

Massachusetts Buildings: Energy and Carbon



27%

**MA emissions from
buildings' onsite fuels**

2.0 million

**Number of existing buildings
in MA that will exist in 2050**

500,000

**Number of new buildings
expected in MA by 2050**

Assistance for Energy Bills

Energy Efficiency can help customers reduce their energy use, but low-income residents may also qualify for other assistance that lowers their energy bills.

Low Income Home Energy Assistance Program (LIHEAP)

- Known commonly as Fuel Assistance, LIHEAP provides eligible households (<60% SMI) with help in paying a portion of winter heating bills of any fuel type.

Discounted Utility Rate

- Often called the R-2, can be other rate codes depending on fuel type
- Usually about a 25% discount on supplied electricity, gas, and/or telephone

Mass Save® “Income Eligible” Program for 1-4 Unit Homes

- Owner earns below 60% of SMI
OR
At least half units occupied by tenants earning below 60% SMI
- 1-4 unit homes including condos
- All heating fuel types: oil, propane, natural gas, electric
- No-cost home energy assessment & no cost installation of recommended efficiency measures
- Auditors and contractors provided by CAP agency



Income Qualified Owners and Renters

# OF HOUSEHOLD MEMBERS	INCOME ELIGIBLE
1	\$39,105
2	\$51,137
3	\$63,169
4	\$75,201

No-Cost Energy Assessment

- Instant energy-saving products: efficient lighting, energy efficient thermostats and power strips, and water saving devices
- Evaluation of existing fridge, freezer, window AC, dehumidifier, clothes washer, dryer to see if eligible for no-cost upgrade
- CAP agency will follow up with recommended measures
- Renters will need Landlord permission to access energy efficiency upgrades



Potential Efficiency Measures

- No-cost insulation (attic, wall, basement), targeted sealing of air leaks and weatherstripping
- No-cost replacement of inefficient equipment and appliances w/ more efficient models
 - Heating systems, including replacing inefficient electric resistance w/ heat pumps
 - Hot water systems
 - Appliances: fridge, freezer, window AC, dehumidifier, clothes washer, dryer
- Funding to remediate installation barriers, including knob & tube, asbestos, vermiculite



Heat Pumps

- Free for electrically heated, oil, and propane income qualified customers
- Low income program hires and pays installer
- In conjunction with insulation and air sealing
- Not available for gas heated retrofit



How to Apply: Mass Save low income 1-4 unit program

- Call local CAP agency-
<https://www.masscap.org/agencies/>
- Customers on fuel assistance (LIHEAP) are already qualified.
- Customers who are not already qualified will need to verify income in-person with their CAP agency.
 - Call in advance to confirm you have all paperwork required.



Mass Save Income Eligible Program Case Study –

Project Summary

- Two-story, two-family home built in early 1900s.
- Two oil boilers needed constant repairs and the oil tanks needed monthly refills
- Springfield Partners for Community Action Inc. installed measures

Solution

- Received **instant-savings measures** as well as **replacement of aging appliances**.
- Two oil boilers were replaced with **two high efficiency boilers with steam pipe insulation**.
- Drafty **leaks were sealed**, doors were **weather-stripped**, and **insulation** was added throughout the house.



Annual Energy Savings: 5,044 kWh

Annual Cost Savings: \$2,517

Total Project Cost: \$31,727

Eversource Incentive: 100%

Net Cost to the Customer: \$0

Getting your parking ready for electric vehicles



- **Electric Vehicle Make Ready Program** pays for infrastructure to connect the charger to the electric grid.
 - Eversource and National Grid customers are eligible
 - Owner is responsible for paying for the EV charger
- **MassEVIP Multi-Unit Dwelling Charging Incentive** program reimburses multifamily charger owners up to 60% of the cost of charger