

**PACIFIC GAS AND ELECTRIC COMPANY**  
**Energy Efficiency 2018-2025 Rolling Portfolio Business Plan**  
**Application 17-01-015**  
**Data Response**

PG&E Data Request No.:	CCEE_001-Q17		
PG&E File Name:	EnergyEfficiency2018-2025-RollingPortfolioBusinessPlan_DR_CCEE_001-Q17		
Request Date:	March 22, 2017	Requester DR No.:	001
Date Sent:	April 7, 2017	Requesting Party:	California Coalition for Energy Efficiency
		Requester:	Thomas A. Enslow

**SUBJECT: APPLICATION OF SOUTHERN CALIFORNIA EDISON COMPANY (U338E) FOR APPROVAL OF ENERGY EFFICIENCY ROLLING PORTFOLIO BUSINESS PLAN AND RELATED MATTERS. CCE-DR01**

**QUESTION 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>7</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?

**ANSWER 17**

PG&E objects to the mischaracterization of the joint February 23, 2015 Advice Letter filing. In the filing the IOUs’ state:

“The WE&T team also identified **Recommendations** that were priority issues for the WE&T Program, based on the **considerations** discussed above. These include:

- Adopting skill certification requirements for advanced lighting controls and HVAC

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<sup>7</sup> Advice Letter at p. 5.

Quality Installation and Quality Maintenance, and other available skill standards and certification guidance.” *[emphasis added]*

Nevertheless the IOUs have performed the following actions:

(a)

For advanced lighting controls:

Advanced lighting controls are currently only available for incentives through our Customized Incentive Program. PG&E does not require any skill certification specifically for advanced lighting controls. Training is provided as a part of the ALCS (Advanced Lighting Control System) Trial, which focuses on the use of the ALCS Calculator Tool.

For the first phase of the Lighting Design Assistance Trial, participating Lighting Design Professionals were required to possess one of the following certifications and demonstrate EE experience:

- NCQLP Lighting Certified (LC)
- CA-licensed Professional Mechanical or Electrical Engineers
- IALD Professional or Associate Member
- Certified Lighting Efficiency Professional (CLEP)
- Certified Lighting Management Consultant (CLMC)

The second round of the trial did not require any certifications.

For the Commercial HVAC Quality Maintenance Program:


- All participating technicians are required to be either a Journeyman with 5+ years of service experience or apprentices (monitored by a qualifying technician ) currently enrolled in or having completed a federal or state (state of California) apprenticeship training program. 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. The following are requirements of the technicians participating in this program. PG&E and HON 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, as well as

Further information can be found in the **attached** contractor requirements.

(b) For results of studies, reports etc. please refer to PG&E's response to Question 22.

(c) Yes, skill certification requirements will remain a priority issue in 2018-2025 for specific programs such as Commercial HVAC QM. More detail on specific approaches to incorporating these requirements will be discussed in the implementation plans.

 [Atch01\\_CCEE\\_001\\_Commercial HVAC Contractor Requirements\\_Q17.pdf](#)