

Upgrade For Savings

MODERNIZE.
OPTIMIZE.
SAVE.

Technology Eligibility

Eligible Energy Efficiency Measures

The Upgrade For Savings Program provides incentives for 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. For basic Program rules related to EE measure eligibility, see Section 3 of the Program Handbook.

Exceptional Energy Efficiency Measures

The primary criterion for EE measure eligibility is that the energy efficient upgrade measure(s) must meet or exceed Title 24 Code requirements and applicable federal and state standards.

Measures that can demonstrate energy savings and are not covered by Title 24 are considered “Exceptional Measures.” Exceptional Measures can be included under the Program using Industry Standard Practice (ISP) or another approved method, at the SFPUC’s sole discretion and approval. ISP baselines represent the baseline in cases where there are no applicable codes or standards for the technology application, such as with many process or industrial uses. ISP baselines are guided by the rationale of using the “least cost replacement equipment” and are based on utility approved case studies, work papers or other approved technical documentation.

To propose an Exceptional Measure for inclusion in an Upgrade for Savings project application, please contact Program staff at 415-551-4623 or SaveEnergy@sfgwater.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.
- 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.
- 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.

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 linear fluorescent lamps and ballasts
- T8 linear fluorescent lamps that do not meet or exceed [CEE Tier 0](#)
- Linear fluorescent ballasts that do not meet current federal standards (10 CFR 430.32m)
- 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.