



BEFORE THE PUBLIC UTILITIES COMMISSION OF THE
STATE OF CALIFORNIA

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Southern California Edison Company's Application For Approval of Water-Embedded Energy Efficiency Pilot Programs for 2007-2008.	Application 07-01-024 (Filed January 16, 2007)
Application of Pacific Gas and Electric Company Seeking Approval of Water-Embedded Energy Savings Pilot Program.	Application 07-01-026 (Filed January 16, 2007)
San Diego Gas and Electric Company for Approval of Energy & Water Efficiency Partnership and Budget for Years 2007 Through 2008.	Application 07-01-029 (Filed January 16, 2007)
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PETITION OF SOUTHERN CALIFORNIA GAS COMPANY AND SOUTHERN CALIFORNIA EDISON COMPANY (U-338 E) TO MODIFY DECISION 07-12-050

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Dated: **September 05, 2008**

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Pursuant to Rule 16.4 of the Commission's Rules of Practice and Procedure, Southern California Gas Company ("SoCalGas") and Southern California Edison Company ("SCE") ("Joint Utilities") respectfully submit this petition to modify Decision (D.) 07-12-050. The Joint Utilities propose to cancel a portion of the Water-Energy Pilot Program ("Pilot") approved by the Commission in D.07-12-050 ("the Decision"). Specifically, the Lake Arrowhead Water Conservation Partnership ("LACWP") portion of the approved Pilot is no longer viable for the following reasons:

- The water partner for this program, LACSD, can no longer support the Commission-approved program.

- LACSD recently adopted an ordinance which significantly affects the program as approved by the Commission.
- Alternative program designs have been investigated, but no viable alternate exists.

I.

BACKGROUND

The Water Energy Pilot was initiated by an Assigned Commissioner Ruling (ACR) on October 16, 2006, which directed the energy investor-owned utilities (“IOUs”) to partner with local water agencies and develop comprehensive portfolios of pilot programs. The IOUs were directed to file their proposed program portfolios by January 16, 2007, and it was originally intended that the programs would commence on July 1, 2007. One of the proposed programs was SCE’s LACWP, which was developed throughout November and December of 2006 in close concert with staff at LACSD. After filing the Water-Energy Pilot proposals in January of 2007, the Commission led the IOUs through an extensive workshop process that extended throughout the spring of 2007. By early summer 2007, it was clear that the proposed programs would not be approved in time for the planned July 1, 2007 implementation date. In fact, several supplemental filings were ultimately required; one on June 14, 2007, and another on July 10, 2007. As an outcome of a meeting with the IOUs, DRA and TURN in late June, the LACWP was modified for a July 10, 2007 supplemental filing to add SoCalGas to the partnership. This was done to give SoCalGas a viable opportunity to demonstrate embedded gas savings through the pilot. After the IOUs submitted their final supplemental filings on July 10, 2007, the Commission issued a proposed decision on November 15, 2007. The final decision (D.07-12-050) came on December 20, 2007, over 11 months after the IOUs had filed their original program designs including the LACWP. This final decision moved the implementation date to July 1, 2008, exactly one year after the start date anticipated at the time the programs were originally filed.

Pursuant to D.07-12-050, the Commission approved, among other proposals, the LACWP with SoCalGas and SCE. The intent of this program was that SCE and SoCalGas would partner

with LACSD to deliver indoor water-conserving devices to year-round residents and outdoor landscaping retrofits to a portion of the largest residential consumers of water, as identified by LACSD. Indoor measures included High Efficiency Toilets (HETs), High Efficiency Clothes Washers, low-flow shower heads, and sink aerators, while outdoor measures included ET/Smart controllers and sprinkler-head retrofits. SCE and SoCalGas were to co-fund LACSD's proposed program to expand the number of homes that could be served. LACSD's role would be to identify candidate homes, coordinate delivery of the program and provide funding to purchase the water-conserving devices, with a contribution from SCE and SoCalGas to complete the purchase of the devices. The customer would then be responsible for installation, and LACSD would verify that eligible customers have installed the equipment.

II.

DISCUSSION OF PROGRAM CHALLENGES

A. Our water partner for this program, LACSD, can no longer support the Commission-approved program.

LACSD anticipated implementing programs in July 2007. The delayed decision in this proceeding allowed significant time to pass between when LACSD made its original proposal to when the program was approved for implementation. In that time, LACSD experienced turnover of three of its five board members, including the chairperson who was a strong champion of the approved program. Additionally, LACSD experienced turnover in the operational side of the organization, including the general manager. Not only did these unforeseen staff changes result in a delayed reengagement with our water partner, but the newly involved staff, although open and willing to partner with energy IOUs, no longer supported the program design due to limited staff resources and time constraints. The LACSD staff were also concerned about duplication between the approved LACWP and new district-offered conservation programs.

B. LACSD recently adopted an ordinance which significantly affects the program as approved by the Commission.

On June 10, 2008 LACSD adopted Ordinance 69 which limits irrigation to Mondays, Wednesdays, and Fridays. This impacts the outdoor measures of the LACWP in two significant ways: 1) It has a substantial impact on the baseline water usage that would be used to calculate water savings and eventually embedded energy savings, and 2) This would be a poor application to test ET/Smart Irrigation Controllers as the technology would in essence be rendered useless and unnecessary.¹

C. Alternative program designs have been investigated, but no viable alternate exists.

Once it became apparent that the approved program design for the LACWP was no longer a viable option, the Joint Utilities began discussions with LACSD to investigate alternate program designs. This involved in-person meetings on two occasions and several conference calls to brainstorm and vet ideas. Three alternate program designs were considered. One was a cash for turf grass program which would pay LACSD customers to remove turf and replace with less water intensive landscaping. Another was a commercial indoor retrofit program which would incent installation of HETs, waterless urinals and other appropriate measures. On a conference call held June 19, 2008 these two ideas were determined not to be cost-effective and to be impossible to implement within the given timeframe. The last program idea was the only design determined to be worthwhile in exploring further. This alternate program design involved replacing turf soccer fields at two schools in LACSD's service territory with synthetic turf. A substantial amount of time and effort was devoted to determining the feasibility of this alternate, including obtaining cost estimates, data logging water use and performing site visits.

Unfortunately, after thorough examination, this alternate was also deemed infeasible primarily

¹ ET/Smart controllers irrigate according to need based on input from weather stations and/or soil moisture monitors. The mandated limited watering schedule is a different method to achieve an analogous result to the ET/Smart controller; while not as sophisticated, it is sufficiently similarly effective to render the ET/Smart Controller a cost-ineffective improvement giving diminishing returns over the mandated schedule.

due to time constraints and uncertainties with the acceptance of the program by the school district and community.

III.

THE COMMISSION SHOULD ALLOW SCE AND SOCALGAS TO MODIFY THEIR APPROVED WATER-ENERGY PILOTS TO REMOVE THE LACWP

The Joint Utilities propose modifications to the Decision detailed in Attachment A. In addition, the Joint Utilities propose the following alternative recommendations for LACWP program funding.

SCE requests that funds originally allocated for the LACWP be shifted to the approved Water Leak Detection Pilot Program (“WLDP”). The WLDP has shown great potential for identifying large water losses at a water district level and great potential for embedded energy savings. Also, WLDP can be enlarged and shifting remaining budget from the LACWP will allow for appropriate program expansion.

SoCalGas has spent approximately \$2,832 in its efforts to work with LACSD and SCE to understand the issues with the pilot and find alternative program designs for LAWCP. SoCalGas requests that the Commission approve these expenditures as part of the administration costs related to this pilot. With regards to all other unspent funds originally allocated to this pilot \$147,168 SoCalGas requests that these funds remain in its Conservation Expense Account, which tracks both low-income energy efficiency and energy efficiency programs associated with the pre-2006 funding cycles.²

IV.

CONCLUSION

The Joint Utilities petition the Commission to allow the cancellation of the proposed water-energy pilot program, LACWP, because of LACSD’s adoption and implementation of Ordinance 69, LACSD’s resource constraints and the pilot’s time constraints. Therefore, the

² See Mark F. Gaines Testimony, A.07-01-030, at page 7.

original pilot proposal is not feasible. The Joint Utilities and LACSD investigated alternatives with the hope that an alternate program could be developed, particularly in light of SCE’s request for a two-month extension of the Pilot. Unfortunately, the various alternatives explored ultimately proved to not fit into the time frame or scope of the Pilot. As a consequence, the Joint Utilities and LACSD agree that the LACWP is no longer viable in the context of the goals for the Pilot.

For the reasons given above, SoCalGas and SCE ask that the Commission approve this petition to modify the Decision.

<p>Respectfully Submitted,</p> <p>JENNIFER SHIGEKAWA R. OLIVIA SAMAD</p> <p>By: <u>/s/ R.OLIVIA SAMAD</u> R. OLIVIA SAMAD</p> <p>Southern California Edison Company 2244 Walnut Grove Avenue Rosemead, CA 91770 Telephone: (626) 302-3477 Facsimile: (626) 302-6962 E-Mail: Olivia.samad@sce.com</p> <p>Attorneys for SOUTHERN CALIFORNIA EDISON COMPANY</p>	<p>Respectfully Submitted</p> <p>STEVEN D. PATRICK</p> <p>By: <u>/s/ STEVEN D. PATRICK</u> STEVEN D. PATRICK</p> <p>Southern California Gas Company 555 West 5th Street, Suite 1400 Los Angeles, CA 90013 Telephone: (213) 244-2954 Facsimile: (213) 629-9620 E-Mail: spatrick@sempra.com</p> <p>Attorneys for SOUTHERN CALIFORNIA GAS COMPANY</p>
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September 05, 2008

ATTACHMENT A

The Joint Utilities propose the following modifications to the D.07-12-050.

1. Modify section 6.9.1.2. on page 67 as follows:

“6.9.1.2. Lake Arrowhead Water Conservation – SCE proposes working with Lake Arrowhead to deliver indoor water-conserving devices to year-round residents and outdoor retrofits to the largest residential water consumers.

Delete the following language: ~~SCE considers Lake Arrowhead to be one of the highest water embedded energy districts in its service area, so this program has the highest likelihood of being cost-effective. This program has the added advantage of having the utility collaborate directly with a retail water provider in a physically constrained area. We approve this program along with a rigorous impact analysis of its effects.”~~

Add the following language: *“The Commission is canceling this pilot program because of changes in the law, resource constraints of the water partner, and time constraints imposed by the pilot.”*

2. Modify section 6.9.1.4. on page 70 as follows:

“Lake Arrowhead/SCE/SoCal Gas Water Conservation – SoCalGas proposes an Indoor/Outdoor Retrofit Program for residential homes in Lake Arrowhead, California with SCE and Lake Arrowhead.

Delete the following language: ~~In the proposed decision, the assigned ALJ found that SoCalGas’ involvement in this program would be duplicative of SCE’s Lake Arrowhead water conservation program, and that it would be unlikely to provide us with further useful information. On this basis, he recommended not approving it. In comments on the proposed decision, SoCalGas, SCE, DRA, and TURN strongly disagreed, arguing that SoCalGas’ involvement is consistent with SCE’s and certainly complementary, but that it is in no way duplicative. Since~~

~~the approved evaluation process will include measurement of gas savings resulting from this program, we can see merit to allowing the gas utility to participate. Thus, we approve this portion of SoCalGas' proposed program."~~

Add the following language: *"The Commission is canceling this pilot because of changes in law, resource constraints of the water partner, and time constraints imposed by the pilot."*

- 3. Modify the text of section 6.9.2.1. Evaluations on page 73 of D.07-12-050 by deleting the paragraph entitled "Residential Indoor/Outdoor for Lake Arrowhead" in its entirety:**

~~"Residential Indoor/Outdoor for Lake Arrowhead (SCE) — This evaluation study would use billing data to determine if the residential retrofits in this area do result in water savings. For reasons stated earlier, we approve this study."~~

- 4. Modify the text of the Findings of Fact section on page 92 of D.07-12-050 by deleting paragraph 20 in its entirety:**

~~"20. SCE considers Lake Arrowhead to be one of the highest water embedded energy districts in its service area, so its program has the highest likelihood of being cost-effective."~~

- 5. Modify the text of the Findings of Fact section on page 92 of D.07-12-050 by deleting paragraph 24 in its entirety:**

~~"24. Since SoCalGas' Lake Arrowhead water conservation proposal complements the SCE Lake Arrowhead water conservation program, it is it is reasonable to approve it."~~

- 6. Modify the text of the Findings of Fact section on pages 92, 93, and 94 of D.07-12-050 by consecutively renumbering all numbered paragraphs after paragraph 19.**

- 7. Modify the text in Table 1, 6 and 7 on pages 5, 85 and 101 respectively in the following manner:**

Delete: ~~Lake Arrowhead Water Conservation \$176,500 on line 3;~~

Change: the “CPUC Adopted \$” for SCE’s “Water Leakage” program from \$300,000 to \$476,500 on line 4;

Delete: ~~LASCD/SCE/SoCalGas Water Water Conservation \$150,000~~ on line 12;

Change: the total “CPUC Adopted \$” from ~~\$3,632,907~~ to \$3,482,907 on line 13;

Delete: ~~Residential Indoor/Outdoor for Lake Arrowhead (SCE and SCG)~~
~~\$91,000~~ on lines 24 and 25;

Change: the total “CPUC Adopted \$” from ~~\$967,000~~ to \$876,000 on line 29;

Change: the “total evaluation and studies (EM&V)” from ~~\$2,737,300~~ to \$2,646,300 on line 36; and

Change: the “Total Pilot (Pilot + Evals + Studies)” from ~~\$6,370,207~~ to \$6,129,207.

8. Modify the text in Table 8 on page 103 in the following manner:

Change: SCG “Program Funding” from ~~\$586,407~~ to \$436,407;

Change: total “All IOUs” “Program Funding” from ~~\$3,632,907~~ to \$3,482,907;

Change: total “All IOUs” “% of Evaluations and Studies” from ~~\$2,737,300~~ to \$2,646,300 and adjust the IOUs contributions accordingly; and

Change: “Total IOU \$” for “All IOUs” from ~~\$6,370,207~~ to \$6,129,207 and adjust the IOUs contributions accordingly.

CERTIFICATE OF SERVICE

I hereby certify that, pursuant to the Commissioner's Rules of Practice and Procedure, I have this day served a true copy of PETITION OF SOUTHERN CALIFORNIA GAS COMPANY AND SOUTHERN CALIFORNIA EDISON COMPANY (U-338 e) TO MODIFY DECISION 07-12-050 on all parties identified in the attached service list(s).

Transmitting the copies via e-mail to all parties who have provided an e-mail address.
First class mail will be used if electronic service cannot be effectuated.

Executed this **5th day of September, 2008**, at Rosemead, California.

/s/Jennifer Alderete
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California Public Utilities Commission

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