Upgrade For Savings

MODERNIZE.
OPTIMIZE.
SAVE.

Technology Eligibility

Eligible Energy Efficiency Measures

The Upgrade For Savings Program provides incentives for retrofitting lighting, HVAC, and other improvements, subject to Program approval. The Program is flexible and allows for a wide range of custom calculated energy efficiency measures including Retrocommissioning (RCx). For basic Program rules related to EE measure eligibility, see Section 3 of the Program Handbook.

Baselines for Energy Savings

All installed equipment must meet Title 24, Title 20, and federal and state standards. Energy savings is calculated by determining the efficiency of the installed equipment and an appropriate baseline informed by the state of the equipment being replaced. For operational equipment and Retro commissioning, existing conditions at the site are used to determine the baseline. For equipment that is not operational, the code (Title 24, Title 20 or federal or state standard) is used as the baseline. If no code exists for equipment that is not operational, the current practice based on standard industry practice or market availability is used.

All savings calculations will be reviewed by the program to verify that they adhere to the guidelines presented in Section 6.2 of the Program Handbook. For assistance in developing the energy savings calculations for your project, please contact Program staff at 415-551-4623 or SaveEnergy@sfwater.org,

Ineligible Energy Efficiency Measures

From Upgrade For Savings Program Handbook:

- An EE measure is ineligible for incentives if it is already under construction before the Incentive Agreement is approved by the Upgrade for Savings Program.
- No incentives are provided for generation, including renewable generation. Renewable generation will not be considered to be electricity savings during evaluation of kWh/yr and kW reduction. See also Section 6.2, Calculation Guidelines.
- No incentives are provided for natural gas or other whole-building non-electric energy source savings. The Upgrade for Savings Program encourages participants to contact their natural gas provider for incentives and services when considering natural gas-saving opportunities.
- Electric savings from fuel switching are excluded from savings calculations. However, equipment rebates are available in the building electrification catalog.
- Installation of used, rebuilt, or remanufactured equipment is not eligible for an incentive.
- Measures which are behavioral, non-permanent, and without fixed and verifiable controls are not eligible for inclusion in the Upgrade for Savings Program; however, the SFPUC will consider exceptions on a case-by-case basis.

- Measures with unjustified baselines are ineligible. For example, a baseline built on the assertion that existing equipment is very inefficient or operates 24 hours per day, without supporting evidence, would be deemed unjustified.
- Equipment retrofit measures that will not sustain 100% of the related energy savings for at least five (5) years from receipt of the Incentive are ineligible. However, the SFPUC may consider limited exceptions to accept a measure with less than five years of operation at the SFPUC's sole discretion.
- Retro commissioning (RCx) measures are permissible in the program but must be supported by energy savings calculations and a plan to maintain associated savings for 3 years.

Partial List of Ineligible Technologies:

The Upgrade for Savings Program provides Incentives for EE measures, subject to Program approval. No incentives are provided for technologies that the Program deems to be ineligible for reasons of persistence, quality, or obsolescence. Provided below is a partial list of ineligible energy efficiency measures to help guide customer applications to the Program. This is not intended to be a comprehensive list of ineligible measures.

General

- Measures installed prior to application approval
- Measures that are not permanently installed and can be easily replaced
  - Examples: Refrigeration additives, high performance hydraulic fluid
- Power factor correction and power conditions equipment
- Duty cyclers
- Server virtualization
- Network desktop power management software

Lighting

- T12 or T8 linear fluorescent lamps and ballasts
- LED technologies not listed on either the DLC Qualified Product List or EnergyStar including fixtures, lamps and retrofit kits
- Lamp style retrofit kits with an internal driver (DLC UL Type B) that operate off line voltage
- Screw-in CFLs
- HID fixtures not equipped with pulse start metal halide or ceramic metal halide lamps and electronic ballasts
- Incandescent lighting used for general illumination - including halogen incandescent and halogen infrared
- LED exit signs

Operations and Maintenance/ Retrocommissioning*

- Non-automated operational changes
- Manual control of equipment
- Routine maintenance
  - Examples: Burned out lamps, HVAC coil cleaning, HVAC filter changes, consumables

*The intent is to encourage measures that result in sustained and efficient system performance.