

## **Attachment 3.1**

### **Sector Strategy Efforts**

**Sector Strategy efforts for HVAC is described in WE&T PIP (Centergies p 36-42).**

#### **HVAC**

Reference Centergies section 6.1a ii 1 in the SoCalGas PIP.

In 2013, Socalgas has scheduled 56 IHACI HVAC evening workshops for technicians and installers. These workshops are scheduled in the evening to ensure that the HVAC technicians have the opportunity to attend. These trainings will prepare technicians to take the North American Technician Excellence (NATE) certification exam for HVAC technicians.

#### **Other Sector Strategies**

Reference Centergies section 6.1a ii 3 in the Socalgas PIP.

Strategies in collaboration with the Energy Upgrade California program focus on how to best educate and train peripheral industry stakeholders on the technical mechanics of the program to help growth. Socalgas WE&T Centergies will participate with IOU Residential staff and sector stakeholders on curriculum and strategy targeting peripheral market agents to expand program. Socalgas strategies to low-income and disadvantaged communities focuses on how to commence more formal relationships with CBOs to target disadvantaged workers community contractors and businesses in low-income and disadvantaged for participation in IOU programs and associated training. Special focus will be on outreach to promote career opportunities relating to sustainability certification, program enrollment of small businesses, HVAC and technician seminars, training and workshops.

**Continuous Energy Improvement- Superior Energy Performance (CEI-SEP)** has a goal to help create certified practitioners in Energy Management Systems (CPEnMS). SoCalGas is offering benchmarking training to accelerate the development of the Commercial demand-side management workforce needed by IOUs and larger EE industry. Moving forward, SoCalGas will be refining those programs to build a project plan that looks closely at CEI-SEP to introduce processes, lessons, and curriculum to working energy management professionals, industry professionals.

#### **IDSMS Content**

WE&T will partner with the IDSM team to engage on comprehensive ways for identifying and delivering integrated IDSM content throughout our curriculum. Through this effort, WE&T intends to explore both internal and external resources in order to deliver the maximum educational experience.

WE&T has taken initial steps, integrating DG and EE into their exhibits, existing training and seminar curriculum. Next steps include collaboration with Emerging Technologies, Engineering and curriculum developers to connect IDSM education with other IOU programs with a focus on the long-term energy efficiency strategic plan and zero net energy goals.

## **Narrative description of PARTNERSHIPS**

### **Community Colleges and Adult Education**

Targeting California Community Colleges faculty and staff has been for the purpose of partnering on California long-term strategic plan initiatives and will continue to be so. Socialgas will work with the CCC District and Adult Education system to coordinate on ways to expand these relationships. Enrolled CCC and Adult Education students are also encouraged to attend Sustainability, Food Equipment and HVAC introductory seminars, training and workshops.

- Los Angeles Trade Technical College – Community College after hours Energy Efficiency introductory training, seminars, tours and demonstration
- El Camino College – Community College (HS mentorship), in collaboration with LA chapter -United States Green Building Council (USGBC), targeting disadvantaged high schools to provide subject matter speakers on environmental and energy efficiency study topics and career opportunities.
- Joint Apprenticeship Committee (JAC)/Local 501 – After-hours introductory seminars and trainings in energy efficiency solutions to provide early intervention and introductory curriculum on integrated demand-side management solution.

### **Trade Organizations, Employers and Labor**

Targeting Trade Organizations, employers and labor resource groups has been for the purpose of partnering on California long-term strategic plan initiatives and will continue to be so. Recent activities have organized around training partnerships and targeting industrial sectors pertinent to the industry. Relating to Sector Strategy efforts, Trade Organizations, employers and labor resources represent key components of relevant partnership and thus, Socialgas is allocating funding to leverage these expanded resources to improve impacts and outcomes of its training investments.

- Institute of Heating and Air Conditioning Industries (IHACI) – HVAC training & curriculum targeted to technicians and contractors. Training provides course series for advancing HVAC skills and knowledge related to whole home and building quality installation and maintenance practices. Training portfolio includes the opportunity to test for industry certification, North American Technicians Excellence (NATE), to individuals deemed ready.
- Local 501 – International Union of Operating Engineers – Commercial Boiler, Indoor Air Quality (Safety) Training provided to targeted technicians and professionals. Training and advanced certification is available to support process improvements, and integrated demand-side approaches for efficiency solutions in plant and facility operations for identifying energy savings.
- California Metals Coalition (CMC) – Industry-specific trade seminars for direct support of energy savings solutions. Training and advanced certification is available to support process improvements, and integrated demand-side approaches for efficiency solutions in plant and facility operations for identifying energy savings.

### **CBOs and Other Government Agencies**

Targeting Community-based organizations and government agencies will be for the purpose of partnering on California long-term strategic plan initiatives and will continue to be so. IOUs will

leverage existing communication channels to reach members of low-income and disadvantaged communities.

- California State University System – Funding faculty and students on Energy Efficiency projects that accelerate in-class curriculum development, student engagement on energy efficiency projects and connect IOUs with disadvantaged communities through the CSU Center for Community Engagement.
- At a local and regional level, IOUs work with local community-based organizations that have established relationships to support their low-income and disadvantaged population. This is often done with the aid of Public Affairs, Community Relations and Diverse Business Enterprises.
- IOUs will also collaborate with their individual low-income energy efficiency program managers and partners as another channel toward reaching low-income and disadvantaged persons and helping to increase their awareness and participation in IOU education and training opportunities.