



State of California

M e m o r a n d u m

Date: September 27, 2022

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CC: Peter Lai, CPUC

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

Subject: GUIDANCE RE NTG_ID FOR NON-RESIDENTIAL UNITARY/SPLIT AC/HP SYSTEMS FOR DEER2023/2024 MEASURE PACKAGES

In an email from Ed Reynoso, SDG&E, on Sept. 22, 2022 it was brought to my attention that the NTG ID in several measure packages would need to be revised as listed in the table that follows.

Table 1. Published Measure Packages for Non-Residential AC/HP Systems

Measure Version ID	Start Date	Measure Name	NTG ID	Measure Application Types
SWHC013-02	2022-01-01	Unitary Air-Cooled Air Conditioner, Over 65 kBtu/hr, Commercial	NonRes-sAll-mHVAC-RTU-SplitSys	NR and NC
SWHC014-02	2022-01-01	Unitary Air-Cooled Air Conditioner or Heat Pump, Under 65 kBtu/hr, Commercial	NonRes-sAll-mHVAC-RTU-SplitSys	NR and NC
SWHC043-02	2022-01-01	Multiple Capacity Unitary Air-Cooled Commercial Air Conditioners Between 65 and 240 kBtu/hr	NonRes-sAll-mHVAC-RTU-SplitSys	NR and NC
SWHC043-03	2023-01-01	Multiple Capacity Unitary Air-Cooled Commercial Air Conditioners Between 65 and 240 kBtu/hr	NonRes-sAll-mHVAC-RTU-SplitSys	NR and NC

The reason cited for the need to update the already-approved SWHC043-03 for PY2023 is as indicated:

1. In Resolution E-5082 DEER2022, it was indicated that the NTGR would be reduced from 0.76 to 0.55 for DEER2022 for rooftop and split AC and HP systems. In the resolution, the Measure Application Types (MATs) to which the updated NTG_ID would be applied were not indicated, but in the DEER database the following was implemented:
 - a. For NTG_ID = *NonRes-sAll-mHVAC-RTU-SplitSys*, the DEER2022 update was indicated as only appropriate for the NR and AR MATs.
 - b. A related NTG_ID, *NonRes-sAll-mHVAC-Pkg*, was left active in DEER.
2. To resolve this confusion, DNV reviewed the “Program Year 2018 (PY2018) HVAC Sector Impact Evaluation Final Report”¹ by DNV GL and the underlying data to understand the findings and whether the NTG_ID had been properly recorded in the DEER database. The sample used to establish the report findings consisted of more than a quarter new construction installations. Hence, the DEER database has been corrected as follows:
 - a. For NTG_ID = *NonRes-sAll-mHVAC-RTU-SplitSys*, NC has been added to the list of eligible MATS.
 - b. The *NonRes-sAll-mHVAC-Pkg* NTG_ID has been expired as of 2021-12-31.

As a result of the corrections indicated above, it is no longer necessary for the SWHC043-03 measure package—or those listed in Table 1—to be revised. Please let me know if you have any questions.

¹ “Program Year 2018 (PY 2018) HVAC Sector Impact Evaluation Final Report.”
<https://pda.energydataweb.com/#!/documents/2362/view>.