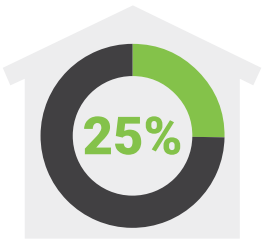
MICHIGAN

Residential Energy Efficiency Potential

Cost-effective package savings potential in Michigan single-family homes

- **2.3 billion** dollars per year utility bill savings
- **109.8 trillion** Btu per year gas, propane, and fuel oil savings
- **8.2 billion** kWh per year electricity savings
- **2.7 million** cars of pollution reduction



Energy used by Michigan single-family homes that can be saved through cost-effective improvements

87,013

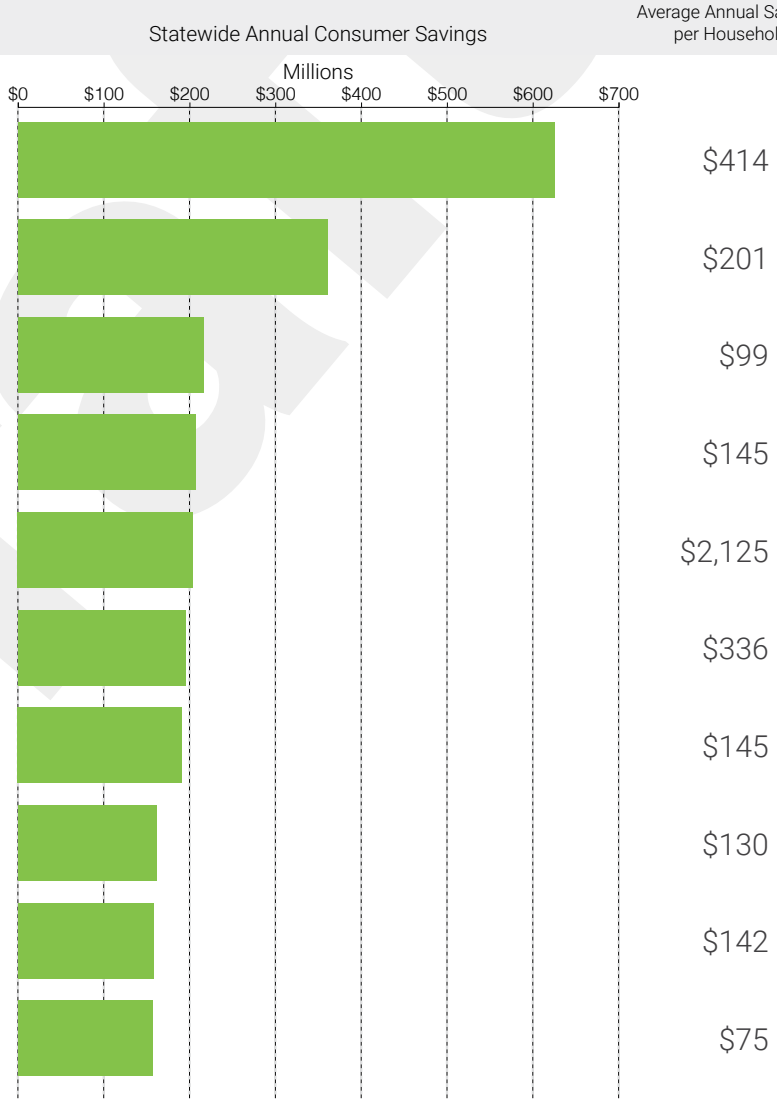
Michigan jobs in energy efficiency (2016)[1]

Michigan Top 10 Improvements

* Pays back in less than 5 years for most households

Enclosure		Drill-and-fill wall cavity insulation
Enclosure		R-10 basement wall insulation
HVAC	*	Smart thermostat
Lighting		LED lighting (replace incandescents)
HVAC	*	High-efficiency heat pump (replace electric furnace at wear out)
Enclosure		R-5 insulated wall sheathing (at siding replacement)
Enclosure		Insulate attic to R-38/49/60
HVAC		Duct sealing & insulating
Enclosure		Low-E storm windows (DIY install)
Enclosure		Air sealing

Michigan Utility Bill Savings (electricity, gas, propane, and fuel oil)



[1]U.S. Department of Energy. January 2017. *U.S. Energy and Employment Report*

Economic potential savings estimates were produced using **ResStock**, a highly granular model of the U.S. single-family housing stock. Visit http://www.nrel.gov/buildings/resstock.html for more information. Economic potential is based on improvements with positive net present value for building owners, assuming full turnover of the stock of equipment and appliances over a 30 year period.

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Technical Reference: Wilson, E., Christensen, C., Horowitz, S., Robertson, J., Maguire, J.. *Electric End-Use Energy Efficiency Potential in the U.S. Single-Family Housing Stock*. NREL/TP-5500-65667. National Renewable Energy Laboratory (NREL), 2016. http://www.nrel.gov/docs/fy17osti/65667.pdf

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