

# C&I Energy Efficiency Program Guidelines

## Extended Life Custom Projects

The following is the minimum information required for energy conservation measures (ECM's) related to extended life 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 extended life equipment incentives:

1. At the time of application, existing equipment must exceed its Effective Useful Life (EUL) by at least 25% (See latest version of TRM for updated EUL) OR if the age of the existing equipment cannot be determined relative to 125% of its EUL, then the existing equipment energy consumption must exceed that of the new high efficiency model by at least 35% for chillers, and 20% for all other measures to do the same amount of work.
2. There must be a history of significant repair or replacement with used equipment.
3. 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.
4. 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. Supported by original invoice, bill of sale, construction permit, service log, or nameplate date
- D. Actual repair cost, including component replacement for at least the past 2 years
  - a. Supported by invoices or proof of payment
  - b. Total repair cost must be added and summarized in a document

### All Non TRM Measures Require the Following Additional Information

- A. 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.
- B. Each engineering analysis must include both summer peak kW load and annual kWh usage, or the annual gas usage (in therms) for gas projects.
- C. Each analysis must be provided in a datasheet format such as Excel with savings calculations and algorithms. Calculations in PDF format 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.*