

# Household Energy Use in Michigan

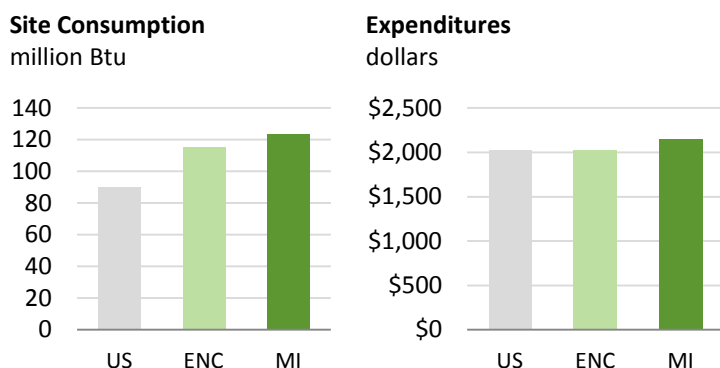
## A closer look at residential energy consumption

All data from EIA's 2009 Residential Energy Consumption Survey  
[www.eia.gov/consumption/residential/](http://www.eia.gov/consumption/residential/)

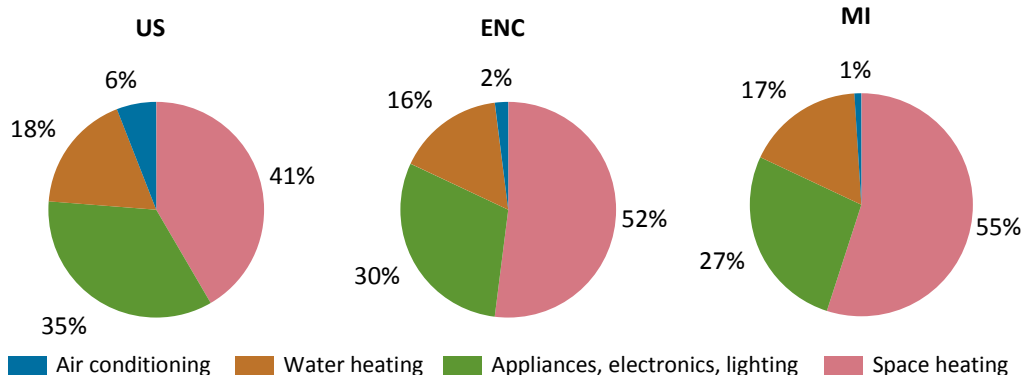
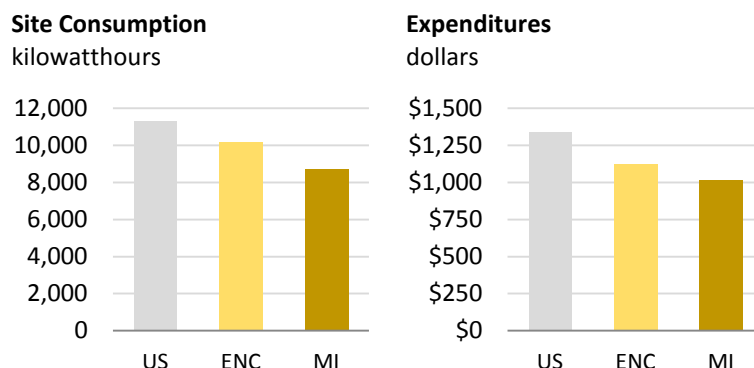
- Michigan households use 123 million Btu of energy per home, 38% more than the U.S. average.
- High consumption, combined with low costs for heating fuels compared to states with a similar climate, result in Michigan households spending 6% more for energy than the U.S. average.
- Less reliance on electricity for heating, as well as cool summers keeps average site electricity consumption in the state low relative to other parts of the U.S.
- Michigan homes are typically older than homes in other states.



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



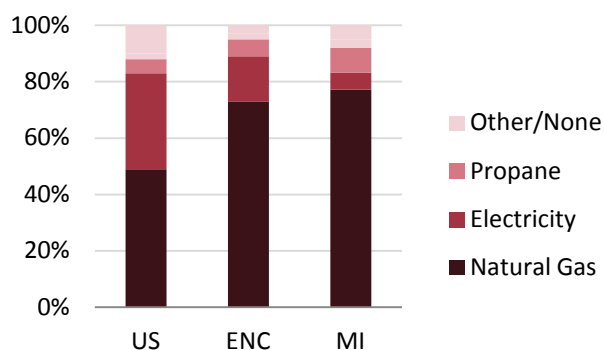
### ELECTRICITY ONLY average per household



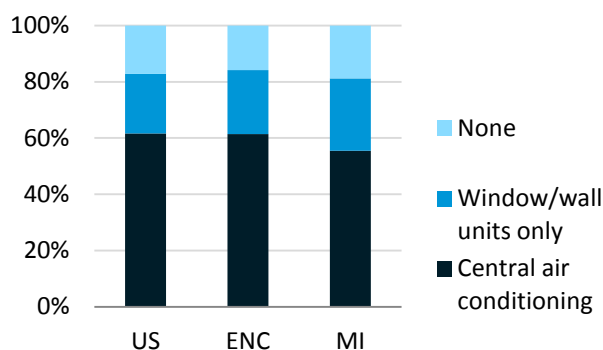
### CONSUMPTION BY END USE

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

### MAIN HEATING FUEL USED



### COOLING EQUIPMENT USED



Compared to the U.S. average, a greater proportion (78%) of Michigan residents use natural gas for heating and a smaller proportion of residents (6%) use electricity for heating.

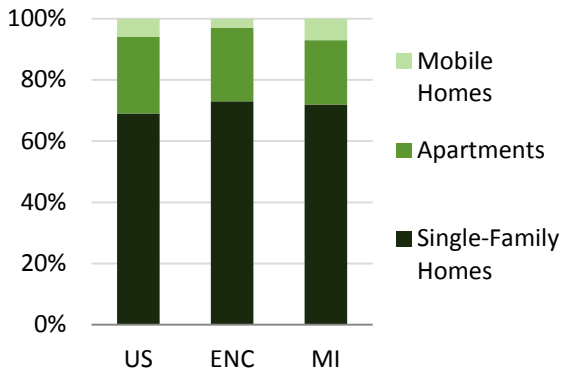
Nearly 20% of Michigan households do not use air conditioning, but those that do still predominantly rely on central air conditioning for cooling.



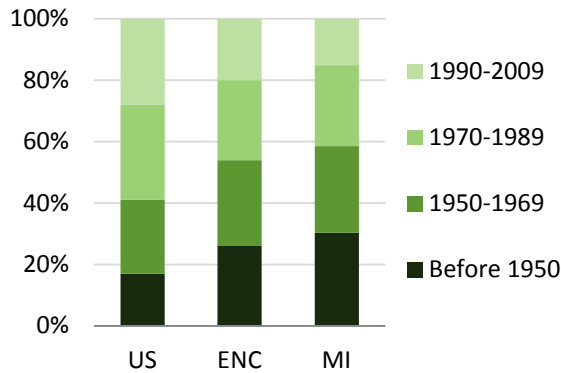
More highlights from RECS on housing characteristics and energy-related features per household...

US = United States | ENC = East North Central | MI = Michigan

### HOUSING TYPES



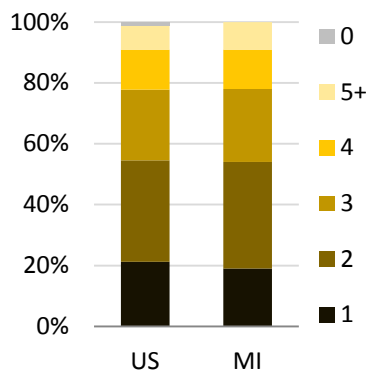
### YEAR OF CONSTRUCTION



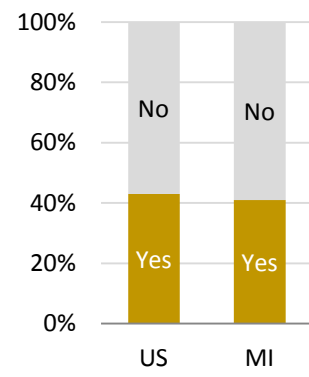
### AVERAGE SQUARE FOOTAGE

|            |              |
|------------|--------------|
| <b>US</b>  | <b>1,971</b> |
| <b>ENC</b> | <b>2,251</b> |
| <b>MI</b>  | <b>1,954</b> |

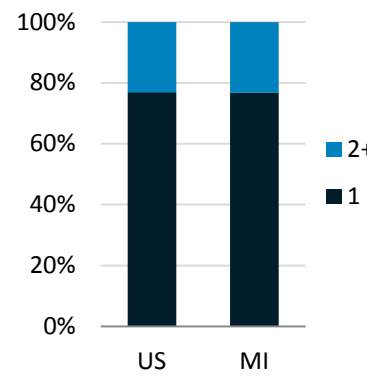
### NO. OF TELEVISIONS



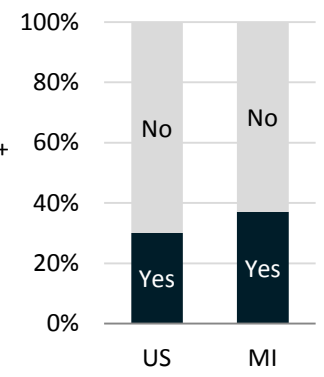
### HAVE A DVR



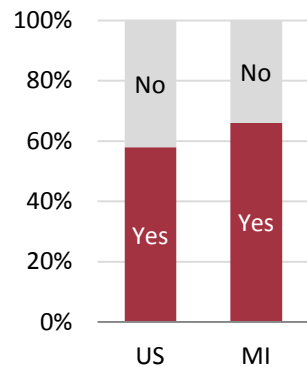
### NO. OF REFRIGERATORS



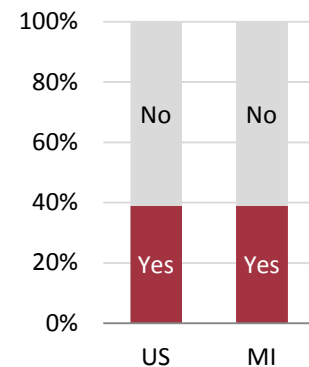
### HAVE A SEPARATE FREEZER



### HAVE DOUBLE/TRIPLE PANE WINDOWS



### HAVE A PROGRAMMABLE THERMOSTAT



### 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.

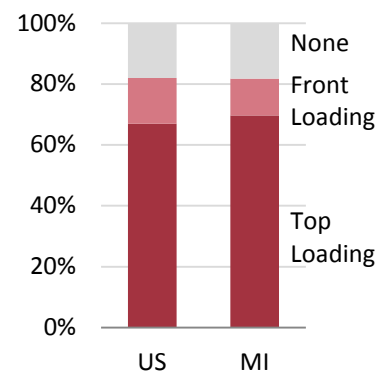
The 2009 RECS is the thirteenth edition of the survey, which was first conducted in 1978.

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/](http://www.eia.gov/consumption/residential/)

### TYPE OF CLOTHES WASHER



### CAR IS PARKED WITHIN 20 FT OF ELECTRICAL OUTLET

