

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

2005 Results
May 2006



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Executive Summary

Overview

This report on San Diego Gas and Electric's portfolio of Low Income Energy Efficiency (LIEE) Programs provides information on program accomplishments and expenditures for program year (PY) 2005. SDG&E offers its low-income customers two separate programs: Low Income Energy Efficiency¹ (LIEE) program and the Energy Education for Low Income program (EELI). LIEE provides weatherization services, energy efficient lighting, energy efficient appliances, and energy education at no cost to qualified gas and electric customers. EELI offers energy education in a workshop setting and provides information to help participants learn how to reduce their energy use and gain more control over their energy bills.

Program Results

The PY2005 LIEE program portfolio design and funding was approved by the Commission in Decision (D.) 05-04-052 on April 21, 2005, and 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 natural gas winter bills by providing LIEE services to customers.

During PY2005, the LIEE program treated a total of 11,254 homes and weatherized 9,905 homes. As part of its comprehensive services to eligible LIEE participants, SDG&E installed 4,975 refrigerators, 45,946 compact florescent lamps, and repaired or replaced 1,159 natural gas furnaces. EELI provided energy education to 16,045 SDG&E customers. During November and December 2005, as part of the Winter Initiatives efforts, SDG&E increased its LIEE program enrollments by approximately 21% compared to the same timeframe in 2004 by using the targeted self certification enrollment process adopted by the Commission in D.05-10-044.

Weatherization and appliance installations resulted in first-year energy savings of 4,885 mWh and 234 mTherms. The average per home lifecycle bill savings for the program is \$788. SDG&E used the 2001 load impact evaluation to calculate measure savings for the 2005 LIEE program.

SDG&E's total authorized budget for PY2005 was \$12,276,991, exclusive of any unspent funds from 2004. LIEE and EELI program expenditures during 2005 totaled \$12,970,508. Unspent 2005 LIEE and EELI program funds of \$2,571,127 will be carried over and used in SDG&E's PY2006 programs.

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

Low Income Energy Efficiency Programs

Program Summary

SDG&E offers low-income customers two separate programs: the LIEE and the EELI program. SDG&E contracts with outside contractors to manage the field activities of both of its programs. Under LIEE, the contractor performs outreach to customers, determines customer eligibility and enrollment, and provides in-home energy education and assessment of the home. The contractor subcontracts the LIEE weatherization activity and Heating, Ventilation and Air Conditioning (HVAC) work to licensed community based organizations (CBOs) and private contractors. The LIEE program is designed to help low-income residential customers control energy costs by providing no-cost weatherization, energy efficient lighting, appliance services, and energy conservation education. Communities targeted for LIEE participation by SDG&E are those where a majority of the households are at or below the income guidelines established by the California Public Utilities Commission (Commission) for the utilities' low-income programs. Customers must meet the program's income eligibility guidelines adopted by the Commission and the customer residence structural feasibility criteria in order to receive no cost home weatherization, lighting and appliance services.

SDG&E's EELI program is designed to educate low-income residential customers, in a workshop setting, on how to alter and/or change their energy usage by modifying certain household energy consumption patterns and habits. This program offers education in various languages including English, Spanish, African, Arabic, Asian, Eastern European, Laotian, Middle Eastern languages, Russian, and Vietnamese. Outreach for the EELI program is achieved through a continued presence in the low-income community and through education services that are delivered through a network of local agencies that provide services to SDG&E's culturally diverse low-income population.

As reported in Table 2.1.1 and Table 2.3, SDG&E spent a total of \$12,970,508 on its LIEE programs. Annual energy savings realized from these expenditures are 4,885 mWh and 234 mTherms. Therm savings resulting from the installation of "Big Six" measures totaled 172 mTherms. The total resource cost ratio of the program is 0.70, the utility cost ratio is 0.45, and the modified participant ratio is 0.99.

PY2005 Low Income Programs

Low Income Energy Efficiency Program

During PY2005, SDG&E treated 11,254 homes and weatherized 9,905 homes. Throughout PY2005, SDG&E combined its LIEE program outreach with its Medical Baseline program, Lighting Turn-In program, Family Electric Rate Assistance (FERA) program, and California Alternate Rates for Energy (CARE) program outreach activities in order to provide customers with knowledge of and access to all customer assistance programs. Other outreach efforts and media activities conducted during the year included the following:

- Updated the LIEE enrollment forms to include the updated income eligibility levels established by the Commission to qualify participants for the CARE, FERA, and LIEE programs.
- Identified, qualified, and enrolled customers for LIEE services by SDG&E's primary program field services implementation contractor. Used available marketing research and census track data to conduct direct mail campaigns specifically targeted to potential LIEE customers in targeted zip codes.
- Used a telemarketing firm to conduct follow-up telephone calls to customers where no response was received to the direct mail campaigns. This proactive approach significantly increased the response rate for the direct mail campaign by approximately 7-10 percent (%).
- The CARE participant database information was provided to the implementation contractor for use in conducting LIEE program outreach.
- Referred LIEE customers to the Department of Community Services and Development in order to leverage funds to provide additional energy efficient measures and services to low-income customers.

SDG&E continued to run LIEE program print advertising in multiple languages. Below is a table showing the print media and circulation associated with these publications.

<u>Language</u>	<u>Circulation</u>	<u>Area Served</u>
<u>Chinese</u>		
American Chinese Times	14,000	San Diego County
We Chinese in America	5,000	San Diego County
Chinese News	10,000	San Diego County
<u>Vietnamese</u>		
Nguio Viet	6,000	San Diego County
Saigon Nho	6,000	San Diego County
Thuong Mai	6,000	San Diego County
Tieng Viet	6,000	San Diego County and Vicinity

English print ads were placed in the following publications:

- North County Times
- San Diego Voice and Viewpoint
- Senior Life
- Penny Saver

An in-language Spanish print ad was developed and placed in the following publications:

- Penny Saver
- Diario Latino
- El Latino

Energy Education for Low Income Program (EELI)

Energy Education is provided to program participants through two components:

The Energy Practices Survey consists of a simple energy-use checklist that, when completed by the customer, provides immediate feedback on the cost of various energy-use practices. The survey is provided in English, Spanish, and Vietnamese.

The Energy Conservation Video and DVD reviews energy and money saving information and provides cost information on many day-to-day energy uses. The video and DVD are in English, Spanish, Russian, Somali, and Vietnamese.

During PY2005, the EELI program educated 16,045 low-income residential customers on how to alter and/or change their energy usage by modifying certain household energy consumption patterns and habits with expenditures of \$85,858. EELI group education was provided through a network of local CBOs that serve low income clientele including agencies serving the "underserved" and "hard-to-reach" population in SDG&E's service territory. EELI workshops were also held at senior centers, in conjunction with school financial workshops, and adult education facilities in an effort to reach seniors and other special interest customers outside of the EELI provider network. EELI informs customers on how energy is being consumed in their homes and provides them with methods of reducing energy costs through energy conservation. Other SDG&E assistance programs are also discussed with EELI participants including LIEE, CARE, FERA, Medical Baseline, and Level Pay Plan.

Additionally during PY2005, SDG&E contracted with new community agencies, provided agency training, and monitored agency energy education workshops. SDG&E contracted with a total of fifteen EELI agencies which resulted in approximately 2,000 classes being conducted on energy education. SDG&E provided oversight of the activities enumerated in the EELI community agency contracts in order to better serve its customers by increasing efficiencies and leveraging of existing relationships.

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

² Pacific Gas and Electric Company, Southern California Edison Company, Southern California Gas Company, and SDG&E.

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 SDG&E's LIEE program:

- Income eligibility was increased from 175% to 200% of the federal poverty guidelines (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 lighting, energy efficient appliances, and energy conservation education. By increasing the income eligibility up to 200% of the FPG, the estimated number of eligible SDG&E LIEE customers increased to 338,472 for PY2005. To simplify the LIEE program enrollment process, SDG&E 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. Through this new targeted self certification process, SDG&E successfully increased customer enrollment by approximately 21% during November and December of 2005 compared to the same timeframe in 2004.

PY2006 and PY2007 Low- Income Energy Efficiency Program Plans

In compliance with Commission D.05-04-052⁴, SDG&E filed Application (A.) 05-06-013 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 SDG&E's request to establish a two-year planning cycle for the LIEE program, commencing in PY2006 and ordered SDG&E to file an application for PY2006 and PY2007 specifying separate budgets and program goals for each year.

On December 15, 2005, the Commission issued D.05-12-026 which approved SDG&E's budget and program goals proposed for PY2006 and PY2007, with the exception of SDG&E's request

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.

to shift \$900,000 from the natural gas LIEE program activities to the electric LIEE program. D.05-12-026 directed SDG&E to maintain its current emphasis on the installation of natural gas LIEE measures. 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, SDG&E 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, SDG&E's program goals for PY2006 and PY2007 include providing in-home energy education to 8,693 homes, weatherizing 9,400 homes, replacing 6,070 refrigerators, repairing and replacing 725 natural gas furnaces, and installing 24,638 compact fluorescent lamps each year. In addition, SDG&E planned to treat 10,900 homes each year for 2006 and 2007.

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, SDG&E modified the projected number of homes it originally planned to treat by increasing the total number to 11,500 or 12,900 homes (increase of 6% or 18% respectively) for PY2006 by utilizing targeted self certification through April 2006 (representing 11,500 homes) or through December 2006 (representing 12,900 homes). On March 30, 2006, SDG&E 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 SDG&E's winter initiatives.⁶ In its April 14, 2006 filing, SDG&E 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 SDG&E's 2006 LIEE program.

SDG&E 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. SDG&E will continue to provide services consistent with D.05-10-044 and D.05-12-026 until such time a decision is rendered on SDG&E's PY2007/2008 applications.

For planning purposes, SDG&E 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 05-06-013.

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**

SDG&E 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. The local CBOs participating in SDG&E's program leveraged 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, SDG&E's program installed all feasible program measures in all the homes served by LIEE during PY2005. Additionally, SDG&E 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, SDG&E 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, Southern California Gas Company, and SDG&E 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, Southern California Gas Company, and SDG&E 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

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.

Paragraph 14 of D.05-10-044. Minutes of the November 9, 2005 meeting and the 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, SDG&E 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, SoCalGas, and SDG&E 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 SDG&E's LIEE programs over the last three years.

Other Program-Related Survey

In 2005, SDG&E surveyed approximately 1,200 customers to assess their satisfaction with the LIEE program. The purpose of this survey was to evaluate customer satisfaction with various aspects of their experience with LIEE. Additionally, the survey was designed to provide

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, Southern California Gas Company, and San Diego Gas and Electric Company.

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

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

The LIEE program continues to receive high ratings with the following results:

- Survey findings showed that 90% of LIEE customers are very satisfied overall, with 68% giving LIEE the highest rating of “Completely Satisfied”.
- An overwhelming 93% are very satisfied with the actual measures installed in their homes, with 84% giving the highest rating of “Completely Satisfied”.
- Customers continue to rate the sign-up process high with a 97% satisfaction.
- Historically, LIEE participants became aware of the program via door-to-door solicitation, relatives, or neighbors. There were two sources of outreach methods that showed a noticeable increase during the fourth quarter of PY2005: 1) advertising and 2) telephone solicitation. SDG&E believes that the increase in customer awareness was attributable to the follow-up telephone calls conducted by SDG&E’s primary contractor to customers that did not respond to the targeted direct mailings during the winter.

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

CBO Participation

SDG&E contracted LIEE program field services coordination with an outside contractor, to market and manage field services under its PY2005 program. This outside contractor subcontracted for weatherization services with two CBOs: (1) Campesinos Unidos, Inc. (CUI) and, (2) Metropolitan Area Advisory Committee (MAAC); and four private companies: (1) Capital State Construction, (2) Rancho Energy Services Co. (RESCO), (3) Western Insulation, and (4) Empire Insulation. Richard Heath and Associates (RHA) also subcontracted with six licensed HVAC companies to provide the gas furnace repair and replacement services offered through the LIEE program. The furnace subcontractors participating in PY2005 included: (1) Ameri-Mex, (2) DM Mechanical, (3) Jerry’s Heating and Air Conditioning, (4) Lloyd’s Plumbing, (5) South Bay Mechanical, and (6) Tierrasanta Heating and Air Conditioning. Tables TA 3.5 and TA 3.6 report on the level of participation by contractor types.

Leveraging

California’s LIHEAP Block Grant weatherization and bill assistance efforts are funded by the Federal Department of Health and Human Services (DHHS) and provides two basic types of service through CSD:

- Financial assistance to offset the costs of heating and/or cooling dwellings
- Weatherization work to make the dwelling more energy efficient

Community based organizations are eligible to apply for federal leveraged dollars for installed weatherization measures under the LIHEAP Block Grant program. In SDG&E’s service territory, CUI, MAAC and Community Action Partnership of Orange County (CAP) participated in the LIHEAP Leveraging Incentive Program. These three agencies reported \$2,410,067 in

leveraged resources to the CSD and the LIHEAP Block Grant administrator based on their work with SDG&E during 2005. The LIHEAP leveraging reports submitted by CUI, MAAC and CAP include the funds they received from SDG&E for the actual costs of materials and labor used to install energy efficient measures through the LIEE program.

Access to Other Low-Income Services

In accordance with D.00-07-020, SDG&E continued to use its existing LIEE referral systems to identify the needs of participating low income customers participating in the LIEE program and refer them to the appropriate CBOs and other community agencies. The contractor and all of its subcontractors continued to identify both the energy needs and non-energy needs of the low-income customer during the structural assessment, application process, energy education, and installation of weatherization measures and appliances, and make appropriate referrals to utility programs, state energy programs, and community agencies. The types of non-energy services provided by the community agencies in SDG&E's LIEE program included:

- Emergency food and clothing
- Shelter and housing
- High school equivalency instruction, English as a second language instruction, and math instruction
- Employment counseling
- Job Training
- Cultural Activities
- Translation Services
- Individual and Family Counseling
- Health Services
- Anger Management
- Substance Abuse Counseling
- Parenting and Money Management Classes
- Assistance Programs Tailored to Children
- Assistance Programs Tailored to Seniors

Table 2.1.1
Summary of Costs: Low Income - San Diego Gas & Electric
(Electric & Gas Combined)

LIEE Program	2005		2006
	Budgeted	Recorded	Revised Budget
Energy Efficiency			
- Gas Appliances	\$ 919,943	\$ 1,189,792	\$ 2,440,496
- Electric appliances	\$ 4,349,064	\$ 4,446,484	\$ 5,418,864
- Weatherization	\$ 3,924,924	\$ 3,636,948	\$ 4,277,825
- Outreach & Assessment	\$ -	\$ -	\$ -
- In Home Energy Education	\$ 1,244,291	\$ 1,460,140	\$ 1,691,296
- Education Workshops (EELI)	\$ 268,107	\$ 85,858	\$ 132,000
Energy Efficiency Total	\$ 10,706,329	\$ 10,819,222	\$ 13,960,481
Pilots			
- Pilot (Misc)	\$ -	\$ -	\$ -
Total Pilots	\$ -	\$ -	\$ -
Training center	\$ -	\$ -	\$ -
Inspections	\$ 486,048	\$ 95,030	\$ 161,180
Advertising	\$ 250,000	\$ 449,308	\$ 576,332
M&E studies	\$ 50,000	\$ 47,552	\$ 62,250
Regulatory compliance	\$ 200,000	\$ 272,909	\$ 286,838
Other administration	\$ 563,614	\$ 1,267,762	\$ 871,140
Oversight Costs			
- LIAB Start-Up	\$ -	\$ -	\$ -
- LIAB PY Past Year	\$ -	\$ -	\$ -
- LIAB PY Present Year	\$ -	\$ -	\$ -
- CPUC Energy Division	\$ 21,000	\$ 18,725	\$ 21,000
Total Oversight Costs	\$ 21,000	\$ 18,725	\$ 21,000
	\$ -	\$ -	\$ -
Total Costs	\$ 12,276,991	\$ 12,970,508	\$ 15,939,221

The 2006 Budget reflects the funding level authorized by the Commission in D.05-12-026 of \$13,368,094, plus carry over funds from PY2005 of \$2,571,127.

Table 2.1.2**Summary of Costs: Low Income - San Diego Gas & Electric
(Gas)**

	2005		2006
	Budgeted	Recorded	Revised Budget
LIEE Program			
Energy Efficiency			
- Gas Appliances	\$ 919,943	\$ 1,189,792	\$ 2,440,496
- Electric appliances	\$ -	\$ -	\$ -
- Weatherization	\$ 3,924,924	\$ 3,636,948	\$ 4,277,825
- Outreach & Assessment	\$ -	\$ -	\$ -
- In Home Energy Education	\$ 622,146	\$ 730,070	\$ 845,648
- Education Workshops (EELI)	\$ 53,621	\$ 17,443	\$ 66,000
Energy Efficiency Total	\$ 5,520,634	\$ 5,574,253	\$ 7,629,969
Pilots			
- Pilot (Misc)	\$ -	\$ -	\$ -
Total Pilots	\$ -	\$ -	\$ -
Training center	\$ -	\$ -	\$ -
Inspections	\$ 243,024	\$ 47,515	\$ 80,590.00
Advertising	\$ 125,000	\$ 224,654	\$ 288,166.00
M&E studies	\$ 25,000	\$ 23,776	\$ 31,125.00
Regulatory compliance	\$ 100,000	\$ 136,455	\$ 143,419.00
Other administration	\$ 281,807	\$ 634,109	\$ 435,570.00
Oversight Costs			
- LIAB Start-Up	\$ -	\$ -	\$ -
- LIAB PY Past Year	\$ -	\$ -	\$ -
- LIAB PY Present Year	\$ -	\$ -	\$ -
- CPUC Energy Division	\$ 10,500	\$ 9,081	\$ 10,500
Total Oversight Costs	\$ 10,500	\$ 9,081	\$ 10,500
Total Costs	\$ 6,305,965	\$ 6,649,844	\$ 8,619,339

Table 2.1.3
Summary of Costs: Low Income - San Diego Gas & Electric
(Electric)

	2005		2006
	Budgeted	Recorded	Revised Budget
LIEE Program			
Energy Efficiency			
- Gas Appliances	\$ -	\$ -	\$ -
- Electric appliances	\$ 4,349,064	\$ 4,446,484	\$ 5,418,864
- Weatherization	\$ -	\$ -	\$ -
- Outreach & Assessment	\$ -	\$ -	\$ -
- In Home Energy Education	\$ 622,146	\$ 730,070	\$ 845,648
- Education Workshops (EELI)	\$ 214,486	\$ 68,414	\$ 66,000
Energy Efficiency Total	\$ 5,185,696	\$ 5,244,969	\$ 6,330,512
Pilots			
- Pilot (Misc)	\$ -	\$ -	\$ -
Total Pilots	\$ -	\$ -	\$ -
Training center	\$ -	\$ -	\$ -
Inspections	\$ 243,024	\$ 47,515	\$ 80,590
Advertising	\$ 125,000	\$ 224,654	\$ 288,166
M&E studies	\$ 25,000	\$ 23,776	\$ 31,125
Regulatory compliance	\$ 100,000	\$ 136,454	\$ 143,419
Other administration	\$ 281,807	\$ 633,653	\$ 435,570
Oversight Costs			
- LIAB Start-Up	\$ -	\$ -	\$ -
- LIAB PY Past Year	\$ -	\$ -	\$ -
- LIAB PY Present Year	\$ -	\$ -	\$ -
- CPUC Energy Division	\$ 10,500	\$ 9,643	\$ 10,500
Total Oversight Costs	\$ 10,500	\$ 9,643	\$ 10,500
Total Costs	\$ 5,971,027	\$ 6,320,664	\$ 7,319,882

Table 2.2
Summary of LIEE Program Effects: DAP - San Diego Gas & Electric
Program Year: 2005
(Annual Energy Reductions)

	2005 (Recorded)	2006 (Revised Plan)
mWh	4,885	5,681
mTherms	234	245

Table 2.3
Summary of LIEE Cost-Effectiveness - San Diego Gas & Electric
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	0.45	0.70	0.99	0.41	0.65	0.93

Table 2.4
Summary of LIEE Cost-Effectiveness: DAP - San Diego Gas & Electric
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	\$ (7,115,009)	\$ (3,896,685)	\$ (66,902)	\$ (9,446,611)	\$ (5,509,188)	(\$1,048,603)

Table TA 3.1
LIEE Program Cost Estimates used for Cost-Effectiveness
Program Year: 2005
San Diego Gas & Electric

Gas and Electric Combined

	Utility Costs					
Program	Program Incentives (Recorded)		Admin	Other	Total	IMC
	Actual	Committed				
Dap	\$ 10,733,365	\$ -	\$ 2,151,286	\$ -	\$ 12,884,650	\$ -
EELI	\$ 85,858	\$ -	\$ -	\$ -	\$ 85,858	\$ -
Total	\$ 10,819,222	\$ -	\$ 2,151,286	\$ -	\$ 12,970,508	\$ -

Electric Only

	Utility Costs					
Program	Program Incentives (Recorded)		Admin	Other	Total	IMC
	Actual	Committed				
Dap	\$ 5,176,555	\$ -	\$ 1,075,695	\$ -	\$ 6,252,250	\$ -
EELI	\$ 68,414	\$ -	\$ -	\$ -	\$ 68,414	\$ -
Total	\$ 5,244,969	\$ -	\$ 1,075,695	\$ -	\$ 6,320,664	\$ -

Gas Only

	Utility Costs					
Program	Program Incentives (Recorded)		Admin	Other	Total	IMC
	Actual	Committed				
Dap	\$ 5,556,810	\$ -	\$ 1,075,590	\$ -	\$ 6,632,400	\$ -
EELI	\$ 17,443	\$ -	\$ -	\$ -	\$ 17,443	\$ -
Total	\$ 5,574,253	\$ -	\$ 1,075,590	\$ -	\$ 6,649,844	\$ -

Table TA 3.2.1
LIEE Cost Elements - San Diego Gas & Electric
(Electric & Gas Combined)

LIEE Program	Expenditures Recorded by Cost Element - 2005			
	Labor	Non-Labor	Contract	Total
Energy Efficiency				
- Gas Appliances	\$ -	\$ -	\$ 1,189,792	\$ 1,189,792
- Electric appliances	\$ -	\$ -	\$ 4,446,484	\$ 4,446,484
- Weatherization	\$ -	\$ -	\$ 3,636,948	\$ 3,636,948
- Outreach & Assessment	\$ -	\$ -	\$ -	\$ -
- In Home Energy Education	\$ -	\$ -	\$ 1,460,140	\$ 1,460,140
- Education Workshops (EELI)	\$ -	\$ -	\$ 85,858	\$ 85,858
Energy Efficiency Total	\$ -	\$ -	\$ 10,819,222	\$ 10,819,222
Pilots				
Pilot	\$ -	\$ -	\$ -	\$ -
Total Pilots	\$ -	\$ -	\$ -	\$ -
Training center	\$ -	\$ -	\$ -	\$ -
Inspections	\$ 88,758	\$ 6,272	\$ -	\$ 95,030
Advertising	\$ -	\$ 449,308	\$ -	\$ 449,308
M&E studies	\$ 11,448	\$ 36,103	\$ -	\$ 47,552
Regulatory compliance	\$ 192,262	\$ 80,647	\$ -	\$ 272,909
Other administration	\$ 1,180,688	\$ 87,074	\$ -	\$ 1,267,762
Oversight Costs				
- LIAB Start-Up	\$ -	\$ -	\$ -	\$ -
- LIAB PY Past Year	\$ -	\$ -	\$ -	\$ -
- LIAB PY Present Year	\$ -	\$ -	\$ -	\$ -
- CPUC Energy Division	\$ -	\$ 18,725	\$ -	\$ 18,725
Total Oversight Costs	\$ -	\$ 18,725	\$ -	\$ 18,725
Total Costs	\$ 1,473,156	\$ 678,130	\$ 10,819,222	\$ 12,970,508

Table TA 3.2.2
LIEE Cost Elements - San Diego Gas & Electric
(Gas)

LIEE Program	Expenditures Recorded by Cost Element - 2005			
	Labor	Non-Labor	Contract	Total
Energy Efficiency				
- Gas Appliances	\$ -	\$ -	\$ 1,189,792	\$ 1,189,792
- Electric appliances	\$ -	\$ -	\$ -	\$ -
- Weatherization	\$ -	\$ -	\$ 3,636,948	\$ 3,636,948
- Outreach & Assessment	\$ -	\$ -	\$ -	\$ -
- In Home Energy Education	\$ -	\$ -	\$ 730,070	\$ 730,070
- Education Workshops (EELI)	\$ -	\$ -	\$ 17,443	\$ 17,443
Energy Efficiency Total	\$ -	\$ -	\$ 5,574,253	\$ 5,574,253
Pilots				
Pilot (A)	\$ -	\$ -	\$ -	\$ -
Total Pilots	\$ -	\$ -	\$ -	\$ -
Training center	\$ -	\$ -	\$ -	\$ -
Inspections	\$ 42,868	\$ 4,647	\$ -	\$ 47,515
Advertising	\$ -	\$ 224,654	\$ -	\$ 224,654
M&E studies	\$ 6,435	\$ 17,341	\$ -	\$ 23,776
Regulatory compliance	\$ 96,131	\$ 40,323	\$ -	\$ 136,455
Other administration	\$ 592,340	\$ 41,770	\$ -	\$ 634,109
Oversight Costs				
- LIAB Start-Up	\$ -	\$ -	\$ -	\$ -
- LIAB PY Past Year	\$ -	\$ -	\$ -	\$ -
- LIAB PY Present Year	\$ -	\$ -	\$ -	\$ -
- CPUC Energy Division	\$ -	\$ 9,081	\$ -	\$ 9,081
Total Oversight Costs	\$ -	\$ 9,081	\$ -	\$ 9,081
Total Costs	\$ 737,775	\$ 337,816	\$ 5,574,253	\$ 6,649,844

Table TA 3.2.3
LIEE Cost Elements - San Diego Gas & Electric
(Electric)

LIEE Program	Expenditures Recorded by Cost Element - 2005			
	Labor	Non-Labor	Contract	Total
Energy Efficiency				
- Gas Appliances	\$ -	\$ -	\$ -	\$ -
- Electric appliances	\$ -	\$ -	\$ 4,446,484	\$ 4,446,484
- Weatherization	\$ -	\$ -	\$ -	\$ -
- Outreach & Assessment	\$ -	\$ -	\$ -	\$ -
- In Home Energy Education	\$ -	\$ -	\$ 730,070	\$ 730,070
- Education Workshops (EELI)	\$ -	\$ -	\$ 68,414	\$ 68,414
Energy Efficiency Total	\$ -	\$ -	\$ 5,244,969	\$ 5,244,969
Pilots				
Pilot (A)	\$ -	\$ -	\$ -	\$ -
Total Pilots	\$ -	\$ -	\$ -	\$ -
Training center	\$ -	\$ -	\$ -	\$ -
Inspections	\$ 45,890	\$ 1,625	\$ -	\$ 47,515
Advertising	\$ -	\$ 224,654	\$ -	\$ 224,654
M&E studies	\$ 5,013	\$ 18,763	\$ -	\$ 23,776
Regulatory compliance	\$ 96,130	\$ 40,324	\$ -	\$ 136,454
Other administration	\$ 588,348	\$ 45,305	\$ -	\$ 633,653
Oversight Costs				
- LIAB Start-Up	\$ -	\$ -	\$ -	\$ -
- LIAB PY Past Year	\$ -	\$ -	\$ -	\$ -
- LIAB PY Present Year	\$ -	\$ -	\$ -	\$ -
- CPUC Energy Division	\$ -	\$ 9,643	\$ -	\$ 9,643
Total Oversight Costs	\$ -	\$ 9,643	\$ -	\$ 9,643
Total Costs	\$ 735,381	\$ 340,314	\$ 5,244,969	\$ 6,320,664

Table TA 3.3
Program Detail By Housing Type and Heating source
San Diego Gas & Electric

	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	770	37	\$ 2,031,916	2,050	1,775	2,031
- Multi Family	494	24	\$ 1,302,585	1,314	1,138	1,302
- Mobile Home	54	3	\$ 143,649	145	125	144
Sub Total Dwellings Served	1,319	63	\$ 3,478,149	3,509	3,038	3,477
Gas Heat - Rent						
- Single Family	1,655	79	\$ 4,366,156	4,405	3,814	4,365
- Multi Family	1,061	51	\$ 2,798,977	2,824	2,445	2,798
- Mobile Home	117	6	\$ 308,670	311	270	309
Sub Total Dwellings Served	2,834	136	\$ 7,473,803	7,541	6,528	7,472
Electric Heat - Own						
- Single Family	136	7	\$ 358,573	362	313	358
- Multi Family	87	4	\$ 229,868	232	201	230
- Mobile Home	10	0	\$ 25,350	26	22	25
Sub Total Dwellings Served	233	11	\$ 613,791	619	536	614
Electric Heat - Rent						
- Single Family	292	14	\$ 770,498	777	673	770
- Multi Family	187	9	\$ 493,937	498	431	494
- Mobile Home	21	1	\$ 54,471	55	48	54
Sub Total Dwellings Served	500	24	\$ 1,318,906	1,331	1,152	1,319
Total Dwellings Served	4,885	234	\$ 12,884,650	13,000	11,254	12,882

Table TA 3.4
Program Detail by Measure - San Diego Gas & Electric

	Energy Saved and Program Costs			Number of Dwellings Served
	2005			2005
	mWh	mTherm	Expenses	Actual Dwellings Served
Furnaces				
- Repair - Gas	-	21	\$ 58,045	845
- Replacement - Gas	-	12	\$ 421,165	312
- Repair - Electric	-	-	\$ -	
- Replacement - Electric	-	-	\$ -	
Infiltration & Space Conditioning				
- Cover Plates/Gaskets	-	-	\$ 35,801	7,322
- Evaporative Cooler/Air Cond. Covers	0	0	\$ 699	18
- HVAC Air Filter Replacement	-	-	\$ -	-
Weatherization				
- Ceiling Insulation	6	10	\$ 288,769	410
- Water Heater Blanket	17	15	\$ 46,746	1,472
- Low Flow Showerhead	63	64	\$ 386,241	9,443
- Weatherstripping	14	29	\$ 663,517	8,190
- Caulking	10	26	\$ 334,587	7,870
- Minor Home Repairs	15	28	\$ 107,059	5,185
- Attic Access Weatherstripping [1]	-	-	\$ -	-
Water Heater Savings				
- Water Heater Pipe Wrap	1	2	\$ 4,735	376
- Faucet Aerators	31	27	\$ 92,071	9,330
Miscellaneous Measures				
- Attic Ventilation	-	-	\$ 4,760	61
- Auto Sweep	-	-	\$ 6,152	131
- Door Replacement	-	-	\$ 386,357	1,731
- Door Threshold	-	-	\$ 70,757	2,156
- Duct Register Sealing	-	-	\$ 68	1
- Flex Connector Cooking Appliance	-	-	\$ 239	8
- Flex Connector Water Heater	-	-	\$ 299	10
- Gas Appliance Inspection & Service	-	-	\$ 314,819	7,575
- Glass Replacement	-	-	\$ 73,320	1,100
- Jamb Replacement	-	-	\$ 3,359	75
- Vent Cap - WH	-	-	\$ 21,672	501
- Vent Pipe - WH	-	-	\$ 44,139	504
Portable Evaporative Coolers	-	-	\$ -	-
Permanent Evaporative Coolers	5	-	\$ 8,033	9
Compact Fluorescents (inc. porchlights)	954	-	\$ 453,021	10,792
Porchlights (fixture replacement or CFBs)	39	-	\$ 65,872	1,115
Refrigerators	3,729	-	\$ 3,591,981	4,975
Landlord Rebate Pilots				
- Refrigerators	-	-	\$ -	-
- Air Conditioner Replacement - Room	-	-	\$ -	-
- Air Conditioner Replacement - Central	-	-	\$ -	-
Pilots - Rapid Deployment				
- Air Conditioner Replacement - Room	1	-	\$ 1,533	2
- Air Conditioner Replacement - Central	-	-	\$ -	-
- Duct Sealing and Repair	-	-	\$ -	-
- Whole House Fans	-	-	\$ -	-
- Water Heater Replacement - Gas	-	0	\$ 761	1
- Water Heater Replacement - Electric	-	-	\$ -	-
- Set-back Thermostats	-	-	\$ -	-
- Evaporative Cooler Maintenance	-	-	\$ -	-
- New Central Return	-	-	\$ -	-
Energy Education				
- Outreach & Assessment	-	-	\$ -	10,303
- In-Home Education	-	-	\$ 1,135,060	11,048
- Education Workshops (EELI)	-	-	\$ 85,858	16,045

Table TA 3.5
Program Installation
Program Year: 2005
San Diego Gas & Electric

	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
Dwellings	Each											
Furnaces												
Repair - Gas	Each	832	832	\$ 30,342	13	13	\$ 27,703	845	845	\$ 58,045	\$ 69	\$ 69
Replacement - Gas	Each	16	16	\$ 21,378	298	296	\$ 399,787	314	312	\$ 421,165	\$ 1,341	\$ 1,350
Repair - Electric	Each	-	-	\$ -	-	-	\$ -	-	-	\$ -	\$ -	\$ -
Replacement - Electric	Each	-	-	\$ -	-	-	\$ -	-	-	\$ -	\$ -	\$ -
Infiltration & Space Conditioning												
- Ceiling Insulation	Sq. Ft.	241,448	192	\$ 147,726	225,099	218	\$ 141,044	466,547	410	\$ 288,770	\$ 1	\$ 704
- Caulking	Linear Ft.	63,189	4,387	\$ 194,525	34,297	3,483	\$ 140,062	97,486	7,870	\$ 334,587	\$ 3	\$ 43
- Weather Stripping	Each	8,053	4,594	\$ 394,685	5,492	3,596	\$ 268,832	13,545	8,190	\$ 663,517	\$ 49	\$ 81
- Cover Plates/Gaskets	Each	18,595	4,284	\$ 19,896	14,864	3,038	\$ 15,905	33,459	7,322	\$ 35,801	\$ 1	\$ 5
- Evaporative Cooler/Air Cond. Covers	Each	9	7	\$ 314	11	11	\$ 385	20	18	\$ 699	\$ 35	\$ 39
- Air Conditioner Replacement - Room	Each	2	2	\$ 1,533	-	-	\$ -	2	2	\$ 1,533	\$ 767	\$ 767
- Air Conditioner Replacement - Central	Each	-	-	\$ -	-	-	\$ -	-	-	\$ -	\$ -	\$ -
- Duct Sealing and Repair	Each	-	-	\$ -	-	-	\$ -	-	-	\$ -	\$ -	\$ -
- Whole House Fans	Each	-	-	\$ -	-	-	\$ -	-	-	\$ -	\$ -	\$ -
- Set-back Thermostats	Each	-	-	\$ -	-	-	\$ -	-	-	\$ -	\$ -	\$ -
- Evaporative Cooler Maintenance	Each	-	-	\$ -	-	-	\$ -	-	-	\$ -	\$ -	\$ -
- Attic Ventilation	Home	37	28	\$ 2,206	49	33	\$ 2,554	86	61	\$ 4,760	\$ 55	\$ 78
- Auto Sweep	Each	65	50	\$ 2,395	102	81	\$ 3,758	167	131	\$ 6,152	\$ 37	\$ 47
- Door Replacement	Each	1,189	888	\$ 204,720	1,054	843	\$ 181,637	2,243	1,731	\$ 386,357	\$ 172	\$ 223
- Door Threshold	Each	1,711	1,171	\$ 41,475	1,208	985	\$ 29,282	2,919	2,156	\$ 70,757	\$ 24	\$ 33
- Glass Replacement	Sq. Ft.	4,742	580	\$ 40,350	3,874	520	\$ 32,970	8,616	1,100	\$ 73,320	\$ 9	\$ 67
- Jamb Replacement	Each	112	51	\$ 2,726	26	24	\$ 633	138	75	\$ 3,359	\$ 24	\$ 45
- New Central Return	Home	-	-	\$ -	-	-	\$ -	-	-	\$ -	\$ -	\$ -
Water Heating Savings												
- Water Heater Blanket	Each	1,003	994	\$ 31,658	479	478	\$ 15,089	1,482	1,472	\$ 46,746	\$ 32	\$ 32
- Low Flow Showerhead	Each	7,348	5,523	\$ 236,218	4,709	3,920	\$ 150,023	12,057	9,443	\$ 386,241	\$ 32	\$ 41
- Water Heater Pipe Wrap	Linear Ft.	1,328	239	\$ 3,772	339	137	\$ 963	1,667	376	\$ 4,735	\$ 3	\$ 13
- Faucet Aerators	Each	11,499	5,366	\$ 54,388	7,967	3,964	\$ 37,683	19,466	9,330	\$ 92,071	\$ 5	\$ 10
- Water Heater Replacement	Each	-	-	\$ -	1	1	\$ 761	1	1	\$ 761	\$ 761	\$ 761
Minor Home Repairs	Home	2,705	2,705	\$ 62,188	2,228	2,228	\$ 44,871	4,933	4,933	\$ 107,059	\$ 22	\$ 22
Miscellaneous Measures	Home			\$ 351,408	530	530	\$ 29,828	530	530	\$ 381,236	\$ 719	\$ 719
Evaporative Coolers	Each	9	9	\$ 8,033	-	-	\$ -	9	9	\$ 8,033	\$ 893	\$ 893
Refrigerators	Each	4,975	4,975	\$ 3,591,981	-	-	\$ -	4,975	4,975	\$ 3,591,981	\$ 722	\$ 722
Compact Fluorescents (inc. porchlights)	Each	45,946	10,792	\$ 453,021	-	-	\$ -	45,946	10,792	\$ 453,021	\$ 10	\$ 42
Porchlights (fixture replacement)	Each	763	498	\$ 36,610	760	617	\$ 29,263	1,523	1,115	\$ 65,872	\$ 43	\$ 59
Outreach Education Administration	Home	11,254	11,254	\$ 1,625,151	-	-	\$ 321,318	11,254	11,254	\$ 1,946,469	\$ 173	\$ 173

Note: SDG&E's database tracks dwelling information per measure, but does not have the ability to measure total dwelling information for the program per contractor.

TABLE TA 3.6
PERCENTAGE OF DWELLINGS SERVED BY CONTRACTOR CLASSIFICATION
2005
San Diego Gas & Electric

Program	Contractor Classification	Vendor	% Dwellings Served	WMDVBE Certified (Yes or No)
LIEE*				
	CBO Participants			
		Contractor C	8%	No
		Contractor D	14%	No
			22%	
	Non-CBO Participants			
		Contractor A	31%	Yes
		Contractor B	19%	No
		Contractor E	19%	No
		Contractor J	9%	Yes
		Contractor P	1%	No
Furnace Work			78%	
	CBO Participants			
		-	-	
	Non-CBO Participants			
		Contractor F	7%	No
		Contractor G	7%	No
		Contractor H	2%	Yes
		Contractor J	56%	Yes
		Contractor L	14%	No
		Contractor M	5%	No
		Contractor N	5%	No
		Contractor O	5%	No
			100%	
Refrigerator Replacement				
	CBO Participants			
		-	-	
	Non-CBO Participants			
		Contractor J	100%	Yes
Water Heater Replacement				
	CBO Participants			
		-	-	
	Non-CBO Participants			
		Contractor M	100%	No
Central and Wall Air Conditioner Replacement				
	CBO Participants			
		-	-	
	Non-CBO Participants			
		Contractor J	100%	Yes
EELI				
	CBO Participants			
		1	13.3%	No
		2	3.4%	No
		3	21.3%	No
		4	37.4%	No
		5	0.8%	No
		6	0.7%	No
		7	0.2%	No
		8	2.4%	No
		9	2.0%	No
		10	6.7%	No
		11	0.4%	No
		12	8.8%	No
		13	1.8%	No
		14	0.6%	No
		15	0.1%	No
			100%	
	Non-CBO Participants	-		-
		Subtotal		

TABLE TA 3.7
LIFE CYCLE BILL SAVINGS
San Diego Gas & Electric
2005

Measure Description	Number Installed			Per Measure Electric Impact (kWh)		Per Measure Gas Impact	EUL	Total Measure Life Cycle Bill Savings
	Elec SH	AC	Gas SH	Elec SH	AC	(Therms)	(years)	(\$)
Energy Efficiency Measures								
Attic Insulation MF	0	0	2	168.2	36.9	20.5	25	\$ 551
Attic Insulation SF	35	14	369	149.9	45.0	26.1	25	\$ 139,930
Caulking MF	545	218	1,862	6.9	0.9	2.1	5	\$ 17,989
Caulking	18	7	219	7.2	1.0	4.3	5	\$ 4,130
Caulking	568	227	4,658	10.2	2.4	4.6	5	\$ 96,187
CFL MF	0	16,909	0	0.0	16.4	0.0	8	\$ 259,704
CFL MH	0	1,508	0	0.0	16.4	0.0	8	\$ 23,161
CFL SF	0	27,529	0	0.0	23.7	0.0	8	\$ 611,020
Evaporative Cooler Cover MF	0	1	1	1.3	0.0	2.5	3	\$ 6
Evaporative Cooler Cover MH	1	17	16	3.8	0.0	6.5	3	\$ 291
Evaporative Cooler Cover SF	0	0	0	0.0	0.0	0.0	3	\$ -
Evaporative Cooler Installation MF	0	0	0	0.0	0.0	0.0	15	\$ -
Evaporative Cooler Installation MH	0	7	0	0.0	535.3	0.0	15	\$ 5,635
Evaporative Cooler Installation SF	0	2	0	0.0	379.4	0.0	15	\$ 1,141
Faucet Aerators	0	356	3,026	0.0	0.0	2.6	5	\$ 34,498
Faucet Aerators	0	22	247	0.0	0.0	2.6	5	\$ 2,810
Faucet Aerators	0	487	5,190	0.0	0.0	3.6	5	\$ 81,924
Furnace Repair	0	0	182	0.0	0.0	25.5	10	\$ 36,150
Furnace Repair MH	0	0	12	0.0	0.0	28.0	10	\$ 2,622
Furnace Repair SF	0	0	648	0.0	0.0	25.1	10	\$ 126,600
Furnace Replacement MF	0	0	2	0.0	0.0	12.9	18	\$ 304
Furnace Replacement MH	0	0	38	0.0	0.0	40.4	18	\$ 18,115
Furnace Replacement SF	0	0	271	0.0	0.0	37.6	18	\$ 120,037
Low Flow Showerhead MF	0	355	3,004	0.0	0.0	7.2	10	\$ 168,644
Low Flow Showerhead MH	0	446	2,646	0.0	0.0	7.2	10	\$ 148,546
Low Flow Showerhead SF	0	86	2,903	0.0	0.0	8.2	10	\$ 185,598
Minor Home Repair MF	223	89	959	17.6	5.4	3.4	10	\$ 27,118
Minor Home Repair MH	10	4	100	18.8	5.7	5.0	10	\$ 3,975
Minor Home Repair SF	379	152	3,502	25.5	7.4	7.0	10	\$ 194,037
Porch Light MF	0	44	0	0.0	24.2	0.0	16	\$ 668
Porch Light MH	0	6	0	0.0	24.2	0.0	16	\$ 91
Porch Light SF	0	1,065	0	0.0	35.6	0.0	16	\$ 23,785
Refrigerator MF	0	1,481	0	0.0	665.1	0.0	18	\$ 1,668,436
Refrigerator MH	0	253	0	0.0	665.1	0.0	18	\$ 285,020
Refrigerator SF	0	3,241	0	0.0	794.8	0.0	18	\$ 4,363,193
Room AC MF	0	0	0	0.0	0.0	0.0	15	\$ -
Room AC MH	0	2	0	0.0	291.8	0.0	15	\$ 878
Room AC SF	0	0	0	0.0	0.0	0.0	15	\$ -
Water Heater Blanket MF	0	18	136	0.0	0.0	9.2	5	\$ 5,494
Water Heater Blanket SF	0	101	1,170	0.0	0.0	11.3	5	\$ 57,958
Water Heater Pipe Wrap MF	0	6	47	0.0	0.0	3.6	15	\$ 1,783
Water Heater Pipe Wrap MH	0	1	19	0.0	0.0	3.6	15	\$ 709
Water Heater Pipe Wrap SF	0	20	283	0.0	0.0	4.6	15	\$ 13,611
Water Heater Replacement MF	0	0	0	0.0	0.0	0.0	13	\$ -
Water Heater Replacement MH	0	0	1	0.0	0.0	19.0	13	\$ 180
Water Heater Replacement SF	0	0	0	0.0	0.0	0.0	13	\$ -
Weatherstripping MF	659	263	1,956	10.5	0.9	2.8	5	\$ 24,936
Weatherstripping MH	13	5	150	11.3	0.9	5.1	5	\$ 3,369
Weatherstripping SF	577	231	4,835	10.2	2.4	4.7	5	\$ 101,668
Total Bill Savings for All Measures in Program Year								\$ 8,864,286

Total Number of Homes Served by the Program during Program Year

11,254

Life Cycle Bill Savings Per Home

\$ 787.66

TABLE TA 3. 8
ENERGY RATES USED FOR BILL SAVINGS CALCULATIONS
San Diego Gas & Electric

Year	\$/kWh	\$/Therm
2005	0.1380	0.9870
2006	0.2694	1.8996
2007	0.3946	2.7688
2008	0.5138	3.5966
2009	0.6273	4.3849
2010	0.7355	5.1357
2011	0.8384	5.8508
2012	0.9365	6.5318
2013	1.0299	7.1804
2014	1.1189	7.7981
2015	1.2036	8.3864
2016	1.2843	8.9466
2017	1.3611	9.4802
2018	1.4343	9.9884
2019	1.5040	10.4724
2020	1.5704	10.9333
2021	1.6336	11.3723
2022	1.6938	11.7904
2023	1.7512	12.1886
2024	1.8058	12.5678
2025	1.8578	12.9289
2026	1.9073	13.2729
2027	1.9545	13.6005
2028	1.9994	13.9125
2029	2.0422	14.2096

TABLE TA 3.9
BILL SAVINGS
San Diego Gas & Electric

Program Year	Program Costs	Program Lifecycle Bill Savings	Program Bill Savings/ Cost Ratio	Per Home Average Lifecycle Bill Savings
2003	\$ 12,865,219	\$ 7,617,205	0.59	\$ 485
2004	\$ 14,405,365	\$ 9,607,052	0.67	\$ 645
2005	\$ 12,970,508	\$ 8,864,286	0.68	\$ 788