July 19, 2023

mass save

Lighting Phase Out Update

WE ARE MASS SAVE®:

BERKSHIRE GAS An AVANGRID Company

Cape Light Compact

EVERSOURCE

Liberty

nationalgrid

Unitil

Federal/State Lighting Standards

- 2021 Climate Act
  - New energy efficiency requirements for screw-based lighting, specifically GSLs, including most reflectors, globes, and candelabras.
  - Prohibits manufacturers from shipping non-compliant screw-based lighting products to Massachusetts.
  - Went into effect January 1, 2022
  - DOER issued guidelines for implementing these efficiency standards, including enforcement, which went into effect January 1, 2023.

•U.S. DOE released two final rules, an enforcement policy statement, and final definitions pertaining to GSLs

  - These expanded definitions of GSLs, which now include most reflectors and candelabras that were previously exempt, require all GSLs to meet a 45 lumen/watt minimum efficiency standard.
  - The enforcement policy allowed retailers to sell non-LED screw-based lamps through June 30, 2023.

Lighting Phase Out

- The Term Sheet to the 2019-2021 Three-Year Plan provides that “the PAs will work with the DOER, the Council, and LEAN on phase out strategies for lighting in the income eligible and commercial industrial sectors based upon evaluation study results and any Department direction. Such strategies, including applicable details and proposed timelines, shall be developed by no later than June 30, 2023.”
- Discussions have been ongoing and there is substantial agreement with some details yet to be filled in.

Income Eligible

- **Lamp only replacements**. The base technology being replaced is almost always an incandescent or halogen lamp. This category encompasses all current bulb installation measures and any fixture with a screw-in lamp for which an LED bulb replacement can be installed.
- **In-unit single family and multifamily fixture replacements**. Over 99% of these measures were multifamily installs in 2022.
- **Multifamily exterior fixture replacements**, both in unit and common area. In 2022, the large majority of these were common area fixtures.
- **Multifamily common area interior fixture replacements**, including linear fluorescent fixture replacements.
- Income Eligible lighting measures are currently cost effective.

Statewide incentives for income eligible lighting by Plan year

2022	2023	2024
$7,235,449	$6,151,714	$4,651,980

Income Eligible

Lighting Measure Categories	2022-2024 Term Recommended Direct Install Activity	2025-2027 Term Recommended Direct Install Activity
Lamp only replacements	Continue with LED lamp replacements in interior or exterior fixtures with screw-in incandescent or halogen lamps.	TBD depending on market activity. DOER/Consultants do not support lamp only replacements in 25-27 Term.
In-unit SF and MF fixture replacements	Replace interior in-unit fixtures that have non-screw-based lamp sockets (e.g. pin-based CFLs, or linear tubes) with an LED fixture. Examine savings and cost effectiveness of integrated occupancy sensors.	Same
MF exterior fixture replacements, both in unit and common area	Replace with an LED fixture	Same
MF common area interior fixture replacements, including linear fluorescent fixture replacements	Replace with an LED fixture that is controlled for both daylight dimming controls and occupancy where appropriate	Same

C&I Lighting

	2022-2024 Term Changes filed with DPU	2025-2027 Term PA Position on Offerings*
Non-Turnkey Lighting	Ended support for screw-based bulbs as of 1 July 2023.	Exclusively support controls and fixtures with controls.
Small Business Turnkey Lighting	Ending support for screw-based bulbs as of 1 January 2024.	Support both controllable and non-controllable fixtures, based on slower market adoption. Modify incentives to promote controls and deeper projects.

*Detail on 2025-2027 offerings will be available in early 2024, pending evaluation results.