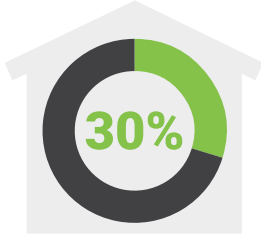




Residential Energy Efficiency Potential

Cost-effective package savings potential in South Carolina single-family homes

- 956.6** million dollars per year utility bill savings
- 10.7** trillion Btu per year gas, propane, and fuel oil savings
- 6.4** billion kWh per year electricity savings
- 1.1** million cars of pollution reduction



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



South Carolina jobs in energy efficiency (2016)¹

South Carolina Top 10 Improvements

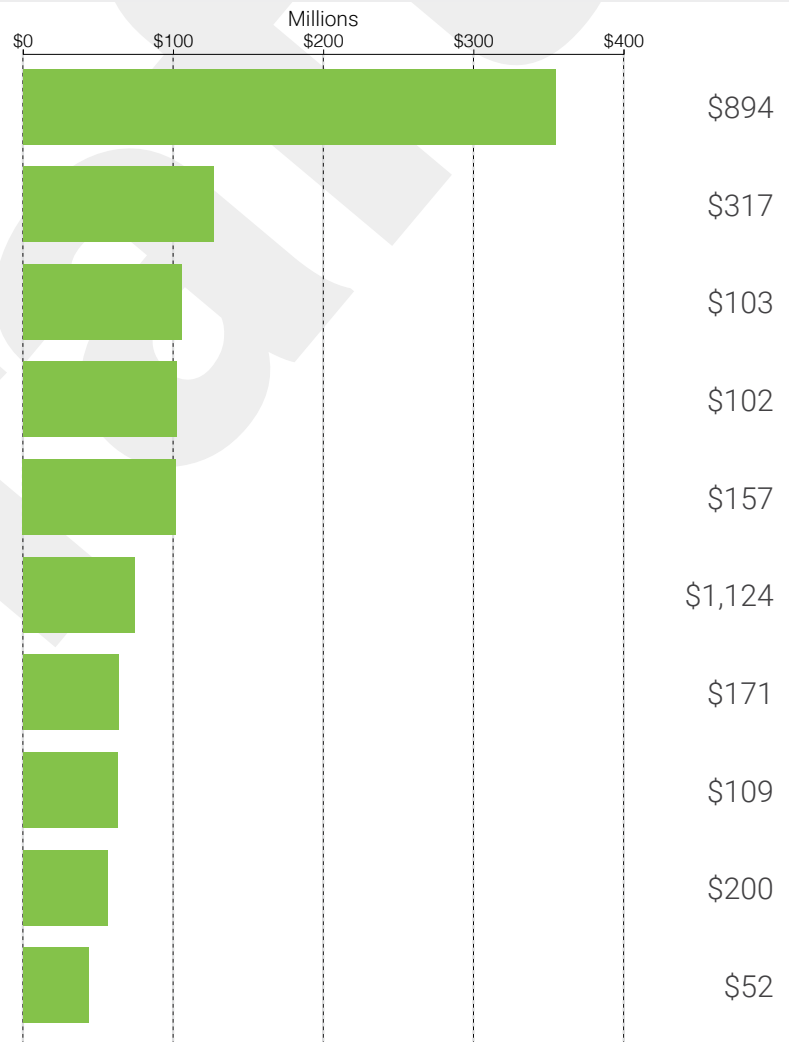
* Pays back in less than 5 years for most households

- | | | |
|----------------------|--|--|
| HVAC | | * High-efficiency heat pump (replace electric furnace at wear out) |
| Enclosure | | Drill-and-fill wall cavity insulation |
| HVAC | | * Smart thermostat |
| HVAC | | Duct sealing & insulating |
| Enclosure | | Insulate attic to R-38/49/60 |
| HVAC | | High-efficiency heat pump (replace propane furnace at wear out) |
| Enclosure | | R-10 crawlspace walls |
| Lighting | | LED lighting (replace incandescents) |
| Water Heating | | Heat pump water heater (replace electric water heater at wear out) |
| HVAC | | SEER 16 central air conditioning |

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

Statewide Annual Consumer Savings

Average Annual Savings per Household



¹U.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>