

State of California

Memorandum



Date: August 17, 2021

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CC:

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

Subject: Disposition Approving Heat Pump Pool Heater – Fuel Substitution, Residential – Workpaper SWRE005-01

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## 1. Discussion and Direction

The California Public Utilities Commission (CPUC) approves the statewide workpaper for Heat Pump Pool Heater – Residential, Fuel Substitution – SWRE005-01. This is a new workpaper and will become effective upon approval.<sup>1</sup>

## 2. Workpaper Summary

This is a new workpaper for the installation of an energy efficient heat pump instead of a standard efficiency natural gas-fired pool water heater for normal or accelerated replacement applications in a residential setting. The measure case equipment requirement of a minimum 5.5 Coefficient of Performance (COP) will exceed the Title 20 code requirements of a 3.5 COP. This workpaper meets all fuel substitution guidance document requirements.<sup>2</sup>

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<sup>1</sup> New workpapers are effective upon approval.

<sup>2</sup> Fuel Substitution Technical Guidance for Energy Efficiency, V1.1, dated 10/31/2019.  
<https://www.cpuc.ca.gov/WorkArea/DownloadAsset.aspx?id=6442463564>

### **3. Critical Review Issues**

Fuel substitution measures may face market barriers and Program Administrators (PAs) may choose to offer rebates to the customer that exceed the net cost to the participant of installing the more efficient measure, i.e., the Incremental Measure Cost (IMC). In the instances where the cost of the rebate exceeds the IMC, PAs will outline the reasons for such rebate in an addendum. Since each PA program may have different rebates, each PA will need to provide a separate addendum. If the program is third-party implemented, an addendum will be required for each instance.