

**A.17-01-013, et al.**  
**2018-2025 EE Rolling Portfolio Business Plan**  
**FIRST SET OF DATA REQUESTS TO**  
**SAN DIEGO GAS & ELECTRIC COMPANY**  
**BY**  
**THE COALITION FOR ENERGY EFFICIENCY**  
**Dated March 22, 2017**  
**Question 17**  
Submitted: April 7, 2017

17. In the joint February 23, 2015 Advice Letter on the WE&T Program Implementation Plan Addendum (PG&E Advice 3567-G/4592-E; SDG&E Advice 3179-E; SCE Advice 3179-E; SoCalGas Advice 4765-G), the IOUs stated that they would initiate the following activity as a priority issue: “[a]dopting skill certification requirements for advanced lighting controls and HVAC Quality Installation and Quality Maintenance and other available skill standards and certification guidance.”<sup>6</sup>
- (a) What skills standards or certification requirements have been adopted or initiated and to which programs do these requirements apply?
- (b) Please provide any studies, reports, memorandums, data or other documents describing the actions taken to initiate this activity.
- (c) Will the adoption of “skill certification requirements for advanced lighting controls and HVAC Quality Installation and Quality Maintenance and other available skill standards and certification guidance” remain a priority issue under the 2018-2025 Energy Efficiency Rolling Portfolio Business Plan? If yes, how does the Business Plan ensure that this will remain a priority?

<sup>6</sup> Advice Letter at p. 5.

**SDG&E Response:**

Note: SDG&E’s Advice Letter reference should be corrected to SDG&E 2705-E/2361-G.

- a) For contractors who participate in HVAC Commercial Quality Maintenance (QM) programs, require skills standards and certification requirements fulfilling the commitment outlined in the February 23, 2015 Advice Letter and PIP Addendum. The HVAC Commercial Quality Installation program is a Market Transformation program to influence the level of technician quality maintenance as well as the priority with respect to skills and certification requirements. The following are the requirements for the HVAC Commercial Quality Maintenance and Installation program(s):
- All participating technicians are required to take a program specific training (ASHRAE/ACCA 180 Standards) as well as refresher training as needed.
  - All participating technicians in the QM program are required to be either a Journeyman with 5+ years of service experience or an apprentice (monitored by a qualifying technician) currently enrolled in or having completed a federal or state of California apprenticeship training program.

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- As the direct driver of work performed under the program, each technician’s performance is individually monitored. Failure to perform work, continuously, to the program standard will result in disqualifying the technician from performing work under the program.
- Other requirements of for participating technicians: The IOUs reserve the right to modify any of these requirements at any time, without prior written notification to the contractor or technician.
  - Technician with a minimum 5 years of service experience on HVAC equipment. Installation or “Tin Work” does not count as service experience. (Requirements for monitoring technician, not apprentice.)
  - Technician must pass the HVAC Optimization training with a score of 80% or higher.
  - Technician must be EPA Universal Certified for handling refrigerant.
  - Technician must pass a background check before entering program participation.
  - Technician must own, or have access to, all program-required tools.
  - Technician must have taken all OSHA required safety classes for performing work in HVAC maintenance.

For Advanced Lighting Controls, no skills standards or certification requirements have been adopted to date, nor are there any current or relevant EE Programs to which such requirements would apply. In alignment with the February 23, 2015 Advice Letter and PIP Addendum, the IOUs remain actively engaged in EM&V studies to evaluate the effectiveness and energy savings influence of lighting control certification training programs. The Lighting Controls Training Assessment study was completed in April 2016 and is available at [www.energydataweb.com/cpuc/search.aspx](http://www.energydataweb.com/cpuc/search.aspx). The ALCS Pilot Program, described in SDG&E’s response to Q22, is still underway and plans to conclude and present findings to the CPUC in Q3 2017. The results of these efforts will be evaluated and considered in future WE&T and relevant Advanced Lighting Controls program design and implementation where applicable.

b) Please see response to Q22.

c) As part of SB 350, the CEC shall adopt a responsible contractor policy to ensure that ratepayer-funded EE retrofits meet high-quality performance standards and reduce energy savings lost or foregone due to poor-quality workmanship. SDG&E will collaborate with the CEC on the adoption, implementation and enforcement of a responsible contractors policy.