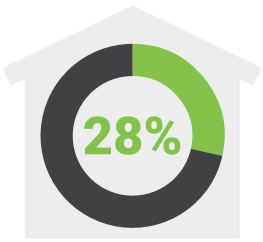
ALABAMA

Residential Energy Efficiency Potential

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

- **1.0 billion** dollars per year utility bill savings
- **14.3 trillion** Btu per year gas, propane, and fuel oil savings
- **6.8 billion** kWh per year electricity savings
- **1.2 million** cars of pollution reduction



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

30,203

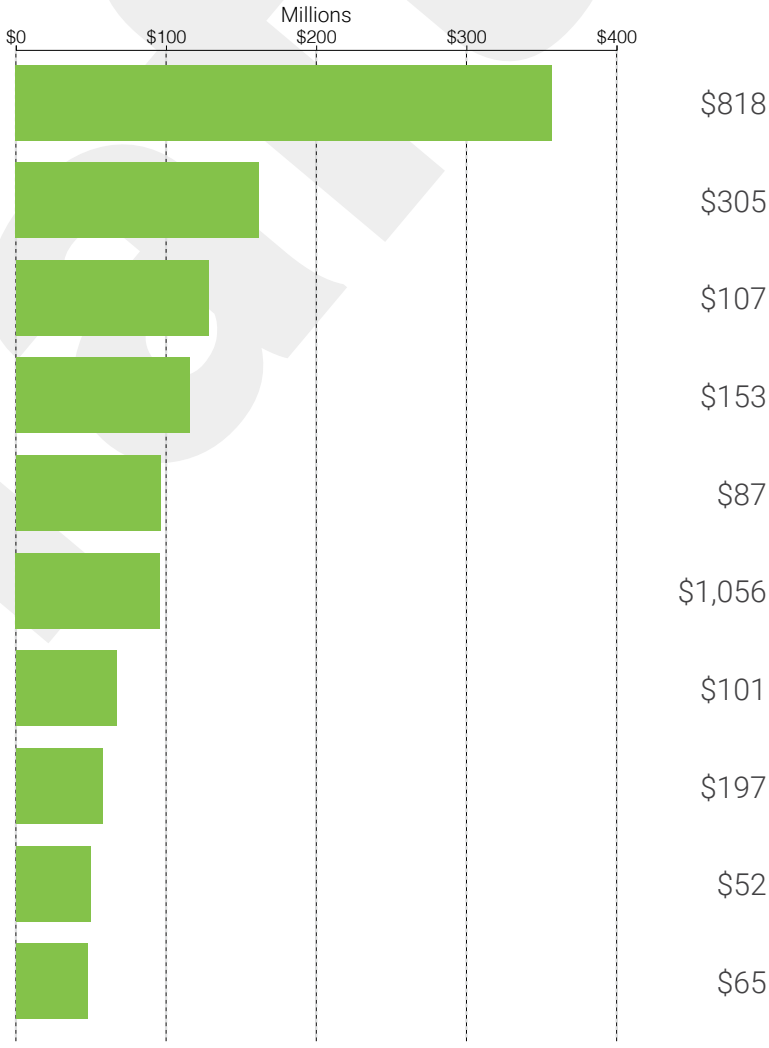
Alabama jobs in energy efficiency (2016)[1]

Alabama Top 10 Improvements

* Pays back in less than 5 years for most households

HVAC	*	High-efficiency heat pump (replace electric furnace at wear out)
Enclosure		Drill-and-fill wall cavity insulation
HVAC	*	Smart thermostat
Enclosure		Insulate attic to R-38/49/60
HVAC		Duct sealing & insulating
HVAC		High-efficiency heat pump (replace propane furnace at wear out)
Lighting		LED lighting (replace incandescents)
Water Heating		Heat pump water heater (replace electric water heater at wear out)
HVAC		SEER 16 central air conditioning
Enclosure		Air sealing

Alabama 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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