

C&I Energy Efficiency Program Guidelines

Early Replacement Projects

The following is the minimum information required for energy conservation measures (ECM's) related to early replacement of equipment. These requirements are additional to the minimum requirements stated for project applications in the C&I Program Manual.

For a measure to be eligible for early replacement incentives:

1. At the time of application, the existing equipment cannot exceed its Effective Useful Life (EUL) and should have at least 25% of EUL remaining (See latest version of TRM for updated EUL).

Example: For a chiller with a 20-year EUL, it must be no older than 15 years to meet this requirement. This means that the remaining useful life is 5 years.

2. The existing equipment must be fully functioning. This will be confirmed part of Con Edison pre-inspection while equipment is operating, BMS trend data, equipment service log. Con Edison reserved the right to request additional documentation to verify equipment functionality.
3. Existing equipment must have efficiencies lower than current code values to be eligible for early replacement.

Required Project Documentation

- A. A detailed scope of work that contains all equipment in the proposed measure and sequence of operation for the existing system.
- B. Cooling/heating capacity of the existing equipment and the new energy efficient equipment and its efficiency rating if applicable
 - a. Supported by manufacturer's equipment data sheets or industry standard performance testing results for existing equipment
 - b. Supported by manufacturer's equipment data sheets or AHRI certificate for new equipment
 - c. If unavailable, vintage versions of ASHRAE Standard 90.1 or NYS Energy Code will be used based on the equipment's installation year.
- C. Age of the existing equipment
 - a. Original invoice, bill of sale, construction permit, service log, or nameplate date.

All Non TRM Measures Require the Following Additional Information

- D. An engineering analysis of estimated energy consumption of the existing equipment, estimated energy consumption of the code compliant equipment and the new proposed energy efficient equipment.
- E. Each engineering analysis must include both summer peak kW load and annual kWh usage, or the annual gas usage (in therms) for gas projects.
- F. Each analysis must be provided in a datasheet format such as Excel with savings calculations and algorithms. Calculations in PDF files are not acceptable.

References for EUL Table:

- Latest version of NYS TRM (Appendix P) [NYS State TRM Website- DPS](#)

****Please note that EUL values listed above are subject to change per the latest version of the TRM (Appendix P). The EUL values listed in the current TRM will take precedence***