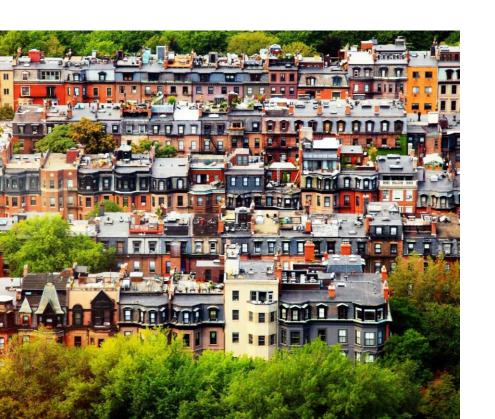
Massachusetts Buildings: Energy and Carbon



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 Effiency 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 agencyhttps://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