

## 2006-8 Energy Efficiency Portfolio Quarterly Report Narrative

**Program Name:** SCG – Emerging Technologies Program  
**Program Number:** SCG3506  
**Quarter:** First Quarter 2006

### 1. Program description

Southern California Gas Company's (SoCalGas) Statewide Emerging Technologies (ET) program is a non-resource information/education program that seeks to accelerate the commercial introduction of energy-efficient technologies, applications, and analytical tools that are not widely adopted into the California market. We work closely with the other IOU's and the CEC to collaborate and explore commercial opportunities generated through PIER-sponsored research. SoCalGas' ET program attempts to connect manufacturers of new and improved products, controls, and processes claiming energy efficient performance with customers who are willing to risk applying them to their enterprises. The utility seeks to develop enough information from the demonstration and showcasing during each project to gain insights about benefits and costs, as well as likelihood of market success.

### 2. Administrative activities

Routine monthly administrative activities include but are not limited to the following activities: Project tracking and review of prospective projects, coordination, contract management, responding to customer inquiries and concerns, planning of future marketing events, and managing of program budgets and expenditures.

Additional activities included:

- Held an Emerging Technologies Coordinating Council meeting at the ERC on February 22, 2006. All IOU's and the CEC attended. Two different emerging technologies related to space cooling were presented.
- Met with CIEE staff in Oakland on Jan. 11, 2006 to compare portfolios and discuss collaboration opportunities.
- Met with Enbridge Gas Co. in Toronto, Mar. 1-3, to compare emerging technologies efforts, review a collaborative project on tankless water heating, and meet with several other utilities at the meeting of the Canadian Energy Partnership for Environmental Innovation (CEPEI).
- Worked to assure collaboration is achieved with 3<sup>rd</sup> Party contractor Navigant as they plan to lead an effort to develop a "Portfolio of the Future"

### 3. Marketing activities

This program is not "marketed" as other EE/DSM programs. Technologies are assessed after a careful selection process and then following the cultivation and

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negotiation of a suitable field demonstration site at a partnering customer who serves as an “early-adopter” and ally. Results of these assessments are typically “marketed” internally at SCG to appropriate program managers and account executives as we determine how to exploit successes through other EE programs.

- Worked with the other utilities in initial planning discussion for an ET Summit to be held later this year (Oct.) at SCE’s CTAC facility.

#### 4. Direct implementation activities

Most of the funding, contracts and staff time are devoted to all the steps in the process of evaluation of candidate new energy efficient technologies. Approximately twenty different project efforts are underway at various stages of the process. A number of new ideas are typically received or discovered each month. Of particular note:

- Worked with the output from the water heating “PAG-ette” to help formulate initial strategy for future demonstrations of high efficiency gas water heaters.
- Met with outside project developers involved with a hybrid solar cooling system and began initial evaluation for a potential assessment.
- Started two new assessments: 1) a collaboration with SCE at a dairy/milk processor to recover heat from electric refrigeration compressors to displace boiler load; 2) a new gas train combustion oscillating control valve with O<sub>2</sub> trim for a metal melting furnace.
- Explored with SCE another project collaboration idea to assess sash controls for laboratory fume hoods.

#### 5. Program performance/program status (describe)

- Program is on target  
 Program is exceeding expectations  
 Program is falling short of expectations

The Emerging Technologies programs of each of the IOU’s is evolving to achieve new standards of performance and effectiveness. The SEu programs are beginning to ramp up in resources as they continue with projects initiated in the prior cycle. Several new products are being screened with evolving selection criteria.

#### 6. Program achievements (non-resource programs only):

- None

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7. Changes in program emphasis, if any, from previous quarter (new program elements, less or more emphasis on a particular delivery strategy, program elements discontinued, measure discontinued, budget changes, etc.).
  - None
  
8. Discussion of near-term plans for program over the coming months (e.g., marketing and outreach efforts that are expected to significantly increase program participation, etc.)
  - Continue to explore new technology options; collaborate with CEC staff to review the PIER portfolio for assessment-ready opportunities.
  
9. Changes to staffing and staff responsibilities, if any
  - None
  
10. Changes to contracts,
  - None
  
11. Changes to contractors and contractor responsibilities, if any
  - None
  
12. Number of customer complaints received
  - None
  
13. Revisions to program theory and logic model, if any  
Provided in February 1, 2006 concept paper.
  - None