Household Energy Use in Massachusetts

A closer look at residential energy consumption

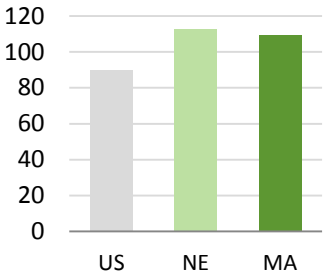
All data from EIA's 2009 Residential Energy Consumption Survey
www.eia.gov/consumption/residential/

- Massachusetts households use 109 million Btu of energy per home, 22% more than the U.S. average.
- The higher than average site consumption results in households spending 22% more for energy than the U.S. average.
- Less reliance on electricity for heating, as well as cool summers, keeps average site electricity consumption in the state low relative to other parts of the U.S. However, spending on electricity is closer to the national average due to higher prices in New England.

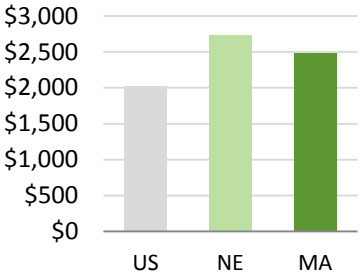
DIVISION: New England (NE)
STATES INCLUDED:
Connecticut, Massachusetts, Maine, New Hampshire, Rhode Island, Vermont

ALL ENERGY *average per household (excl. transportation)*

Site Consumption
million Btu

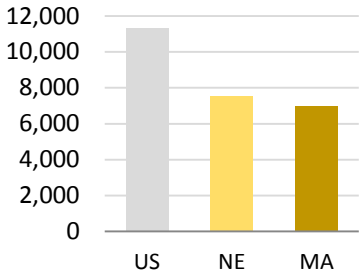


Expenditures
dollars

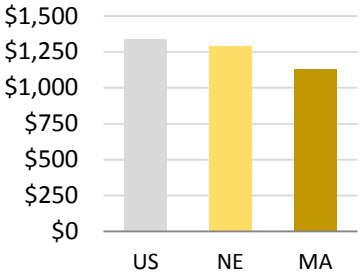


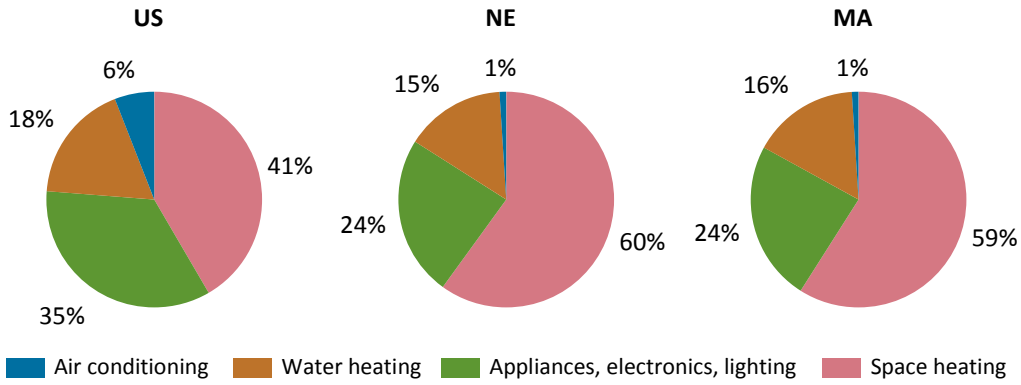
ELECTRICITY ONLY *average per household*

Site Consumption
kilowatthours



Expenditures
dollars

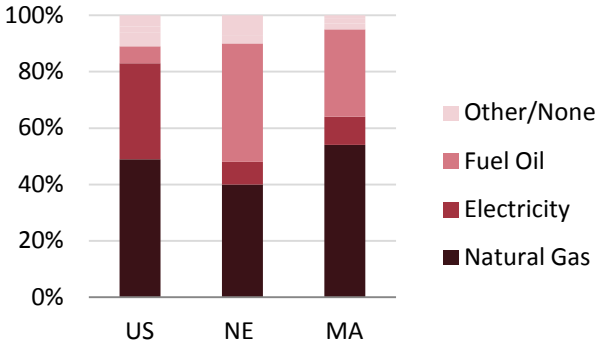




CONSUMPTION BY END USE

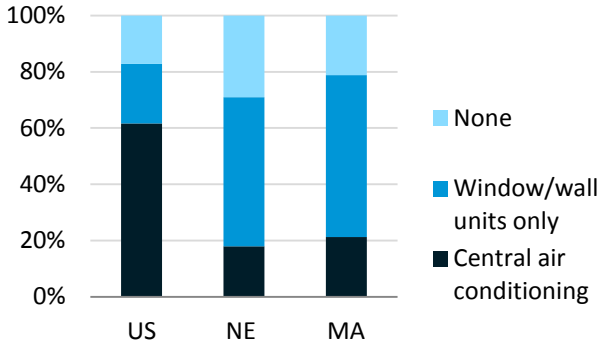
Since the weather in Massachusetts and New England is cooler than other areas of the United States, space heating makes up a greater portion of energy use in homes (59%) compared to the U.S. average, and air conditioning makes up only 1% of energy use.

MAIN HEATING FUEL USED



Compared to the U.S. average, a greater proportion of Massachusetts residents use fuel oil (31%) and a much smaller proportion of residents use electricity (10%).

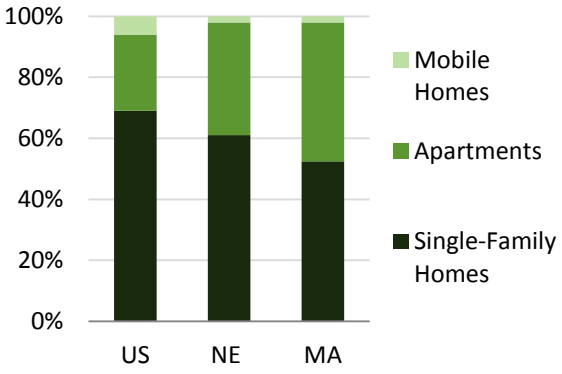
COOLING EQUIPMENT USED



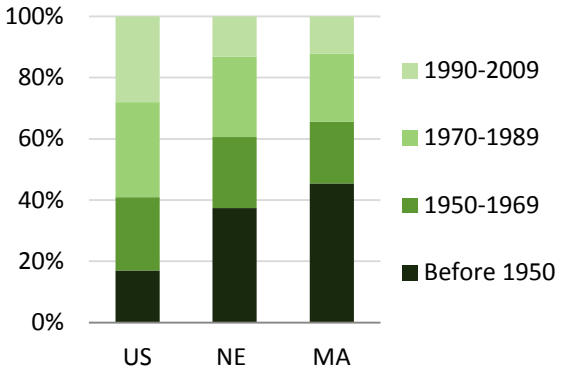
More than 20% of Massachusetts households do not use air conditioning, and those that do still predominantly rely on individual window/wall units for cooling.

More highlights from RECS on housing characteristics and energy-related features per household…
US = United States | NE = New England | MA = Massachusetts

HOUSING TYPES



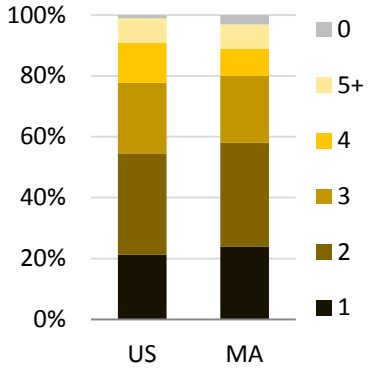
YEAR OF CONSTRUCTION



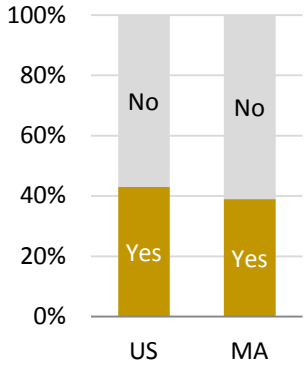
AVERAGE SQUARE FOOTAGE

US	1,971
NE	2,232
MA	2,076

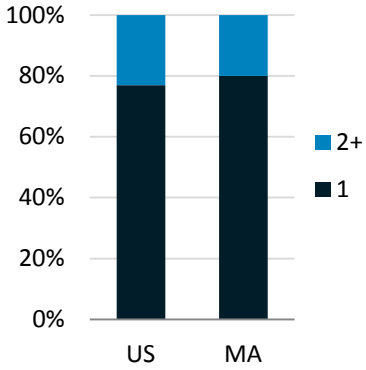
NO. OF TELEVISIONS



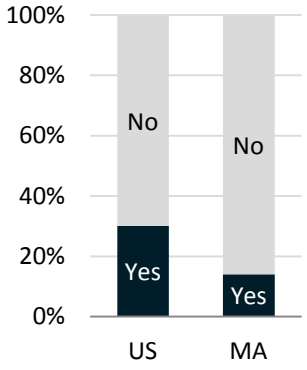
HAVE A DVR



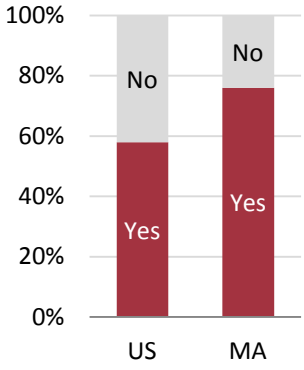
NO. OF REFRIGERATORS



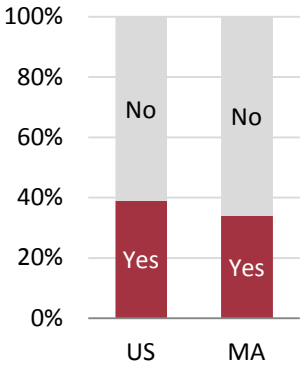
HAVE A SEPARATE FREEZER



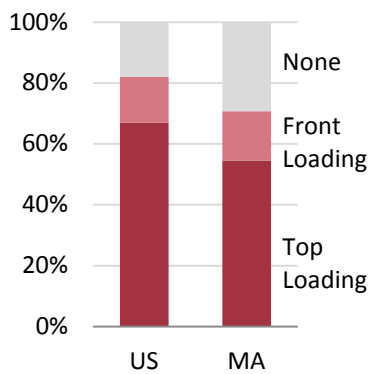
HAVE DOUBLE/TRIPLE PANE WINDOWS



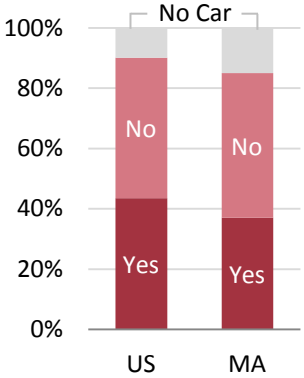
HAVE A PROGRAMMABLE THERMOSTAT



TYPE OF CLOTHES WASHER



CAR IS PARKED WITHIN 20 FT OF ELECTRICAL OUTLET



About the Residential Energy Consumption Survey (RECS) Program

The RECS gathers energy characteristics through personal interviews from a nationwide sample of homes, and cost and consumption from energy suppliers.

The 2009 RECS is the thirteenth edition of the survey, which was first conducted in 1978.

Resulting products include:

- Home energy characteristics
- Average consumption & cost
- Detailed energy end-use statistics
- Reports highlighting key findings
- Microdata file for in-depth analysis

www.eia.gov/consumption/residential/