

## C&I 2024 Energy Efficiency Program Guidelines

### Eligibility Requirements for Fan Walls

Following is the minimum information required for energy conservation measures (ECM's) related to Fan Wall installation. Projects applying for incentives related to Fan Walls must comply with all applicable requirements listed below.

#### Required Project Documentation

All projects must provide the following documentation:

- A. A detailed scope of work that contains all equipment in the proposed measure and includes existing system operation.
- B. A cost proposal as provided to the customer, including labor and materials
- C. An engineering analysis of the estimated energy savings based on implementation of the proposed measure.
- D. The engineering analysis must include both summer peak kW savings and annual kWh savings.
- E. Use the existing system operation as the baseline. However, NEMA premium efficiency motors must be used in the baseline if the project involves motor replacement. The analysis must be provided in a datasheet format such as Excel with savings calculations and algorithms.**
- F. All project details shall comply with the requirements outlined in the C&I Energy Efficiency Program Manual.

Note: Con Edison can request additional information to better understand the scope and quantify the project savings accurately.

#### Specifications and Eligible Equipment:

- A. The proposed Fan Wall system must be installed with automatic control technology.
- B. System downsizing is not eligible for incentives, the proposed fan wall total cfm capacity should match the baseline system cfm capacity in the savings analysis. If equipment downsizing is resulting from other ECMs that are included in the current scope of work, the applicant must inform the C&I team so that downsizing could be reviewed for potential approval.
- C. ECMs that have been implemented prior to the installation of the fan walls cannot be used to justify fan wall downsizing.

#### Required Technical Data

All incentive applications must include the following technical data:

1. Make and model number of the existing fans or air handlers
2. Make and model number of the proposed fan walls
3. Quantity of fans in the existing and the proposed systems
4. Existing system configuration (packaged air handlers or fan walls/fan arrays)
5. Existing system control (constant speed, variable speed, lead/lag, etc.)
6. Speed control on each existing fan (minimum speed/cfm and maximum speed/cfm)
7. Speed control on each proposed fan (minimum speed/cfm and maximum speed/cfm)
8. Proposed fan performance curves
9. Size of existing and proposed fan motors (hp)
10. Proposed fan wall cfm, voltage, amperage, and kW ratings
11. Proposed fan wall motor efficiency and operating load factor
12. Proposed fan wall motor type (EC, induction, etc.)
13. Proposed fan wall static pressure
14. Annual hours of operation for the fan walls

All applications must include a summary table showing all parameters included in the Required Technical Data section herein for both the existing and the proposed systems. Additionally, a summary outlining how both the existing and proposed fan sequence is required.