635	129,861	54,994,839	892,720
September-12	15	119,635	129,861	54,994,839	892,720
October-12	16	82,827	99,369	52,465,498	1,641,876
November-12	16	82,827	99,369	52,465,498	1,641,876
December-12	16	82,827	99,369	52,465,498	1,641,876
January-13	17	82,772	99,272	52,428,744	1,641,876
February-13	17	82,772	99,272	52,428,744	1,641,876
March-13	17	82,772	99,272	52,428,744	1,641,876
April-13	18	82,556	98,998	52,271,148	892,720
May-13	18	119,011	129,079	54,739,247	892,720
June-13	18	119,011	129,079	54,739,247	892,720
July-13	19	118,665	128,680	54,571,426	892,720
August-13	19	118,665	128,680	54,571,426	892,720
September-13	19	118,665	128,680	54,571,426	892,720
October-13	20	82,136	98,469	51,963,306	1,641,876
November-13	20	82,136	98,469	51,963,306	1,641,876
December-13	20	82,136	98,469	51,963,306	1,641,876
January-14	21	81,932	98,215	51,813,059	1,641,876
February-14	21	81,932	98,215	51,813,059	1,641,876
March-14	21	81,932	98,215	51,813,059	1,641,876
April-14	22	81,730	97,963	51,664,878	892,720
May-14	22	117,682	127,538	54,092,414	892,720
June-14	22	117,682	127,538	54,092,414	892,720
July-14	23	117,357	127,159	53,934,132	892,720
August-14	23	117,357	127,159	53,934,132	892,720
September-14	23	117,357	127,159	53,934,132	892,720
October-14	24	81,365	97,528	51,394,092	1,597,162
November-14	24	81,365	97,528	51,394,092	1,597,162
December-14	24	81,365	97,528	51,394,092	1,597,162
January-15	25	81,202	97,345	51,271,487	1,582,258
February-15	25	81,202	97,345	51,271,487	1,582,258
March-15	25	81,202	97,345	51,271,487	1,582,258
April-15	26	81,054	97,178	51,160,609	892,720
May-15	26	116,636	126,333	53,555,731	892,720
June-15	26	116,636	126,333	53,555,731	892,720

Program Summary	Nominal	Present Value
Proposer Name	SDG&E	
Program Name		0
Total Program Budget (\$)	\$ 321,618,963	\$ 307,641,883
Net Participant Cost (\$)	\$ 82,170,554	\$ 72,136,760

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July-15	27	112,875	122,572	51,440,736	892,720
August-15	27	112,875	122,572	51,440,736	892,720
September-15	27	112,875	122,572	51,440,736	892,720
October-15	28	73,618	89,710	46,302,738	1,531,786
November-15	28	73,618	89,710	46,302,738	1,531,786
December-15	28	73,618	89,710	46,302,738	1,531,786

Appendix A.1:

San Diego Gas & Electric Company

Portfolio Cost-Effectiveness Mandated Scenario

Program Summary	Nominal	Present Value
Proposer Name	SDGE	
Program Name	SDGE Compliance IOU Core	
Total Program Budget (\$)	\$ 368,133,120	\$ 340,435,513
Net Participant Cost (\$)	\$ 25,515,268	\$ 22,348,577

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Program Impacts								
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net Jul-Sept Peak (kW)	Net Dec-Feb Peak (kW)	Net CEC (kW)	User Entered kW
2009-2011	531,121,557	5,758,475,051	8,954,449	153,475,351	90,416	57,728	115,253	108,815
2012-2015	-	-	-	-	-	-	-	-

Cost Effectiveness (Lifecycle Present Value Dollars)							
	Cost	Benefits			Benefit - Cost		Notes
		Electric	Gas	Incentives	NPV	B/C Ratio	
Program TRC (\$)	\$ 362,784,091	\$390,325,594	\$66,603,272	NA	\$94,144,776	1.26	*1
Program PAC (\$)	\$ 340,435,513	\$390,325,594	\$66,603,272	NA	\$116,493,354	1.34	*1,2
Program RIM (\$)	\$ 762,894,343	\$390,325,594	\$66,603,272	NA	(\$305,965,476)	0.60	*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)	3,299,553,435		\$ 0.0905	\$ 0.1183	\$ 0.0278	
PAC (\$/kWh)	3,299,553,435		\$ 0.0832	\$ 0.1183	\$ 0.0351	
RIM (\$/kWh)	3,299,553,435		\$ 0.1975	\$ 0.1183	\$ (0.0792)	
TRC (\$/therm)		78,662,104	\$ 0.81	\$ 0.85	\$ 0.0322	
PAC (\$/therm)		78,662,104	\$ 0.84	\$ 0.85	\$ 0.0098	
RIM (\$/therm)		78,662,104	\$ 1.41	\$ 0.85	\$ (0.5670)	

Emissions Reductions						
Annual Reductions	Electric Reductions			Gas Reductions		
	CO2 (tons)	NOX (lbs)	PM-10 (lbs)	CO2 (tons)	NOX (lbs)	
2009	85,474	22,961	10,998	17,802	38,831	* annual reductions are the units implemented in the year, times the annual emission reduction for the measure.
2010	85,474	22,961	10,998	17,840	38,998	
2011	85,475	22,961	10,998	16,742	35,692	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
Total Annual	256,423	68,882	32,994	52,384	113,522	
Lifecycle Reductions						
2009	920,365	248,545	118,260	302,979	646,094	
2010	920,365	248,545	118,260	303,218	647,540	
2011	920,379	248,548	118,262	291,634	613,531	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
Total Lifecycle	2,761,109	745,638	354,783	897,831	1,907,164	

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	172,080,923	1,870,295,781	3,043,057	51,791,317	30,139	19,242	37,341.56	35,598.25	18,152
2010	174,808,404	1,897,929,466	3,049,572	51,832,122	30,139	19,242	37,933.42	36,033.25	31,887
2011	184,232,230	1,990,249,805	2,861,820	49,851,911	30,139	19,243	39,978.39	37,183.49	33,360
2012	-	-	-	-	-	-	-	-	16,352
2013	-	-	-	-	-	-	-	-	(657)
2014	-	-	-	-	-	-	-	-	(1,227)
2015	-	-	-	-	-	-	-	-	(6,230)
Total	531,121,557	5,758,475,051	8,954,449	153,475,351	90,416	57,728	115,253	108,815	91,639

Program Summary	Nominal	Present Value
Proposer Name	SDGE	
Program Name	SDGE Compliance IOU Core	
Total Program Budget (\$)	\$ 368,133,120	\$ 340,435,513
Net Participant Cost (\$)	\$ 25,515,268	\$ 22,348,577

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Net Impacts by Sector (All Measures Installed through 2012)									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
Total	451,956,574	4,834,710,906	7,549,079	132,394,801	90,416	57,728	98,075	92,971	94,144,776
RES	-	-	-	-	-	-	-	-	-
NON_RES	-	-	-	-	-	-	-	-	-
Residential	167,684,434	955,175,057	(416,996)	17,068,883	30,083	22,049	36,388	31,375	5,229,710
Commercial	284,272,139	3,879,535,849	6,378,494	98,468,691	60,333	35,679	61,687	61,596	84,312,269
Industrial	-	-	891,932	13,378,982	-	-	-	-	3,821,802
Agricultural	-	-	695,649	3,478,244	-	-	-	-	780,995

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

Net Impacts by CPUC End Use Categories (All Measures Installed through 2012)									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb Pk (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
Total	451,956,574	4,834,710,906	2,760,144	61,951,416	90,416	57,728	98,075	92,971	79,046,627
Clothes Dryer	-	-	-	-	-	-	-	-	-
Clothes Washer	1,715,914	18,875,050	929,083	10,219,916	240	240	372	231	213,833
Consumer Electronics	-	-	-	-	-	-	-	-	-
Cooking	-	-	-	-	-	-	-	-	-
Dishwasher	397,159	4,368,751	69,135	760,486	102	102	86	132	(4,241,730)
Other Appliance	-	-	-	-	-	-	-	-	-
Office Equipment	80,798,634	1,164,101,674	(118,562)	(1,588,248)	15,632	9,781	17,533	18,317	39,084,386
Building shell	-	-	-	-	-	-	-	-	-
Space Cooling	68,065,420	1,109,031,398	975,081	19,803,979	30,827	9,599	14,770	29,467	28,156,758
Space Heating	-	-	30,589	611,780	-	-	-	-	(426,985)
Ventilation	9,448,268	141,724,013	207,055	2,277,604	1,958	1,142	2,050	-	5,041,121
Interior Lighting	199,979,090	1,353,269,827	(3,149,548)	(17,429,323)	29,451	26,509	43,395	35,555	9,110,806
Exterior Lighting	38,499,435	577,491,523	-	-	5,121	4,273	8,354	2,695	12,983,768
Daylighting	-	-	-	-	-	-	-	-	-
Motors	-	-	-	-	-	-	-	-	-
Process	7,911,975	115,657,778	2,820,692	34,199,655	1,077	1,189	1,717	866	(22,528,043)
Compressed Air	-	-	-	-	-	-	-	-	-
Food Processor	-	-	-	-	-	-	-	-	-
Refrigeration	43,871,355	337,497,653	(4,685)	(70,282)	5,939	4,822	9,520	5,218	8,374,453
Freezers	-	-	-	-	-	-	-	-	-
Pumps	-	-	-	-	-	-	-	-	-
Pool Pump	1,269,324	12,693,240	-	-	69	69	275	490	439,163
Domestic Hot Water	-	-	-	-	-	-	-	-	-
Water Heating	-	-	1,001,303	13,165,849	-	-	-	-	2,839,097
Other	-	-	-	-	-	-	-	-	-

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

Net Impacts by Climate Zone (All Measures Installed through 2012)									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net dec-Feb Pk (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
Total	531,121,557	5,758,475,051	8,954,449	153,475,351	90,416	57,728	115,253	115,253	94,144,776
7	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-
System	531,121,557	5,758,475,051	8,954,449	153,475,351	90,416	57,728	115,253	115,253	94,144,776

* 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	15,069	19,242
2010	45,208	38,485
2011	75,347	57,588
2012	89,971	57,296
2013	89,125	56,400
2014	87,898	52,090

Program Summary	Nominal	Present Value
Proposer Name	SDGE	
Program Name	SDGE Compliance IOU Core	
Total Program Budget (\$)	\$ 368,133,120	\$ 340,435,513
Net Participant Cost (\$)	\$ 25,515,268	\$ 22,348,577

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2015	80,008	44,379
2016	72,520	37,271

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	4,811	6,051	3,049,905	58,548	
May-09	2	7,535	8,340	3,262,696	58,548	
June-09	2	7,535	8,340	3,262,696	58,548	
July-09	3	15,069	16,680	6,525,392	117,096	
August-09	3	15,069	16,680	6,525,392	117,096	
September-09	3	15,069	16,680	6,525,392	117,096	
October-09	4	14,432	18,152	9,149,714	204,738	
November-09	4	14,432	18,152	9,149,714	204,738	
December-09	4	14,432	18,152	9,149,714	204,738	
January-10	5	19,242	24,203	12,199,618	272,984	
February-10	5	19,242	24,203	12,199,618	272,984	
March-10	5	19,242	24,203	12,199,618	272,984	
April-10	6	24,053	30,254	15,249,523	292,978	
May-10	6	37,673	41,700	16,313,480	292,978	
June-10	6	37,673	41,700	16,313,480	292,978	
July-10	7	45,208	50,040	19,576,176	351,763	
August-10	7	45,208	50,040	19,576,176	351,763	
September-10	7	45,208	50,040	19,576,176	351,763	
October-10	8	33,674	42,356	21,349,332	477,825	
November-10	8	33,674	42,356	21,349,332	477,825	
December-10	8	33,674	42,356	21,349,332	477,825	
January-11	9	38,485	48,407	24,399,236	546,105	
February-11	9	38,485	48,407	24,399,236	546,105	
March-11	9	38,485	48,407	24,399,236	546,105	
April-11	10	43,296	54,458	27,449,184	524,647	
May-11	10	67,812	75,060	29,364,310	524,647	
June-11	10	67,812	75,060	29,364,310	524,647	
July-11	11	75,347	83,400	32,627,051	579,961	
August-11	11	75,347	83,400	32,627,051	579,961	
September-11	11	75,347	83,400	32,627,051	579,961	
October-11	12	52,847	66,436	33,502,911	738,061	
November-11	12	52,847	66,436	33,502,911	738,061	
December-11	12	52,847	66,436	33,502,911	738,061	
January-12	13	57,588	72,364	36,506,691	802,160	
February-12	13	57,588	72,364	36,506,691	802,160	
March-12	13	57,588	72,364	36,506,691	802,160	
April-12	14	57,519	72,242	36,460,524	690,589	
May-12	14	90,088	99,752	39,012,019	690,589	
June-12	14	90,088	99,752	39,012,019	690,589	
July-12	15	89,971	99,635	38,962,068	690,589	
August-12	15	89,971	99,635	38,962,068	690,589	
September-12	15	89,971	99,635	38,962,068	690,589	
October-12	16	57,370	71,980	36,362,051	802,968	
November-12	16	57,370	71,980	36,362,051	802,968	
December-12	16	57,370	71,980	36,362,051	802,968	
January-13	17	57,296	71,849	36,312,815	803,286	
February-13	17	57,296	71,849	36,312,815	803,286	
March-13	17	57,296	71,849	36,312,815	803,286	
April-13	18	57,072	71,552	36,151,294	690,589	
May-13	18	89,431	99,096	38,696,561	690,589	
June-13	18	89,431	99,096	38,696,561	690,589	
July-13	19	89,125	98,789	38,530,958	690,589	
August-13	19	89,125	98,789	38,530,958	690,589	
September-13	19	89,125	98,789	38,530,958	690,589	
October-13	20	56,624	70,959	35,828,252	804,242	

Program Summary	Nominal	Present Value
Proposer Name	SDGE	
Program Name	SDGE Compliance IOU Core	
Total Program Budget (\$)	\$ 368,133,120	\$ 340,435,513
Net Participant Cost (\$)	\$ 25,515,268	\$ 22,348,577

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November-13	20	56,624	70,959	35,828,252	804,242
December-13	20	56,624	70,959	35,828,252	804,242
January-14	21	56,400	70,662	35,666,731	804,560
February-14	21	56,400	70,662	35,666,731	804,560
March-14	21	56,400	70,662	35,666,731	804,560
April-14	22	56,176	70,366	35,505,210	690,589
May-14	22	88,205	97,869	38,034,149	690,589
June-14	22	88,205	97,869	38,034,149	690,589
July-14	23	87,898	97,562	37,868,546	690,589
August-14	23	87,898	97,562	37,868,546	690,589
September-14	23	87,898	97,562	37,868,546	690,589
October-14	24	54,021	68,119	34,074,766	818,916
November-14	24	54,021	68,119	34,074,766	818,916
December-14	24	54,021	68,119	34,074,766	818,916
January-15	25	52,090	66,168	32,805,842	851,959
February-15	25	52,090	66,168	32,805,842	851,959
March-15	25	52,090	66,168	32,805,842	851,959
April-15	26	50,159	64,217	31,536,919	690,589
May-15	26	81,975	91,639	34,523,913	690,589
June-15	26	81,975	91,639	34,523,913	690,589
July-15	27	80,008	89,672	33,412,149	690,589
August-15	27	80,008	89,672	33,412,149	690,589
September-15	27	80,008	89,672	33,412,149	690,589
October-15	28	46,306	60,332	29,005,209	950,791
November-15	28	46,306	60,332	29,005,209	950,791
December-15	28	46,306	60,332	29,005,209	950,791

Program Summary	Nominal	Present Value
Proposer Name	SDGE	
Program Name	SDGE Compliance Partnerships	
Total Program Budget (\$)	\$ 37,496,008	\$ 37,496,008
Net Participant Cost (\$)	\$ -	\$ -

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

Cost Effectiveness (Lifecycle Present Value Dollars)							
	Cost	Benefits			Benefit - Cost		
		Electric	Gas	Incentives	NPV	B/C Ratio	Notes
Program TRC (\$)	\$ 37,496,008	\$0	\$0	NA	(\$37,496,008)	-	*1
Program PAC (\$)	\$ 37,496,008	\$0	\$0	NA	(\$37,496,008)	-	*1,2
Program RIM (\$)	\$ 37,496,008	\$0	\$0	NA	(\$37,496,008)	-	*1

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

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

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

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

Program Summary	Nominal	Present Value
Proposer Name	SDGE	
Program Name	SDGE Compliance Partnerships	
Total Program Budget (\$)	\$ 37,496,008	\$ 37,496,008
Net Participant Cost (\$)	\$ -	\$ -

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

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

Net Impacts by Climate Zone (All Measures Installed through 2012)									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net dec-Feb Pk (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
Total	-	-	-	-	-	-	-	-	#DIV/0!
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	-	-
2014	-	-

Program Summary	Nominal	Present Value
Proposer Name	SDGE	
Program Name	SDGE Compliance Partnerships	
Total Program Budget (\$)	\$ 37,496,008	\$ 37,496,008
Net Participant Cost (\$)	\$ -	\$ -

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2015	-	-
2016	-	-

Monthly Impacts						
First Year for Impact Table:		2009	Monthly Five	Net Monthly	Monthly Net	Monthly Net
	Quarter		Hour Avg or	NCP (kW)	kWh	Therms
			TOU Peak			
January-09	1		-	-	-	-
February-09	1		-	-	-	-
March-09	1		-	-	-	-
April-09	2		-	-	-	-
May-09	2		-	-	-	-
June-09	2		-	-	-	-
July-09	3		-	-	-	-
August-09	3		-	-	-	-
September-09	3		-	-	-	-
October-09	4		-	-	-	-
November-09	4		-	-	-	-
December-09	4		-	-	-	-
January-10	5		-	-	-	-
February-10	5		-	-	-	-
March-10	5		-	-	-	-
April-10	6		-	-	-	-
May-10	6		-	-	-	-
June-10	6		-	-	-	-
July-10	7		-	-	-	-
August-10	7		-	-	-	-
September-10	7		-	-	-	-
October-10	8		-	-	-	-
November-10	8		-	-	-	-
December-10	8		-	-	-	-
January-11	9		-	-	-	-
February-11	9		-	-	-	-
March-11	9		-	-	-	-
April-11	10		-	-	-	-
May-11	10		-	-	-	-
June-11	10		-	-	-	-
July-11	11		-	-	-	-
August-11	11		-	-	-	-
September-11	11		-	-	-	-
October-11	12		-	-	-	-
November-11	12		-	-	-	-
December-11	12		-	-	-	-
January-12	13		-	-	-	-
February-12	13		-	-	-	-
March-12	13		-	-	-	-
April-12	14		-	-	-	-
May-12	14		-	-	-	-
June-12	14		-	-	-	-
July-12	15		-	-	-	-
August-12	15		-	-	-	-
September-12	15		-	-	-	-
October-12	16		-	-	-	-
November-12	16		-	-	-	-
December-12	16		-	-	-	-
January-13	17		-	-	-	-
February-13	17		-	-	-	-
March-13	17		-	-	-	-
April-13	18		-	-	-	-
May-13	18		-	-	-	-
June-13	18		-	-	-	-
July-13	19		-	-	-	-
August-13	19		-	-	-	-
September-13	19		-	-	-	-
October-13	20		-	-	-	-

Program Summary	Nominal	Present Value
Proposer Name	SDGE	
Program Name	SDGE Compliance Partnerships	
Total Program Budget (\$)	\$ 37,496,008	\$ 37,496,008
Net Participant Cost (\$)	\$ -	\$ -

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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	SDGE	
Program Name	SDGE Compliance 3Party	
Total Program Budget (\$)	\$ 108,468,086	\$ 100,519,882
Net Participant Cost (\$)	\$ (5,173,867)	\$ (4,531,740)

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Program Impacts								
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net Jul-Sept PK (kW)	Net Dec-Feb PK (kW)	Net CEC (kW)	User Entered kW
2009-2011	114,083,716	1,154,464,948	(241,160)	2,093,866	23,854	13,537	24,756	27,240
2012-2015	-	-	-	-	-	-	-	-

Cost Effectiveness (Lifecycle Present Value Dollars)							
	Cost	Benefits			Benefit - Cost		Notes
		Electric	Gas	Incentives	NPV	B/C Ratio	
Program TRC (\$)	\$ 95,988,142	\$98,298,409	\$511,974	NA	\$2,822,241	1.03	*1
Program PAC (\$)	\$ 100,519,882	\$98,298,409	\$511,974	NA	(\$1,709,499)	0.98	*1,2
Program RIM (\$)	\$ 185,085,758	\$98,298,409	\$511,974	NA	(\$86,275,375)	0.53	*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)	673,392,193		\$ 0.1435	\$ 0.1460	\$ 0.0024	
PAC (\$/kWh)	673,392,193		\$ 0.1515	\$ 0.1460	\$ (0.0055)	
RIM (\$/kWh)	673,392,193		\$ 0.2734	\$ 0.1460	\$ (0.1275)	
TRC (\$/therm)		760,046	\$ (0.88)	\$ 0.67	\$ 1.5522	
PAC (\$/therm)		760,046	\$ (1.97)	\$ 0.67	\$ 2.6391	
RIM (\$/therm)		760,046	\$ 1.26	\$ 0.67	\$ (0.5882)	

Emissions Reductions						
Annual Reductions	Electric Reductions			Gas Reductions		
	CO2 (tons)	NOX (lbs)	PM-10 (lbs)	CO2 (tons)	NOX (lbs)	
2009	21,600	5,808	2,779	(470)	1,454	* annual reductions are the units implemented in the year, times the annual emission reduction for the measure.
2010	21,600	5,808	2,779	(470)	1,454	
2011	21,600	5,808	2,779	(470)	1,454	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
Total Annual	64,800	17,423	8,336	(1,411)	4,363	
Lifecycle Reductions						
2009	220,685	59,796	28,331	4,083	28,318	
2010	220,685	59,796	28,331	4,083	28,318	
2011	220,685	59,796	28,331	4,083	28,318	
2012	-	-	-	-	-	
2013	-	-	-	-	-	
2014	-	-	-	-	-	
2015	-	-	-	-	-	
Total Lifecycle	662,056	179,387	84,994	12,249	84,954	

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	38,027,905	384,821,649	(80,387)	697,955	7,951	4,512	8,252.06	9,079.87	4,819
2010	38,027,905	384,821,649	(80,387)	697,955	7,951	4,512	8,252.06	9,079.87	8,025
2011	38,027,905	384,821,649	(80,387)	697,955	7,951	4,512	8,252.06	9,079.87	8,563
2012	-	-	-	-	-	-	-	-	4,148
2013	-	-	-	-	-	-	-	-	(665)
2014	-	-	-	-	-	-	-	-	(1,483)
2015	-	-	-	-	-	-	-	-	(2,637)
Total	114,083,716	1,154,464,948	(241,160)	2,093,866	23,854	13,537	24,756	27,240	20,770

Program Summary	Nominal	Present Value
Proposer Name	SDGE	
Program Name	SDGE Compliance 3Party	
Total Program Budget (\$)	\$ 108,468,086	\$ 100,519,882
Net Participant Cost (\$)	\$ (5,173,867)	\$ (4,531,740)

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Net Impacts by Sector (All Measures Installed through 2012)									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
Total	114,083,716	1,154,464,948	(241,160)	2,093,866	23,854	13,537	24,756	27,240	2,822,241
RES	-	-	-	-	-	-	-	-	-
NON_RES	-	-	-	-	-	-	-	-	-
Residential	49,869,770	241,738,280	(481,927)	(99,176)	7,987	6,622	10,822	11,347	1,693,692
Commercial	64,213,946	912,726,668	240,766	2,193,042	15,867	6,915	13,934	15,893	1,128,549
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* (\$)
Total	114,083,716	1,154,464,948	(660,404)	(2,098,574)	23,854	13,537	24,756	27,240	1,876,357
Clothes Dryer	-	-	-	-	-	-	-	-	-
Clothes Washer	-	-	-	-	-	-	-	-	-
Consumer Electronics	-	-	-	-	-	-	-	-	-
Cooking	-	-	-	-	-	-	-	-	-
Dishwasher	-	-	-	-	-	-	-	-	-
Other Appliance	-	-	-	-	-	-	-	-	-
Office Equipment	44,517,749	667,766,237	(40,261)	(603,917)	8,608	5,383	9,660	12,203	(9,231,692)
Building shell	-	-	-	-	-	-	-	-	-
Space Cooling	20,697,234	253,407,565	296,534	3,080,429	8,637	1,545	4,491	5,110	9,492,825
Space Heating	-	-	-	-	-	-	-	-	-
Ventilation	-	-	-	-	-	-	-	-	-
Interior Lighting	-	-	-	-	-	-	-	-	-
Exterior Lighting	-	-	-	-	-	-	-	-	-
Daylighting	-	-	-	-	-	-	-	-	-
Motors	-	-	-	-	-	-	-	-	-
Process	-	-	-	-	-	-	-	-	-
Compressed Air	-	-	-	-	-	-	-	-	-
Food Processor	-	-	-	-	-	-	-	-	-
Refrigeration	48,868,733	233,291,146	(916,678)	(4,575,086)	6,609	6,609	10,605	9,927	1,615,224
Freezers	-	-	-	-	-	-	-	-	-
Pumps	-	-	-	-	-	-	-	-	-
Pool Pump	-	-	-	-	-	-	-	-	-
Domestic Hot Water	-	-	-	-	-	-	-	-	-
Water Heating	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-

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

Net Impacts by Climate Zone (All Measures Installed through 2012)									
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net dec-Feb Pk (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
Total	114,083,716	1,154,464,948	(241,160)	2,093,866	23,854	13,537	24,756	24,756	2,822,241
7	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-
System	114,083,716	1,154,464,948	(241,160)	2,093,866	23,854	13,537	24,756	24,756	2,822,241

* 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	3,976	4,512
2010	11,927	9,024
2011	19,879	13,537
2012	23,718	13,527
2013	23,203	13,032
2014	21,587	10,819

Program Summary	Nominal	Present Value
Proposer Name	SDGE	
Program Name	SDGE Compliance 3Party	
Total Program Budget (\$)	\$ 108,468,086	\$ 100,519,882
Net Participant Cost (\$)	\$ (5,173,867)	\$ (4,531,740)

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2015	19,248	8,616
2016	17,288	6,899

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	1,128	1,606	733,897	3,029	
May-09	2	1,988	2,141	873,874	3,029	
June-09	2	1,988	2,141	873,874	3,029	
July-09	3	3,976	4,281	1,747,747	6,058	
August-09	3	3,976	4,281	1,747,747	6,058	
September-09	3	3,976	4,281	1,747,747	6,058	
October-09	4	3,384	4,819	2,201,690	(19,135)	
November-09	4	3,384	4,819	2,201,690	(19,135)	
December-09	4	3,384	4,819	2,201,690	(19,135)	
January-10	5	4,512	6,426	2,935,587	(25,513)	
February-10	5	4,512	6,426	2,935,587	(25,513)	
March-10	5	4,512	6,426	2,935,587	(25,513)	
April-10	6	5,640	8,032	3,669,484	15,144	
May-10	6	9,939	10,704	4,369,368	15,144	
June-10	6	9,939	10,704	4,369,368	15,144	
July-10	7	11,927	12,844	5,243,242	18,173	
August-10	7	11,927	12,844	5,243,242	18,173	
September-10	7	11,927	12,844	5,243,242	18,173	
October-10	8	7,896	11,245	5,137,278	(44,648)	
November-10	8	7,896	11,245	5,137,278	(44,648)	
December-10	8	7,896	11,245	5,137,278	(44,648)	
January-11	9	9,024	12,852	5,871,175	(51,027)	
February-11	9	9,024	12,852	5,871,175	(51,027)	
March-11	9	9,024	12,852	5,871,175	(51,027)	
April-11	10	10,153	14,458	6,605,071	27,260	
May-11	10	17,891	19,266	7,864,863	27,260	
June-11	10	17,891	19,266	7,864,863	27,260	
July-11	11	19,879	21,407	8,738,737	30,289	
August-11	11	19,879	21,407	8,738,737	30,289	
September-11	11	19,879	21,407	8,738,737	30,289	
October-11	12	12,409	17,671	8,072,865	(70,162)	
November-11	12	12,409	17,671	8,072,865	(70,162)	
December-11	12	12,409	17,671	8,072,865	(70,162)	
January-12	13	13,537	19,278	8,806,762	(76,540)	
February-12	13	13,537	19,278	8,806,762	(76,540)	
March-12	13	13,537	19,278	8,806,762	(76,540)	
April-12	14	13,534	19,275	8,805,205	36,347	
May-12	14	23,786	25,555	10,476,682	36,347	
June-12	14	23,786	25,555	10,476,682	36,347	
July-12	15	23,718	25,421	10,466,879	36,347	
August-12	15	23,718	25,421	10,466,879	36,347	
September-12	15	23,718	25,421	10,466,879	36,347	
October-12	16	13,530	19,270	8,802,092	(76,540)	
November-12	16	13,530	19,270	8,802,092	(76,540)	
December-12	16	13,530	19,270	8,802,092	(76,540)	
January-13	17	13,527	19,268	8,800,536	(76,540)	
February-13	17	13,527	19,268	8,800,536	(76,540)	
March-13	17	13,527	19,268	8,800,536	(76,540)	
April-13	18	13,403	19,143	8,727,401	36,347	
May-13	18	23,393	24,890	10,353,471	36,347	
June-13	18	23,393	24,890	10,353,471	36,347	
July-13	19	23,203	24,626	10,259,667	36,347	
August-13	19	23,203	24,626	10,259,667	36,347	
September-13	19	23,203	24,626	10,259,667	36,347	
October-13	20	13,155	18,895	8,581,132	(76,194)	

Program Summary	Nominal	Present Value
Proposer Name	SDGE	
Program Name	SDGE Compliance 3Party	
Total Program Budget (\$)	\$ 108,468,086	\$ 100,519,882
Net Participant Cost (\$)	\$ (5,173,867)	\$ (4,531,740)

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November-13	20	13,155	18,895	8,581,132	(76,194)
December-13	20	13,155	18,895	8,581,132	(76,194)
January-14	21	13,032	18,771	8,507,997	(76,079)
February-14	21	13,032	18,771	8,507,997	(76,079)
March-14	21	13,032	18,771	8,507,997	(76,079)
April-14	22	12,478	18,218	8,190,043	36,347
May-14	22	22,205	23,407	9,690,727	36,347
June-14	22	22,205	23,407	9,690,727	36,347
July-14	23	21,587	22,714	9,309,395	36,347
August-14	23	21,587	22,714	9,309,395	36,347
September-14	23	21,587	22,714	9,309,395	36,347
October-14	24	11,372	17,111	7,554,134	(37,884)
November-14	24	11,372	17,111	7,554,134	(37,884)
December-14	24	11,372	17,111	7,554,134	(37,884)
January-15	25	10,819	16,558	7,236,180	(25,152)
February-15	25	10,819	16,558	7,236,180	(25,152)
March-15	25	10,819	16,558	7,236,180	(25,152)
April-15	26	10,268	16,007	6,919,783	36,347
May-15	26	19,799	20,770	8,175,199	36,347
June-15	26	19,799	20,770	8,175,199	36,347
July-15	27	19,248	20,211	7,803,668	36,347
August-15	27	19,248	20,211	7,803,668	36,347
September-15	27	19,248	20,211	7,803,668	36,347
October-15	28	9,167	14,905	6,286,987	13,043
November-15	28	9,167	14,905	6,286,987	13,043
December-15	28	9,167	14,905	6,286,987	13,043

Program Summary	Nominal	Present Value
Proposer Name	0	
Program Name	0	
Total Program Budget (\$)	\$ 514,097,214	\$ 478,451,403
Net Participant Cost (\$)	\$ 20,341,401	\$ 17,816,837

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Program Impacts								
	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net Jul-Sept Pk (kW)	Net Dec-Feb Pk (kW)	Net CEC (kW)	User Entered kW
2009-2011	645,205,273	6,912,939,999	8,713,289	155,569,216	114,270	71,264	140,010	136,055
2012-2015	-	-	-	-	-	-	-	-

Cost Effectiveness (Lifecycle Present Value Dollars)							
	Cost	Benefits			Benefit - Cost		Notes
		Electric	Gas	Incentives	NPV	B/C Ratio	
Program TRC (\$)	\$ 496,268,240	\$488,624,003	\$67,115,247	NA	\$59,471,009	1.12	*1
Program PAC (\$)	\$ 478,451,403	\$488,624,003	\$67,115,247	NA	\$77,287,846	1.16	*1,2
Program RIM (\$)	\$ 985,476,109	\$488,624,003	\$67,115,247	NA	(\$429,736,860)	0.56	*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)	3,972,945,628		\$ 0.1074	\$ 0.1230	\$ 0.0156	
PAC (\$/kWh)	3,972,945,628		\$ 0.1027	\$ 0.1230	\$ 0.0203	
RIM (\$/kWh)	3,972,945,628		\$ 0.2181	\$ 0.1230	\$ (0.0951)	
TRC (\$/therm)		79,422,150	\$ 0.87	\$ 0.85	\$ (0.0293)	
PAC (\$/therm)		79,422,150	\$ 0.89	\$ 0.85	\$ (0.0411)	
RIM (\$/therm)		79,422,150	\$ 1.50	\$ 0.85	\$ (0.6534)	

Emissions Reductions							
Annual Reductions	Electric Reductions			Gas Reductions			
	CO2 (tons)	NOX (lbs)	PM-10 (lbs)	CO2 (tons)	NOX (lbs)		
2009	107,074	28,769	13,777	17,332	40,286	* annual reductions are the units implemented in the year, times the annual emission reduction for the measure.	
2010	107,074	28,769	13,777	17,370	40,453		
2011	107,075	28,769	13,777	16,271	37,146		
2012	-	-	-	-	-		
2013	-	-	-	-	-		
2014	-	-	-	-	-		
2015	-	-	-	-	-		
Total Annual	321,223	86,306	41,330	50,973	117,885		
Lifecycle Reductions							
2009	1,141,050	308,340	146,592	307,062	674,412		
2010	1,141,050	308,340	146,592	307,301	675,858		
2011	1,141,064	308,344	146,594	295,717	641,849		
2012	-	-	-	-	-		
2013	-	-	-	-	-		
2014	-	-	-	-	-		
2015	-	-	-	-	-		
Total Lifecycle	3,423,165	925,025	439,777	910,080	1,992,119		

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	210,108,828	2,255,117,430	2,962,670	52,489,273	38,090	23,755	45,593.62	44,678.11	22,972
2010	212,836,309	2,282,751,115	2,969,185	52,530,078	38,090	23,755	46,185.48	45,113.11	39,912
2011	222,260,136	2,375,071,454	2,781,433	50,549,866	38,090	23,755	48,230.45	46,263.35	41,923
2012	-	-	-	-	-	-	-	-	20,500
2013	-	-	-	-	-	-	-	-	(1,322)
2014	-	-	-	-	-	-	-	-	(2,709)
2015	-	-	-	-	-	-	-	-	(8,866)
Total	645,205,273	6,912,939,999	8,713,289	155,569,216	114,270	71,264	140,010	136,055	112,410

Program Summary	Nominal	Present Value
Proposer Name	0	0
Program Name	0	0
Total Program Budget (\$)	\$ 514,097,214	\$ 478,451,403
Net Participant Cost (\$)	\$ 20,341,401	\$ 17,816,837

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Net Impacts by Sector (All Measures Installed through 2012)

	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
Total	566,040,290	5,989,175,854	7,307,919	134,488,666	114,270	71,264	122,831	120,211	59,471,009
RES	-	-	-	-	-	-	-	-	-
NON_RES	-	-	-	-	-	-	-	-	-
Residential	217,554,205	1,196,913,338	(898,922)	16,969,707	38,071	28,671	47,209	42,722	(1,094,217)
Commercial	348,486,085	4,792,262,516	6,619,260	100,661,733	76,199	42,594	75,621	77,489	56,840,744
Industrial	-	-	891,932	13,378,982	-	-	-	-	3,201,059
Agricultural	-	-	695,649	3,478,244	-	-	-	-	523,422

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

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

	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net Dec-Feb Pk (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
Total	566,040,290	5,989,175,854	2,099,740	59,852,841	114,270	71,264	122,831	120,211	46,733,767
Clothes Dryer	-	-	-	-	-	-	-	-	-
Clothes Washer	1,715,914	18,875,050	929,083	10,219,916	240	240	372	231	(418,578)
Consumer Electronics	-	-	-	-	-	-	-	-	-
Cooking	-	-	-	-	-	-	-	-	-
Dishwasher	397,159	4,368,751	69,135	760,486	102	102	86	132	(4,313,900)
Other Appliance	-	-	-	-	-	-	-	-	-
Office Equipment	125,316,383	1,831,867,911	(158,823)	(2,192,165)	24,240	15,164	27,194	30,520	24,051,736
Building shell	-	-	-	-	-	-	-	-	-
Space Cooling	88,762,654	1,362,438,963	1,271,616	22,884,408	39,464	11,144	19,261	34,577	28,718,027
Space Heating	-	-	30,589	611,780	-	-	-	-	(455,168)
Ventilation	9,448,268	141,724,013	207,055	2,277,604	1,958	1,142	2,050	-	3,989,538
Interior Lighting	199,979,090	1,353,269,827	(3,149,548)	(17,429,323)	29,451	26,509	43,395	35,555	(272,813)
Exterior Lighting	38,499,435	577,491,523	-	-	5,121	4,273	8,354	2,695	9,474,947
Daylighting	-	-	-	-	-	-	-	-	-
Motors	-	-	-	-	-	-	-	-	-
Process	7,911,975	115,657,778	2,820,692	34,199,655	1,077	1,189	1,717	866	(24,941,717)
Compressed Air	-	-	-	-	-	-	-	-	-
Food Processor	-	-	-	-	-	-	-	-	-
Refrigeration	92,740,089	570,788,799	(921,363)	(4,645,369)	12,548	11,432	20,125	15,145	8,303,999
Freezers	-	-	-	-	-	-	-	-	-
Pumps	-	-	-	-	-	-	-	-	-
Pool Pump	1,269,324	12,693,240	-	-	69	69	275	490	352,680
Domestic Hot Water	-	-	-	-	-	-	-	-	-
Water Heating	-	-	1,001,303	13,165,849	-	-	-	-	2,245,016
Other	-	-	-	-	-	-	-	-	-

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

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

	Annual Net kWh	Lifecycle Net kWh	Annual Net Therms	Lifecycle Net Therms	Net July-Sept Peak (kW)	Net dec-Feb Pk (kW)	Net CEC (kW)	User Entered kW	TRC Lifecycle Net Benefits* (\$)
Total	645,205,273	6,912,939,999	8,713,289	155,569,216	114,270	71,264	140,010	140,010	59,471,009
7	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-
System	645,205,273	6,912,939,999	8,713,289	155,569,216	114,270	71,264	140,010	140,010	59,471,009

* 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	19,045	23,755
2010	57,135	47,509
2011	95,225	71,125
2012	113,690	70,823
2013	112,328	69,432
2014	109,485	62,909
2015	99,256	52,995
2016	89,808	44,170

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	-	-	-	-	-

Program Summary	Nominal	Present Value
Proposer Name	0	
Program Name	0	
Total Program Budget (\$)	\$ 514,097,214	\$ 478,451,403
Net Participant Cost (\$)	\$ 20,341,401	\$ 17,816,837

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February-09	1	-	-	-	-
March-09	1	-	-	-	-
April-09	2	5,939	7,657	3,783,801	61,577
May-09	2	9,522	10,481	4,136,570	61,577
June-09	2	9,522	10,481	4,136,570	61,577
July-09	3	19,045	20,961	8,273,139	123,154
August-09	3	19,045	20,961	8,273,139	123,154
September-09	3	19,045	20,961	8,273,139	123,154
October-09	4	17,816	22,972	11,351,404	185,603
November-09	4	17,816	22,972	11,351,404	185,603
December-09	4	17,816	22,972	11,351,404	185,603
January-10	5	23,755	30,629	15,135,205	247,470
February-10	5	23,755	30,629	15,135,205	247,470
March-10	5	23,755	30,629	15,135,205	247,470
April-10	6	29,693	38,287	18,919,007	308,122
May-10	6	47,612	52,404	20,682,849	308,122
June-10	6	47,612	52,404	20,682,849	308,122
July-10	7	57,135	62,884	24,819,418	369,936
August-10	7	57,135	62,884	24,819,418	369,936
September-10	7	57,135	62,884	24,819,418	369,936
October-10	8	41,571	53,601	26,486,609	433,176
November-10	8	41,571	53,601	26,486,609	433,176
December-10	8	41,571	53,601	26,486,609	433,176
January-11	9	47,509	61,259	30,270,411	495,078
February-11	9	47,509	61,259	30,270,411	495,078
March-11	9	47,509	61,259	30,270,411	495,078
April-11	10	53,448	68,916	34,054,255	551,907
May-11	10	85,703	94,326	37,229,173	551,907
June-11	10	85,703	94,326	37,229,173	551,907
July-11	11	95,225	104,807	41,365,788	610,250
August-11	11	95,225	104,807	41,365,788	610,250
September-11	11	95,225	104,807	41,365,788	610,250
October-11	12	65,256	84,108	41,575,776	667,899
November-11	12	65,256	84,108	41,575,776	667,899
December-11	12	65,256	84,108	41,575,776	667,899
January-12	13	71,125	91,642	45,313,453	725,620
February-12	13	71,125	91,642	45,313,453	725,620
March-12	13	71,125	91,642	45,313,453	725,620
April-12	14	71,053	91,517	45,265,729	726,936
May-12	14	113,874	125,307	49,488,701	726,936
June-12	14	113,874	125,307	49,488,701	726,936
July-12	15	113,690	125,056	49,428,947	726,936
August-12	15	113,690	125,056	49,428,947	726,936
September-12	15	113,690	125,056	49,428,947	726,936
October-12	16	70,899	91,250	45,164,144	726,428
November-12	16	70,899	91,250	45,164,144	726,428
December-12	16	70,899	91,250	45,164,144	726,428
January-13	17	70,823	91,116	45,113,351	726,746
February-13	17	70,823	91,116	45,113,351	726,746
March-13	17	70,823	91,116	45,113,351	726,746
April-13	18	70,475	90,696	44,878,695	726,936
May-13	18	112,824	123,985	49,050,032	726,936
June-13	18	112,824	123,985	49,050,032	726,936
July-13	19	112,328	123,415	48,790,625	726,936
August-13	19	112,328	123,415	48,790,625	726,936
September-13	19	112,328	123,415	48,790,625	726,936
October-13	20	69,779	89,854	44,409,384	728,048
November-13	20	69,779	89,854	44,409,384	728,048
December-13	20	69,779	89,854	44,409,384	728,048
January-14	21	69,432	89,434	44,174,728	728,481
February-14	21	69,432	89,434	44,174,728	728,481
March-14	21	69,432	89,434	44,174,728	728,481
April-14	22	68,655	88,584	43,695,253	726,936
May-14	22	110,410	121,276	47,724,876	726,936
June-14	22	110,410	121,276	47,724,876	726,936
July-14	23	109,485	120,277	47,177,940	726,936
August-14	23	109,485	120,277	47,177,940	726,936
September-14	23	109,485	120,277	47,177,940	726,936
October-14	24	65,393	85,230	41,628,900	781,032
November-14	24	65,393	85,230	41,628,900	781,032
December-14	24	65,393	85,230	41,628,900	781,032
January-15	25	62,909	82,726	40,042,023	826,807
February-15	25	62,909	82,726	40,042,023	826,807
March-15	25	62,909	82,726	40,042,023	826,807
April-15	26	60,427	80,224	38,456,701	726,936
May-15	26	101,774	112,410	42,699,112	726,936
June-15	26	101,774	112,410	42,699,112	726,936

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July-15	27	99,256	109,884	41,215,818	726,936
August-15	27	99,256	109,884	41,215,818	726,936
September-15	27	99,256	109,884	41,215,818	726,936
October-15	28	55,472	75,237	35,292,196	963,834
November-15	28	55,472	75,237	35,292,196	963,834
December-15	28	55,472	75,237	35,292,196	963,834