

State of California

Memorandum



Date: September 12, 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 Packaged Heat Pump Air Conditioner, Commercial, Fuel Substitution – Measure Package SWHC046-02

1. Discussion and Direction

The California Public Utilities Commission (CPUC) approves the statewide measure package for Packaged Heat Pump Air Conditioner, Commercial, Fuel Substitution – SWHC046-02. This is a revision to an existing measure package SWHC046-01. The measure package was updated in accordance with Resolution E-5152. SWHC046-02 will become effective on January 1, 2023. Measure package SWHC046-01 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 code requirements with Title 20, Title 24, and Title 10.
- Added New Construction measure application type.
- 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, cleaning up the coefficient of performance values in the measure case and base case tables. SCE has addressed the review comments in full and the Ex Ante Review team recommends measure approval.