

# **ATTACHMENT 3**

## **PROGRAM DESCRIPTIONS**

## LOCAL ENERGY EFFICIENCY PROGRAMS

### Alliance To Save Energy – No. 142-02

<b>PROGRAM TITLE:</b>	Green Schools, Green Communities
<b>PROGRAM IMPLEMENTER(S):</b>	Alliance To Save Energy
<b>SUBCONTRACTOR(S):</b>	Strategic Energy Innovations
<b>IOU SERVICE TERRITORY:</b>	Pacific Gas and Electric (PG&E), Southern California Edison (SCE)
<b>GEOGRAPHIC AREA:</b>	SCE - high desert area, the San Joaquin Valley such as Bakersfield, and/or a low-income area such as Compton. PG&E - Area around Chico or urban area such as East Palo Alto
<b>TARGET MARKET:</b>	Non-Residential, targeting HTR low-income schools and administrators, teachers, custodians and students
<b>IOU CONTRACT ADMINISTRATORS:</b>	SCE
<b>BUDGET APPROVED</b>	\$1,314,286
<b>PG&amp;E</b>	\$ 438,096
<b>SCE</b>	\$ 876,190

#### PROGRAM DESCRIPTION:

This educational program focuses on saving energy in schools and helping students understand the link between energy and the environment through behavior modification, operational changes, and retrofits in school buildings. The program will involve 45 schools in up to 9 school districts in three geographic areas of SCE and PG&E. The school districts in the program participate in developing a baseline of energy use and commit to returning 50 percent of the resulting savings back to the individual schools. The program is comprehensive and is run by students, faculty, custodians and administrators working together to develop an implementation plan that supports their unique educational needs and priorities. The program targets hard-to-reach and underserved areas where customers do not traditionally participate in energy efficiency programs.

## California State and Consumer Services Agency (SCSA) – No. 177-02\*

<b>PROGRAM TITLE:</b>	Local K-12 Schools Energy Efficiency Program
<b>PROGRAM IMPLEMENTER(S):</b>	California State and Consumer Services Agency (SCSA)
<b>SUBCONTRACTOR(S):</b>	
<b>IOU SERVICE TERRITORY:</b>	Pacific Gas & Electric Company (PG&E)
<b>GEOGRAPHIC AREA:</b>	Central Valley region
<b>TARGET MARKET:</b>	Nonresidential information/education/marketing (renovation and remodeling); K-12 school districts
<b>IOU CONTRACT ADMINISTRATOR:</b>	PG&E
<b>BUDGET APPROVED Total</b>	\$4,452,827 (revised)
	\$2,965,476*
<b>Additional funding</b>	<b>\$1,487,351</b>

\* Originally approved in D.02-05-046.

### PROGRAM DESCRIPTION:

This program provides expertise and resources to assist school districts in implementing energy efficient retrofits and energy education. The program offers (1) energy efficiency retrofit guidance and operations training for district facility and maintenance personnel; (2) assistance in incorporating energy efficiency curriculum and learning activities into the district curricula; (3) Web-based tools for learning about energy efficient project planning and implementation, and accessing a bulk procurement mechanism. In addition, the program incorporates regional activities such as workshops and technology demonstration projects to benefit multiple school districts. The program is an expansion of SCSA's energy education model currently implemented in five school districts in the Central Valley and offers another approach that complements other schools programs within the PG&E service area being funded for 2002. The program features strong synergies with other statewide programs such as Express Efficiency and Standard Performance Contract.

### PROGRAM MODIFICATIONS:

With the additional funding awarded to this program, SCSA should provide a detailed breakdown of the approved budget and submit revised Program Implementation Plans as set forth in this decision. SCSA should provide a complete itemization of its budget in accordance with the various tasks and activities proposed under the program. Given that subcontractors would undertake most of the work under the program, SCSA's labor costs should be limited to no more that 2.5% of the program budget. Given the budget reduction for the program, we also require SCSA to identify in its Program

Implementation plans revised performance targets commensurate with the lower budget.

## Center for Irrigation Technology, CSU Fresno – No. 230-02\*

<b>PROGRAM TITLE:</b>	Agriculture Pumping Efficiency Program
<b>PROGRAM IMPLEMENTER(S):</b>	Center for Irrigation Technology, CSU Fresno
<b>SUBCONTRACTOR(S):</b>	None specified
<b>IOU SERVICE TERRITORY:</b>	San Diego Gas & Electric Company (SDG&E) Southern California Gas Company (SCG), Southern California Edison Company (SCE), Pacific Gas & Electric Company *(PG&E)
<b>GEOGRAPHIC AREA:</b>	Service Territories of SDG&E, SCG, PG&E and SCE
<b>TARGET MARKET:</b>	Rural Areas (Nonresidential: agriculture)
<b>IOU CONTRACT ADMINISTRATOR:</b>	PG&E
<b>BUDGET APPROVED Total</b>	\$6,417,006 (revised)
<b>PG&amp;E</b>	\$3,333,333*
<b>Additional PG&amp;E funding</b>	<b>\$1,487,351</b>
<b>Total PG&amp;E funding</b>	\$4,820,684 (revised)
<b>SDG&amp;E</b>	\$ 323,046*
<b>SCG</b>	\$ 593,483*
<b>SCE</b>	\$ 679,793*

*\* Originally approved in D.02-05-046.*

### PROGRAM DESCRIPTION:

This incentive-based program will build upon the achievements of the SBX1 5 “Agricultural Peak Demand Reduction” program. Attention to energy efficiency by the agricultural industry in pumping system selection, maintenance and operation will be the objective. The strategies involved will include the following: education, technical assistance and incentives for equipment testing, repair and retrofitting.

### PROGRAM MODIFICATIONS:

The proposed contribution to the CSU Fresno Foundation is declined and should be directed toward program implementation. With the additional funding awarded to this program, CSU Fresno should provide a detailed breakdown of the approved budget and submit revised Program Implementation Plans as set forth in this decision.

## **Energx Controls Inc. – No. 208-02**

<b>PROGRAM TITLE:</b>	<b>Local Small Commercial Energy Efficiency and Market Transformation Program</b>
<b>PROGRAM IMPLEMENTER(S):</b>	Energx Controls Inc.
<b>SUBCONTRACTOR(S):</b>	Debin-Aire
<b>IOU SERVICE TERRITORY:</b>	Southern California Gas Company (SCG)
<b>GEOGRAPHIC AREA:</b>	Los Angeles and Orange County, parts of San Bernardino, Riverside and Ventura counties
<b>TARGET MARKET:</b>	Non residential, small comprehensive retrofit
<b>IOU CONTRACT ADMINISTRATOR:</b>	SCG
<b>BUDGET APPROVED</b>	\$1,142,857

### **PROGRAM DESCRIPTION:**

This gas incentive program targets hard-to-reach small commercial markets (laundromats, restaurants, hotels, fabricators, fast food chain restaurants, small healthcare facilities, and schools) that use steam boilers. This program has (a) an early replacement component, under which customers will be encouraged with cash incentives to replace their existing equipment with 84% efficiency boilers, and (b) market transformation component, which provides customers with higher incentives to install 94% efficiency condensing boilers and water heaters. Existing utilities' programs do not focus on the higher efficiency boilers in the market.

### **PROGRAM MODIFICATIONS:**

We require Energyx Controls, Inc. to hire an independent evaluation/measurement /verification contractor.

## EnSave Energy Performance, Inc. – No. 243-02

<b>PROGRAM TITLE:</b>	California Variable Speed Drive Farm Program
<b>PROGRAM IMPLEMENTER(S):</b>	EnSave Energy Performance, Inc.
<b>SUBCONTRACTOR(S):</b>	
<b>IOU SERVICE TERRITORY:</b>	Pacific Gas & Electric Company (PG&E), Southern California Edison Company (SCE), San Diego Gas & Electric Company (SDG&E)
<b>GEOGRAPHIC AREA:</b>	34 counties in California
<b>TARGET MARKET:</b>	Non-residential: retrofit, motor turnover, agricultural, dairy farms
<b>IOU CONTRACT ADMINISTRATOR:</b>	PG&E
<b>BUDGET APPROVED:</b>	\$484,977
<b>PG&amp;E:</b>	\$399,621
<b>SCE:</b>	\$ 71,291
<b>SDG&amp;E:</b>	\$ 14,065

### PROGRAM DESCRIPTION

This program provides information and an incentive to install variable speed drives (VSD) for milking vacuum pumps to dairy farms in three IOU territories in California. The VSD will measure the actual vacuum needed during milking and raise and lower the motor's speed to provide only the actual vacuum needed, thus saving energy and it is a program with a large portion of the budget going to end users.

### PROGRAM MODIFICATIONS:

We require that a third party perform measurement and verification of the program.

## Geothermal Heat Pump Consortium (GHPC) – No. 130-02

<b>PROGRAM TITLE:</b>	A Proposal to Promote Geoexchange to Southern California Edison's (SCE) Commercial and Educational Customer
<b>PROGRAM IMPLEMENTER(S):</b>	Geothermal Heat Pump Consortium (GHPC)
<b>SUBCONTRACTOR(S):</b>	GREEN INQ Assn. for Efficient Environmental Energy Systems California Coalition for Adequate Housing MAM Consulting Hamilton Consulting
<b>IOU SERVICE TERRITORY:</b>	SCE
<b>GEOGRAPHIC AREA:</b>	SCE service area
<b>TARGET MARKET:</b>	Non-Residential, targeting low-income schools for retrofits and new school construction, infrastructure building and education of Geoexchange technology to non-residential and commercial sector
<b>IOU CONTRACT ADMINISTRATOR:</b>	SCE
<b>BUDGET APPROVED</b>	\$1,287,531

### PROGRAM DESCRIPTION:

This is an information, education and incentive program. Geoexchange is an environmentally friendly technology that relies on natural thermal energy stored in the ground for heating and cooling and replaces conventional fuel burning or electric heating, ventilation, air conditioning systems. The program will target three segments: Commercial New Construction, Non-Residential Renovation & Remodeling, and Residential New Construction. The program provides incentive to underserved and hard-to-reach schools when they install geoexchange systems. Geoexchange has been successfully instituted in more than 650 U.S. schools located in 40 states and has reduced energy consumption from 25% to 50% compared to traditional heating and cooling systems.

## Global Energy Services – No. 278-02\*

<b>PROGRAM TITLE:</b>	Chinese Language Efficiency Outreach
<b>PROGRAM IMPLEMENTER(S):</b>	Global Energy Services
<b>SUBCONTRACTOR(S):</b>	ASW Engineering
<b>IOU SERVICE TERRITORY:</b>	Pacific Gas & Electric Company (PG&E) Southern California Edison Company (SCE)* Southern California Gas Company (SCG)*
<b>GEOGRAPHIC AREA:</b>	Los Angeles Co. (Alhambra, Monterey Park, San Gabriel, Rowland Heights, El Monte, etc.) and the City of San Francisco
<b>TARGET MARKET:</b>	Cross cutting: Chinese-speaking hard-to-reach customers
<b>IOU CONTRACT ADMINISTRATOR:</b>	SCE
<b>BUDGET APPROVED Total</b>	\$703,752 (revised)
<b>Additional funding PG&amp;E</b>	<b>\$345,666</b>
<b>SCE</b>	\$279,913*
<b>SCG</b>	\$ 78,173*

\* *Originally approved in D.02-05-046.*

### PROGRAM DESCRIPTION:

This cross cutting information/outreach/education program targets hard-to-reach low-income Chinese speakers in LA County and the City of San Francisco. In addition to alerting the community to issues of energy efficiency, an important goal of this program is to enlist residential and small commercial customers for an energy audit. This program identifies and reaches out to a specific demographic group using a multi-media blitz to kick start an effort to introduce this group both to energy related concerns as well as to existing efficiency opportunities not well utilized by this group. Global Energy Services has teamed up with local Chinese organizations and will draw on the skills of several well-positioned individuals to conduct the outreach efforts.

### PROGRAM MODIFICATIONS:

In D.02-05-046, the Commission approved this program only for the SCE service area. With the additional funding awarded in this decision, the program is expanded to the PG&E area as originally proposed. Global Energy Services should provide a detailed breakdown of the approved budget and submit revised Program Implementation Plans as set forth in this decision.

## Portland Energy Conservation, Inc. (PECI) – No. 237-02

<b>PROGRAM TITLE:</b>	Proposal for Delivering Energy Efficiency Services to Local Independent Grocery Sector
<b>PROGRAM IMPLEMENTER(S):</b>	Portland Energy Conservation, Inc. (PECI)
<b>SUBCONTRACTOR(S):</b>	Architectural Energy Corp., RLW Analytics, Inc., CTG Energetics, Inc.
<b>IOU SERVICE TERRITORY:</b>	Pacific Gas & Electric Company (PG&E) Southern California Edison Company (SCE), San Diego Gas & Electric Company (SDG&E)
<b>GEOGRAPHIC AREA:</b>	
<b>TARGET MARKET:</b>	Small and medium non-residential customers: independent grocers with average size of 20,000 square feet and average usage per square foot of 55 kWh.
<b>IOU CONTRACT ADMINISTRATOR:</b>	SDG&E
<b>BUDGET APPROVED</b>	\$3,838,485
<b>PG&amp;E</b>	\$1,830,957
<b>SCE</b>	\$1,408,724
<b>SDG&amp;E</b>	\$ 598,804

### PROGRAM DESCRIPTION:

This cross cutting program partners with grocery wholesalers to provide energy saving information, technical assistance and financial incentive for independent grocers to purchase and install energy efficient lighting, heating, ventilation, air conditioning, and refrigeration systems. The partnership will place an energy efficiency expert at the wholesaler to level the playing field with the large grocery chains that have in-house efficiency services. This will also build trust and bring the program to hard-to-reach, independent grocers (10 to 15% of grocery buildings will be rural ) The program will also develop upstream relationships with equipment manufacturers and contractors.

### PROGRAM MODIFICATIONS

1. The table below restates the proposal goals for the final 15% payment:

5%	Retrofit 525 buildings with energy efficiency measures, 20% of which shall be outside of the large urban areas of San Jose, San Francisco, Oakland, Los Angeles and San Diego.
2%	Initial audits for 1,050 independent grocers
5%	272, 000,000 kWh are saved

2%	Technical consultations for 525 buildings
1%	Training 120 contractors

The Implementation Plan must include a method to prevent double dipping of incentives for participants in this program.

**SBW Consulting, Inc. – No. 97-02**

<b>PROGRAM TITLE:</b>	Compressed Air Management Program (CAMP)
<b>PROGRAM IMPLEMENTER(S):</b>	SBW Consulting, Inc.
<b>SUBCONTRACTOR(S):</b>	The Draw Group; Rogers Machinery; Accurate Air Engineering; K.C. Compressor Works; Ridge & Associates (for Measurement & Verification)
<b>IOU SERVICE TERRITORY:</b>	Pacific Gas & Electric Company (PG&E)
<b>GEOGRAPHIC AREA:</b>	All
<b>TARGET MARKET:</b>	Nonresidential – Industrial
<b>IOU CONTRACT ADMINISTRATOR:</b>	PG&E
<b>BUDGET APPROVED</b>	\$1,569,524

**PROGRAM DESCRIPTION:**

This program provides a free measurement-based assessment of the compressed air usage system and recommends potential upgrades in equipment and maintenance and operations to plant managers in targeted industries in the PG&E service territory. Two types of rebates are offered to participating industries: (1) to help offset the costs of efficiency improvements, and (2) to encourage ongoing (three-year) maintenance procedures. It builds on successful 2001 program efforts implemented by PG&E and SBW Consulting, Inc.

**PROGRAM MODIFICATIONS:**

The proposal was for SCE and PG&E territories. We accept the program for PG&E territory.

**SESCO, INC. – No. 197-02**

<b>PROGRAM TITLE:</b>	The Gas-Only Multifamily Efficiency Program
<b>PROGRAM IMPLEMENTER(S):</b>	SESCO, Inc.
<b>SUBCONTRACTOR(S):</b>	Quality Conservation Services, Inc. Energx Controls, Inc.
<b>IOU SERVICE TERRITORY:</b>	Southern California Gas Company (SCG)
<b>GEOGRAPHIC AREA:</b>	Los Angeles, San Bernardino Valley, Anaheim, Glendale, Pasadena, Azusa, Burbank, Banning and Riverside
<b>TARGET MARKET:</b>	Residential Retrofit
<b>IOU CONTRACT ADMINISTRATOR:</b>	SCG
<b>BUDGET APPROVED</b>	\$2,380,952

**PROGRAM DESCRIPTION:**

This program provides comprehensive residential energy efficiency renovations and retrofits by offering cash incentives and services to multifamily, hard-to-reach customers (both apartment tenants and owner/operators) for the installation of all the measures determined by SCG to be cost effective under its evaluation of the market. The program targets SCG customers who receive electric services from a non-utility company.

**PROGRAM MODIFICATIONS:**

We reduce the proposed program budget of \$6,801,900 to \$2,380,952. Accordingly, we require SESCO, Inc. to submit revised performance goals reflecting savings and demand reduction. The program should exclude MUNEE area customers who don't contribute into PGC fund.

**(END OF ATTACHMENT 3)**