

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_002-Q42		
PG&E File Name:	EnergyEfficiency2018-2025-RollingPortfolioBusinessPlan_DR_CCEE_002-Q_42		
Request Date:	May 23, 2017	Requester DR No.:	002
Date Sent:	June 9, 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-DR02 (QUESTIONS 38 – 54)

QUESTION 42

The responses to Data Request Questions 9, 10 & 11 state that: “Energy savings calculations take a reduction to account for the risk of lost energy savings due to factors such as equipment not being installed, not functioning properly and operating in conditions that affect energy consumption.

- a. Please identify specifically each energy efficiency measure whose energy savings are discounted due to the risk of lost energy savings due to poorly installed measures for energy efficiency measures. This question does not encompass reductions for incentives that were found to not actually have been installed.
- b. For each measure identified in response to part (a) of this question, state the specific discount attributable to the risk of lost energy savings due to poorly installed measures (e.g., 10%).
- c. For each measure identified in response to part (a) of this question, identify the ex ante review dispositions, energy efficiency measure work papers or other specific documents that provide the basis for the discount attributable to the risk of lost energy savings due to poorly installed measures, and identify where in each document this information is contained (by page number and paragraph).

ANSWER 42

- a. Broadly, there are two primary types of energy efficiency measure types:
 - **Custom projects** whereby measure-based ex ante gross savings values are either calculated by Program Administrators (for non-deemed measures) or are drawn from savings values previously-established (for deemed measures). Calculations of gross energy savings values for measures included in custom projects that do not have pre-established deemed values incorporate several different variables, including installation rates, operating hours, coincidence

factors, and EULs. There are no adjustments made to ex ante savings values to account for poor installation. Gross savings values are subject to review and modification by the CPUC's ex ante review team, and those reviews do not typically include discounts for expected reductions in energy savings attributable to poor installation. Subsequent to installation, these measures are subject to verification of installation and operation by the Program Administrators. Normally these inspections do not result in specific discounts to energy savings being applied for poor installation, only for non-operation. Subsequent to ex ante reporting the portfolio of custom projects is subject to ex post evaluation, including on-site verification of measure installations. Normally on-site verifications in the evaluation process do not include reduction of savings values for poor installation unless deficiencies in installation result in non-operation.

- **Deemed measures** have ex ante savings estimates which are documented in work papers that are subject to review and modification by the CPUC's ex ante review team. Subsequent to installation these measures are subject to verification of installation and operation by the Program Administrators. Deemed measures are subject to ex post evaluations that may be performed at a program level and/or as part of evaluations of "high impact measures" whereby measure-level savings are assessed across the entire portfolio in a single evaluation.

Adjustments to energy savings values for deemed measures are made within the Database for Energy Efficiency Resources (DEER)¹ as Gross Savings Installation Adjustments (GSIA), and provide scant information as to underlying factors which contribute to each GSIA. For this reason, it is not possible for PG&E to provide a list of specific deemed energy efficiency measures which have been discounted due to poorly installed measures.

b. It is not possible for PG&E to identify the specific discount attributable to poorly installed measures for non-deemed measures in custom projects, or for the GSIA adjustments made for deemed measures. While the DEER database references specific work papers that informed the assigning of adjustments, it is not possible for PG&E to know how much may be due to a poorly installed measure versus other factors.

c. The source for GSIA adjustments for deemed measures as determined by the CPUC does not include which adjustments include reductions due to poorly installed measures, and further does not identify where in each of these source documents this information is contained (by page number and paragraph).

¹ <http://www.deeresources.com>