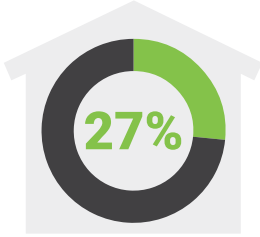




# Residential Energy Efficiency Potential

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

- 534.3** million dollars per year utility bill savings
- 11.1** trillion Btu per year gas, propane, and fuel oil savings
- 3.8** billion kWh per year electricity savings
- 716,959** cars of pollution reduction



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



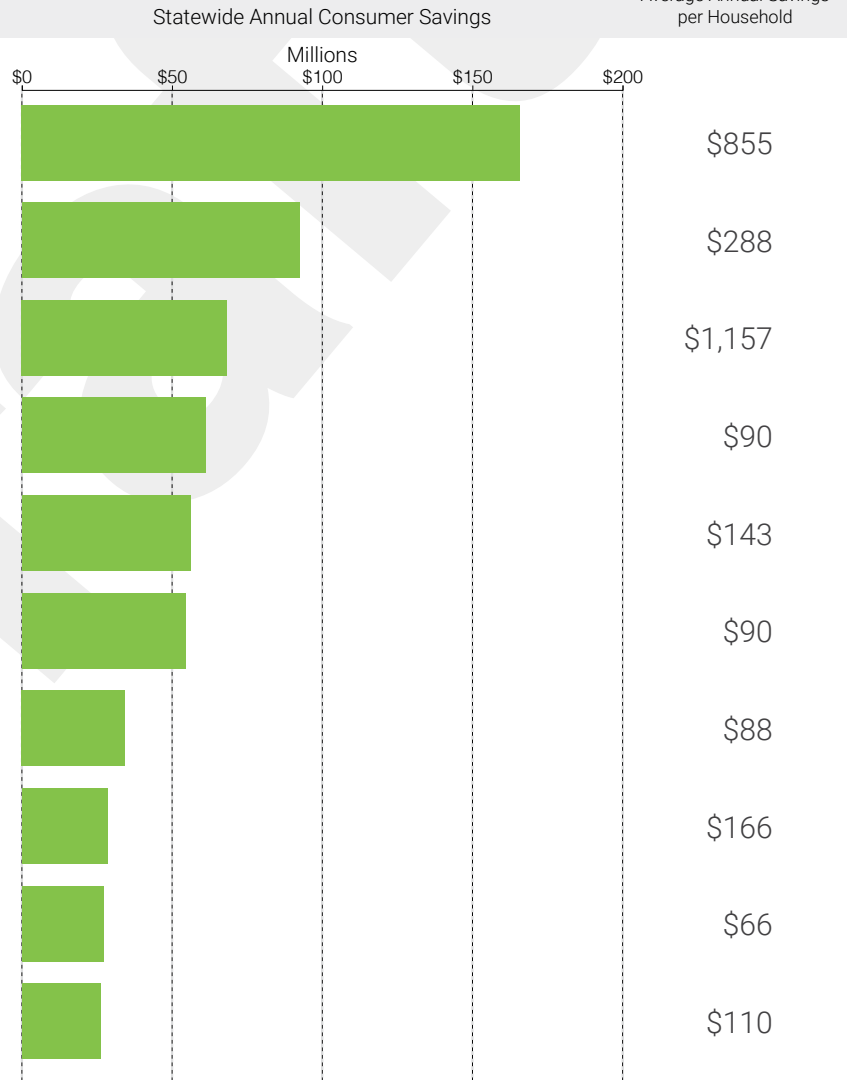
Arkansas jobs in energy efficiency (2016)<sup>1</sup>

## Arkansas Top 10 Improvements

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

\* 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** High-efficiency heat pump (replace propane furnace at wear out)
- HVAC** \* Smart thermostat
- Enclosure** Insulate attic to R-38/49/60
- HVAC** Duct sealing & insulating
- Lighting** LED lighting (replace incandescents)
- Enclosure** R-10 crawlspace walls
- Enclosure** Air sealing
- Enclosure** Low-E storm windows (DIY install)



<sup>1</sup>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.  
 This work was supported by the U.S. Department of Energy Building Technologies Office and the Office of Energy Policy and Systems Analysis. Point of contact: Erin Boyd, [Erin.Boyd@hq.doe.gov](mailto:Erin.Boyd@hq.doe.gov)  
**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>