

**LOW INCOME
ENERGY EFFICIENCY PROGRAMS
ANNUAL SUMMARY AND
TECHNICAL APPENDIX**

2005 Results
May 2006




A  Sempra Energy utility™

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Executive Summary

Overview

This report provides information on the accomplishments and costs of Southern California Gas Company's (SoCalGas) 2005 Low Income Energy Efficiency¹ (LIEE) program.

The LIEE program provides income-qualified residential customers with no-cost energy efficiency weatherization services and energy education. Energy Education is provided to customers either inside their home prior to weatherization or at in-group energy education workshops. In 2005, SoCalGas continued conducting natural gas appliance testing (NGAT) testing on all homes that were weatherized. The Low Income Energy Efficiency Training staff (LIEE training staff), in 2006, plans to continue offering NGAT testing as a course for the weatherization contractors. The LIEE training staff will also continue conducting on-site audits of each program contractor. As part of the audit process, SoCalGas randomly selects customer enrollments and income documentation to review for accuracy of information and to validate that participating customers meet the program's eligibility requirements. SoCalGas plans to continue its post inspection practice on a sampling of completed weatherization jobs and on 100% of those jobs involving either ceiling insulation work or the repair or replacement of a gas appliance.

Program Results

The program year (PY) 2005 LIEE program portfolio design and funding was approved by the Commission in Decision (D.) 05-04-052 on April 21, 2005 and as modified by D.05-05-019 on May 13, 2005. Additionally, D.05-10-044 issued October 27, 2005 adopted winter initiatives applicable to the LIEE program beginning on November 1, 2005 through April 30, 2006 (Winter Initiatives) to help mitigate the expected increase in gas winter bills by providing LIEE services to customers. To this end, the Commission adopted certain provisions applicable to SoCalGas' LIEE program during this winter period, including increasing income eligibility for all program participants to 200% of federal poverty guidelines (FPG), allowing for targeted self-certification, and expanding outreach efforts to encourage participation in the LIEE program.

During PY2005, the LIEE program treated/weatherized a total of 40,523 homes, provided in-home energy education to 40,322 customers, repaired 4,987 furnaces, replaced 2,025 furnaces, repaired 992 water heaters, and replaced 7 water heaters. In addition, 18,826 customers received energy education through 936 community workshops. The LIEE training staff offered 16 initial training classes to 190 students and 29 refresher classes to 341 students during PY2005.

SoCalGas' total authorized budget for PY2005 was \$33,324,875, exclusive of any unspent funds carried over from 2004. LIEE program expenditures during 2005 totaled \$28,834,254. Unspent 2005 LIEE program funds in the amount of \$6,643,265 will carryover into the 2006 program.

¹ The LIEE program is also known as the Direct Assistance Program (DAP).

Low Income Energy Efficiency Programs

Program Summary

SoCalGas' LIEE program provides income qualifying residential customers with no-cost energy efficiency and conservation services including home weatherization and energy education.

Weatherization measures and energy education are provided to both renters and homeowners and include the installation of ceiling insulation, weather stripping, caulking, low-flow showerheads, water heater blankets, switch and outlet gaskets, faucet aerators, evaporative cooler vent covers, pipe insulation, and building envelope (minor home) repair. Furnace and/or water heater repair or replacement services are provided to qualified homeowners with furnaces and water heaters that do not pass NGAT thresholds. In-home energy education is provided to customers prior to their homes being weatherized. Additionally, low income customers in the community are provided energy education through community workshops.

Starting in May of 2004, SoCalGas implemented the requirement that LIEE contractors receive approval from SoCalGas prior to replacing furnaces. As a result of this pre-inspection process, SoCalGas was able to save approximately \$3.3 million in PY2004 and approximately \$3.0 million in PY2005.

SoCalGas continued with the LIEE customer satisfaction survey in PY2005 where a sampling of customers was surveyed on a monthly basis. SoCalGas focused on the quality of service provided for each stage of the program (i.e., outreach, installation, and inspections). SoCalGas also obtained information on customers' understanding of the program, level of ease in completing the paperwork, and overall satisfaction with the program.

PY2005 Low Income Programs

Low Income Energy Efficiency Program

During PY2005, SoCalGas treated/weatherized 40,523 homes, provided in-home energy education to 40,322 customers, repaired 4,987 furnaces, replaced 2,025 furnaces, repaired 992 water heaters and replaced 7 water heaters. In addition, 18,826 customers received energy education through 936 community workshops.

As reported in Table 2.1 and Table TA 3.1, SoCalGas spent a total of \$28,834,254 on the LIEE program. Annual energy savings realized from these expenditures totaled 911 mTherms. Therm savings resulting from the installation of "Big Six" measures totaled 603 mTherms. The total resource cost ratio of the program is 0.24, the utility cost ratio is 0.20, and the modified participant ratio is 0.54.

2005/2006 Emergency Winter Initiative

On October 6, 2005, the Commission held a Full-Panel Hearing to receive information and to solicit proposals to help mitigate the anticipated high costs of natural gas on low income customer's bills during the winter of 2005/2006. On October 18 and 19, 2005, the California

investor owned utilities² (IOUs) and interested parties in Rulemaking (R.) 04-01-006 provided proposals to the Commission for consideration and approval. On October 20, 2005, the Commission held a workshop on those proposals which were discussed in detail.

In D.05-10-044, the Commission directed the IOUs to implement the 2005/2006 Emergency Winter Initiative applicable to low income customers beginning on November 1, 2005 through April 30, 2006. D.05-10-044 provided certain provisions for the 2005/2006 winter season for qualifying low income customers under the LIEE program. Specifically, the following provisions were adopted by the Commission and are applicable to SoCalGas' LIEE program:

- Income eligibility was increased from 175% to 200% of the FPG for all program participants.³
- Simplification of the enrollment process by utilizing targeted census data to identify potential LIEE participants that would be able to self-certify their eligibility for the LIEE program.
- Replacement of natural gas furnaces with an Annual Fuel Utilization Efficiency (AFUE) rating of 65 or lower with models that have an AFUE rating of 80 or 92, depending on the climate zone. During the winter months, replacement of the forced air furnaces was also applicable to renters, where feasible.
- Replacement of leaky or broken water heaters as a measure during the winter months.
- Expand Outreach efforts during the winter to encourage participation in the LIEE program.

The 2005/2006 Winter Initiative has created greater opportunities for low income customers to receive weatherization services, energy efficient appliances, and energy conservation education. By increasing the income eligibility up to 200% of the FPG, the estimated number of eligible SoCalGas LIEE customers increased to 1,769,411 for PY2005. To simplify the LIEE program enrollment process, SoCalGas utilized the updated 2000 census tract data in identifying low income customers in specific areas of its service territory and allowing those customers to enroll in the LIEE program by self certifying their income.

PY2006 and PY2007 Low Income Energy Efficiency Program Plans

In compliance with Commission D.05-04-052⁴, SoCalGas filed Application (A.) 05-06-012 on June 1, 2005 to request approval of its portfolio of low income energy efficiency programs and funding for PY2006 and PY2007. D.05-04-052, as amended, approved SoCalGas' request to establish a two-year planning cycle for the LIEE program, commencing in PY2006 and ordered SoCalGas to file an application for PY2006 and PY2007 specifying separate budgets and program goals for each year.

² Pacific Gas and Electric Company, Southern California Edison Company, San Diego Gas and Electric Company, and SoCalGas.

³ Per D.05-10-044, the income eligibility levels set at 200% for the CARE and LIEE programs.

⁴ D.05-04-052 issued on April 21, 2005 was amended by D.05-05-019 on May 13, 2005. D.05-05-019 corrected computational errors appearing in certain Tables of D.05-04-052.

On December 15, 2005, the Commission issued D.05-12-026 which approved SoCalGas' budget and program goals proposed for PY2006 and PY2007. D.05-12-026 approved new measures (central air conditioner replacement and duct testing and sealing) for inclusion in the LIEE program measure mix offered to customers beginning on January 1, 2006.

In 2006 and 2007, SoCalGas plans to continue providing LIEE services to as many qualified customers as possible, in compliance with the provisions set forth in D.05-10-044 and D.05-12-026.

As adopted in D.05-12-026, SoCalGas' program goals for PY2006 and PY2007 include providing in-home energy education to 40,000 homes, treating/weatherizing 40,000 homes, and repairing and replacing 9,600 natural gas appliances in PY2006 and 8,600 appliances in PY2007.

In an effort, however, to avoid a sudden decrease in program activity after the 2005/2006 winter season, the Commission in D.05-12-026 directed the utilities to file augmented 2006 budget applications no later than April 14, 2006, to enable the utilities to treat at least 5 to 10% more homes than originally anticipated when their applications were filed in June 2005⁵. Therefore, SoCalGas modified the projected number of homes it originally planned to treat by increasing the total number to 44,000 homes or 48,000 homes (increase of 10% or 20% respectively) for PY2006 by utilizing self certification through April 2006 (representing 44,000 homes) or through December 2006 (representing 48,000 homes). On March 30, 2006, SoCalGas submitted a Motion for authorization to continue enrolling customers in the LIEE program through the targeted self-certification enrollment process, as authorized in D.05-10-044, as part of SoCalGas' winter initiatives.⁶ In its April 14, 2006 filing, SoCalGas requested an extension of the targeted self-certification provision for LIEE customers through year-end 2006 and revised its 2006 LIEE program plans to the Commission reflecting the new projected number of homes to be treated. PY2006 authorized funds plus carryover PY2005 monies will be used to fund these activities. Therefore, no additional monies were requested for SoCalGas' 2006 LIEE program.

SoCalGas will file 2007 and 2008 low income funding applications no later than July 1, 2006 as directed by Ordering Paragraph 12 of D.05-12-026. SoCalGas will continue to provide services consistent with D.05-10-044 and D.05-12-026 until such time a decision is rendered on SoCalGas' PY2007/2008 applications.

For planning purposes, SoCalGas will be using the 2001 LIEE load impact evaluation as the most recent analysis available to calculate the measure savings for the PY2006 LIEE program as directed in D.05-12-026.

⁵ Application 05-06-012.

⁶ Motion requested approval to extend targeted self-certification past April 30, 2006, and until the Commission issues a decision on the utility's April 14, 2006 filing.

Regulatory Compliance and Oversight, Measurement and Evaluation (M&E) Activities

Regulatory Compliance and Oversight

SoCalGas complied with Public Utilities Code (PU Code) Sections 327 and 381.5. Section 327 (1) directs that utility program funds are to be leveraged with state and federal funds while 381.5 states the intent of the Legislature is to strengthen the network of local community service providers. Over half of the local CBOs participating in SoCalGas' program were able to leverage their LIEE program funding with funding they received under the State of California Department of Community Services and Development (CSD)'s Low Income Home Energy Assistance Program (LIHEAP) weatherization program. Local CBOs and other community organizations also provided LIEE program energy education to customers in conjunction with their other community services offerings.

Section 2790 of the PU Code mandates that the LIEE program provide as many program energy efficiency measures as feasible to eligible customers served in the program. Consistent with the CPUC code and Commission statewide policy, SoCalGas' program installed all feasible LIEE program measures in all the homes served by LIEE during PY2005. Additionally, SoCalGas continued to revisit customers who received LIEE weatherization services prior to 2001, to provide the new program measures authorized by the Commission in D.01-05-033.

During PY2005, SoCalGas also worked regularly with the other California IOUs and the Energy Division on several Commission-directed activities. In the low income R. 04-01-006, the Commission directed the utilities to develop standardized statewide measure installation, policy and procedures standardization manuals, update program reporting requirements, develop updated cost-effectiveness tests for LIEE programs, provide comparable bill savings documentation, and recommend methods of comparing programs (including program costs and benefits) across the utilities. In response to the Commission's direction, several inter-utility teams, with guidance from the Energy Division and input from the Division of Ratepayer Advocates and the interested public, achieved the following results during PY2005:

- Pacific Gas and Electric Company, Southern California Edison Company, San Diego Gas and Electric Company, and SoCalGas filed the "Joint Utility Low Income Energy Efficiency 2005 Costs and Bill Savings Standardization Report" by May 1, 2006, as directed in R.04-01-006. The report calculates, compares and explains differences in the annual bill savings achieved by each utility for 2003, 2004, and 2005. In compliance with Ordering Paragraph 4 of D.01-12-020, the Joint Utility Report is incorporated by reference in this Annual Report. Monthly bill savings are reported by the utilities in their Monthly Rapid Deployment Reports.
- On October 22, 2004, the Commission issued a Ruling which approved the Joint Utility LIEE program Standardization Team (Team) Phase 5 work plan, schedule, and budget filed on October 15, 2004. The Phase 5 work plan, schedule, and budget includes specific tasks for the LIEE Policy and Procedures (P&P) Manual, the Weatherization Installation Standards (WIS) Manual, and an assessment of new measures for inclusion in the 2006 LIEE program.

Specific tasks adopted in the Phase 5 work plan and schedule included submittal of recommended changes to the P&P and WIS Manuals which the Team filed on January

18, 2005.⁷ On March 14, 2005, parties filed comments to the Team's proposed revisions of the P&P and WIS manuals. Subsequently, on March 25, 2005 the Assigned Commissioner issued a Ruling which directed the Team to withdraw its January 18, 2005 filing, to solicit public input on the proposed changes, follow the new process for consideration of recommendations,⁸ and to resubmit its recommendations pending public input.

On June 7, 2005, the Assigned Commissioner issued a Ruling which adopted the amendments to the Phase 5 work plan, schedule, and budget to include the provisions set forth in the Ruling issued on March 25, 2005. During 2005, the Team developed recommendations for changes to the P&P and WIS manuals through an open process to solicit public input. On November 1, 2005, the proposed changes to the P&P and WIS manuals were filed with the Commission for approval.

- In compliance with D.03-11-020, the Team released a solicitation on December 17, 2004 requesting proposals for energy efficiency measures that could be considered for inclusion in the 2006 LIEE program. Four respondents submitted proposals for the new measure assessment. The new measures included: high efficiency central air conditioners, air conditioner maintenance/tune-up (A/C maintenance), purchasing compact fluorescent lamps in bulk, and duct testing and sealing. During the first quarter of 2005, the proposed new measures were evaluated by using a two-step process: first step entailed a prescreening and second step involved a formal cost effectiveness analysis.

On May 2, 2005, the Team filed the "Report on the Assessment of Proposed New Program Year 2006 LIEE Program Measures" (the Report) recommending Commission approval of high efficiency central air conditioners, A/C maintenance, and duct testing and sealing as new measures for inclusion in the 2006 LIEE program. On September 7, 2005, the Team filed an amendment to the Report requesting to remove A/C maintenance as a proposed measure in the utilities 2006 LIEE program.

In D.05-12-026, the Commission approved the new measures (high efficiency central air conditioners and duct testing and sealing) for inclusion in the 2006 LIEE program effective January 1, 2006.

- Pacific Gas and Electric Company, Southern California Edison Company, San Diego Gas and Electric Company, and SoCalGas filed the "Joint Utility Low Income Energy Efficiency Contractor Cost Template" on August 19, 2005, as directed by Ordering Paragraph 18 of D.05-04-052.
- SoCalGas convened a meeting on November 9, 2005, with the Association of California Community and Energy Services (ACCES), interested parties in R.04-01-006, and the other IOUs to discuss a common LIEE educational strategy as directed by Ordering Paragraph 14 of D.05-10-044. Minutes of the November 9, 2005 meeting and the

⁷ Commission granted the Standardization Team a one-month extension of time to file the proposed revisions to the P&P and WIS manuals due on December 15, 2004.

⁸ ACR issued March 25, 2005, at page 4, directs the Team to include the five requirements in consideration of recommendations.

recommendations of the meeting participants regarding low income energy education were filed with the Commission on December 5, 2005.

Measurement and Evaluation (M&E) Activities

- In D.03-11-020, the Commission adopted a new LIEE program standard measure mix effective January 1, 2004 which continued to be the measure mix during PY2005.
- In accordance with D.01-06-082, the utilities filed a Notice of Availability of the Process Evaluation and First Year Impact Evaluation of the 2001 Statewide Low Income Energy Efficiency Program.⁹ In D.05-12-026, the Commission stated that “we will not formally adopt or approve the results of the 2001 load impact report as the utilities request in this proceeding. Instead, we permit the utilities to rely on the study results on a case-by-case basis, as we do today, until we can address and resolve Low Income Energy Efficiency-related issues in the 2006 Annual Earnings Assessment Proceeding.” To determine the energy savings for PY2005, SoCalGas has utilized the 2001 LIEE program load impact study to calculate its measure savings.
- On July 6, 2005, the Notice of Availability was filed with the Commission by Southern California Edison Company (SCE) on behalf of SCE, PG&E, SDG&E, and SoCalGas of the Statewide First Year Load Impact Study of the PY2002 LIEE Programs (the Study). The Study was completed by West Hills Energy and Computing and it reflects estimates of annual energy savings from measures installed through the LIEE program.
- The next LIEE program load impact evaluation is scheduled to occur in 2006 for the PY2004 program, which is consistent with the bi-annual schedule authorized by D.02-12-019. The Commission, however, granted the utilities request to conduct the next impact evaluation on the 2005 LIEE program, rather than on the 2004 LIEE program.¹⁰ In an effort to enhance the quality of subsequent impact evaluations, PY2005 was the first year in which the collection of additional measure data and improved sampling techniques became available.

Bill Savings

Table TA 3.7 reports lifecycle bill savings by measure, by fuel type, and combined for PY2005; Table TA 3.8 reports the energy rates used for calculating the bill savings; and Table TA 3.9 reports the bill savings and the cost ratio for SoCalGas’ LIEE programs over the last three years.

Other Program-Related Survey

During PY2005, SoCalGas surveyed approximately 1,200 customers to assess their satisfaction with the LIEE program. The purpose of this survey was to evaluate customer satisfaction relating to the various aspects of their experience with LIEE. Additionally, the survey was

⁹ On April 18, 2003, the Notice of Availability was filed with the Commission by Southern California Edison Company on behalf of itself, Pacific Gas and Electric Company, San Diego Gas and Electric Company, and Southern California Gas Company.

¹⁰ On February 7, 2005, Southern California Edison Company on behalf of itself, Pacific Gas and Electric Company, San Diego Gas and Electric Company, and SoCalGas filed a letter to request Commission authorization. On March 17, 2005, the Executive Director of the Commission granted the utilities’ request.

designed to provide program management with insight into the effectiveness of the program and to identify potential areas for improvement. Portions of that survey devoted questions to deliverables, customer service, and increased comfort and safety.

The findings of the survey showed that the majority of customers claim to be more comfortable as a result of the program. While approximately 84% said they are “more comfortable” as a result of the work done by LIEE, 15% said they are “about the same” and 1% said they are “less comfortable”. Overall the LIEE program received high ratings. Nearly nine out of ten (88%) are very satisfied with the LIEE program, with 65% giving the LIEE program the highest rating of “Completely Satisfied”.

Community Based Organizations (CBO) Leveraging and Access to Community Services

CBO Participation

All of the weatherization agencies/contractors are classified as either community based organizations or are Women, Minority, and Disabled Veteran Business Enterprises (WMDVBE) certified. Two thirds of the appliance contractors providing furnace and water heater services in PY2005 also hold either CBO or WMDVBE status.

Leveraging

Over half of SoCalGas’ LIEE participating program contractors are also Low Income Home Energy Assistance Program (LIHEAP) providers. This affords the opportunity to leverage the services offered by both programs to our customers. The LIHEAP, and other LIEE contractors, are committed to supporting the rapid deployment strategy and providing comprehensive services to each low income household.

Access to Other Low Income Services

LIEE eligible customer information is provided to the CARE staff for automatic enrollment and possible certification and post-enrollment verification. In addition to the weatherization services offered by many participating agencies, other programs and services (from other funding sources) offered to customers include: the Home Energy Assistance Program (HEAP), Consumer Credit Counseling, Housing Programs, Food and Clothing Referrals, Job Assistance, Child Care, Transportation Services, Recycling Programs, Youth and Family Services, Senior Programs, Neighborhood Beautification, Computer Labs and Vocational Training, Homeless Centers, Legal Assistance, Head Start Programs, Handyman Programs, Drug and Domestic Violence Programs and Healthy Family Program as well as other services. When outreached in the community or when applying for specialized assistance, the low income customer is screened for all services that are needed and/or that they qualify for, including SoCalGas’ weatherization and appliance assistance.

Table 2.1
Summary of Costs: Low Income - Southern California Gas Company

	2005		2006
	Budgeted	Recorded	Revised Budget
LIEE Program			
Energy Efficiency			
- Gas Appliances	\$ 8,020,500	\$ 4,956,494	\$ 7,771,713
- Electric appliances			
- Weatherization	\$ 15,949,814	\$ 16,086,491	\$ 20,213,633
- Outreach & Assessment	\$ 4,600,000	\$ 2,915,671	\$ 5,505,920
- In Home Energy Education	\$ 600,000	\$ 206,724	\$ 480,000
- Education Workshops (EELI)	\$ 420,000	\$ 356,202	\$ 384,360
Energy Efficiency Total	\$ 29,590,314	\$ 24,521,582	\$ 34,355,626
Pilots			
- Landlord Refrigerator Rebate			
- Landlord Room A/C Rebate			
- Landlord Central AC Rebate			
- NGAT Appliances			
Total Pilots			
Training center	\$ 325,000	\$ 136,024	\$ 79,859
Inspections	\$ 1,132,919	\$ 1,528,642	\$ 2,113,120
Advertising	\$ 281,000	\$ 331,321	\$ 200,000
M&E studies	\$ 60,000	\$ 57,326	\$ 207,380
Regulatory compliance	\$ 230,000	\$ 256,431	\$ 110,758
Other administration	\$ 1,669,642	\$ 1,972,062	\$ 2,861,397
Oversight Costs			
- LIAB Start-Up			
- LIAB PY Past Year			
- LIAB PY Present Year			
- CPUC Energy Division	\$ 36,000	\$ 30,866	\$ 40,000
Total Oversight Costs	\$ 36,000	\$ 30,866	\$ 40,000
Total Costs	\$ 33,324,875	\$ 28,834,254	\$ 39,968,140

Note: The 2006 Revised Budget reflects the funding level authorized by the Commission in D.05-12-026 of \$33,324,875, plus carry over funds from PY2005 of \$6,643,265.

Table 2.2
Summary of LIEE Program Effects: DAP - Southern California Gas Company
Program Year: 2005
(Annual Energy Reductions)

	2005 (Recorded)	2006 (Revised Plan)
mWh	381	134
mTherms	911	1054

Table 2.3
Summary of LIEE Cost-Effectiveness - Southern California Gas Company
Program Year: 2005

(Benefit-Cost Ratios)

	2005 (Recorded)			2006 (Revised Plan)		
	Utility Cost Test	Total Resouce Cost Test	*Modified Participant Test	Utility Cost Test	Total Resouce Cost Test	*Modified Participant Test
DAP	0.20	0.24	0.54	0.20	0.24	0.57

Table 2.4
Summary of LIEE Cost-Effectiveness: DAP - Southern California Gas Company
Program Year: 2005
(Net Benefits; \$Mil)

	2005 (Recorded)			2006 (Revised Plan)		
	Utility Cost Test	Total Resouce Cost Test	*Modified Participant Test	Utility Cost Test	Total Resouce Cost Test	*Modified Participant Test
DAP	\$ (23,160,759)	\$ (22,005,772)	\$ (13,294,877)	\$ (26,579,171)	\$ (25,398,360)	\$ (14,393,211)

Table TA 3.1
LIEE Program Cost Estimates used for Cost-Effectiveness
Program Year: 2005
Southern California Gas

Gas

Program	Utility Costs					
	Program Incentives (Recorded)		Admin	Other	Total	IMC
	Actual	Committed				
LIEE	\$ 26,050,224	\$ -	\$ 2,784,030	\$ -	\$ 28,834,254	\$ -

Table TA 3.2
LIEE Cost Elements - Southern California Gas Company

LIEE Program	Expenditures Recorded by Cost Element - 2005			
	Labor	Non-Labor	Contract	Total
Energy Efficiency				
- Gas Appliances	\$ -	\$ -	\$ 4,956,494	\$ 4,956,494
- Electric appliances	\$ -	\$ -	\$ -	\$ -
- Weatherization	\$ -	\$ -	\$ 16,086,491	\$ 16,086,491
- Outreach & Assessment	\$ -	\$ -	\$ 2,915,671	\$ 2,915,671
- In Home Energy Education	\$ -	\$ -	\$ 206,724	\$ 206,724
- Education Workshops (EELI)	\$ -	\$ -	\$ 356,202	\$ 356,202
Energy Efficiency Total	\$ -	\$ -	\$ 24,521,582	\$ 24,521,582
Pilots				
Pilot (NGAT Appliances)	\$ -	\$ -	\$ -	\$ -
Total Pilots	\$ -	\$ -	\$ -	\$ -
Training center	\$ 129,929	\$ 6,095	\$ -	\$ 136,024
Inspections	\$ -	\$ -	\$ 1,528,642	\$ 1,528,642
Advertising	\$ -	\$ 331,321	\$ -	\$ 331,321
M&E studies	\$ -	\$ 57,326	\$ -	\$ 57,326
Regulatory compliance	\$ 165,923	\$ 90,508	\$ -	\$ 256,431
Other administration	\$ 1,741,595	\$ 230,467	\$ -	\$ 1,972,062
Oversight Costs				
- LIAB Start-Up	\$ -	\$ -	\$ -	\$ -
- LIAB PY Past Year	\$ -	\$ -	\$ -	\$ -
- LIAB PY Present Year	\$ -	\$ -	\$ -	\$ -
- CPUC Energy Division	\$ -	\$ 30,866	\$ -	\$ 30,866
Total Oversight Costs	\$ -	\$ 30,866	\$ -	\$ 30,866
Total Costs	\$ 2,037,447	\$ 746,583	\$ 26,050,224	\$ 28,834,254

Table TA 3.3
Program Detail By Housing Type and Heating source
Southern California Gas Company

	Energy Saved and Program Costs			Number of Dwellings		
	2005 (mWh)	2005 (mTherm)	2005 Expenses	2005 (Planned)	2005 (Actual)	2006 (Revised Plan)
Gas Heat - Own						
- Single Family	150	359	\$ 12,524,309	14,154	15,983	18,932
- Multi Family	2	6	\$ 147,786	712	257	304
- Mobile Home	27	64	\$ 1,170,319	1,936	2,850	3,376
Sub Total Dwellings Served	179	429	\$ 13,842,415	16,802	19,090	22,612
Gas Heat - Rent						
- Single Family	90	216	\$ 7,517,074	4,952	9,608	11,382
- Multi Family	110	262	\$ 7,056,617	18,113	11,660	13,811
- Mobile Home	2	4	\$ 61,946	133	165	195
Sub Total Dwellings Served	202	482	\$ 14,635,637	23,198	21,433	25,388
Electric Heat - Own						
- Single Family						
- Multi Family						
- Mobile Home						
Sub Total Dwellings Served						
Electric Heat - Rent						
- Single Family						
- Multi Family						
- Mobile Home						
Sub Total Dwellings Served						
Total Dwellings Served	381	911	\$ 28,478,052	40,000	40,523	48,000

Table TA 3.4
Program Detail by Measure - Southern California Gas Company

	Energy Saved and Program Costs			Number of Dwellings Served
	2005			2005
	mWh	mTherm	Expenses	Actual Dwellings Served
Furnaces				
- Repair - Gas	0.0	110.8	\$ 1,634,460	4,987
- Replacement - Gas	0.0	66.6	\$ 3,187,495	2,025
Infiltration & Space Conditioning				
- Cover Plates/Gaskets	0.0	0.0	\$ 244,527	33,531
- Evaporative Cooler/Air Cond. Covers - SF	0.0	2.9	\$ 82,317	1,496
- Evaporative Cooler/Air Cond. Covers - MF	0.0	1.0	\$ 73,526	2,368
Weatherization				
- Attic Insulation - SF	0.0	33.7	\$ 903,816	1,399
- Attic Insulation - MF	0.0	3.9	\$ 103,208	224
- Water Heater Blanket - SF	0.0	39.2	\$ 141,938	3,522
- Water Heater Blanket - MF	0.0	5.0	\$ 21,938	540
- Low Flow Showerhead -SF	0.0	210.6	\$ 542,968	26,009
- Low Flow Showerhead -MF	0.0	81.3	\$ 175,007	11,285
- Door Weatherstripping - SF	0.0	66.4	\$ 3,380,582	26,859
- Door Weatherstripping - MF	0.0	12.7	\$ 973,226	11,653
- Caulking - SF	0.0	2.3	\$ 9,876	1,157
- Caulking - MF	0.0	0.5	\$ 7,589	663
- Minor Home Repairs - SF	0.0	127.3	\$ 5,547,584	25,798
- Minor Home Repairs - MF	0.0	19.8	\$ 1,722,650	11,068
Water Heater Savings				
- Water Heater Pipe Wrap - SF	0.0	2.1	\$ 6,532	466
- Water Heater Pipe Wrap - MF	0.0	0.2	\$ 2,750	59
- Faucet Aerators - SF	0.0	94.9	\$ 287,807	27,166
- Faucet Aerators - MF	0.0	30.1	\$ 113,130	11,577
Miscellaneous Measures				
Miscellaneous Measures(Weatherization -- Electric)	380.9	0.0	\$ -	40,523
- Duct Sealing and Repair - SF	0.0	0.0	\$ -	0
- Duct Sealing and Repair - MF	0.0	0.0	\$ -	0
- Water Heater Repair - Gas - SF	0.0	0.0	\$ 130,122	991
- Water Heater Repair - Gas - MF	0.0	0.0	\$ 135	1
- Water Heater Replacement - Gas - SF	0.0	0.1	\$ 4,282	7
- Water Heater Replacement - Gas - MF	0.0	0.0	\$ -	0
Energy Education				
- Outreach & Assessment	0.0	0.0	\$ 2,915,671	40,523
- In-Home Education	0.0	0.0	\$ 206,724	40,322
- Education Workshops (EELI)	0.0	0.0	\$ 356,202	18,826

Table TA 3.5
Program Installation
Program Year: 2005
Southern California Gas Company

	Unit of Measure	CBO/WMDVBE			Non-CBO/WMDVBE			Total				
		Units Installed	Dwellings	Costs	Units Installed	Dwellings	Costs	Units Installed	Dwellings	Costs	Cost/ Unit	Cost/ Dwelling
Weatherization Dwellings	Each	2,697,879	40,523	\$ 23,524,988	369	369	\$ 640,392	2,698,248	40,523	\$ 24,165,380	\$ 9	\$ 596
Furnaces												
Repair - Gas	Each	4,640	4,640	\$ 1,379,010	347	347	\$ 255,450	4,987	4,987	\$ 1,634,460	\$ 328	\$ 328
Replacement - Gas	Each	2,003	2,003	\$ 2,802,553	22	22	\$ 384,942	2,025	2,025	\$ 3,187,495	\$ 1,574	\$ 1,574
Infiltration & Space Conditioning												
- Ceiling Insulation	Sq. Ft.	1,618,262	1,623	\$ 1,007,024	0	0	\$ -	1,618,262	1,623	\$ 1,007,024	\$ 1	\$ 620
- Caulking	Linear Ft.	51,000	1,820	\$ 17,465	0	0	\$ -	51,000	1,820	\$ 17,465	\$ 0	\$ 10
- Weather Stripping	Each	124,943	38,512	\$ 3,700,527	0	0	\$ -	124,943	38,512	\$ 3,700,527	\$ 30	\$ 96
- Cover Plates/Gaskets	Each	87,766	33,531	\$ 244,527	0	0	\$ -	87,766	33,531	\$ 244,527	\$ 3	\$ 7
- Evaporative Cooler/Air Cond. Covers	Each	5,244	3,864	\$ 155,844	0	0	\$ -	5,244	3,864	\$ 155,844	\$ 30	\$ 40
- Duct Sealing and Repair	Each	0	0	\$ -	0	0	\$ -	0	0	\$ -	\$ -	\$ -
- Attic Ventilation	Home	2,698	1,145	\$ 97,617	0	0	\$ -	2,698	1,145	\$ 97,617	\$ 36	\$ 85
- Auto Sweep	Each	0	0	\$ -	0	0	\$ -	0	0	\$ -	\$ -	\$ -
- Door Replacement	Each	21,622	16,588	\$ 2,324,521	0	0	\$ -	21,622	16,588	\$ 2,324,521	\$ 108	\$ 140
- Door Threshold	Each	42,108	27,782	\$ 653,281	0	0	\$ -	42,108	27,782	\$ 653,281	\$ 16	\$ 24
- Glass Replacement	Sq. Ft.	54,008	6,801	\$ 590,489	0	0	\$ -	54,008	6,801	\$ 590,489	\$ 11	\$ 87
- Jamb Replacement	Each	3,441	409	\$ 16,642	0	0	\$ -	3,441	409	\$ 16,642	\$ 5	\$ 41
Water Heating Savings												
- Water Heater Blanket	Each	4,080	4,062	\$ 163,876	0	0	\$ -	4,080	4,062	\$ 163,876	\$ 40	\$ 40
- Low Flow Showerhead	Each	47,190	37,294	\$ 717,975	0	0	\$ -	47,190	37,294	\$ 717,975	\$ 15	\$ 19
- Water Heater Pipe Wrap	Home	648	525	\$ 9,282	0	0	\$ -	648	525	\$ 9,282	\$ 14	\$ 18
- Faucet Aerators	Each	76,151	38,743	\$ 400,937	0	0	\$ -	76,151	38,743	\$ 400,937	\$ 5	\$ 10
- Water Heater Repair	Each	992	992	\$ 130,257	0	0	\$ -	992	992	\$ 130,257	\$ 131	\$ 131
- Water Heater Replacement	Each	7	7	\$ 4,282	0	0	\$ -	7	7	\$ 4,282	\$ 612	\$ 612
Minor Home Repairs (other than above)	Home	547,317	36,866	\$ 4,192,935	0	0	\$ -	547,317	36,866	\$ 4,192,935	\$ 8	\$ 114
Miscellaneous Measures	Home	3,759	3,403	\$ 48,030	0	0	\$ -	3,759	3,403	\$ 48,030	\$ 13	\$ 14
Evaporative Coolers	Each	0	0	\$ -	0	0	\$ -	0	0	\$ -	\$ -	\$ -
Refrigerators	Each	0	0	\$ -	0	0	\$ -	0	0	\$ -	\$ -	\$ -
Compact Fluorescents (inc. porchlights)	Each	0	0	\$ -	0	0	\$ -	0	0	\$ -	\$ -	\$ -
Porchlights (fixture replacement)	Each	0	0	\$ -	0	0	\$ -	0	0	\$ -	\$ -	\$ -
Outreach /Education /Administration	Home	40,523	40,523	\$ 4,867,914	0	0	\$ -	40,523	40,523	\$ 4,867,914	\$ 120	\$ 120

**TABLE TA 3.6
PERCENTAGE OF DWELLINGS SERVED BY CONTRACTOR CLASSIFICATION
2005**

Southern California Gas Company

Program	Contractor Classification	Vendor	% Dwellings Served	WMDVBE Certified (Yes or No)	
LIEE* (Weatherization)	CBO Participants	Contractor D	6%	No	
		Contractor J	23%	Yes	
		Contractor P	3%	No	
		Contractor Q	4%	No	
		Contractor R	3%	No	
		Contractor S	3%	No	
		Contractor V	2%	Yes	
		Contractor W	0%	No	
		Contractor X	21%	Yes	
		Contractor Z	2%	No	
		Contractor AA	3%	No	
		Contractor BB	1%	No	
		Contractor CC	1%	No	
		Contractor DD	6%	No	
		Subtotal	77%		
		Non-CBO Participants	Contractor K	1%	Yes
			Contractor U	22%	Yes
			Subtotal	23%	
		Furnace Work	CBO Participants	Contractor D	3%
	Contractor J			26%	Yes
Contractor P	4%			No	
Contractor Q	2%			No	
Contractor R	5%			No	
Contractor S	2%			No	
Contractor T	0%			Yes	
Contractor V	0%			Yes	
Contractor W	0%			No	
Contractor X	35%			Yes	
Contractor AA	3%			No	
Contractor DD	2%			No	
Subtotal	82%				
Non-CBO Participants	Contractor A			0%	Yes
	Contractor B			0%	Yes
	Contractor C			1%	No
	Contractor E			0%	No
	Contractor F			4%	No
	Contractor H			0%	No
	Contractor K		0%	Yes	
	Contractor L	0%	No		
	Contractor N	0%	No		
	Contractor U	12%	Yes		
	Contractor Y	0%	No		
Subtotal	18%				
Water Heater Replacement	CBO Participants	Contractor J	0%	Yes	
		Contractor P	0%	No	
		Contractor Q	0%	No	
		Contractor R	43%	No	
		Contractor S	57%	No	
		Contractor V	0%	Yes	
	Subtotal	100%			
Non-CBO Participants	Contractor U	0%	Yes		
Subtotal	0%				
Education	CBO Participants	Subtotal	0%		
		Non-CBO Participants	Subtotal	0%	

TABLE TA 3.7
LIFE CYCLE BILL SAVINGS
Southern California Gas Company
2005

Measure Description	Number Installed		Per Measure Electric Impact (kWh)	Per Measure Gas Impact (Therms)	EUL	Total Measure Life Cycle Bill Savings (\$)
	AC	Gas Heat				
Energy Efficiency Measures						
Attic Insulation MF	-	224	0.0	17.5	25	\$ 54,986
Attic Insulation SF	-	1,399	0.0	24.1	25	\$ 473,069
Caulking MF	265	663	0.9	0.8	5	\$ 2,377
Caulking MH	83	207	2.8	0.9	5	\$ 911
Caulking SF	380	950	2.4	2.3	5	\$ 9,700
Evaporative Cooler Cover MF	-	2,368	0.0	0.4	3	\$ 2,629
Evaporative Cooler Cover MH	-	341	0.0	1.1	3	\$ 1,042
Evaporative Cooler Cover SF	-	1,155	0.0	2.2	3	\$ 6,883
Faucet Aerators MF	-	11,577	0.0	2.6	5	\$ 129,855
Faucet Aerators MH	-	2,882	0.0	2.6	5	\$ 32,326
Faucet Aerators SF	-	24,284	0.0	3.6	5	\$ 377,150
Furnace Repair MF	-	44	0.0	11.0	10	\$ 3,739
Furnace Repair MH	-	284	0.0	23.6	10	\$ 51,628
Furnace Repair SF	-	4,659	0.0	22.2	10	\$ 797,364
Furnace Replacement MF	-	10	0.0	36.0	18	\$ 4,190
Furnace Replacement MH	-	107	0.0	39.0	18	\$ 48,616
Furnace Replacement SF	-	1,908	0.0	32.5	18	\$ 722,767
Low Flow Showerhead MF	-	11,285	0.0	7.2	10	\$ 625,179
Low Flow Showerhead MH	-	2,719	0.0	7.2	10	\$ 150,630
Low Flow Showerhead SF	-	23,290	0.0	8.2	10	\$ 1,469,446
Minor Home Repair MF	4,427	11,068	6.6	1.8	10	\$ 176,524
Minor Home Repair MH	501	1,253	21.6	2.4	10	\$ 32,265
Minor Home Repair SF	9,818	24,545	4.5	5.1	10	\$ 992,623
Water Heater Blanket MF	-	540	0.0	9.2	5	\$ 21,432
Water Heater Blanket MH	-	264	0.0	9.2	5	\$ 10,478
Water Heater Blanket SF	-	3,258	0.0	11.3	5	\$ 158,826
Water Heater Pipe Wrap MF	-	59	0.0	3.6	15	\$ 2,197
Water Heater Pipe Wrap MH	-	72	0.0	3.6	15	\$ 2,681
Water Heater Pipe Wrap SF	-	394	0.0	4.6	15	\$ 18,745
Water Heater Replacement MF	-	-	0.0	0.0	13	\$ -
Water Heater Replacement MH	-	1	0.0	19.0	13	\$ 178
Water Heater Replacement SF	-	6	0.0	19.0	13	\$ 1,067
Weatherstripping MF	4,661	11,653	1.0	1.1	5	\$ 57,134
Weatherstripping MH	916	2,290	2.0	1.4	5	\$ 14,349
Weatherstripping SF	9,828	24,569	2.5	2.6	5	\$ 284,208
Total Bill Savings for All Measures in Program Year						\$ 6,737,194
Total Number of Homes Served by the Program during Program Year						40,523
Life Cycle Bill Savings Per Home						\$ 166.26

TABLE TA 3.8
ENERGY RATES USED FOR BILL SAVINGS CALCULATIONS
Southern California Gas Company

Year	\$/kWh	\$/Therm
2005	0.1016	0.9490
2006	0.1983	1.8528
2007	0.2904	2.7136
2008	0.3782	3.5334
2009	0.4618	4.3141
2010	0.5413	5.0577
2011	0.6171	5.7658
2012	0.6893	6.4403
2013	0.7581	7.0826
2014	0.8235	7.6943
2015	0.8859	8.2769
2016	0.9453	8.8318
2017	1.0019	9.3602
2018	1.0557	9.8635
2019	1.1070	10.3428
2020	1.1559	10.7993
2021	1.2024	11.2340
2022	1.2467	11.6481
2023	1.2889	12.0424
2024	1.3291	12.4180
2025	1.3674	12.7756
2026	1.4039	13.1163
2027	1.4386	13.4407
2028	1.4717	13.7497
2029	1.5032	14.0439

TABLE TA 3.9
BILL SAVINGS
Southern California Gas Company

Program Year	Program Costs	Program Lifecycle Bill Savings	Program Bill Savings/ Cost Ratio	Per Home Average Lifecycle Bill Savings
2003	\$ 33,998,942	\$ 11,388,701	0.33	\$ 199
2004	\$ 32,595,808	\$ 7,730,493	0.24	\$ 141
2005	\$ 28,834,254	\$ 6,652,911	0.23	\$ 164