

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

2008 Results
May 1, 2009



A  Sempra Energy utility®

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Executive Summary

Overview

This report on San Diego Gas & Electric Company's (SDG&E) portfolio of Low Income Energy Efficiency (LIEE) Program provides information on program accomplishments and expenditures for program year (PY) 2008. SDG&E's LIEE program¹ offers its low income customers weatherization services, energy efficient lighting, energy efficient appliances, and energy education at no cost to qualified natural gas and electric customers.

Program Results

The PY2008 LIEE program portfolio design and funding was approved by the California Public Utilities Commission (Commission) in Decision (D.) 06-12-038, issued on December 14, 2006, and modified by D.07-06-004 on June 7, 2007.

During PY2008, the LIEE program treated² a total of 20,804 homes and weatherized³ 17,718 homes. As part of its comprehensive services to eligible LIEE participants, SDG&E provided in-home energy education to 20,411 customers; installed 3,277 energy efficient refrigerators, 112,796 compact florescent lamps (CFLs), 13,011 interior hard-wired CFL fixtures, 4,588 torchieres, 16,094 low flow showerheads, 486 room air conditioners; weatherstripped 15,705 doors; installed caulking to 15,023 homes; repaired or replaced 1,291 natural gas furnaces; and installed attic insulation in 421 homes.

Weatherization and appliance installations resulted in first-year energy savings of 6,797 mWh and 327 mTherms. The energy savings achieved through the 2008 LIEE program will contribute to the Commission's energy savings goals adopted for program year 2006 and beyond as set forth in D.04-09-060.⁴ The average per home lifecycle bill savings for the 2008 LIEE program was \$468.

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

² Per D.02-12-019, the Commission defines a "treated" home as an income-qualified home that has received any measure or service under the LIEE program, including energy education, compact fluorescent lamps, weatherization and appliances. Under the LIEE program, a treated home must receive all feasible measures for which it qualifies.

³ Per D.02-12-019, the Commission defines a "weatherized" home as a subset of treated homes, and are defined as income-qualified homes that have received any weatherization measures (e.g., weatherstripping and caulking) under the LIEE program.

⁴ Findings of Fact 13.

SDG&E's total LIEE authorized budget for PY2008 was \$13,302,751. Unspent funds from prior years, totaling \$3,107,854 were carried over and used in SDG&E's PY2008 LIEE program. LIEE program expenditures during 2008 totaled \$16,420,247.

Low Income Energy Efficiency Program

Program Summary

The LIEE program helps low income residential customers control energy costs by providing no-cost weatherization, energy efficient lighting, select energy-efficient appliances, 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 Commission for the utilities' low income programs. In order to receive LIEE program services, the home must also meet the program's residence structural feasibility criteria in accordance with the Commission-adopted Statewide LIEE Policy and Procedures Manual.

During PY2008, SDG&E utilized an outside contractor, Richard Heath and Associates (RHA), to manage the field activities of its LIEE program. Under the LIEE program, RHA performed program outreach, enrolled customers into the program, assessed customers' homes and provided in-home energy education either during their assessment or at the time of the installation. RHA subcontracts the LIEE measure installations and Heating, Ventilation and Air Conditioning (HVAC) services to licensed community-based organizations (CBOs) and private contractors.

As reported in Table 1, SDG&E spent a total of \$16.420 million on its LIEE program. The annual energy savings realized during 2008 were 6,797 mWh and 327 mTherms.

PY2008 Low Income Program

During PY2008, SDG&E treated 20,804 homes and weatherized 17,718 homes. Throughout PY2008, SDG&E continued to offer qualified customers access to all customer assistance programs such as the California Alternative Rates for Energy (CARE) program, Family Electric Rate Assistance (FERA) program, Medical Baseline, and Lighting Turn-In events. By providing customers information on these programs, SDG&E is able to integrate marketing and outreach budgets while increasing program awareness at every opportunity possible. Marketing, education, and outreach efforts conducted during PY2008 include the following:

Marketing, Education & Outreach

Integration⁵

- Utilized CARE and Medical Baseline enrollment data to identify LIEE-eligible households.
- Promoted LIEE through various SDG&E field personnel, such as field collectors and gas service technicians.
- Used CARE and Medical Baseline system enrollment information for analysis and identification of households that have a high potential for meeting the LIEE program eligibility criteria.
- Utilized SDG&E “My Account”⁶ customer data to identify LIEE-eligible customers who are more likely to respond to electronic communications. Launched three email campaigns to these customers.
- Cross promoted LIEE program during CARE door-to-door canvassing efforts.

Outreach Efforts

- Provided SDG&E prime contractor with mailing list information to coordinate community and neighborhood canvassing efforts.
- Worked with local city officials and the media to increase LIEE awareness and participation through in-home interviews with participating LIEE customers.
- Utilized 2-1-1 San Diego⁷ to promote and educate clients about SDG&E’s assistance programs, such as LIEE, CARE, FERA, Medical Baseline Allowance and Neighbor-to-Neighbor.

⁵ Integration as defined in D.08-11-031.

⁶ SDG&E’s “My Account” is an on-line service for billing, payment, and other personalized on-line account information and services offered to all customers within SDG&E’s service territory.

⁷ 2-1-1 is the dialing code for 24/7 access to information on community, health, and disaster resources. This community service is provided without charge by 2-1-1 San Diego, a non-profit organization. 2-1-1 has been set aside by the Federal Communications Commission as the phone number for confidential community information ranging from substance abuse treatment, care for a child, or volunteer opportunities.

- Worked with the City of Chula Vista to distribute collateral promoting conservation, energy efficiency and utility assistance programs to Chula Vista residents.
- Provided training and education on SDG&E assistance programs to the San Diego Refugee Forum in order to increase awareness and enrollments among hard-to-reach customers, such as those with unique language and cultural barriers.
- Worked with public assistance agency programs such as California Work Opportunity and Responsibility to Kids (CalWorks), Women, Infants, and Children (WIC), Head Start and others to enroll customers based on categorical eligibility. In 2008, 1,452 customers were enrolled in the LIEE program based on categorical eligibility.
- Worked with Rebuilding Together San Diego, Association for the Advancement of Retired Persons (AARP), and the North Park Business Association to host a community block party celebrating the renovation of a local resident's home. The event provided customers the opportunity to learn about energy efficiency, assistance programs, and other services offered by SDG&E and other local businesses and agencies.
- Provided SDG&E assistance program information at the Veterans of Foreign Wars (VFW) Hall renovation event in Sherman Heights, a predominately Hispanic community in San Diego. This event was hosted by Rebuilding Together San Diego and the U.S. Navy and was attended by a variety of potential LIEE customers, including veterans from various VFW Halls.
- Enrolled customers in the LIEE and CARE programs at the Salvation Army Holiday Events located throughout San Diego County in the month of December.
- Worked with *ResponseLink* of San Diego County, a provider of medical alert devices and services, to distribute LIEE, CARE and Medical Baseline collateral to clients and to provide them with light emitting diode (LED) nightlights designed to prevent slip and falls.

- SDG&E also worked with Health & Human Services, Union of Pan-Asian Communities, and the non-gaming Tribal Temporary Assistance for Needy Families (TANF) administration on efforts to educate their clientele who receive public assistance about SDG&E's assistance programs. These efforts will be expanded in 2009 in order to increase enrollments within these hard-to-reach populations.
- During 2008, SDG&E also began developing relationships with agencies that provide various services to clients with disabilities. SDG&E will continue these efforts in 2009 and will focus on agencies that offer assistance such as meal delivery, transportation, and health care.

Expanded Outreach Efforts

- In 2008, SDG&E expanded its outreach efforts by hiring an additional outreach team that worked directly with LIEE program management to generate awareness and increase leads for RHA. To ensure consistent messaging and delivery with the RHA outreach team, SDG&E's outreach team spent several days shadowing RHA field outreach personnel. The results were impressive with the internal outreach team enrolling over 2,900 customers in 2008. The combined efforts of both SDG&E and RHA resulted in 20,804 customers being served in 2008.

Marketing

Web

- SDG&E is continuously looking for new and better ways to educate and inform customers about its assistance programs and services. One improvement made in PY2008 was the redesign of the LIEE web pages. This revamp provided improved web functionality and design, resulting in simpler navigation and greater customer appeal. One of the specific upgrades that had a significant impact was the redesign of the on-line LIEE program interest form which allowed customers to find what they are looking for more easily while also decreasing turn around time for customers once forms are submitted. In addition, the enhancements helped simplify the on-line application process for customers while also reducing the likelihood of losing potential leads resulting from difficulties of navigating for information or completing interest forms.
- SDG&E also ensures the most up-to-date program information is posted on the LIEE web pages, including the LIEE program's income guidelines updated by the Commission on June 1st of each year.

Telephone

- Launched outbound calling campaigns to (1) customers who did not respond to the LIEE program direct mail and (2) customers enrolled in the CARE program, but not enrolled in the LIEE program at the time of the campaign.

E-Mail

- Launched email campaigns to low-income internet users who are more responsive to on-line communications versus other more traditional communications, such as direct mail or community events.

Direct Mail

- Launched direct mail campaigns to residents living in zip codes believed to have high concentrations of potential LIEE customers.

Television

- Partnered with Cox Communications to feature a story about the LIEE program on a produced segment called "Go Green" on Channel 4's news magazine, the *San Diego Insider*. The segment ran for several weeks for during the months of October and November and showed the LIEE program at work, shared its mission and featured a customer that benefitted from LIEE services.
- Ran thirty-second television advertisements, featuring the LIEE program, for eight weeks during the months of October and November on the following channels (San Diego zip codes only): Animal Planet, BET, SD4 Insider/Postgame, Padres/Replay, the Sci Fi Channel, Speed, TBS, TNT, Travel Channel, USA, Versus.
- Ran an LIEE program message scroll along the bottom of the Weather Channel station for zip codes in San Diego County during the month of November.

TV		
<u>Language/Station</u>	<u>Gross Impressions</u>	<u>Area Served</u>
English		
SDI (Cox Interconnect*):	4,651,500	San Diego County
<i>*incl: Animal Planet, BET, SD4 Insider/Postgame, Padres/Replay, Sci Fi, Speed, TBS, TNT, Travel Channel, USA, Versus</i>		

Print

- Ran print insertions in the *PennySaver* and *Union Tribune* local mailers (in English and Spanish) for the LIEE program. Below is a table showing the circulation for each publication.

PRINT		
<u>Language/Publication</u>	<u>Circulation</u>	<u>Area Served</u>
English + Spanish		
Union Tribune - MicroZone Inserts	104,968	San Diego County
Pennysaver	115,200	San Diego County

Radio

- Purchased radio air time for disc jockey (DJ) ad libs, which are non-scripted 30-second radio advertisement spots where the DJ speaks about the LIEE program in Spanish and Vietnamese (see estimated reach by station below). During these spots, radio personalities spoke of the benefits of the LIEE program to their listeners. The LIEE program radio advertisements were leveraged with the CARE program to reduce media cost, gain more interest, and encourage customers to enroll. SDG&E advertised with the following radio stations:

RADIO		
<u>Language/Station</u>	<u>Est. Audience</u>	<u>Area Served</u>
<u>Spanish</u>		
XHTY-FM	105,000	San Diego County
XLTN-FM	80,000	San Diego County
KLQV-FM	100,000	San Diego County
KLNV-FM	168,800	San Diego County
<u>Vietnamese</u>		
Radio TNT San Diego	13,000	San Diego County

Community Events

- Distributed collateral and enrolled customers at five “Cable Converter Box” events held at four different Cox Communications retail stores. The cable industry is gearing up to convert all televisions to digital in 2009. Typically, digital conversions have a greater impact on low-income audiences due to the expenses related to digital television equipment and services.

Regulatory Compliance and Oversight, Measurement and Evaluation Activities

Regulatory Compliance and Oversight

During 2008, SDG&E's LIEE program complied with Public Utilities Code (PU Code) Sections 327 and 381.5. 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 (DCSD) Low Income Home Energy Assistance Program (LIHEAP) weatherization program.

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. In addition, Section 2790 provides that the Commission will determine whether the measures are feasible, taking into consideration both cost-effectiveness of the measures as a whole and the policy of reducing energy-related hardships facing low income households. SDG&E's LIEE program installed all feasible program measures in all the homes served during PY2008. 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.

In D.06-12-038, the Commission directed the utilities to collaborate with the Energy Division to revise low income program reporting requirements, conduct public meetings every 90 days to facilitate program improvements, and to include a discussion of the benefits of energy efficiency programs in energy education materials for reducing greenhouse gases and promoting water conservation. In addition, D.06-12-038 directed SDG&E to competitively bid its LIEE program administration.

In D.07-12-051, the Commission directed the investor-owned utilities⁸ (IOUs) to file a statewide strategic long-term plan that includes a plan to achieve the LIEE programmatic initiatives adopted in D.07-12-051 and consistent with D.07-10-032.

⁸ The IOUs consist of Pacific Gas and Electric Company (PG&E), San Diego Gas & Electric Company (SDG&E), Southern California Edison Company (SCE), and Southern California Gas Company (SoCalGas).

D.07-12-051 also directed the utilities to file 2009 through 2011 low income program applications for the LIEE and CARE programs no later than May 15, 2008. Further D.07-12-051 instructed the utilities to incorporate the following guidelines into their low income program and budget applications:

- Propose a portfolio that identifies the benefit-cost ratio for each program and a justification for each program that is not cost-effective, as required in D.02-08-034 and according to the Commission's cost-effectiveness methodology;
- Be designed to achieve over the three-year budget period approximately 1/4th of the programmatic initiative;
- Demonstrate that all program elements included toward the achievement of the initiative are cost-effective using the total resource test adopted in D.02-08-034;
- Propose program elements that may not be cost-effective but that serve other important policy objectives and provide justifications for each consistent with D.02-08-034;
- Present specific strategies and programs for the budget years 2009-2011 toward accomplishing the LIEE programmatic initiative that emphasizes long term and enduring energy savings, ways to leverage the resources of other entities, and ways to integrate LIEE programs with other demand-side programs, especially energy efficiency programs;
- Propose Marketing, Education & Outreach programs to promote LIEE programs and the LIEE programmatic initiative, including a program element that targets renters;
- Propose a process for automatically qualifying all tenants of public housing and tenants of Section 8 housing improving information to public housing authorities;

- Eliminate or modify the ten year “go back” rule to permit installations of new measures and technologies in all households while avoiding duplicative installations;
- Propose ways to promote program continuity and long term LIEE investments with more flexible budgeting and funding rules, consistent with the practices;
- Propose specific program participation goals in specific population sectors or segments and budgets designed to meet those goals, consistent with D.06-12-038;
- Propose methods of tracking costs for each program element and participation in each that will permit cost-benefit analysis for each program element and that are consistent for all utilities; and
- Analysis of how Assembly Bill 1109 may affect their programs and the deployment of CFLs in California.

In response to the Commission’s direction outlined above, the following results were achieved during PY2008:

LIEE Reporting Requirements

The LIEE monthly, quarterly, and annual reporting requirements were finalized by the Energy Division in 2007 to report program activities for PY2007 and PY2008. During 2008, SDG&E filed its monthly and quarterly reports to reflect its LIEE program activities in accordance with the final reporting requirements established by the Energy Division. In addition, this Annual Report is being filed in accordance to those reporting requirements established by the Energy Division.

Statewide Strategic Long-Term Plan

On June 2, 2008, the IOUs filed a joint statewide strategic long-term plan that included a plan to achieve the LIEE programmatic initiatives adopted in D.07-12-051

and consistent with D.07-10-032. The Commission published its final Strategic Plan for California in September 2008.⁹

2009 – 2011 Low Income Program and Budget Application

In compliance with D.07-12-051, SDG&E filed Application (A.) 08-05-024 on May 15, 2008 to request approval of its LIEE program plans and funding for PY2009, PY2010, and PY2011. In its Application, SDG&E presented proposed modifications to its LIEE program which is designed to meet the Commission's key policy objectives of making LIEE a reliable energy resource and accomplishing the programmatic initiative of reaching 25% of all willing and eligible households in PY2009-PY2011. SDG&E's A.08-05-024 was approved by the Commission in D.08-11-031 issued on November 6, 2008.

D.08-11-031 directed post-decision action in 2008, amongst other things, for the utilities 2009-2011 LIEE program cycle. Specifically, D.08-11-031 directed the utilities to forecast the LIEE program "add back" measures that fall below the 0.25 cost effectiveness threshold test for the 2009 through 2011 program cycle, expand upon the program studies and pilots filed in its application, and revise the Statewide LIEE Policy and Procedures (P&P) Manual in accordance with the decision. In response to D.08-11-031, SDG&E 1) filed its "add back" measures with the Commission on December 8, 2008; 2) expanded on its LIEE program studies and pilots and filed an Advice Letter on January 5, 2009; and 3) SDG&E has been working jointly with the IOUs, Energy Division, and interested parties in A.08-05-022 et al to revise the LIEE P&P Manual in accordance with D.06-12-038 and D.08-11-031.

Quarterly Public Meetings

In D.06-12-038, the Commission directed the IOUs to sponsor quarterly public meetings to allow interested parties to share ideas and information that could facilitate improvements to the program elements, processes, and practices. During PY2008, the utilities jointly sponsored a meeting in each utilities respective service territory. The

⁹ California Long Term Energy Efficiency Strategic Plan published September 2008.

meeting notes were distributed to the members of the Low Income Oversight Board, attendees at the meeting, Energy Division staff, and any other parties requesting the meeting notes. The meetings were held on the following dates:

PG&E Service Territory:	Discuss LIEE and CARE Programs – February 20, 2008
SoCalGas Service Territory:	Discuss LIEE and CARE Programs – May 20, 2008
SDG&E Service Territory:	Discuss LIEE and CARE Programs – August 13, 2008
SCE Service Territory:	Discuss LIEE and CARE Programs – November 6, 2008

Energy Education

SDG&E continues to distribute collateral to and educate customers about the benefits of energy efficiency in an effort to reduce greenhouse gases and promote water conservation. This information includes simple steps customers can take to make their homes more energy efficient and ways to reduce water usage. In addition, SDG&E informs customers about the importance and impact of exchanging incandescent light bulbs for energy-saving CFLs to help lower annual lighting costs while also helping to reduce pollution. Information on how to safely dispose of CFLs to minimize harm to the customer and the environment is also included as part of the energy education.

Competitive Bid

D.06-12-038 directed SDG&E to conduct a competitive bid process for the administration of its LIEE program beginning in 2008. In compliance with D.06-12-038, SDG&E submitted its plans for conducting a competitive bid to the Commission's Energy Division on March 30, 2007. SDG&E filed a Petition for Modification (PFM) of D.06-12-038 on April 10, 2008 to request authorization to suspend the competitive bid process and allow SDG&E to retain RHA its prime contractor as the administrator until the end of 2008. The Commission issued D.07-06-004 which, among other things, granted SDG&E's PFM and directed SDG&E to present a plan to the Commission's Energy Division no later than March 30, 2008 for conducting a competitive bid process and it also granted SDG&E's request to retain RHA as the administrator until December 31, 2008. Subsequently, SDG&E elected to administer its LIEE program beginning in 2009 in lieu of it being conducted by a third party.

Measurement and Evaluation (M&E) Activities

Energy Savings Methods Used for PY2008

In Ordering Paragraph 9 of D.05-12-026, the Commission, without adopting or approving the results, authorized the use of the Impact Evaluation of the 2001 Statewide Low Income Energy Efficiency Program for calculating the energy savings for the LIEE program activities on a case by case basis until the Commission can address and resolve Low Income Energy Efficiency-related issues in the 2006 Annual Earnings Assessment Proceeding. To determine the energy savings for PY2008, SDG&E has utilized several measurement and evaluation methods adopted by the Commission to calculate the measure savings. SDG&E has used the 2001 LIEE Load Impact study measure evaluation data, the LIEE measure cost effectiveness study, the database for energy efficiency resources (DEER), and the measure assessment conducted by the LIEE Statewide Standardization Project Team.¹⁰

Other Program-Related Survey and Research

SDG&E conducts quarterly customer satisfaction surveys to gain customer feedback on various aspects of their experience with the LIEE program. Customers are asked to rate areas such as the enrollment process, installations, and inspections. Results from the survey are then used to measure and improve customer satisfaction and processes. SDG&E continued to conduct classroom training with contractors and field personnel to review the survey results and reinforce the importance of excellent service. Strategies and tips on how to improve satisfaction ratings are also discussed by sharing specific comments from customers and identifying areas for improvement.

The LIEE program continued to receive high ratings from program participants. Overall satisfaction with SDG&E's LIEE services remained high, both on a quarterly and annual basis. On a 10-point scale (10 being the highest score), 92% of customers rated the service they received as an 8, 9 or 10. Customers were pleased with both the

¹⁰ . The 2007 LIEE energy savings are based on the following: 1) 2001 Low Income Impact Evaluation Study; 2) D.03-11-020 approved the "LIEE Measure Cost Effectiveness Study" conducted by Itron, Inc. filed on June 2, 2003 for new measure mix effective 1/1/04; 3) D.05-12-026 approved the " Report on the Assessment of Proposed New Year 2006 LIEE Program Measures" conducted by Itron, Inc. filed on May 2, 2005; and 4) the DEER.

quality of the work and the demeanor of the service personnel. Most customers are “more comfortable” as a result of the repairs/installations. In addition, customer satisfaction increased by two points from 2007 to 2008 (90% to 92%), which is the highest rating since the study’s inception in 2002.

In addition to the quarterly surveys, SDG&E also conducted focus groups with its Outreach and Assessment Contractor’s Energy Specialists (ES) to solicit feedback on concerns or challenges they may be experiencing first hand from customers. Findings from the ES focus groups resulted in program collateral improvements, including the addition of clearer and more valuable information.

LIEE Program Name and Tagline Research

In response to Commission direction in D.07-12-051, the joint IOUs conducted focus groups in various areas of each utility’s service territory to help establish a single LIEE program name and tagline for the LIEE program. Focus groups participants were asked to evaluate a list of names and program descriptor allowing utilities to gauge their reactions to potential names/descriptions for the program. The objectives of the focus groups also included:

- Identifying the energy saving methods customers are currently using (aside from those in the programs presently sponsored by their utility);
- Probing awareness and understanding of the LIEE program; and
- Gaining insight on customer impressions of the LIEE program.

On July 1, 2008, SDG&E (as well as the other IOUs) submitted at response to an assigned Commissioner’s Ruling dated June 13, 2008. In its response, among other things, SDG&E recommended the following as the new program name and tagline:

Name: Energy Savings Assistance Program

Tagline: A no-cost energy savings program for qualified renters and homeowners.

In D.08-11-031, the Commission addressed the Joint Utilities’ July 1, 2008 filing and because it plans to engage marketing professionals and others to develop the statewide

ME&O program the Commission determined that it is premature to decide whether the IOUs proposal is acceptable.

Further in D.08-11-031, the Commission directs the IOUs to stay abreast of developments on the ME&O program as part of the general Energy Efficiency proceeding.

CBO, Leveraging and Access to Community Services

In D.01-05-033, the Commission directed utility program administrators to use the funding authorized for LIEE and appliance replacements to leverage the programs provided through DCSD's network of community-based organizations to customers within their service territories. Per D.01-05-033, the utilities could conduct leveraging with the following three approaches:

- “The utility can purchase equipment and appliances in bulk and have a LIHEAP provider install them in eligible low income homes within the utility service territory, along with additional weatherization measures provided by LIHEAP.”
- “The utility can contract directly with a LIHEAP provider to deliver the LIEE program, so that LIHEAP provider can use funds from both LIEE and LIHEAP to provide a comprehensive set of services.”
- “The utility can enter into a memorandum of understanding with LIHEAP providers to complete units in a coordinated manner, using LIEE contractors to install measures not provided under LIHEAP.”

In an effort to ensure that the network of community-based providers are fully and effectively utilized, D.01-05-033 also directed the utilities to also use LIEE funds to leverage low income weatherization services provided by non-LIHEAP community service providers, under certain circumstances.

D.01-05-033 states:

“[I]f there are no LIHEAP providers or non-LIHEAP community-based organizations that can, or are willing to, provide weatherization services in a particular geographic area, then utilities also have the option to

implement today's rapid deployment strategy with other types of service providers, including private contractors. We provide the utilities considerable flexibility in deciding of the three approaches, and in what combination, to employ. In this way, a utility can develop the leveraging strategy that is most compatible with its existing delivery system.

The leveraging approach we adopt today will require a shift in thinking within the utility program infrastructure. Instead of considering the LIEE program as a stand-alone activity that provides referrals to DCSD programs, utility administrators and their contractors also need to view the LIEE program as a leveraging vehicle to rapidly expand and enhance the delivery system in place through DCSD's network of LIHEAP providers. We believe that this shift in thinking is warranted by the dire situation facing low income customers during the energy crisis, and needed to ensure the efficient and effective deployment of all of the State's resources appropriated for this purpose."¹¹

In accordance with the above provisions set forth in D.01-05-033 to deploy a leveraging vehicle to expand and enhance the delivery system of the LIEE program, SDG&E has utilized a variety of the leveraging scenarios described by the Commission.

In 2008, SDG&E used the following leveraging efforts to service low income customers:

CBO Participation

SDG&E contracted RHA to market and manage field services under its LIEE program. In PY2008, RHA subcontracted two CBO's: (1) Campesinos Unidos, Inc. (CUI) and (2) Metropolitan Area Advisory Committee (MAAC) and three private

¹¹ D.01-05-033 at page 5 and see Conclusions of Law 4 through 7.

companies: (1) Capital State Construction, (2) Rancho Energy Services Co. (RESCO), and (3) American Insulation to provide weatherization services.

RHA also subcontracted with seven licensed HVAC contractors to provide natural gas furnace repair and replacement services offered through the program. The HVAC subcontractors participating in PY2008 included: (1) Ameri-Mex, (2) ARS of San Diego, (3) DM Mechanical, (4) Jerry's Heating & Air Conditioning, (5) Lloyd's Plumbing, (6) South Bay Mechanical, and (7) Tierrasanta Heating & Air Conditioning (Table 5 reflects the level of participation by contractor type).

Leveraging

California LIHEAP Block Grant weatherization and bill assistance efforts are funded by the Federal Department of Health & Human Services (DHHS) and provides the following types of services through the DCSD:

- Financial Assistance to offset the costs of heating and/or cooling dwellings;
- Weatherization measures to improve the energy efficiency of the dwelling;
- Education to assist the customer in identifying conservation opportunities; and
- Appliance replacement primary range/oven and installation of microwaves and ceiling fans.

CBOs are eligible to apply for federal funding to install weatherization measures under the LIHEAP Block Grant Program. In SDG&E's service territory CUI, MAAC and Community Partnership of Orange County (CAPOC) participated in the LIHEAP program and leveraged work with SDG&E's LIEE program as appropriate.

Access to Other Low Income Services

SDG&E continued to utilize its existing LIEE referral systems to assess the needs of low income customers participating in the LIEE program, and refer them to the appropriate CBO and other community agencies. RHA and their subcontractors continue to identify both the energy and non-energy needs of the low income customer. Their field personnel are trained to look for opportunities to make referrals to utility programs, state energy programs, and community agencies throughout the initial

screening and assessment, application process, energy education and installation of weatherization measures and appliances. The types of non-energy services provided by community agencies in SDG&E's LIEE program include:

- Emergency Food & clothing
- Shelter & Housing
- Employment counseling
- Job Training
- Cultural Activities
- High School equivalency, English as a second language and math instruction
- Disaster Relief Information
- Translation Services
- Health Services
- Bill payment assistance

Local Government and Community Partnerships

In 2008, SDG&E's Regional Public Affairs (RPA) team reached out to several cities in San Diego County. Joint meetings were held with RPA, LIEE and city representatives from Poway, San Marcos, Escondido and Chula Vista to identify opportunities to work together to promote SDG&E Customer Assistance programs within these cities. Each of the cities increased their outreach efforts in 2008, either through their re-development departments or through SDG&E Energy Efficiency Partnership programs. These partnerships worked well because more residents of these cities were qualified for Customer Assistance programs due to the declining economic conditions. These partnerships will continue to be developed in 2009, as we anticipate even more customers will need help due to the current recession.

Community Partnerships continue to be an important part of the outreach strategy for the LIEE Program. These partners are serving the same communities that LIEE needs to reach and through this joint effort hard-to-reach customers are being brought into the programs.

	A	B	C	D	E	F	G	H	I	J
1	Table 1									
	LIEE Program Expenses - San Diego Gas & Electric Company - PY 2008									
2		Authorized Budget			Annual Expenditures			% of Budget Spent		
3	LIEE Program:	Electric	Gas	Elec & Gas	Electric	Gas	Elec & Gas	Electric	Gas	Elec & Gas
4	Energy Efficiency									
5	- Gas Appliances		\$ 1,597,843	\$ 1,597,843		\$ 1,274,541	\$ 1,274,541		80%	80%
6	- Electric Appliances	\$ 4,775,778		\$ 4,775,778	\$ 5,597,883		\$ 5,597,883	117%		117%
7	- Weatherization		\$ 3,904,358	\$ 3,904,358		\$ 5,114,461	\$ 5,114,461		131%	131%
8	- Outreach and Assessment	\$ 600,059	\$ 600,058	\$ 1,200,117	\$ 1,147,154	\$ 1,147,154	\$ 2,294,308	191%	191%	191%
9	- In Home Energy Education	\$ 77,951	\$ 77,951	\$ 155,902	\$ 134,324	\$ 134,324	\$ 268,648	172%	172%	172%
10	- Education Workshops	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
11	- Pilot			\$ -			\$ -			
12	- Cool Centers			\$ -			\$ -			
13	Energy Efficiency TOTAL	\$ 5,453,788	\$ 6,180,210	\$ 11,633,998	\$ 6,879,361	\$ 7,670,481	\$ 14,549,842	126%	124%	125%
14										
15	Training Center			\$ -			\$ -			
16	Inspections	\$ 21,458	\$ 21,457	\$ 42,915	\$ 19,096	\$ 19,096	\$ 38,192	89%	89%	89%
17	Marketing	\$ 160,496	\$ 160,496	\$ 320,992	\$ 219,855	\$ 219,855	\$ 439,710	137%	137%	137%
18	M&E Studies	\$ -	\$ -	\$ -	\$ 41,063	\$ 41,063	\$ 82,126	-	-	-
19	Regulatory Compliance	\$ 150,763	\$ 150,763	\$ 301,526	\$ 113,081	\$ 113,155	\$ 226,236	75%	75%	75%
20	General Administration	\$ 491,160	\$ 491,160	\$ 982,320	\$ 531,748	\$ 531,744	\$ 1,063,492	108%	108%	108%
21	CPUC Energy Division	\$ 10,500	\$ 10,500	\$ 21,000	\$ 10,325	\$ 10,325	\$ 20,650	98%	98%	98%
22										
23	TOTAL PROGRAM COSTS	\$ 6,288,165	\$ 7,014,586	\$ 13,302,751	\$ 7,814,529	\$ 8,605,718	\$ 16,420,247	124%	123%	123%
24	Funded Outside of LIEE Program Budget									
25	Indirect Costs				\$ 336,989	\$ 344,916	\$ 681,906			
26										
27	NGAT Costs					\$ 286,232	\$ 286,232			
28										

	A	B	C	D	E	F	G
	Table 2 LIEE Installations & Savings - San Diego Gas & Electric Company - PY2008						
1							
2	Completed & Expensed Installations Year-To-Date						
3	Measures	Units	Quantity Installed	kWh (Annual)¹	kW (Annual)⁴	Therms (Annual)	Expenses
4	Furnaces						
5	- Repair - Gas	Each	1,101	0	0	28,295	\$ 668,990
6	- Replacement - Gas	Each	190	0	0	7,485	\$ 393,448
7	- Repair - Electric	Each	0	0	0	0	\$ -
8	- Replacement - Electric	Each	0	0	0	0	\$ -
10	Infiltration & Space Conditioning						
11	- Outlet cover plate gaskets	Home	15,318	23,862	22	1,528	\$ 84,504
12	- Duct Testing	Home	314	0	0	0	\$ 36,343
13	- Duct Sealing	Home	39	1,698	0	650	\$ 13,521
14	- Evaporative Coolers	Each	0	0	0	0	\$ -
15	- Evaporative Cooler Maintenance	Each	0	0	0	0	\$ -
16	- Evaporative Cooler/Air Cond. Covers	Each	160	193	0	193	\$ 9,105
17	- A/C Replacement - Room	Each	486	57,772	53	0	\$ 480,405
18	- A/C Replacement - Room (landlord)	Each	0	0	0	0	\$ -
19	- A/C Replacement - Central	Each	5	2,631	2	0	\$ 19,307
20	- A/C Replacement - Central (landlord)	Each	0	0	0	0	\$ -
21	- A/C Tune-up - Central	Each	26	5,109	5	0	\$ 2,985
22	- A/C Services - Central	Each	0	0	0	0	\$ -
23	- Heat Pump	Each	0	0	0	0	\$ -
25	Weatherization						
26	- Attic Insulation	Home	421	11,074	10	10,141	\$ 471,851
27	- Attic Access Weatherization	Home	0	0	0	0	\$ -
28	- Weatherstripping - Door	Home	15,705	87,727	80	34,570	\$ 1,629,910
29	- Caulking	Home	15,023	60,076	55	30,919	\$ 698,890
30	- Minor Home Repairs ²	Home	8,197	68,994	63	34,469	\$ 1,012,668
32	Water Heater Savings						
33	- Water Heater Blanket	Home	1,160	4,385	1	12,034	\$ 69,109
34	- Low Flow Showerhead	Home	16,094	55,271	16	116,283	\$ 1,017,817
35	- Water Heater Replacement - Gas	Each	35	0	0	665	\$ 46,885
36	- Water Heater Replacement - Electric	Each	0	0	0	0	\$ -
37	- Tankless Water Heater - Gas	Each	0	0	0	0	\$ -
38	- Tankless Water Heater - Electric	Each	0	0	0	0	\$ -
39	- Water Heater Pipe Wrap	Home	390	1,350	0	1,553	\$ 6,686
40	- Faucet Aerators	Home	16,985	21,783	6	48,132	\$ 250,435
42	Lighting Measures						
43	- CFL	Each	112,796	2,191,013	213	0	\$ 893,660
44	- Interior Hard wired CFL fixtures	Each	13,011	830,102	81	0	\$ 814,940
45	- Exterior Hard wired CFL fixtures	Each	2,403	85,501	8	0	\$ 110,566
46	- Torchiere	Each	4,588	876,308	85	0	\$ 369,543
48	Refrigerators	Each	3,277	2,412,215	368	0	\$ 2,885,317
49	Refrigerators (landlord)	Each	0	0	0	0	\$ -
51	Pool Pumps	Each	0	0	0	0	\$ -
53	Pilots						
54	- A/C Tune-up - Central	Each	0	0	0	0	\$ -
55	- Interior Hard wired Compact Fluorescent fixtures	Each	0	0	0	0	\$ -
56	- Ceiling Fans	Each	0	0	0	0	\$ -
58	Customer Enrollment						
59	- Outreach & Assessment	Home	20,650	0	0	0	\$ 2,231,268
60	- In-Home Education	Home	20,411	0	0	0	\$ 331,688
61	- Education Workshops	Participants	0	0	0	0	\$ -
63	Total Savings			6,797,063	1,069	326,918	\$ 14,549,842
65	Homes Weatherized ³	Home	17,718				
67	Homes Treated						
68	- Single Family Homes Treated	Home	7,505				
69	- Multi-family Homes Treated	Home	12,983				
70	- Mobile Homes Treated	Home	316				
71	- Total Number of Homes Treated	Home	20,804				
73	- Master-Metered Homes Treated	Home	307				
76							
78	1. Energy savings is based on 1) 2001 Low Income Impact Evaluation Study; 2) Decision 03-11-020 approved the "LIEE Measure Cost Effectiveness Study" conducted by Itron, Inc. filed on June 2, 2003 for new measure mix effective 1/1/04; 3) Decision 05-12-026 approved the "Report on the Assessment of Proposed New Year 2006 LIEE Program Measures" conducted by Itron, Inc. filed on May 2, 2005; and 4) the updated database for energy efficiency resources (DEER).						
79	2. Minor Home Repairs predominately include Door Repair/Replacement, Window Repair/Replacement and Wall Repair.						
80	3. Weatherization consists of Attic Insulation, Attic Access Weatherization, Weatherstripping - Door, Caulking and Minor Home Repairs.						
81	4. Savings assumes consistent mix of dwelling types through all years. Since kW savings were not part of the 2001 Impact Evaluation of the Statewide Low-Income Energy Efficiency Program, a ratio of kW per kWh was used based on the San Diego Gas & Electric Advice Letter 1789-E/1591-G, Attachment II Table 7: Projected savings by End Use. These factors are as follows:						
82	End Use	KW/kWh					
83	Space Cooling/Heating	0.000911356					
84	Lighting	0.000973466					
85	Refrigeration	0.000291768					
86	Water Heating	0.000291768					
87	Other	0.000969537					

	A	B	C	D	E	F
1	Table 3 Summary of LIEE Cost-Effectiveness San Diego Gas & Electric Company PY2008					
2	2008 - Recorded			2008 - Recorded		
3	Ratio of Benefits Over Costs			Net Benefits; \$ Millions		
4	Utility Cost Test	Total Resource Cost Test	Modified Participant Test	Utility Cost Test	Total Resource Cost Test	Modified Participant Test
5	0.64	0.52	0.77	(\$6,120,166)	(\$8,121,185)	(\$4,070,011)
6						
7	The Modified Participant Test (MPT) and the Utility Cost Test (UCT) include non-energy benefits (NEBs) along with energy savings in the numerator.					
8						
9	The MPT was calculated using the Low Income Public Purpose Test (LIPPT) workbook as modified for the PY2003 LIEE measure cost effectiveness testing (the NEBs model).					
10						
11	The UCT was calculated in two stages: first, the NEBs for this ratio were calculated using the NEBs model; second, the avoided cost benefits were calculated using the E3 model for energy efficiency cost effectiveness testing. The Total Resource Test (TRC) was calculated using the E3 calculator. The TRC does not include NEBs.					
12						
13	The MPT is also known as the LIPPT.					
14						
15						
16						
17						
18						
19						
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21						
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29						

	A	B	C	D
1	Table 4 LIEE Penetration - San Diego Gas & Electric Company - PY2008			
2		Homes Treated	Estimated Eligible in Current Year	Current Year Penetration Rate for Homes Treated
3	1999	10,993		
4	2000	13,660		
5	2001	19,315		
6	2002	14,089		
7	2003	15,706		
8	2004	14,897		
9	2005	11,254		
10	2006	13,771		
11	2007	13,074		
12	2008	20,804		
13	Total Homes Treated in 10 Years	147,563	345,281	43%
14				
15				
16				

	A	B	C	D	E	F	G
1	Table 5 LIEE Direct Purchase and Installation Contractors San Diego Gas & Electric Company - PY2008						
2	Contractor	County [1]	Contractor Type (Check one or more if applicable)				2008 Annual Expenditures
3			Private	CBO	WMDVBE	LIHEAP	
4	Contractor A	San Diego	x		x		\$ 1,645,954
5	Contractor C	San Diego		x			\$ 530,320
6	Contractor D	San Diego		x			\$ 669,307
7	Contractor E	Orange	x				\$ 1,468,501
8	Contractor F	San Diego	x				\$ 61,368
9	Contractor G	San Diego	x				\$ 1,410
10	Contractor H	San Diego	x		x		\$ 43,030
11	Contractor K	San Diego / Orange	x				\$ 51,813
12	Contractor L	San Diego	x				\$ 142,665
13	Contractor M	San Diego	x				\$ 38,151
14	Contractor O	San Diego	x				\$ 17,719
15	Contractor Q	San Diego	x				\$ 1,583,902
16	Contractor S	San Diego					\$ 96,528
17	Prime Contractor J	San Diego / Orange	x		x		\$ 7,882,711
18							
19							
20							
21	Total Contractor Expenditures						\$ 14,233,380
22							

Technical Appendix

	A	B	C	D	E
1	Table TA 2 Combined (Electric & Gas)				
2	LIEE Cost Elements - San Diego Gas & Electric Company - PY 2008				
3	LIEE Program:	Expenditures Recorded by Cost Element			
4		Labor	Non-Labor	Contract	Elec & Gas
4	Energy Efficiency				
5	- Gas Appliances	\$ -	\$ -	\$ 1,274,541	\$ 1,274,541
6	- Electric Appliances	\$ -	\$ 27,389	\$ 5,570,494	\$ 5,597,883
7	- Weatherization	\$ -	\$ -	\$ 5,114,461	\$ 5,114,461
8	- Outreach and Assessment	\$ 202,583	\$ 65,326	\$ 2,026,399	\$ 2,294,308
9	- In Home Energy Education	\$ 20,767	\$ 398	\$ 247,484	\$ 268,648
10	- Education Workshops	\$ -	\$ -	\$ -	\$ -
11	- Pilot	\$ -	\$ -	\$ -	\$ -
12	- Cool Centers	\$ -	\$ -	\$ -	\$ -
13	Energy Efficiency TOTAL	\$ 223,350	\$ 93,112	\$ 14,233,380	\$ 14,549,842
14					
15	Training Center	\$ -	\$ -	\$ -	\$ -
16	Inspections	\$ 37,593	\$ 599	\$ -	\$ 38,192
17	Marketing	\$ -	\$ 439,710	\$ -	\$ 439,710
18	M&E Studies	\$ -	\$ 82,126	\$ -	\$ 82,126
19	Regulatory Compliance	\$ 209,826	\$ 16,410	\$ -	\$ 226,236
20	General Administration	\$ 818,134	\$ 245,358	\$ -	\$ 1,063,492
21	CPUC Energy Division	\$ -	\$ 20,650	\$ -	\$ 20,650
22					
23	TOTAL PROGRAM COSTS	\$ 1,288,902	\$ 897,965	\$ 14,233,380	\$ 16,420,247

	A	B	C	D	E
1	Table TA 2 (Electric)				
2	LIEE Cost Elements - San Diego Gas & Electric Company - PY 2008				
3		Expenditures Recorded by Cost Element			
4	LIEE Program:	Labor	Non-Labor	Contract	Electric Total
5	Energy Efficiency				
6	- Gas Appliances	\$ -	\$ -	\$ -	\$ -
7	- Electric Appliances	\$ -	\$ 27,389	\$ 5,570,494	\$ 5,597,883
8	- Weatherization	\$ -	\$ -	\$ -	\$ -
9	- Outreach and Assessment	\$ 101,291	\$ 32,663	\$ 1,013,200	\$ 1,147,154
10	- In Home Energy Education	\$ 10,383	\$ 199	\$ 123,742	\$ 134,324
11	- Education Workshops	\$ -	\$ -	\$ -	\$ -
12	- Pilot	\$ -	\$ -	\$ -	\$ -
13	- Cool Centers	\$ -	\$ -	\$ -	\$ -
14	Energy Efficiency TOTAL	\$ 111,675	\$ 60,250	\$ 6,707,436	\$ 6,879,361
15	Training Center	\$ -	\$ -	\$ -	\$ -
16	Inspections	\$ 18,796	\$ 300	\$ -	\$ 19,096
17	Marketing	\$ -	\$ 219,855	\$ -	\$ 219,855
18	M&E Studies	\$ -	\$ 41,063	\$ -	\$ 41,063
19	Regulatory Compliance	\$ 104,913	\$ 8,168	\$ -	\$ 113,081
20	General Administration	\$ 409,069	\$ 122,679	\$ -	\$ 531,748
21	CPUC Energy Division	\$ -	\$ 10,325	\$ -	\$ 10,325
22					
23	TOTAL PROGRAM COSTS	\$ 644,453	\$ 462,640	\$ 6,707,436	\$ 7,814,529

	A	B	C	D	E
1	Table TA 2 Gas LIEE Cost Elements - San Diego Gas & Electric Company - PY 2008				
2		Expenditures Recorded by Cost Element			
3	LIEE Program:	Labor	Non-Labor	Contract	Gas Total
4	Energy Efficiency				
5	- Gas Appliances	\$ -	\$ -	\$ 1,274,541	\$ 1,274,541
6	- Electric Appliances	\$ -	\$ -	\$ -	\$ -
7	- Weatherization	\$ -	\$ -	\$ 5,114,461	\$ 5,114,461
8	- Outreach and Assessment	\$ 101,292	\$ 32,663	\$ 1,013,200	\$ 1,147,154
9	- In Home Energy Education	\$ 10,383	\$ 199	\$ 123,742	\$ 134,324
10	- Education Workshops	\$ -	\$ -	\$ -	\$ -
11	- Pilot	\$ -	\$ -	\$ -	\$ -
12	- Cool Centers	\$ -	\$ -	\$ -	\$ -
13	Energy Efficiency TOTAL	\$ 111,675	\$ 32,862	\$ 7,525,944	\$ 7,670,481
14					
15	Training Center	\$ -	\$ -	\$ -	\$ -
16	Inspections	\$ 18,796	\$ 300	\$ -	\$ 19,096
17	Marketing	\$ -	\$ 219,855	\$ -	\$ 219,855
18	M&E Studies	\$ -	\$ 41,063	\$ -	\$ 41,063
19	Regulatory Compliance	\$ 104,913	\$ 8,243	\$ -	\$ 113,155
20	General Administration	\$ 409,065	\$ 122,678	\$ -	\$ 531,744
21	CPUC Energy Division	\$ -	\$ 10,325	\$ -	\$ 10,325
22					
23	TOTAL PROGRAM COSTS	\$ 644,449	\$ 435,325	\$ 7,525,944	\$ 8,605,718

	A	B	C	D	E
1	Table TA 3				
2	Program Detail by Housing Type and Heating Source				
3	San Diego Gas & Electric Company - PY2008				
4		2008 Energy Savings		2008	2008
5		(mWh)	(mTherm)	Expenses	Dwellings
6	Gas Heat – Own				
7	Single Family	1,012	65	\$ 2,454,274	1,873
8	Multi Family	24	1	\$ 54,966	70
9	Mobile Homes	119	5	\$ 342,664	240
10	Sub Total Dwellings Served	1,155	71	\$ 2,851,904	2,183
11	Gas Heat – Rent				
12	Single Family	1,946	111	\$ 4,045,117	4,448
13	Multi Family	1,054	71	\$ 2,664,648	4,792
14	Mobile Homes	25	1	\$ 43,396	43
15	Sub Total Dwellings Served	3,025	183	\$ 6,753,160	9,283
16	Electric Heat – Own				
17	Single Family	104	1	\$ 167,935	159
18	Multi Family	49	1	\$ 81,451	111
19	Mobile Homes	2	0	\$ 4,756	4
20	Sub Total Dwellings Served	156	2	\$ 254,142	274
21	Electric Heat – Rent				
22	Single Family	306	6	\$ 510,334	713
23	Multi Family	1,845	58	\$ 3,916,202	7,959
24	Mobile Homes	7	0	\$ 12,224	17
25	Sub Total Dwellings Served	2,158	64	\$ 4,438,760	8,689
26					
27					
28	TOTAL DWELLINGS SERVED	6,494	320	\$ 14,297,967	20,429
29					
30					
31	Represents homes that have space heating.				
32	Gas Heat includes Propane.				
33	Vacant homes are included in the "Rent" category.				
34					

	A	B	C	D	E	F
1	Table TA 4 LIFECYCLE BILL SAVINGS - San Diego Gas & Electric Company - PY2008					
2	Measure Description	2008 Number Installed	Per Measure Electric Impact - Average (kWh)	Per Measure Gas Impact (Therms)	Effective Useful Life (EUL)	2008 Total Measure Lifecycle Bill Savings
3	Furnaces					
4	- Repair - Gas	1,101	-	23.1	10	\$ 214,732
5	- Replacement - Gas	190	-	35.5	22	\$ 96,824
6	- Repair - Electric	-	-	-	-	\$ -
7	- Replacement - Electric	-	-	-	-	\$ -
8						
9	Infiltration & Space Conditioning.					
10	- Gaskets for Cover Plates	15,318	3.2	0.2	15	\$ 47,745
11	- Duct Testing	314	-	-	-	\$ -
12	- Duct Sealing	39	348.9	17.1	25	\$ 13,026
13	- Evaporative Coolers	-	-	-	-	\$ -
14	- Evaporative Cooler/Air Cond. Covers	160	1.8	3.8	3	\$ 640
15	- Evaporative Cooler Maintenance	-	-	-	-	\$ -
16	- A/C Replacement - Room	486	118.9	0.0	15	\$ 75,557
17	- A/C Replacement - Room (landlord)	-	-	-	-	\$ -
18	- A/C Replacement - Central	5	526.2	0.0	18	\$ 3,875
19	- A/C Replacement - Central (landlord)	-	-	-	-	\$ -
20	- A/C Tune-up - Central	26	196.5	0.0	10	\$ 4,971
21	- A/C Services - Central	-	-	-	-	\$ -
22	- Heat Pump	-	-	-	-	\$ -
23						
24	Weatherization					
25	- Attic Insulation	421	176.8	26.0	25	\$ 175,748
26	- Attic Access Weatherization	-	-	-	-	\$ -
27	- Weatherstripping - Door	15,705	11.8	3.9	5	\$ 211,294
28	- Caulking	15,023	8.3	3.6	5	\$ 178,951
29	- Minor Home Repairs	8,197	22.5	5.9	10	\$ 357,777
30						
31	Water Heater Savings					
32	- Water Heater Blanket	1,160	115.4	19.0	5	\$ 59,286
33	- Low Flow Showerhead	16,094	77.0	7.6	10	\$ 1,034,290
34	- Water Heater Replacement - Gas	35	-	11.5	13	\$ 4,135
35	- Water Heater Replacement - Electric	-	-	-	-	\$ -
36	- Tankless Water Heater - Gas	-	-	-	-	\$ -
37	- Tankless Water Heater - Electric	-	-	-	-	\$ -
38	- Water Heater Pipe Wrap	390	40.9	4.4	15	\$ 19,370
39	- Faucet Aerators	16,985	30.9	3.0	5	\$ 239,439
40						
41	Lighting Measures					
42	- CFL	112,796	19.4	0.0	8	\$ 1,784,284
43	- Interior Hard wired CFL fixtures	13,011	63.80	0.0	16	\$ 1,133,553
44	- Exterior Hard wired CFL fixtures	2,403	35.6	0.0	20	\$ 134,257
45	- Torchiere	4,588	191.0	0.0	9	\$ 784,809
46						
47	Refrigerators	3,277	736.1	0.0	15	\$ 3,154,783
48	Refrigerators (landlord)	-	-	-	-	\$ -
49						
50	Total Lifecycle Bill Savings for All Measures in Program Year					\$ 9,729,345
51	Total Homes Served By the Program					20,804
52	Lifecycle Bill Savings Per Home					\$ 468

	A	B	C
1	Table TA 5 Energy Rates Used For Bill Savings Calculations San Diego Gas & Electric Company - PY2008		
2	Year	\$/kWh	\$/Therm
3	2008	0.12	1.04
4	2009	0.12	1.07
5	2010	0.13	1.10
6	2011	0.13	1.14
7	2012	0.14	1.17
8	2013	0.14	1.21
9	2014	0.14	1.24
10	2015	0.15	1.28
11	2016	0.15	1.32
12	2017	0.16	1.36
13	2018	0.16	1.40
14	2019	0.17	1.44
15	2020	0.17	1.48
16	2021	0.18	1.53
17	2022	0.18	1.57
18	2023	0.19	1.62
19	2024	0.19	1.67
20	2025	0.20	1.72
21	2026	0.20	1.77
22	2027	0.21	1.82
23	2028	0.22	1.88
24	2029	0.22	1.93
25	2030	0.23	1.99
26	2031	0.24	2.05
27	2032	0.24	2.05
28			
29	Energy rate used is based on an initial rate in 2008 of \$0.12 per kWh and \$1.04 per therm and		
30	escalated thereafter by 3% per year.		
31			
32			
33			

	A	B	C	D	E
1	<p>Table TA 6 Bill Savings - San Diego Gas & Electric Company - PY2008</p>				
2	Program Year	Program Costs	Program Lifecycle Bill Savings	Program Bill Savings/ Cost Ratio	Per Home Average Lifecycle Bill Savings
3	2006	\$ 14,435,838	\$ 9,212,340	0.64	\$ 669
4	2007	\$ 11,983,364	\$ 6,631,660	0.55	\$ 507
5	2008	\$ 16,420,247	\$ 8,908,748	0.54	\$ 468
6					
7					