

# MEMORANDUM

**To:** MA Cross Cutting NEI Working Group

**From:** Greg Clendenning and Christine Smaglia, NMR; Nate Caron, DNV GL

**Cc:**

**Date:** October 19, 2018

**Re:** NEI Reference Table

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The overall objective of this study was to provide the PAs with guidance and clarification on the correct application of NEIs at the measure-level and across individual initiatives in their benefit-cost models. The study provides fully checked, updated and documented NEI tables for PAs' 2019-21 electric and gas benefit cost plan models.

The team began this study by compiling the NEI values recorded in the PAs 2019-21 electric and gas benefit cost plan models. The team then compared the values to the original source documents, documented any errors, and recorded the NEI value recommended by the source document.

During the review, the team corrected for several possible types of errors, including use of incorrect values, incorrect application of values, incorrect lookup IDs used in the models, omitted NEIs, missing measures or measure categories and associated NEIs, and missing NEI lookup IDs.

The team was also tasked with paying particular attention to the following issues identified by the PAs:

- C&I gas measure NEIs
  - Clarifying the use of custom overall/total value versus end-use-specific NEIs.
  - Clarifying the applicability of C&I prescriptive and custom values for multifamily projects and C&I projects.
  - Clarifying measures that are considered 'other' by the C&I studies, and identifying any NEI values that can be claimed for this measure category.
  - Clarifying hot water measures, including water heaters and applicable NEIs.
  - Clarifying if the PAs should use the PA-specific tables in appendix H of the 2012 C&I report.
- Multifamily projects

- Clarifying whether to apply low-income multifamily NEIs to market-rate multifamily when the NEIs are occupant-only.
- Recommending how to apply the common-area lighting NEI.

The results of the team's analysis are reported in an accompanying spreadsheet. The spreadsheet includes the data fields listed below.

- Applicable core initiative and program (since NEI values for the same measure may differ by core initiative or program) and NEI Lookup IDs. This allows the PAs to choose how they will look up the revised values in their calculation spreadsheets.
- The original NEI value from the PAs' 2019-21 plan models.
- The confirmed NEI value from the NEI source document.
- Flags indicating whether the original and confirmed values disagree.
- For NEIs estimated at the measure category or with ambiguity around which individual measures are included (e.g. C&I HVAC Prescriptive/Custom), identification of the measure(s) to which the NEI applies.
- Columns indicating (1) the source document, (2) the page number of the NEI value, and (3) a link to an electronic copy of the source document, when available.
- Explanatory notes, as necessary.