

## San Diego Gas and Electric

**TABLE 1**  
**Annual 2000 with Summer Initiative**  
**Program Areas and Program Budgets**  
**7/21/2000**

PROGRAM AREAS Programs	GAS				ELECTRIC				GAS & ELECTRIC			
	Budget %	Budget (\$,000)	Low (\$,000)	High (\$,000)	Budget %	Budget (\$,000)	Low (\$,000)	High (\$,000)	Budget %	Budget (\$,000)	Low (\$,000)	High (\$,000)
<b>RESIDENTIAL</b>												
Residential Heating & Cooling Systems	28%	467	397	560	4%	536	456	643	7%	1,003	852	1,203
Residential Lighting	0%	0	0	0	24%	2,867	2,437	3,441	21%	2,867	2,437	3,441
Residential Appliances	4%	62	53	74	23%	2,814	2,392	3,377	21%	2,876	2,445	3,452
Residential Retrofit & Renovation	68%	1,110	943	1,332	49%	5,956	5,063	7,148	51%	7,066	6,006	8,479
<b>Residential Total</b>	<b>100%</b>	<b>1,639</b>	<b>1,393</b>	<b>1,966</b>	<b>100%</b>	<b>12,174</b>	<b>10,348</b>	<b>14,609</b>	<b>100%</b>	<b>13,812</b>	<b>11,741</b>	<b>16,575</b>
<b>Residential %</b>	<b>33.6%</b>				<b>33.6%</b>				<b>33.6%</b>	<b>Program Area Max:</b>		<b>14,503</b>
<b>NON-RESIDENTIAL</b>												
Large Nonresidential Comprehensive Retrofit	54%	1,242	1,056	1,428	21%	4,133	3,513	4,753	25%	5,375	4,569	6,181
Small Nonresidential Comprehensive Retrofit	12%	286	243	329	51%	9,730	8,271	11,190	47%	10,016	8,514	11,519
Nonresidential HVAC Turnover	21%	490	417	564	12%	2,211	1,880	2,543	13%	2,702	2,296	3,107
Nonresidential Motor Turnover	0%	0	0	0	4%	753	640	866	3%	753	640	866
Nonresidential Process Overhaul	12%	285	242	327	6%	1,143	971	1,314	7%	1,427	1,213	1,641
Commercial Remodeling/Renovation	0%	0	0	0	7%	1,258	1,070	1,447	6%	1,258	1,070	1,447
<b>Non-Residential Total</b>	<b>100%</b>	<b>2,303</b>	<b>1,958</b>	<b>2,649</b>	<b>100%</b>	<b>19,228</b>	<b>16,344</b>	<b>22,112</b>	<b>100%</b>	<b>21,531</b>	<b>18,302</b>	<b>24,761</b>
<b>Non-Residential%</b>	<b>47.2%</b>				<b>53.0%</b>				<b>52.3%</b>	<b>Program Area Max:</b>		<b>21,531</b>
<b>NEW CONSTRUCTION</b>												
Residential New Construction	33%	311	249	374	40%	1,936	1,549	2,323	39%	2,247	1,798	2,697
Commercial New Construction	44%	415	332	497	50%	2,422	1,937	2,906	49%	2,836	2,269	3,404
Industrial & Agricultural New Construction	15%	140	112	168	3%	140	112	168	5%	280	224	336
New Construction Codes & Standards Support, Local Gov't. Initiatives	7%	67	54	81	8%	382	306	458	8%	449	360	539
<b>New Construction Total</b>	<b>100%</b>	<b>933</b>	<b>746</b>	<b>1,120</b>	<b>100%</b>	<b>4,880</b>	<b>3,904</b>	<b>5,856</b>	<b>100%</b>	<b>5,813</b>	<b>4,650</b>	<b>6,976</b>
<b>New Construction%</b>	<b>19.1%</b>				<b>13.5%</b>				<b>14.1%</b>	<b>Program Area Max:</b>		<b>6,394</b>
<b>Total</b>		<b>4,875</b>				<b>36,282</b>				<b>41,157</b>		

Note:

- Residential Program Area budget can go up to 105% of authorized.
- Nonresidential Program Area budget is capped at 100% of authorized.
- New Construction Program Area budget can go up to 110% of authorized.
- Residential fundshifting range is -15% to +20%.
- Nonresidential fundshifting range is -15% to +15%.
- New Construction fundshifting range is -20% to +20%.

**TABLE 2**  
**Annual 2000 with Summer Initiative Programs**  
**Energy Efficiency Budget**  
**7/21/2000**

**San Diego Gas and Electric**

Organized by Program Areas, Programs, Program Elements, Intervention Strategy

	Budget (\$,000)	Budget %	Gas (\$,000)	Gas %	Electric (\$,000)	Electric %
<b>RESIDENTIAL</b>	<b>13,812</b>	<b>33.6%</b>	<b>1,639</b>	<b>33.6%</b>	<b>12,174</b>	<b>33.6%</b>
<i>Residential Heating &amp; Cooling Systems</i>	1,003	7.3%	467	28.5%	536	4.4%
Efficient Residential Equipment Information & Education	84		15		69	
<i>Statewide Energy Guide</i>	14		3		11	
<i>Information &amp; Education</i>	63		13		51	
<i>Whole House Fan Brochure</i>	7		0		7	
Improved HVAC Sizing & Installation Practices	452		226		226	
<i>Contractor Training program</i>	452		226		226	
Linked HVAC Financial Incentives	467		226		241	
<i>Upstream Distributor Incentive program</i>	443		226		217	
<i>Whole House Fan Rebate</i>	25		0		25	
<i>Residential Lighting</i>	2,867	20.8%	0	0.0%	2,867	7.0%
Targeted Information & Market Facilitation	314		0		314	
<i>Statewide Energy Guide</i>	14		0		14	
<i>Information &amp; Education</i>	200		0		200	
<i>Torchiere Promotion</i>	100		0		100	
Improved Residential Lighting Fixtures	2,553		0		2,553	
<i>Statewide Upstream Lighting</i>	2,503		0		2,503	
<i>Torchiere Turn In Event</i>	50		0		50	
<i>Residential Appliances</i>	2,876	20.8%	62	3.8%	2,814	23.1%
Targeted Information & Market Facilitation	290		58		232	
<i>Statewide Energy Guide</i>	64		13		51	
<i>Information &amp; Education</i>	226		45		181	
Energy Star Appliance Incentives	2,587		4		2,583	
<i>Downstream Appliance Incentives</i>	1,130		0		1,130	
<i>Targeted Third Party Initiatives (TTPI)</i>	8		4		4	
<i>Statewide Upstream Appliances</i>	1,027		0		1,027	
<i>Refrigerator Recycling</i>	422		0		422	
<i>Residential Retrofit &amp; Renovation</i>	7,066	51.2%	1,110	67.7%	5,956	48.9%
Promotion & Facilitation of Comprehensive, Discretionary Retrofit Service	6,601		875		5,726	
<i>Residential Energy Efficiency Contractor Program (RCP)</i>	2,885		144		2,741	
<i>Statewide Energy Guide</i>	14		3		11	
<i>Energy Management Services</i>	903		229		674	
<i>In-Store Energy Efficient Demonstration Co-op Program</i>	308		155		153	
<i>Energy Star Windows Program</i>	411		227		184	
<i>Information &amp; Education</i>	421		84		337	
<i>Additional In Home Audits</i>	128		32		96	
<i>Direct Mail to High Users</i>	445		0		445	
<i>Newspaper Insert</i>	100		0		100	
<i>Energy Efficient Pools</i>	55		0		55	
<i>Expanded EELI (Non Low Income)</i>	60		0		60	
<i>Distribute Peak Information</i>	50		0		50	
<i>Refrigerator replacement</i>	610		0		610	
<i>A/C replacement</i>	210		0		210	
Facilitation of Efficiency Retrofit at Time-of-Service or Renovation	465		234		231	
<i>Time-of-Sale Home Energy Rating</i>	268		135		133	
<i>Energy Efficient Mortgage Program</i>	197		99		98	

Note:  
Intervention Strategies listed in bold and underlined are either new Summer Initiative strategies or additions to existing strategies.

The Performance Incentive is not collected in PGC funds and not part of the Energy Efficiency budget.

TABLE 2  
Annual 2000 with Summer Initiative Programs  
Energy Efficiency Budget  
7/21/2000

San Diego Gas and Electric

Organized by Program Areas, Programs, Program Elements, Intervention Strategy

	Budget (\$,000)	Budget %	Gas (\$,000)	Gas %	Electric (\$,000)	Electric %
<b>NON-RESIDENTIAL</b>	<b>21,531</b>	<b>52.3%</b>	<b>2,303</b>	<b>47.2%</b>	<b>19,228</b>	<b>53.0%</b>
<i>Large Nonresidential Comprehensive Retrofit</i>	5,375	25.0%	1,242	53.9%	4,133	21.5%
Information/Education	25		0		25	
<i>Information</i>	25		0		25	
Financial Incentives	5,350		1,242		4,108	
<i>Nonresidential Standard performance Contract (NRSPC)</i>	4,800		1,242		3,558	
<i>Emerging Technologies</i>	50		0		50	
<i>Express Efficiency</i>	200		0		200	
<i>LED Traffic Signals</i>	300		0		300	
<i>Small Nonresidential Comprehensive Retrofit</i>	10,016	46.5%	286	12.4%	9,730	50.6%
Financial Incentives	8,529		286		8,243	
<i>Small Business Standard Performance Contract (SBSPC)</i>	1,600		218		1,382	
<i>Express Efficiency</i>	2,700		0		2,700	
<i>Energy Efficiency Financing (Energy Cents)</i>	20		0		20	
<i>Technical Assistance, Small Comprehensive</i>	352		0		352	
<i>Food Services Efficient Dishwashing Technologies</i>	169		0		169	
<i>Commercial Horizontal Washers</i>	338		68		271	
<i>LED Traffic Signals</i>	850		0		850	
<i>High Efficiency Lighting</i>	2,500		0		2,500	
Information/Education	1,487		0		1,487	
<i>Information</i>	703		0		703	
<i>Energy Management Services</i>	598		0		598	
<i>Building Operator Certification</i>	186		0		186	
<i>Nonresidential HVAC Turnover</i>	2,702	12.5%	490	21.3%	2,211	11.5%
High Efficiency HVAC Equipment	2,702		490		2,211	
<i>Nonresidential Standard performance Contract (NRSPC)</i>	1,895		490		1,405	
<i>Information</i>	30		0		30	
<i>Upstream HVAC Incentives (with Initiative)</i>	777		0		777	
<i>Nonresidential Motor Turnover</i>	753	3.5%	0	0.0%	753	3.9%
High Efficiency Motors	753		0		753	
<i>Nonresidential Standard performance Contract (NRSPC)</i>	600		0		600	
<i>Information</i>	30		0		30	
<i>Upstream Motors Incentives</i>	123		0		123	
<i>Nonresidential Process Overhaul</i>	1,427	6.6%	285	12.4%	1,143	5.9%
Commercial, Industrial, Agricultural Process	1,427		285		1,143	
<i>Nonresidential Standard performance Contract (NRSPC)</i>	1,100		285		815	
<i>Information</i>	30		0		30	
<i>Technical Assistance, Process</i>	297		0		297	
<i>Commercial Remodeling/Renovation</i>	1,258	5.8%	0	0.0%	1,258	6.5%
Savings by Design	1,258		0		1,258	
<i>Tenant Improvement</i>	1,058		0		1,058	
<i>Tenant Improvement (Summer Initiative)</i>	200		0		200	

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	Budget (\$,000)	Budget %	Gas (\$,000)	Gas %	Electric (\$,000)	Electric %
<b>NEW CONSTRUCTION</b>	<b>5,813</b>	<b>14.1%</b>	<b>933</b>	<b>19.1%</b>	<b>4,880</b>	<b>13.5%</b>
<i>Residential New Construction</i>	2,247	38.7%	311	33.4%	1,936	39.7%
Market Leader Initiatives	1,573		171		1,402	
<i>Statewide Programs (Manufactured Housing)</i>	135		27		108	
<i>Residential Design Assistance</i>	1,438		144		1,295	
Targeted Consumer Promotion and Information	337		0		337	
<i>Consumer Information &amp; Awareness</i>	337		0		337	
Infrastructure and Product Development	45		11		34	
<i>California Home Energy Rating System (CHEERS)</i>	45		11		34	
Integrated New Home Products	90		45		45	
<i>New Energy Efficient Products and Services</i>	90		45		45	
Capability Development	202		84		118	
<i>CEC's Public Interest Energy Research (PIER)</i>	90		45		45	
<i>Targeted Third Party Initiatives (TTPI)</i>	112		39		73	
<i>Commercial New Construction</i>	2,836	48.8%	415	44.4%	2,422	49.6%
Savings By Design	2,430		352		2,078	
<i>Savings By Design</i>	1,630		236		1,394	
<i>Savings By Design (Summer Initiative)</i>	800		116		684	
Energy Design Resources	406		62		344	
<i>Energy Design Resources</i>	406		62		344	
<i>Industrial &amp; Agricultural New Construction</i>	280	4.8%	140	15.0%	140	2.9%
Industrial and Agricultural Process	280		140		140	
<i>Industrial &amp; Agricultural New Construction</i>	180		90		90	
<i>Industrial &amp; Agricultural New Construction (Summer Initiative)</i>	100		50		50	
<i>New Construction Codes &amp; Standards Support, Local Gov't. Initiatives</i>	449	7.7%	67	7.2%	382	7.8%
New Construction Codes and Standards Support	225		34		191	
<i>New Construction Codes &amp; Standards Support</i>	225		34		191	
Local Government Initiatives	225		34		191	
<i>Local Government Initiatives</i>	225		34		191	
<b>PROGRAM BUDGET</b>	<b>41,157</b>	<b>100.0%</b>	<b>4,875</b>	<b>100.0%</b>	<b>36,282</b>	<b>100.0%</b>
<b>MA&amp;E Administered by Interim Administrators</b>	<b>1,166</b>	<b>-</b>	<b>175</b>	<b>-</b>	<b>991</b>	<b>-</b>
<b>SDG&amp;E 2000 ADMINISTRATOR BUDGET</b>	<b>42,323</b>	<b>-</b>	<b>5,323</b>	<b>-</b>	<b>38,714</b>	<b>-</b>
<b>Performance Incentive</b>	<b>2,881</b>	<b>-</b>	<b>449</b>	<b>-</b>	<b>2,432</b>	<b>-</b>

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The Performance Incentive is not collected in PGC funds and not part of the Energy Efficiency budget.

TABLE 3  
Annual 2000 with Summer Initiative Programs  
Energy Efficiency Cost-Effectiveness  
7/21/2000

San Diego Gas and Electric

Organized by Program Areas, Programs, Program Elements, Intervention Strategy

	PPT Benefits (\$,000)	PPT Costs (\$,000)	PPT Net Benefits (\$,000)	PPT Ratio	PPT Ratio
<b>RESIDENTIAL</b>	<b>19,453</b>	<b>23,403</b>	<b>(3,950)</b>	<b>0.83</b>	<b>0.83</b>
<i>Residential Heating &amp; Cooling Systems</i>	602	1,733	(1,132)	0.35	0.35
Efficient Residential Equipment Information & Education	111	351	(240)	0.32	0.32
<i>Statewide Energy Guide</i>	52	67	(15)	0.78	
<i>Information &amp; Education</i>	58	276	(218)	0.21	
<i>Whole House Fan Brochure</i>	0	7	(7)	0.00	
Improved HVAC Sizing & Installation Practices	467	838	(371)	0.56	0.56
<i>Contractor Training program</i>	467	838	(371)	0.56	
Linked HVAC Financial Incentives	24	545	(520)	0.04	0.04
<i>Upstream Distributor Incentive program</i>	0	473	(473)	0.00	
<i>Whole House Fan Rebate</i>	24	71	(47)	0.34	
<i>Residential Lighting</i>	11,632	6,442	5,190	1.81	1.81
Targeted Information & Market Facilitation	111	365	(254)	0.30	0.30
<i>Statewide Energy Guide</i>	52	67	(15)	0.78	
<i>Information &amp; Education</i>	58	286	(227)	0.20	
<i>Torchiere Promotion</i>	0	12	(12)	0.00	
Improved Residential Lighting Fixtures	11,521	6,077	5,445	1.90	1.90
<i>Statewide Upstream Lighting</i>	11,459	6,023	5,436	1.90	
<i>Torchiere Turn In Event</i>	62	54	9	1.17	
<i>Residential Appliances</i>	2,026	3,963	(1,937)	0.51	0.51
Targeted Information & Market Facilitation	111	359	(248)	0.31	0.31
<i>Statewide Energy Guide</i>	52	71	(18)	0.74	
<i>Information &amp; Education</i>	58	288	(229)	0.20	
Energy Star Appliance Incentives	1,915	3,604	(1,689)	0.53	0.53
<i>Downstream Appliance Incentives</i>	955	1,706	(751)	0.56	
<i>Targeted Third Party Initiatives (TTPI)</i>	0	9	(9)	0.00	
<i>Statewide Upstream Appliances</i>	224	1,269	(1,045)	0.18	
<i>Refrigerator Recycling</i>	736	621	115	1.19	
<i>Residential Retrofit &amp; Renovation</i>	5,193	11,265	(6,071)	0.46	0.46
Promotion & Facilitation of Comprehensive, Discretionary Retrofit Service	5,081	10,682	(5,601)	0.48	0.48
<i>Residential Energy Efficiency Contractor Program (RCP)</i>	2,004	4,852	(2,849)	0.41	
<i>Statewide Energy Guide</i>	52	67	(15)	0.78	
<i>Energy Management Services</i>	933	1,495	(562)	0.62	
<i>In-Store Energy Efficient Demonstration Co-op Program</i>	63	377	(314)	0.17	
<i>Energy Star Windows Program</i>	777	1,860	(1,082)	0.42	
<i>Information &amp; Education</i>	58	301	(243)	0.19	
<i>Additional In Home Audits</i>	47	137	(90)	0.34	
<i>Direct Mail to High Users</i>	0	476	(476)	0.00	
<i>Newspaper Insert</i>	0	107	(107)	0.00	
<i>Energy Efficient Pools</i>	114	89	26	1.29	
<i>Expanded EELI (Non Low Income)</i>	0	64	(64)	0.00	
<i>Distribute Peak Information</i>	0	54	(54)	0.00	
<i>Refrigerator replacement</i>	721	621	100	1.16	
<i>A/C replacement</i>	311	181	130	1.72	
Facilitation of Efficiency Retrofit at Time-of-Service or Renovation	112	583	(471)	0.19	0.19
<i>Time-of-Sale Home Energy Rating</i>	56	330	(274)	0.17	
<i>Energy Efficient Mortgage Program</i>	56	253	(197)	0.22	

Note:  
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**TABLE 3**  
**Annual 2000 with Summer Initiative Programs**  
**Energy Efficiency Cost-Effectiveness**  
**7/21/2000**

**San Diego Gas and Electric**

Organized by Program Areas, Programs, Program Elements, Intervention Strategy

	PPT Benefits (\$,000)	PPT Costs (\$,000)	PPT Net Benefits (\$,000)	PPT Ratio	PPT Ratio
<b>NON-RESIDENTIAL</b>	<b>51,734</b>	<b>27,295</b>	<b>24,439</b>	<b>1.90</b>	<b>1.90</b>
<i>Large Nonresidential Comprehensive Retrofit</i>	16,436	6,061	10,374	2.71	2.71
Information/Education	27	191	(164)	0.14	0.14
<i>Information</i>	27	191	(164)	0.14	0.14
Financial Incentives	16,408	5,870	10,538	2.80	2.80
<i>Nonresidential Standard performance Contract (NRSPC)</i>	14,860	5,268	9,593	2.82	2.82
<i>Emerging Technologies</i>	0	54	(54)	0.00	0.00
<i>Express Efficiency</i>	774	271	503	2.86	2.86
<i>LED Traffic Signals</i>	774	278	496	2.79	2.79
<i>Small Nonresidential Comprehensive Retrofit</i>	18,097	13,157	4,941	1.38	1.38
Financial Incentives	17,783	11,233	6,550	1.58	1.58
<i>Small Business Standard Performance Contract (SBSPC)</i>	5,159	1,805	3,354	2.86	2.86
<i>Express Efficiency</i>	5,963	3,846	2,118	1.55	1.55
<i>Energy Efficiency Financing (Energy Cents)</i>	137	739	(602)	0.18	0.18
<i>Technical Assistance, Small Comprehensive</i>	28	409	(381)	0.07	0.07
<i>Food Services Efficient Dishwashing Technologies</i>	236	183	53	1.29	1.29
<i>Commercial Horizontal Washers</i>	438	578	(140)	0.76	0.76
<i>LED Traffic Signals</i>	1,451	551	900	2.63	2.63
<i>High Efficiency Lighting</i>	4,371	3,122	1,249	1.40	1.40
Information/Education	314	1,924	(1,610)	0.16	0.16
<i>Information</i>	27	239	(211)	0.11	0.11
<i>Energy Management Services</i>	273	1,358	(1,084)	0.20	0.20
<i>Building Operator Certification</i>	14	328	(314)	0.04	0.04
<i>Nonresidential HVAC Turnover</i>	6,811	3,247	3,564	2.10	2.10
High Efficiency HVAC Equipment	6,811	3,247	3,564	2.10	2.10
<i>Nonresidential Standard performance Contract (NRSPC)</i>	6,478	2,282	4,195	2.84	2.84
<i>Information</i>	27	191	(164)	0.14	0.14
<i>Upstream HVAC Incentives (with Initiative)</i>	306	773	(467)	0.40	0.40
<i>Nonresidential Motor Turnover</i>	2,255	1,071	1,184	2.11	2.11
High Efficiency Motors	2,255	1,071	1,184	2.11	2.11
<i>Nonresidential Standard performance Contract (NRSPC)</i>	2,051	723	1,328	2.84	2.84
<i>Information</i>	27	191	(164)	0.14	0.14
<i>Upstream Motors Incentives</i>	177	157	20	1.13	1.13
<i>Nonresidential Process Overhaul</i>	3,943	2,015	1,928	1.96	1.96
Commercial, Industrial, Agricultural Process	3,943	2,015	1,928	1.96	1.96
<i>Nonresidential Standard performance Contract (NRSPC)</i>	3,760	1,325	2,435	2.84	2.84
<i>Information</i>	27	191	(164)	0.14	0.14
<i>Technical Assistance, Process</i>	156	499	(343)	0.31	0.31
<i>Commercial Remodeling/Renovation</i>	4,192	1,744	2,447	2.40	2.40
Savings by Design	4,192	1,744	2,447	2.40	2.40
<i>Tenant Improvement</i>	3,020	1,388	1,633	2.18	2.18
<i>Tenant Improvement (Summer Initiative)</i>	1,172	357	815	3.28	3.28

Note:  
Intervention Strategies listed in bold and underlined are either new Summer Initiative strategies or additions to existing strategies.

The Performance Incentive is not collected in PGC funds and not part of the Energy Efficiency budget.

**TABLE 3**  
**Annual 2000 with Summer Initiative Programs**  
**Energy Efficiency Cost-Effectiveness**  
**7/21/2000**  
Organized by Program Areas, Programs, Program Elements, Intervention Strategy

**San Diego Gas and Electric**

	<b>PPT Benefits (\$,000)</b>	<b>PPT Costs (\$,000)</b>	<b>PPT Net Benefits (\$,000)</b>	<b>PPT Ratio</b>	<b>PPT Ratio</b>
<b>NEW CONSTRUCTION</b>	<b>11,812</b>	<b>7,524</b>	<b>4,287</b>	<b>1.57</b>	<b>1.57</b>
<i>Residential New Construction</i>	2,517	2,810	(293)	0.90	0.90
Market Leader Initiatives	2,375	1,971	404	1.21	1.21
<i>Statewide Programs (Manufactured Housing)</i>	16	152	(136)	0.11	
<i>Residential Design Assistance</i>	2,359	1,819	540	1.30	
Targeted Consumer Promotion and Information	59	388	(329)	0.15	0.15
<i>Consumer Information &amp; Awareness</i>	59	388	(329)	0.15	
Infrastructure and Product Development	24	59	(35)	0.40	0.40
<i>California Home Energy Rating System (CHEERS)</i>	24	59	(35)	0.40	
Integrated New Home Products	59	177	(117)	0.34	0.34
<i>New Energy Efficient Products and Services</i>	59	177	(117)	0.34	
Capability Development	0	216	(216)	0.00	0.00
<i>CEC's Public Interest Energy Research (PIER)</i>	0	96	(96)	0.00	
<i>Targeted Third Party Initiatives (TTPI)</i>	0	120	(120)	0.00	
<i>Commercial New Construction</i>	8,175	3,729	4,446	2.19	2.19
Savings By Design	8,175	3,294	4,881	2.48	2.48
<i>Savings By Design</i>	5,727	2,276	3,451	2.52	
<i>Savings By Design (Summer Initiative)</i>	2,448	1,018	1,430	2.40	
Energy Design Resources	0	435	(435)	0.00	0.00
<i>Energy Design Resources</i>	0	435	(435)	0.00	
<i>Industrial &amp; Agricultural New Construction</i>	1,120	504	615	2.22	2.22
Industrial and Agricultural Process	1,120	504	615	2.22	2.22
<i>Industrial &amp; Agricultural New Construction</i>	286	264	22	1.08	
<i>Industrial &amp; Agricultural New Construction (Summer Initiative)</i>	833	240	593	3.47	
<i>New Construction Codes &amp; Standards Support, Local Gov't. Initiatives</i>	0	481	(481)	0.00	0.00
New Construction Codes and Standards Support	0	240	(240)	0.00	0.00
<i>New Construction Codes &amp; Standards Support</i>	0	240	(240)	0.00	
Local Government Initiatives	0	240	(240)	0.00	0.00
<i>Local Government Initiatives</i>	0	240	(240)	0.00	
<b>PROGRAM BUDGET</b>	<b>82,999</b>	<b>58,222</b>	<b>24,776</b>		<b>1.43</b>
<b>MA&amp;E Administered by Interim Administrators</b>	-	-	-		-
<b>SDG&amp;E 2000 ADMINISTRATOR BUDGET</b>	<b>82,999</b>	<b>58,222</b>	<b>24,776</b>		<b>1.43</b>
<b>Performance Incentive</b>	-	-	-		-

Note:  
Intervention Strategies listed in bold and underlined are either new Summer Initiative strategies or additions to existing strategies.

The Performance Incentive is not collected in PGC funds and not part of the Energy Efficiency budget.

San Diego Gas and Electric

Table 4  
Annual 2000 with Summer Initiative  
Energy Efficiency Budget  
7/21/2000  
Organized by Pre-1998 Categories

	Budget (\$,000)	Budget %	Gas (\$,000)	Gas %	Electric (\$,000)	Electric %
<b>RESIDENTIAL</b>	<b>13,812</b>	<b>33.6%</b>	<b>1,639</b>	<b>33.6%</b>	<b>12,174</b>	<b>33.6%</b>
Information	2,283	16.5%	415	25.3%	1,868	15.3%
Statewide Energy Guide	106		18		88	
Energy Efficient Mortgage Program	197		99		98	
Information & Education	910		142		768	
In-Store Energy Efficient Demonstration Co-op Program	308		155		153	
<u>Direct Mail to High Users</u>	445		0		445	
<u>Newspaper Insert</u>	100		0		100	
<u>Expanded EEI (Non Low Income)</u>	60		0		60	
<u>Distribute PEI Information</u>	50		0		50	
<u>Whole House Fan Brochure</u>	7		0		7	
<u>Torchiere Promotion</u>	100		0		100	
EMS	1,300	9.4%	397	24.2%	903	7.4%
Energy Management Services	903		229		674	
<u>Additional In Home Audits</u>	128		32		96	
Time-of-Sale Home Energy Rating	268		135		133	
EI	5,387	39.0%	144	8.8%	5,242	43.1%
SPC	2,910		144		2,766	
Residential Energy Efficiency Contractor Program (RCP)	2,885		144		2,741	
<u>Whole House Fan Rebate</u>	25		0		25	
Rebates	2,477		0		2,477	
Downstream Appliance Incentives	1,130		0		1,130	
<u>Torchiere Turn In Event</u>	50		0		50	
<u>Refrigerator Recycling</u>	422		0		422	
<u>Energy Efficient Pools</u>	55		0		55	
<u>Refrigerator replacement</u>	610		0		610	
<u>A/C replacement</u>	210		0		210	
Loans	0		0		0	
Other	0		0		0	
Upstream Programs	4,843	35.1%	683	41.7%	4,160	34.2%
Information	1,889		453		1,436	
Contractor Training program	452		226		226	
Statewide Upstream Appliances	1,027		0		1,027	
Energy Star Windows Program	411		227		184	
Financial Assistance	2,954		230		2,724	
Upstream Distributor Incentive program	443		226		217	
Statewide Upstream Lighting	2,503		0		2,503	
Targeted Third Party Initiatives (TTPI)	8		4		4	

Note:  
Intervention Strategies listed in bold and underlined are either new Summer Initiative strategies or additions to existing strategies.

The Performance Incentive is not collected in PGC funds and not part of the Energy Efficiency budget.



San Diego Gas and Electric

Table 4  
Annual 2000 with Summer Initiative  
Energy Efficiency Budget  
7/21/2000  
Organized by Pre-1998 Categories

	Budget (\$,000)	Budget %	Gas (\$,000)	Gas %	Electric (\$,000)	Electric %
<b>NON-RESIDENTIAL</b>	<b>21,531</b>	<b>52.3%</b>	<b>2,303</b>	<b>47.2%</b>	<b>19,228</b>	<b>53.0%</b>
Information	1,723	8.0%	0	0%	1,723	9.0%
Information	818		0		818	
Emerging Technologies	50		0		50	
Energy Efficiency Financing (Energy Cents)	20		0		20	
Technical Assistance, Small Comprehensive	352		0		352	
Building Operator Certification	186		0		186	
Technical Assistance, Process	297		0		297	
EMS	598	2.8%	0	0%	598	3.1%
Large	0		0		0	
Small/Medium	598		0		598	
Energy Management Services	598		0		598	
EEl: Customized Rebates	0	0.0%	0	0%	0	0.0%
Large	0		0		0	
Small/Medium	0		0		0	
EEl: Prescriptive Rebates	7,808	36.3%	0	0%	7,808	40.6%
Large	1,758		0		1,758	
Tenant Improvement	1,058		0		1,058	
<b>Tenant Improvement (Summer Initiative)</b>	200		0		200	
<b>Express Efficiency</b>	200		0		200	
<b>LED Traffic Signals</b>	300		0		300	
Small/Medium	6,050		0		6,050	
Express Efficiency	2,700		0		2,700	
<b>LED Traffic Signals</b>	850		0		850	
<b>High Efficiency Lighting</b>	2,500		0		2,500	
EEl: SPCs	9,995	46.4%	2,236	97.1%	7,759	40.4%
Large	8,395		2,017		6,378	
<b><u>Nonresidential Standard performance Contract (NRSPC)</u></b>	8,395		2,017		6,378	
Small/Medium	1,600		218		1,382	
<b><u>Small Business Standard Performance Contract (SBSPC)</u></b>	1,600		218		1,382	
Upstream Programs	1,406	6.5%	68	2.9%	1,339	7.0%
Information	0		0		0	
Financial Assistance	1,406		68		1,339	
Food Services Efficient Dishwashing Technologies	169		0		169	
Commercial Horizontal Washers	338		68		271	
<b><u>Upstream HVAC Incentives (with Initiative)</u></b>	777		0		777	
Upstream Motors Incentives	123		0		123	

Note:  
Intervention Strategies listed in bold and underlined are either new Summer Initiative strategies or additions to existing strategies.

The Performance Incentive is not collected in PGC funds and not part of the Energy Efficiency budget.

San Diego Gas and Electric

Table 4  
Annual 2000 with Summer Initiative  
Energy Efficiency Budget  
7/21/2000  
Organized by Pre-1998 Categories

	Budget (\$,000)	Budget %	Gas (\$,000)	Gas %	Electric (\$,000)	Electric %
<b>NEW CONSTRUCTION</b>	<b>5,813</b>	<b>14.1%</b>	<b>933</b>	<b>19.1%</b>	<b>4,880</b>	<b>13.5%</b>
Residential	2,247	38.7%	311	33.4%	1,936	39.7%
Statewide Programs (Manufactured Housing)	135		27		108	
Residential Design Assistance	1,438		144		1,295	
Consumer Information & Awareness	337		0		337	
California Home Energy Rating System (CHEERS)	45		11		34	
New Energy Efficient Products and Services	90		45		45	
CEC's Public Interest Energy Research (PIER)	90		45		45	
Targeted Third Party Initiatives (TTPi)	112		39		73	
Nonresidential	3,116	53.6%	554	59.4%	2,562	52.5%
Savings By Design	1,630		236		1,394	
<u>Savings By Design (Summer Initiative)</u>	800		116		684	
Energy Design Resources	406		62		344	
Industrial & Agricultural New Construction	180		90		90	
<u>Industrial &amp; Agricultural New Construction (Summer Initiative)</u>	100		50		50	
Other	449	7.7%	67	7.2%	382	7.8%
New Construction Codes & Standards Support	225		34		191	
Local Government Initiatives	225		34		191	
<b>PROGRAM BUDGET</b>	<b>41,157</b>	<b>100.0%</b>	<b>4,875</b>	<b>100.0%</b>	<b>36,282</b>	<b>100.0%</b>
<b>MA&amp;E Administered by Interim Administrators</b>	<b>1,166</b>	<b>-</b>	<b>175</b>	<b>-</b>	<b>991</b>	<b>-</b>
<b>SDG&amp;E 2000 INTERIM ADMINISTRATOR BUDGET</b>	<b>42,323</b>	<b>-</b>	<b>5,050</b>	<b>-</b>	<b>37,273</b>	<b>-</b>
<b>Performance Incentive</b>	<b>2,881</b>	<b>-</b>	<b>449</b>	<b>-</b>	<b>2,432</b>	<b>-</b>

Note:  
Intervention Strategies listed in bold and underlined are either new Summer Initiative strategies or additions to existing strategies.

The Performance Incentive is not collected in PGC funds and not part of the Energy Efficiency budget.

San Diego Gas and Electric

Table 5  
Annual 2000 with Summer Initiative  
Energy Efficiency Cost-Effectiveness  
7/21/2000  
Organized by Pre-1998 Categories

	PPT Benefits (\$,000)	PPT Costs (\$,000)	PPT Net Benefits (\$,000)	PPT Ratio
<b>RESIDENTIAL</b>	<b>19,453</b>	<b>22,828</b>	<b>(3,375)</b>	<b>0.85</b>
Information	562	2,680	(2,118)	0.21
Statewide Energy Guide	210	269	(59.01)	
Energy Efficient Mortgage Program	56	245	(189)	
Information & Education	233	1,113	(880)	
In-Store Energy Efficient Demonstration Co-op Program	63	365	(302)	
<u>Direct Mail to High Users</u>	0	458	(458)	
<u>Newspaper Insert</u>	0	103	(103)	
<u>Expanded FEELI (Non Low Income)</u>	0	62	(62)	
<u>Distribute Peak Information</u>	0	51	(51)	
<u>Whole House Fan Brochure</u>	0	7	(7)	
<u>Torchiere Promotion</u>	0	8	(8)	
EMS	1,036	1,908	(872)	0.54
Energy Management Services	933	1,458	(524)	
<u>Additional In Home Audits</u>	47	132	(85)	
Time-of-Sale Home Energy Rating	56	319	(263)	
EEl	4,928	7,970	(3,042)	0.62
SPC	2,028	4,802	(2,774)	0.42
Residential Energy Efficiency Contractor Program (RCP)	2,004	4,732	(2,728)	
<u>Whole House Fan Rebate</u>	24	70	(46)	
Rebates	2,900	3,168	(268)	0.92
Downstream Appliance Incentives	955	1,659	(704)	
<u>Torchiere Turn In Event</u>	62	51	11	
<u>Refrigerator Recycling</u>	736	604	133	
<u>Energy Efficient Pools</u>	114	86	28	
<u>Refrigerator replacement</u>	721	596	125	
<u>A/C replacement</u>	311	173	139	
Loans	0	0	0	0.00
Other	0	0	0	0.00
Upstream Programs	12,927	10,270	2,657	1.26
Information	1,468	3,887	(2,420)	0.38
Contractor Training program	467	819	(352)	
Statewide Upstream Appliances	224	1,226	(1,002)	
Energy Star Windows Program	777	1,843	(1,065)	
Financial Assistance	11,459	6,382	5,077	1.80
Upstream Distributor Incentive program	0	455	(455)	
Statewide Upstream Lighting	11,459	5,919	5,540	
Targeted Third Party Initiatives (TTPI)	0	8	(8)	

Note:  
Intervention Strategies listed in bold and underlined are either new Summer Initiative strategies or additions to existing strategies.

The Performance Incentive is not collected in PGC funds and not part of the Energy Efficiency budget.

San Diego Gas and Electric

Table 5  
Annual 2000 with Summer Initiative  
Energy Efficiency Cost-Effectiveness  
7/21/2000  
Organized by Pre-1998 Categories

	PPT Benefits (\$,000)	PPT Costs (\$,000)	PPT Net Benefits (\$,000)	PPT Ratio
<b>NON-RESIDENTIAL</b>	<b>51,734</b>	<b>26,398</b>	<b>25,336</b>	<b>1.96</b>
Information	471	2,961	(2,490)	0.00
Information	137	970	(833)	0.14
Emerging Technologies	0	51	(51)	
Energy Efficiency Financing (Energy Cents)	137	738	(602)	
Technical Assistance, Small Comprehensive	28	394	(366)	
Building Operator Certification	14	320	(306)	
Technical Assistance, Process	156	486	(331)	
EMS	273	1,333	(1,059)	0.21
Large	0	0	0	0
Small/Medium	273	1,333	(1,059)	0.21
Energy Management Services	273	1,333	(1,059)	
EEl: Customized Rebates	0	0	0	0
Large	0	0	0	0
Small/Medium	0	0	0	0
EEl: Prescriptive Rebates	17,525	9,487	8,038	1.85
Large	5,740	2,220	3,520	2.59
Tenant Improvement	3,020	1,343	1,677	
<b>Tenant Improvement (Summer Initiative)</b>	1,172	349	823	
<b>Express Efficiency</b>	774	263	511	
<b>LED Traffic Signals</b>	774	265	509	
Small/Medium	11,785	7,267	4,519	1.62
Express Efficiency	5,963	3,733	2,230	
<b>LED Traffic Signals</b>	1,451	516	935	
<b>High Efficiency Lighting</b>	4,371	3,018	1,353	
EEl: SPCs	32,309	10,986	21,322	2.94
Large	27,149	9,248	17,901	2.94
Nonresidential Standard performance Contract (NRSPC)	27,149	9,248	17,901	
Small/Medium	5,159	1,738	3,421	2.97
Small Business Standard Performance Contract (SBSPC)	5,159	1,738	3,421	
Upstream Programs	1,156	1,632	(475)	0.71
Information	0	0	0	0
Financial Assistance	1,156	1,632	(475)	0.71
Food Services Efficient Dishwashing Technologies	236	176	60	
Commercial Horizontal Washers	438	564	(126)	
<b>Upstream HVAC Incentives (with Initiative)</b>	306	740	(435)	
Upstream Motors Incentives	177	152	25	

Note:  
Intervention Strategies listed in bold and underlined are either new Summer Initiative strategies or additions to existing strategies.

The Performance Incentive is not collected in PGC funds and not part of the Energy Efficiency budget.

San Diego Gas and Electric

Table 5  
Annual 2000 with Summer Initiative  
Energy Efficiency Cost-Effectiveness  
7/21/2000  
Organized by Pre-1998 Categories

	PPT Benefits (\$,000)	PPT Costs (\$,000)	PPT Net Benefits (\$,000)	PPT Ratio
<b>NEW CONSTRUCTION</b>	<b>11,812</b>	<b>7,282</b>	<b>4,530</b>	<b>1.62</b>
Residential	2,517	2,717	(200)	0.93
Statewide Programs (Manufactured Housing)	16	146	(130)	
Residential Design Assistance	2,359	1,759	600	
Consumer Information & Awareness	59	374	(315)	
California Home Energy Rating System (CHEERS)	24	57	(33)	
New Energy Efficient Products and Services	59	173	(113)	
CEC's Public Interest Energy Research (PIER)	0	92	(92)	
Targeted Third Party Initiatives (TTPi)	0	116	(116)	
Nonresidential	9,295	4,103	5,192	2.27
Savings By Design	5,727	2,208	3,519	
<u>Savings By Design (Summer Initiative)</u>	2,448	985	1,463	
Energy Design Resources	0	418	(418)	
Industrial & Agricultural New Construction	286	256	30	
<u>Industrial &amp; Agricultural New Construction (Summer Initiative)</u>	833	236	597	
Other	0	462	(462)	0
New Construction Codes & Standards Support	0	231	(231)	
Local Government Initiatives	0	231	(231)	
<b>PROGRAM BUDGET</b>	<b>82,999</b>	<b>56,507</b>	<b>26,491</b>	<b>1.47</b>
<b>MA&amp;E Administered by Interim Administrators</b>	-	-	-	-
<b>SDG&amp;E 2000 INTERIM ADMINISTRATOR BUDGET</b>	<b>82,999</b>	<b>56,507</b>	<b>26,491</b>	<b>1.47</b>
<b>Performance Incentive</b>	-	-	-	-

Note:  
Intervention Strategies listed in bold and underlined are either new Summer Initiative strategies or additions to existing strategies.

The Performance Incentive is not collected in PGC funds and not part of the Energy Efficiency budget.

## San Diego Gas and Electric

**Table 6**  
**New Proposals for Program Year 2000**  
**7/21/2000**

<b>Residential</b>	<b>Total Budget</b>	<b>kW</b>	<b>kWh</b>	<b>PPT</b>	<b>PPT - Px</b>
<b>Residential Lighting</b>					
<i>Torchiere Turn In Event</i>	\$ 50,000	240	254,000	1.25	1.86
<b>Residential Appliances</b>					
<i>Refrigerator Recycling</i>	\$ 422,000	400	2,617,600	1.24	2.21
<b>Residential Retrofit &amp; Renovation</b>					
<i>Refrigerator replacement</i>	\$ 609,930	73	1,215,000	1.25	1.37
<i>A/C replacement</i>	\$ 210,100	497	524,868	1.87	3.08
<b>Residential Total</b>	<b>\$ 1,292,030</b>	<b>1,210</b>	<b>4,611,468</b>		
 <b>Nonresidential</b>					
<b>Small Non-Residential Comprehensive Retrofit</b>					
<i>High Efficiency Lighting</i>	\$ 2,499,667	3,228	8,393,667	1.48	1.63
<i>LED Traffic Signals</i>	\$ 850,000	525	4,600,000	2.95	3.79
<b>Nonresidential Total</b>	<b>\$ 3,349,667</b>	<b>3,753</b>	<b>12,993,667</b>		
<b>Total Summer Initiative New Proposals</b>	<b>\$ 4,641,697</b>	<b>4,963</b>	<b>17,605,135</b>		

## San Diego Gas and Electric

Table 7

New Proposals for Program Year 2001

7/21/2000

<b>Residential</b>	<b>Total Budget</b>	<b>kW</b>	<b>kWh</b>	<b>PPT</b>	<b>PPT - Px</b>
<b>Residential Heating &amp; Cooling Systems</b>					
<i>Whole House Fan Rebate</i>	\$ 100,000	1,514	220,541	0.41	1.29
<b>Residential Appliances</b>					
<i>Refrigerator Recycling</i>	\$ 1,000,000	2,183	14,288,210	2.90	3.26
<b>Residential Retrofit &amp; Renovation</b>					
<i>Energy Efficient Pools</i>	\$ 196,995	6,000	5,096,000	0.78	1.38
<i>EE pools / VDA Meters Pilot</i>	\$ 183,005	n/a	n/a	n/a	n/a
<i>Refrigerator replacement</i>	\$ 999,955	116	1,933,924	1.29	1.37
<i>A/C replacement</i>	\$ 599,824	1,376	1,454,824	1.94	3.06
<b>Residential Total</b>	<b>\$ 3,079,778</b>	<b>11,189</b>	<b>22,993,498</b>		
<b>Nonresidential</b>					
<b>Small Non-Residential Comprehensive Retrofit</b>					
<i>High Efficiency Lighting</i>	\$ 1,500,000	1,937	5,036,200	1.54	1.63
<i>LED Traffic Signals</i>	\$ 500,000	337	2,948,718	3.58	4.39
<b>Nonresidential Total</b>	<b>\$ 2,000,000</b>	<b>2,274</b>	<b>7,984,918</b>		
<b>Total Summer Initiative New Proposals</b>	<b>\$ 5,079,778</b>	<b>13,463</b>	<b>30,978,416</b>		

## San Diego Gas and Electric

**Table 8**  
**Annual 2000 Energy Efficiency Cost-Effectiveness Calculations 7/21/2000**  
 Organized by Program Areas and Intervention Strategies

	A	B	C	D	E	F	G	H	I	J
1	<b>RESIDENTIAL PROGRAM AREA</b>									
2	<b>INTERVENTION STRATEGY</b>	<b>Contractor Training program</b>	<b>Upstream Distributor Incentive program</b>	<b>Statewide Energy Guide</b>	<b>Information &amp; Education</b>	<b>Statewide Upstream Lighting</b>				
3	<b>MEASURE or ENDUSE</b>					<b>Interior</b>	<b>Exterior</b>	<b>CFL bulbs</b>	<b>Torchiere</b>	<b>TOTAL</b>
4	Measure Life (years)	9.0	10.0	9.0	9.0	20.0	20.0	9.0	9.4	n/a
5	Hours per day	n/a	n/a	n/a	n/a	2.90	8.74	2.90	2.90	n/a
6	Installation rate	n/a	n/a	n/a	n/a	0.93	0.85	0.85	0.85	n/a
7	Diversity factor	n/a	n/a	n/a	n/a	0.11	0.00	0.11	0.11	n/a
8	Base watts	n/a	n/a	n/a	n/a	150.00	125.00	100.00	300.00	n/a
9	Enhanced watts	n/a	n/a	n/a	n/a	30.00	27.00	27.00	55.00	n/a
10										
11	Net Units	5,000	n/a	2,250	2,500	20,000	35,000	25,000	45,000	n/a
12	Gross Units	50,000	n/a	45,000	50,000	20,000	35,000	25,000	45,000	n/a
13	Net to Gross Ratio	1	n/a	1	0	1	1	1	1	n/a
14	PV Customer Cost	71	n/a	71	71	35	39	15	49	n/a
15	<b>TOTAL BENEFIT</b>	93	n/a	93	93	75	169	23	77	n/a
16	avoided ENERGY (kWh) per Unit	0	n/a	0	0	75	169	23	77	n/a
17	avoided THERM (Mcf) per Unit	0	n/a	0	0	0	0	0	0	n/a
18	market effects (\$) per Unit	93	n/a	93	93	n/a	n/a	n/a	n/a	n/a
19	INCENTIVE \$ per Unit	n/a	n/a	n/a	n/a	10	10	3	15	n/a
20	KW SAVINGS per Unit	n/a	n/a	n/a	n/a	0	0	0	0	n/a
21	kWh SAVINGS per Unit	n/a	n/a	n/a	n/a	118	266	66	220	n/a
22	Therm SAVINGS per Unit	n/a	n/a	n/a	n/a	0	0	0	0	n/a
23	Mkt Effects KW SAVINGS per Unit	0.0	n/a	0.0	0.0	n/a	n/a	n/a	n/a	n/a
24	Mkt Effects kWh SAVINGS per Unit	88.3	n/a	88.3	88.3	n/a	n/a	n/a	n/a	n/a
25	Mkt Effects Therm SAVINGS per Unit	21.9	n/a	21.9	21.9	n/a	n/a	n/a	n/a	n/a
26	Participants' Cost (net)	\$354,450	\$0	\$159,503	\$177,225	\$700,000	\$1,365,000	\$375,000	\$2,205,000	\$4,645,000
27	<b>PROGRAM BUDGET</b>	\$451,541	\$442,510	\$106,475	\$909,822	\$425,522	\$525,644	\$425,522	\$1,126,381	\$2,503,069
28	Administrative Cost	\$90,308	\$88,502	\$21,295	\$181,964	\$125,153	\$125,153	\$125,153	\$125,153	\$500,614
29	Implementation Cost	\$361,232	\$354,008	\$85,180	\$727,857	\$300,368	\$400,490.96	\$300,368	\$1,001,227	\$2,002,455
30	Incentive Cost	\$0	\$0	\$0	\$0	\$200,000	\$350,000	\$75,000	\$675,000	\$1,300,000
31	Other Implementation Costs	\$361,232	\$354,008	\$85,180	\$727,857	\$100,368	\$50,491	\$225,368	\$326,227	\$702,455
32	PPT Benefits	\$466,641	\$0	\$209,988	\$233,320	\$1,505,649	\$5,927,287	\$571,781	\$3,454,183	\$11,458,899
33	PPT Costs	\$805,991	\$442,510	\$265,978	\$1,087,047	\$925,522	\$1,540,644	\$725,522	\$2,656,381	\$5,848,069
34	PPT Net Benefits	(\$339,350)	(\$442,510)	(\$55,989)	(\$853,726)	\$580,127	\$4,386,643	(\$153,741)	\$797,802	\$5,610,831
35	PPT Ratic	0.58	0.00	0.79	0.21	1.63	3.85	0.79	1.30	1.96



## San Diego Gas and Electric

**Table 8**  
**Annual 2000 Energy Efficiency Cost-Effectiveness Calculations 7/21/2000**  
 Organized by Program Areas and Intervention Strategies

	A	K	L	M	N	O	P	Q	R	S
1	<b>RESIDENTIAL PROGRAM AREA</b>									
2	<b>INTERVENTION STRATEGY</b>	<b>Statewide Upstream Appliances</b>	<b>Downstream Appliance Incentives</b>					<b>Targeted Third Party Initiatives (TTPI)</b>	<b>Residential Energy Efficiency Contractor Program (RCP)</b>	<b>Time-of-Sale Home Energy Rating</b>
3	<b>MEASURE or ENDUSE</b>		<b>Refrigerator</b>	<b>Clothes Washer</b>	<b>Dishwasher</b>	<b>Room A/C</b>	<b>TOTAL</b>			
4	Measure Life (years)	9.0	13.0	13.0	9.0	11.0	n/a	n/a	n/a	9.0
5	Hours per day	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
6	Installation rate	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
7	Diversity factor	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
8	Base watts	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
9	Enhanced watts	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
10										
11	Net Units	2,400	2,600	2,550	850	420	n/a	n/a	1	600
12	Gross Units	48,000	2,600	2,550	850	420	n/a	n/a	1	600
13	Net to Gross Ratio	0	1	1	1	1	n/a	n/a	1	1
14	PV Customer Cost	71	100	300	85	51	n/a	n/a	5,726	71
15	TOTAL BENEFIT	93	57	288	55	60	n/a	n/a	5,227	93
16	avoided ENERGY (kWh) per Unit	0	57	288	55	60	n/a	n/a	1,478	0
17	avoided THERM (Mcf) per Unit	0	0	0	0	0	n/a	n/a	3,749	0
18	market effects (\$) per Unit	93	n/a	n/a	n/a	n/a	n/a	n/a	n/a	93
19	INCENTIVE \$ per Unit	n/a	140	75	50	60	n/a	n/a	902,047	n/a
20	KW SAVINGS per Unit	n/a	0	0	0	0	n/a	n/a	0	n/a
21	kWh SAVINGS per Unit	n/a	121	617	158	147	n/a	n/a	2,556	n/a
22	Therm SAVINGS per Unit	n/a	0	0	0	0	n/a	n/a	802	n/a
23	Mkt Effects KW SAVINGS per Unit	0.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.0
24	Mkt Effects kWh SAVINGS per Unit	88.3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	88.3
25	Mkt Effects Therm SAVINGS per Unit	21.9	n/a	n/a	n/a	n/a	n/a	n/a	n/a	21.9
26	Participants' Cost (net)	\$170,136	\$261,196	\$765,000	\$72,250	\$21,420	\$1,119,866	\$0	\$2,666,918	\$42,534
27	PROGRAM BUDGET	\$1,026,803	\$508,390	\$282,439	\$146,868	\$192,058	\$1,129,755	\$7,951	\$2,885,410	\$268,378
28	Administrative Cost	\$205,361	\$56,488	\$56,488	\$56,488	\$56,488	\$225,951	\$1,590	\$577,082	\$53,676
29	Implementation Cost	\$821,443	\$451,902	\$225,951	\$90,380	\$135,571	\$903,804	\$6,361	\$2,308,328	\$214,702
30	Incentive Cost	\$0	\$364,000	\$191,250	\$42,500	\$25,200	\$622,950	\$0	\$902,047	\$0
31	Other Implementation Costs	\$821,443	\$87,902	\$34,701	\$47,880	\$110,371	\$280,854	\$6,361	\$1,406,281	\$214,702
32	PPT Benefits	\$223,988	\$147,085	\$735,589	\$46,766	\$25,323	\$954,763	\$0	\$2,003,590	\$55,997
33	PPT Costs	\$1,196,939	\$405,586	\$856,189	\$176,618	\$188,278	\$1,626,671	\$7,951	\$4,650,282	\$310,912
34	PPT Net Benefits	(\$972,952)	(\$258,500)	(\$120,599)	(\$129,852)	(\$162,956)	(\$671,907)	(\$7,951)	(\$2,646,692)	(\$254,915)
35	PPT Ratic	0.19	0.36	0.86	0.26	0.13	0.59	0.00	0.43	0.18

San Diego Gas and Electric

**Table 8**  
**Annual 2000 Energy Efficiency Cost-Effectiveness Calculations 7/21/2000**  
 Organized by Program Areas and Intervention Strategies

	A	T	U	V	W	X
1	<b>RESIDENTIAL PROGRAM AREA</b>					
2	<b>INTERVENTION STRATEGY</b>	<b>Energy Efficient Mortgage Program</b>	<b>In-Store Energy Efficient Demonstration Co-op Program</b>	<b>Energy Star Windows Program</b>	<b>Energy Management Services</b>	<b>Existing Residential Total</b>
3	<b>MEASURE or ENDUSE</b>					
4	Measure Life (years)	9.0	9.0	20	9.0	n/a
5	Hours per day	n/a	n/a	n/a	n/a	n/a
6	Installation rate	n/a	n/a	n/a	n/a	n/a
7	Diversity factor	n/a	n/a	n/a	n/a	n/a
8	Base watts	n/a	n/a	n/a	n/a	n/a
9	Enhanced watts	n/a	n/a	n/a	n/a	n/a
10						
11	Net Units	600	675	20,000	10,000	n/a
12	Gross Units	600	675	20,000	10,000	n/a
13	Net to Gross Ratio	1	1	1	1	n/a
14	PV Customer Cost	71	71	81	71	n/a
15	TOTAL BENEFIT	93	93	39	93	n/a
16	avoided ENERGY (kWh) per Unit	0	0	26	31	n/a
17	avoided THERM (Mcf) per Unit	0	0	12	63	n/a
18	market effects (\$) per Unit	93	93	n/a	n/a	n/a
19	INCENTIVE \$ per Unit	n/a	n/a	10	18	n/a
20	KW SAVINGS per Unit	n/a	n/a	0	0	n/a
21	kWh SAVINGS per Unit	n/a	n/a	42	88	n/a
22	Therm SAVINGS per Unit	n/a	n/a	3	22	n/a
23	Mkt Effects KW SAVINGS per Unit	0.0	0.0	n/a	n/a	n/a
24	Mkt Effects kWh SAVINGS per Unit	88.3	88.3	n/a	n/a	n/a
25	Mkt Effects Therm SAVINGS per Unit	21.9	21.9	n/a	n/a	n/a
26	Participants' Cost (net)	\$42,534	\$47,851	\$1,620,000	\$708,900	\$11,754,917
27	PROGRAM BUDGET	\$196,818	\$307,951	\$410,902	\$903,081	\$11,550,464
28	Administrative Cost	\$39,364	\$61,590	\$82,180	\$180,616	\$2,310,093
29	Implementation Cost	\$157,455	\$246,361	\$328,722	\$722,465	\$9,240,371
30	Incentive Cost	\$0	\$0	\$200,000	\$180,000	\$3,204,997
31	Other Implementation Costs	\$157,455	\$246,361	\$128,722	\$542,465	\$6,035,375
32	PPT Benefits	\$55,997	\$62,997	\$777,193	\$933,282	\$17,436,655
33	PPT Costs	\$239,352	\$355,801	\$1,830,902	\$1,431,981	\$20,100,384
34	PPT Net Benefits	(\$183,356)	(\$292,805)	(\$1,053,709)	(\$498,699)	(\$2,663,729)
35	PPT Ratic	0.23	0.18	0.42	0.65	0.87

**San Diego Gas and Electric**

**Table 9**  
**Annual 2000 Energy Efficiency Cost-Effectiveness Calculations 7/21/2000**  
 Organized by Program Areas and Intervention Strategies

	A	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL
1	<b>NONRESIDENTIAL PROGRAM AREA</b>													
2	<b>INTERVENTION STRATEGY</b>	<b>Nonresidential Standard performance Contract (NRSPC)</b>				<b>Express Efficiency</b>	<b>Small Business Standard Performance Contract (SBSPC)</b>				<b>Energy Management Services</b>	<b>Information</b>	<b>Commercial Horizontal Washers</b>	<b>Energy Efficiency Financing (Energy Cents)</b>
3	<b>MEASURE or ENDUSE</b>	<b>HVAC / Refrigeration</b>	<b>Lighting</b>	<b>Other</b>	<b>TOTAL</b>		<b>HVAC / Refrigeration</b>	<b>Lighting</b>	<b>Other</b>	<b>TOTAL</b>				
4	Measure Life (years)	20.0	16.0	10.0	n/a	n/a	20.0	16.0	10.0	n/a	7.0	7.0	10.0	7.0
5	Hours per day	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
6	Installation rate	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
7	Diversity factor	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
8	Base watts	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
9	Enhanced watts	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
10														
11	Net Units	1	1	1	n/a	1	1	1	1	n/a	1,000	500	973	500
12	Gross Units	1	1	1	n/a	1	1	1	1	n/a	1,000	10,000	973	500
13	Net to Gross Ratio	1	1	1	n/a	1	1	1	1	n/a	1	0	1	1
14	PV Customer Cost	4,149,775	1,219,224	1,805,346	n/a	2,384,404	746,027	219,186	324,557	n/a	717	258	500	1,435
15	TOTAL BENEFIT	16,599,101	4,876,896	7,221,383	n/a	5,963,417	2,984,109	876,746	1,298,224	n/a	273	273	450	273
16	avoided ENERGY (kWh) per Unit	14,791,452	4,876,896	1,556,653	n/a	5,963,417	2,659,137	876,746	279,848	n/a	0	0	42	0
17	avoided THERM (Mcf) per Unit	1,807,649	0	5,664,730	n/a	0	324,972	0	1,018,377	n/a	0	0	408	0
18	market effects (\$) per Unit	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	273	273	n/a	273
19	INCENTIVE \$ per Unit	4,699,875	670,033	1,180,496	n/a	1,427,556	864,339	120,455	212,224	n/a	n/a	n/a	278	n/a
20	KW SAVINGS per Unit	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
21	kWh SAVINGS per Unit	23,209,843	8,933,767	4,098,809	n/a	12,239,460	4,172,556	1,606,071	736,864	n/a	n/a	n/a	110	n/a
22	Therm SAVINGS per Unit	364,092	0	1,824,069	n/a	0	65,455	0	327,922	n/a	n/a	n/a	131	n/a
23	Mkt Effects KW SAVINGS per Unit	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.0	0.0	n/a	0.0
24	Mkt Effects kWh SAVINGS per Unit	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	972	972	n/a	972
25	Mkt Effects Therm SAVINGS per Unit	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.0	0.0	n/a	0.0
26	Participants' Cost (net)	\$4,149,775	\$1,219,224	\$1,805,346	\$7,174,345	\$2,384,404	\$746,027	\$219,186	\$324,557	\$1,289,770	\$717,434	\$128,977	\$486,500	\$717,434
27	PROGRAM BUDGET	\$6,321,931	\$933,458	\$1,644,611	\$8,900,000	\$2,700,000	\$1,136,527	\$167,813	\$295,660	\$1,600,000	\$598,256	\$818,000	\$338,189	\$20,299
28	Administrative Cost	\$1,264,386	\$186,692	\$328,922	\$1,780,000	\$540,000	\$227,305	\$33,563	\$59,132	\$320,000	\$119,651	\$163,600	\$67,638	\$4,060
29	Implementation Cost	\$5,057,545	\$746,766	\$1,315,689	\$7,120,000	\$2,160,000	\$909,222	\$134,250	\$236,528	\$1,280,000	\$478,605	\$654,400	\$270,551	\$16,239
30	Incentive Cost	\$4,699,875	\$670,033	\$1,180,496	\$6,550,403	\$1,427,556	\$864,339	\$120,455	\$212,224	\$1,197,018	\$0	\$0	\$270,437	\$0
31	Other Implementation Costs	\$357,670	\$76,733	\$135,193	\$569,597	\$732,444	\$44,883	\$13,795	\$24,304	\$82,982	\$478,605	\$654,400	\$115	\$16,239
32	PPT Benefits	\$16,599,101	\$4,876,896	\$7,221,383	\$28,697,380	\$5,963,417	\$2,984,109	\$876,746	\$1,298,224	\$5,159,079	\$273,390	\$136,695	\$437,514	\$136,695
33	PPT Costs	\$5,771,832	\$1,482,649	\$2,269,461	\$9,523,941	\$3,656,848	\$1,018,215	\$266,544	\$407,993	\$1,692,752	\$1,315,690	\$946,977	\$554,253	\$737,733
34	PPT Net Benefits	\$10,827,269	\$3,394,247	\$4,951,922	\$19,173,438	\$2,306,569	\$1,965,894	\$610,202	\$890,232	\$3,466,328	(\$1,042,300)	(\$810,282)	(\$116,738)	(\$601,038)
35	PPT Ratio	2.88	3.29	3.18	3.01	1.63	2.93	3.29	3.18	3.05	0.21	0.14	0.79	0.19

## San Diego Gas and Electric

**Table 9**  
**Annual 2000 Energy Efficiency Cost-Effectiveness Calculations 7/21/2000**  
 Organized by Program Areas and Intervention Strategies

	A	AM	AN	AO	AP	AQ	AR	AS	AT	AU
1										
2	<b>INTERVENTION STRATEGY</b>	<b>Food Services Efficient Dishwashing Technologies</b>	<b>Upstream HVAC Incentives (with Initiative)</b>	<b>Technical Assistance, Small Comprehensive</b>	<b>Upstream Motors Incentives</b>	<b>Emerging Technologies</b>	<b>Building Operator Certification</b>	<b>Technical Assistance, Process</b>	<b>Tenant Improvement (Summer Initiative)</b>	<b>Existing NonResidential Total</b>
3	<b>MEASURE or ENDUSE</b>									
4	Measure Life (years)	5.0	15.0	10.0	15.0	n/a	7.0	10.0	15.0	n/a
5	Hours per day	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
6	Installation rate	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
7	Diversity factor	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
8	Base watts	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
9	Enhanced watts	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
10										
11	Net Units	100	1	1	1	n/a	50	1	1	n/a
12	Gross Units	100	1	1	1	n/a	100	1	1	n/a
13	Net to Gross Ratio	1	1	1	1	n/a	1	1	1	n/a
14	PV Customer Cost	75	131,064	32,456	52,040	n/a	2,580	180,535	755,012	n/a
15	<b>TOTAL BENEFIT</b>	<b>2,363</b>	<b>305,650</b>	<b>27,985</b>	<b>176,621</b>	<b>n/a</b>	<b>273</b>	<b>155,665</b>	<b>3,020,047</b>	<b>n/a</b>
16	avoided ENERGY (kWh) per Unit	0	n/a		176,621	n/a	0		2,603,814	n/a
17	avoided THERM (Mcf) per Unit	2,363	n/a	0	n/a	n/a	0	0	416,233	n/a
18	market effects (\$) per Unit	n/a	n/a	27,985	n/a	n/a	273	155,665	n/a	n/a
19	INCENTIVE \$ per Unit	50	189,488	0	26,647	n/a	n/a	0	500,000	n/a
20	KW SAVINGS per Unit	0	n/a	n/a	n/a	n/a	n/a	n/a	0	n/a
21	kWh SAVINGS per Unit	0	n/a	n/a	339,158	n/a	n/a	n/a	5,000,000	n/a
22	Therm SAVINGS per Unit	1,356	n/a	n/a	n/a	n/a	n/a	n/a	100,000	n/a
23	Mkt Effects KW SAVINGS per Unit	n/a	n/a	n/a	n/a	n/a	0.0	n/a	n/a	n/a
24	Mkt Effects kWh SAVINGS per Unit	n/a	n/a	73,686	n/a	n/a	972	409,881	n/a	n/a
25	Mkt Effects Therm SAVINGS per Unit	n/a	n/a	n/a	n/a	n/a	0.0	n/a	n/a	n/a
26	Participants' Cost (net)	\$7,500	\$131,064	\$32,456	\$52,040	\$0	\$128,977	\$180,535	\$755,012	\$14,186,448
27	<b>PROGRAM BUDGET</b>	<b>\$168,723</b>	<b>\$776,637</b>	<b>\$352,000</b>	<b>\$122,640</b>	<b>\$50,000</b>	<b>\$185,818</b>	<b>\$297,309</b>	<b>\$1,058,421</b>	<b>\$17,986,292</b>
28	Administrative Cost	\$33,745	\$155,327	\$70,400	\$24,528	\$10,000	\$37,164	\$59,462	\$211,684	\$3,597,258
29	Implementation Cost	\$134,978	\$621,309	\$281,600	\$98,112	\$40,000	\$148,655	\$237,847	\$846,737	\$14,389,034
30	Incentive Cost	\$5,000	\$189,488	\$0	\$26,647	\$0	\$0	\$0	\$500,000	\$10,166,549
31	Other Implementation Costs	\$129,978	\$431,822	\$281,600	\$71,465	\$40,000	\$148,655	\$237,847	\$346,737	\$4,222,484
32	PPT Benefits	\$236,328	\$305,650	\$27,985	\$176,621	\$0	\$13,670	\$155,665	\$3,020,047	\$44,740,137
33	PPT Costs	\$171,223	\$718,213	\$384,456	\$148,033	\$50,000	\$314,795	\$477,844	\$1,313,433	\$22,006,191
34	PPT Net Benefits	\$65,105	(\$412,563)	(\$356,471)	\$28,588	(\$50,000)	(\$301,126)	(\$322,179)	\$1,706,614	\$22,733,945
35	PPT Ratio	1.38	0.43	0.07	1.19	0.00	0.04	0.33	2.30	2.03

**San Diego Gas and Electric**

**Table 10**  
**Annual 2000 Energy Efficiency Cost-Effectiveness Calculations 7/21/2000**  
 Organized by Program Areas and Intervention Strategies

	A	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF
1	<b>NEW CONSTRUCTION PROGRAM AREA</b>										
2	<b>INTERVENTION STRATEGY</b>	<b>Residential Design Assistance</b>	<b>New Energy Efficient Products and Services</b>	<b>Statewide Programs (Manufactured Housing)</b>	<b>CEC's Public Interest Energy Research (PIER)</b>	<b>Targeted Third Party Initiatives (TTPI)</b>	<b>California Home Energy Rating System (CHEERS)</b>	<b>Consumer Information &amp; Awareness</b>	<b>Savings By Design (Summer Initiative)</b>	<b>Energy Design Resources</b>	<b>Industrial &amp; Agricultural New Construction (Summer Initiative)</b>
3	<b>MEASURE or ENDUSE</b>										
4	Measure Life (years)	20.0	10.0	20.0	n/a	n/a	20.0	20.0	15.0	n/a	15.0
5	Hours per day	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
6	Installation rate	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
7	Diversity factor	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
8	Base watts	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
9	Enhanced watts	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
10											
11	Net Units	2,000	1,000	135	n/a	n/a	200	1,000	1	n/a	1
12	Gross Units	2,000	1,000	135	n/a	n/a	200	1,000	1	n/a	1
13	Net to Gross Ratio	1	1	1	n/a	n/a	1	1	1	n/a	1
14	PV Customer Cost	540	80	54	n/a	n/a	54	27	1,431,862	n/a	71,593
15	TOTAL BENEFIT	1,180	59	118	n/a	n/a	118	59	5,727,447	n/a	286,372
16	avoided ENERGY (kWh) per Unit	1,104	n/a	n/a	n/a	n/a	n/a	n/a	4,686,864	n/a	n/a
17	avoided THERM (Mcf) per Unit	75	0	8	n/a	n/a	8	4	1,040,582	n/a	52,029
18	market effects (\$) per Unit	n/a	59	110	n/a	n/a	110	55	n/a	n/a	234,343
19	INCENTIVE \$ per Unit	400	0	0	n/a	n/a	0	0	900,000	n/a	0
20	KW SAVINGS per Unit	1	n/a	n/a	n/a	n/a	n/a	n/a	3,707	n/a	n/a
21	kWh SAVINGS per Unit	1,732	n/a	n/a	n/a	n/a	n/a	n/a	9,000,000	n/a	n/a
22	Therm SAVINGS per Unit	15	n/a	n/a	n/a	n/a	n/a	n/a	250,000	n/a	n/a
23	Mkt Effects KW SAVINGS per Unit	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
24	Mkt Effects kWh SAVINGS per Unit	n/a	156	173.24	n/a	n/a	173.24	86.62	n/a	n/a	450,000
25	Mkt Effects Therm SAVINGS per Unit	n/a	n/a	1.52	n/a	n/a	1.52	0.76	n/a	n/a	12,500
26	Participants' Cost (net)	\$1,080,000	\$80,469	\$7,290	\$0	\$0	\$10,800	\$27,000	\$1,431,862	\$0	\$71,593
27	PROGRAM BUDGET	\$1,438,369	\$89,898	\$134,847	\$89,898	\$112,373	\$44,949	\$337,118	\$1,630,000	\$406,339	\$179,796
28	Administrative Cost	\$287,674	\$17,980	\$26,969	\$17,980	\$22,475	\$8,990	\$67,424	\$326,000	\$81,268	\$35,959
29	Implementation Cost	\$1,150,695	\$71,918	\$107,878	\$71,918	\$89,898	\$35,959	\$269,694	\$1,304,000	\$325,071	\$143,837
30	Incentive Cost	\$800,000	\$0	\$0	\$0	\$0	\$0	\$0	\$900,000	\$0	\$0
31	Other Implementation Costs	\$350,695	\$71,918	\$107,878	\$71,918	\$89,898	\$35,959	\$269,694	\$404,000	\$325,071	\$143,837
32	PPT Benefits	\$2,359,105	\$59,417	\$15,924	\$0	\$0	\$23,591	\$58,978	\$5,727,447	\$0	\$286,372
33	PPT Costs	\$1,718,369	\$170,367	\$142,137	\$89,898	\$112,373	\$55,749	\$364,118	\$2,161,862	\$406,339	\$251,389
34	PPT Net Benefits	\$640,736	(\$110,950)	(\$126,213)	(\$89,898)	(\$112,373)	(\$32,158)	(\$305,140)	\$3,565,585	(\$406,339)	\$34,983
35	PPT Ratio	1.37	0.35	0.11	0.00	0.00	0.42	0.16	2.65	0.00	1.14

**San Diego Gas and Electric**

**Table 10**  
**Annual 2000 Energy Efficiency Cost-Effectiveness Calculations 7/21/2000**  
 Organized by Program Areas and Intervention Strategies

	A	BG	BH	BI	BJ	BK
1						
2	<b>INTERVENTION STRATEGY</b>	<b>New Construction Codes &amp; Standards Support (Peak)</b>	<b>Local Government Initiatives (Peak)</b>	<b>Existing New Construction Total</b>		<b>EXISTING PORTFOLIO TOTAL</b>
3	<b>MEASURE or ENDUSE</b>					
4	Measure Life (years)	n/a	n/a	n/a		n/a
5	Hours per day	n/a	n/a	n/a		n/a
6	Installation rate	n/a	n/a	n/a		n/a
7	Diversity factor	n/a	n/a	n/a		n/a
8	Base watts	n/a	n/a	n/a		n/a
9	Enhanced watts	n/a	n/a	n/a		n/a
10						n/a
11	Net Units	n/a	n/a	n/a		n/a
12	Gross Units	n/a	n/a	n/a		n/a
13	Net to Gross Ratio	n/a	n/a	n/a		n/a
14	PV Customer Cost	n/a	n/a	n/a		n/a
15	TOTAL BENEFIT	n/a	n/a	n/a		n/a
16	avoided ENERGY (kWh) per Unit	n/a	n/a	n/a		n/a
17	avoided THERM (Mcf) per Unit	n/a	n/a	n/a		n/a
18	market effects (\$) per Unit	n/a	n/a	n/a		n/a
19	INCENTIVE \$ per Unit	n/a	n/a	n/a		n/a
20	KW SAVINGS per Unit	n/a	n/a	n/a		n/a
21	kWh SAVINGS per Unit	n/a	n/a	n/a		n/a
22	Therm SAVINGS per Unit	n/a	n/a	n/a		n/a
23	Mkt Effects KW SAVINGS per Unit	n/a	n/a	n/a		n/a
24	Mkt Effects kWh SAVINGS per Unit	n/a	n/a	n/a		n/a
25	Mkt Effects Therm SAVINGS per Unit	n/a	n/a	n/a		n/a
26	Participants' Cost (net)	\$0	\$0	\$2,709,014		\$28,650,379
27	PROGRAM BUDGET	\$224,745	\$224,745	\$4,913,077		\$34,449,833
28	Administrative Cost	\$44,949	\$44,949	\$982,615		\$6,889,967
29	Implementation Cost	\$179,796	\$179,796	\$3,930,462		\$27,559,867
30	Incentive Cost	\$0	\$0	\$1,700,000		n/a
31	Other Implementation Costs	\$179,796	\$179,796	\$2,230,462		n/a
32	PPT Benefits	\$0	\$0	\$8,530,833		\$70,707,625
33	PPT Costs	\$224,745	\$224,745	\$5,922,091		\$48,028,666
34	PPT Net Benefits	(\$224,745)	(\$224,745)	\$2,608,742		\$22,678,959
35	PPT Ratio	0.00	0.00	1.44		1.47

San Diego Gas and Electric

Table 11  
Annual 2000 Summer Initiative Cost-Effectiveness Calculations  
Organized by Program Areas and Intervention Strategies  
7/21/2000

	A	B	C	D	E	F	I
1	<b>RESIDENTIAL PROGRAM AREA</b>						
2	<b>INTERVENTION STRATEGY</b>	<b>Whole House Fan Rebate</b>	<b>Whole House Fan Brochure</b>	<b>Torchiere Turn In Event</b>	<b>Torchiere Promotion</b>	<b>Refrigerator Recycling</b>	<b>Additional In Home Audits</b>
4	Measure Life (years)	18.0	n/a	6.0	n/a	7.0	9.0
5	Hours per day	n/a	n/a	n/a	n/a	n/a	n/a
6	Installation rate	n/a	n/a	n/a	n/a	n/a	n/a
7	Diversity factor	n/a	n/a	n/a	n/a	n/a	n/a
8	Base watts	n/a	n/a	n/a	n/a	n/a	n/a
9	Enhanced watts	n/a	n/a	n/a	n/a	n/a	n/a
10			n/a		n/a		
11	Net Units	100	n/a	1,000	n/a	1,600	500
12	Gross Units	100	n/a	1,000	n/a	1,600	500
13	Net to Gross Ratio	1	n/a	1	n/a	1	1
14	Customer Cost	\$ 600	n/a	\$ 30	n/a	\$ 156	\$ 71
15	TOTAL BENEFIT	\$ 242	n/a	\$ 62	n/a	\$ 460	\$ 93
16	avoided ENERGY (kWh) per Unit	\$ 242	n/a	\$ 62	n/a	\$ 460	\$ 31
17	avoided THERM (Mcf) per Unit	\$ -	n/a	\$ -	n/a	\$ -	\$ 63
18	INCENTIVE \$ per Unit	\$ 150	n/a	n/a	n/a	\$ 50	\$ 18
19	KW SAVINGS per Unit	2,800	n/a	0.240	n/a	0.250	0.059
20	kWh SAVINGS per Unit	408	n/a	254	n/a	1,636	88
21	Therm SAVINGS per Unit	n/a	n/a	n/a	n/a	n/a	22
25	Participants' Cost (net)	\$60,000	n/a	\$30,000	n/a	\$249,600	\$35,445
26	PROGRAM BUDGET	\$24,500	\$7,000	\$50,000	\$100,000	\$422,000	\$128,101
27	Administrative Cost	\$2,000	\$1,400	\$18,000	\$5,000	\$142,000	\$25,656
28	Implementation Cost	\$22,500	\$5,600	\$32,000	\$95,000	\$280,000	\$102,445
29	Incentive Cost	\$15,000	\$0	\$30,000	\$95,000	\$80,000	\$35,445
30	Other Implementation Costs	\$7,500	\$5,600	\$2,000	\$0	\$200,000	\$67,000
31	PPT Benefits	\$24,209	n/a	\$62,409	n/a	\$736,241	\$46,664
32	PPT Costs	\$69,500	\$7,000	\$50,000	\$5,000	\$591,600	\$128,101
33	PPT Net Benefits	(\$45,291)	n/a	\$12,409	n/a	\$144,641	(\$81,437)
34	PPT Ratio	0.35	n/a	1.25	n/a	1.24	0.36

**San Diego Gas and Electric**

**Table 11**  
**Annual 2000 Summer Initiative Cost-Effectiveness Calculations**  
**Organized by Program Areas and Intervention Strategies**  
 7/21/2000

	A	J	K	L	O	P	Q	R
1	<b>RESIDENTIAL PROGRAM AREA</b>							
2	<b>INTERVENTION STRATEGY</b>	<b>Direct Mail to High Users</b>	<b>Newspaper Insert</b>	<b>Energy Efficient Pools</b>	<b>Distribute Peak Information</b>	<b>Refrigerator replacement</b>	<b>A/C replacement</b>	<b>Residential Summer Initiative Total</b>
4	Measure Life (years)	n/a	n/a	2.0	n/a	18.0	18.0	n/a
5	Hours per day	n/a	n/a	n/a	n/a	n/a	n/a	n/a
6	Installation rate	n/a	n/a	n/a	n/a	n/a	n/a	n/a
7	Diversity factor	n/a	n/a	n/a	n/a	n/a	n/a	n/a
8	Base watts	n/a	n/a	n/a	n/a	n/a	n/a	n/a
9	Enhanced watts	n/a	n/a	n/a	n/a	n/a	n/a	n/a
10		n/a	n/a		n/a			
11	Net Units	n/a	n/a	1	n/a	2,430	764	n/a
12	Gross Units	n/a	n/a	1	n/a	2,430	764	n/a
13	Net to Gross Ratio	n/a	n/a	1	n/a	1	1	n/a
14	Customer Cost	n/a	n/a	\$ 33,200	n/a	\$ 208	\$ 183	n/a
15	TOTAL BENEFIT	n/a	n/a	\$ 114,482	n/a	\$ 297	\$ 408	n/a
16	avoided ENERGY (kWh) per Unit	n/a	n/a	\$ 114,482	n/a	\$ 297	\$ 408	n/a
17	avoided THERM (Mcf) per Unit	n/a	n/a	\$ -	n/a	\$ -	\$ -	n/a
18	INCENTIVE \$ per Unit	n/a	n/a	\$ 4	n/a	\$ 221	\$ 240	n/a
19	KW SAVINGS per Unit	n/a	n/a	1,500.0	n/a	0.030	0.7	n/a
20	kWh SAVINGS per Unit	n/a	n/a	1,299,400	n/a	500	687	n/a
21	Therm SAVINGS per Unit	n/a	n/a	n/a	n/a	n/a	n/a	n/a
25	Participants' Cost (net)	n/a	n/a	\$33,200	n/a	\$505,440	\$139,812	\$1,053,497
26	PROGRAM BUDGET	\$445,041	\$100,000	\$55,000	\$50,000	\$609,930	\$210,100	\$2,261,672
27	Administrative Cost	\$89,041	\$20,000	\$51,500	\$10,000	\$72,900	\$26,740	\$476,237
28	Implementation Cost	\$356,000	\$80,000	\$3,500	\$40,000	\$537,030	\$183,360	\$1,785,435
29	Incentive Cost	\$0	\$0	\$3,500	\$0	\$537,030	\$183,360	\$979,335
30	Other Implementation Costs	\$356,000	\$80,000	\$0	\$40,000	\$0	\$0	\$806,100
31	PPT Benefits	n/a	n/a	\$114,482	n/a	\$720,915	\$311,428	\$2,016,347
32	PPT Costs	\$445,041	\$100,000	\$84,700	\$50,000	\$578,340	\$166,552	\$2,335,834
33	PPT Net Benefits	n/a	n/a	\$29,782	n/a	\$142,575	\$144,876	\$347,554
34	PPT Ratio	n/a	n/a	1.35	n/a	1.25	1.87	0.86



**Table 12**  
**Annual 2000 Summer Initiative Cost-Effectiveness Calculations**  
**Organized by Program Areas and Intervention Strategies**  
 7/21/2000

	A	T	U	V	W
1	<b>NONRESIDENTIAL PROGRAM AREA</b>				
2	<b>INTERVENTION STRATEGY</b>	<b>LED Traffic Signals</b>	<b>High Efficiency Lighting</b>	<b>Tenant Improvement (Summer Initiative)</b>	<b>Nonresidential Summer Initiative Total</b>
4	Measure Life (years)	8.0	15.0	15.0	n/a
5	Hours per day	n/a	n/a	n/a	n/a
6	Installation rate	n/a	n/a	n/a	n/a
7	Diversity factor	n/a	n/a	n/a	n/a
8	Base watts	n/a	n/a	n/a	n/a
9	Enhanced watts	n/a	n/a	n/a	n/a
10					
11	Net Units	1	49,667	1	n/a
12	Gross Units	1	49,667	1	n/a
13	Net to Gross Ratio	1	1	1	n/a
14	Customer Cost	\$ 321,600	\$ 59	292,929	n/a
15	TOTAL BENEFIT	\$ 1,450,915	\$ 88	1,171,716	n/a
16	avoided ENERGY (kWh) per Unit	\$ 1,450,915	\$ 88	1,171,716	n/a
17	avoided THERM (Mcf) per Unit	\$ -	\$ -	-	n/a
18	INCENTIVE \$ per Unit	\$ 680,000	\$ 50	150,000	n/a
19	KW SAVINGS per Unit	525	0.065	780	n/a
20	kWh SAVINGS per Unit	4,600,000	169	2,250,000	n/a
21	Therm SAVINGS per Unit	n/a	n/a	n/a	n/a
25	Participants' Cost (net)	\$321,600	\$2,930,333	292,929	\$3,544,862
26	PROGRAM BUDGET	\$850,000	\$2,499,667	200,000	\$3,549,667
27	Administrative Cost	\$170,000	\$16,667	50,000	\$236,667
28	Implementation Cost	\$680,000	\$2,483,000	150,000	\$3,313,000
29	Incentive Cost	\$680,000	\$2,483,000	150,000	\$3,313,000
30	Other Implementation Costs	\$0	\$0	-	\$0
31	PPT Benefits	\$1,450,915	\$4,371,109	1,171,716	\$6,993,740
32	PPT Costs	\$491,600	\$2,947,000	\$342,929	\$3,781,529
33	PPT Net Benefits	\$959,315	\$1,424,109	828,787	\$3,212,211
34	PPT Ratio	2.95	1.48	3.42	1.85

San Diego Gas and Electric

**Table 13**  
**Annual 2000 Summer Initiative Cost-Effectiveness Calculations**  
**Organized by Program Areas and Intervention Strategies**  
 7/21/2000

	A	Z	AA	AD	AE	AG	AH
1	<b>NEW CONSTRUCTION PROGRAM AREA</b>						
2	<b>INTERVENTION STRATEGY</b>	<b>Savings By Design (Summer Initiative)</b>	<b>Industrial &amp; Agricultural New Construction (Summer Initiative)</b>	<b>New Construction Summer Initiative Total</b>		<b>TOTAL SUMMER INITIATIVE PORTFOLIO</b>	<b>TOTAL PY2000 PORTFOLIO</b>
4	Measure Life (years)	15.0	15.0	n/a		n/a	n/a
5	Hours per day	n/a	n/a	n/a		n/a	n/a
6	Installation rate	n/a	n/a	n/a		n/a	n/a
7	Diversity factor	n/a	n/a	n/a		n/a	n/a
8	Base watts	n/a	n/a	n/a		n/a	n/a
9	Enhanced watts	n/a	n/a	n/a		n/a	n/a
10						n/a	n/a
11	Net Units	1	1			n/a	n/a
12	Gross Units	1	1	n/a		n/a	n/a
13	Net to Gross Ratio	1	1	n/a		n/a	n/a
14	Customer Cost	611,896	208,305	n/a		n/a	n/a
15	<b>TOTAL BENEFIT</b>	<b>2,447,585</b>	<b>833,220</b>	<b>n/a</b>		<b>n/a</b>	<b>n/a</b>
16	avoided ENERGY (kWh) per Unit	2,447,585	833,220	n/a		n/a	n/a
17	avoided THERM (Mcf) per Unit	-	-	n/a		n/a	n/a
18	INCENTIVE \$ per Unit	450,000	75,000	n/a		n/a	n/a
19	KW SAVINGS per Unit	1,200	550	n/a		n/a	n/a
20	kWh SAVINGS per Unit	4,700,000	1,600,000	n/a		n/a	n/a
21	Therm SAVINGS per Unit	n/a	n/a	n/a		n/a	n/a
25	Participants' Cost (net)	611,896	208,305	\$820,201		\$5,418,561	\$34,068,939
26	<b>PROGRAM BUDGET</b>	<b>800,000</b>	<b>100,000</b>	<b>\$900,000</b>		<b>\$6,711,339</b>	<b>\$41,161,172</b>
27	Administrative Cost	350,000	25,000	\$375,000		\$1,087,904	\$7,977,871
28	Implementation Cost	450,000	75,000	\$525,000		\$5,623,435	\$33,183,302
29	Incentive Cost	450,000	75,000	\$525,000		n/a	n/a
30	Other Implementation Costs	-	-	\$0		n/a	n/a
31	PPT Benefits	2,447,585	833,220	\$3,280,805		\$12,290,892	\$82,998,517
32	PPT Costs	\$961,896	\$233,305	\$1,195,201		\$7,312,564	\$55,341,231
33	PPT Net Benefits	1,485,689	599,915	\$2,085,604		\$4,978,328	\$27,657,287
34	PPT Ratio	2.54	3.57	2.74		1.68	1.50