

State of California

Memorandum



Date: September 1, 2022

To: Ryan Cho, Southern California Edison (SCE); Jay Bhatka, SCE; Danielle Dragon, Pacific Gas and Electric (PG&E); Anders Danyrd, Southern California Gas (SCG); Ed Reynoso, San Diego Gas and Electric (SDG&E); John Zwick, (SDG&E); Nancy Goddard, PacifiCorp; Andres Marquez, (SCG); Andres Fergadiotti, (SCE); Henry Liu, (PG&E); Kenny Liljestrom, (SDG&E)

CC:

From: Peter Biermayer P.E., Utilities Engineer, EE Planning & Forecasting Section, Energy Division, CPUC

Subject: Disposition Approving Heat Pump Pool Heater, Residential, Fuel Substitution – Measure Package SWRE005-02

1. Discussion and Direction

The California Public Utilities Commission (CPUC) approves the statewide measure package for Heat Pump Pool Heater, Residential, Fuel Substitution – SWRE005-02. This is a revision to an existing measure package SWRE005-01. The measure package was updated in accordance with Resolution E-5152. SWRE005-02 will become effective on January 1, 2023. Measure package SWRE005-01 will be set to expire on December 31, 2022.

2. Measure Package Summary

The measure updates were in response to Resolution E-5152 to update the measure package for PY2023. This measure package meets all fuel substitution guidance document requirements.¹

¹ Fuel Substitution Technical Guidance for Energy Efficiency, V1.1, dated 10/31/2019.
<https://www.cpuc.ca.gov/WorkArea/DownloadAsset.aspx?id=6442463564>

Key updates include:

- Added data collection requirements per Resolution E-5152.
- Updated material and labor costs per Resolution E-5152.
- Updated measure package with CZ2022 weather files.
- Updated weather dependent calculation assumptions like heat pump pool heater size.
- Migration of Energy Impact Tables to the eTRM Permutation energy savings values.

3. Critical Review Issues

Reviewers confirmed that all updates were completed in accordance with CPUC policy and guidance. The Ex Ante Review team had minor comments for Southern California Edison (SCE) to address, such as minor text edits, clarifying eligibility requirements, aligning the permutations and Fuel Substitution Calculator, and clarifying the calculation assumptions like coefficient of performance. SCE has addressed the review comments in full.