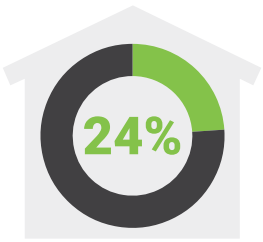
KANSAS

Residential Energy Efficiency Potential

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

- **529.9 million** dollars per year utility bill savings
- **18.3 trillion** Btu per year gas, propane, and fuel oil savings
- **2.7 billion** kWh per year electricity savings
- **656,750** cars of pollution reduction



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

16,339

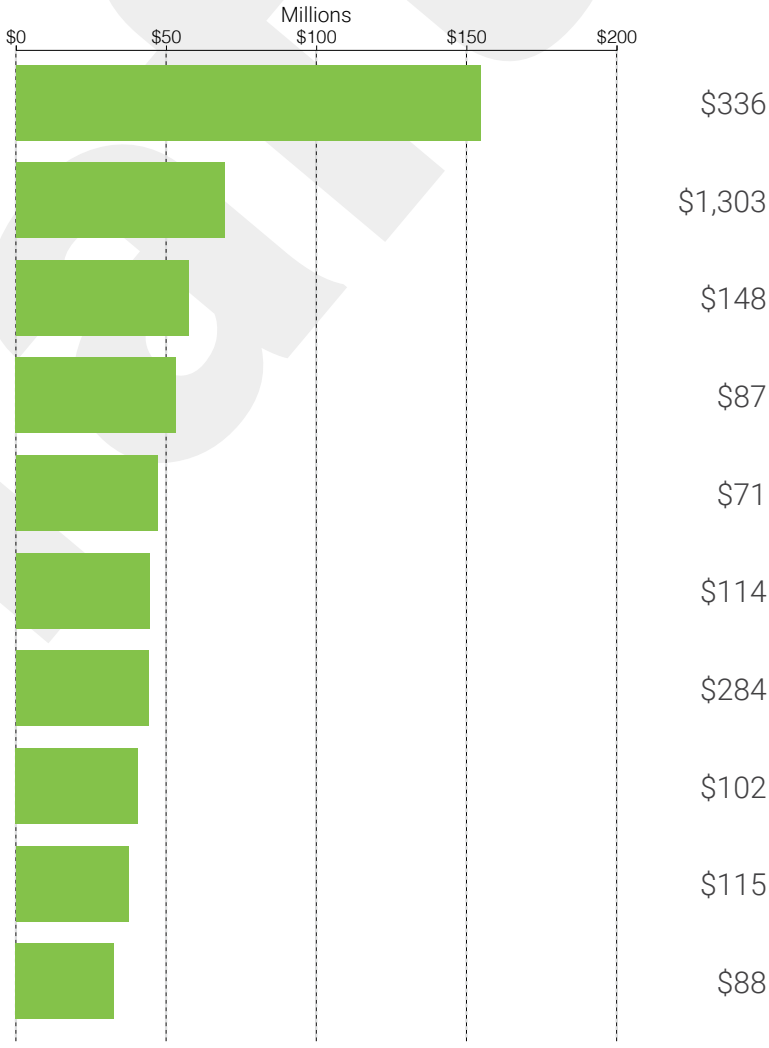
Kansas jobs in energy efficiency (2016)[1]

Kansas Top 10 Improvements

* Pays back in less than 5 years for most households

Enclosure		Drill-and-fill wall cavity insulation
HVAC	*	High-efficiency heat pump (replace electric furnace at wear out)
Enclosure		R-10 basement wall insulation
HVAC	*	Smart thermostat
Enclosure		Air sealing
Lighting		LED lighting (replace incandescents)
Enclosure		R-5 insulated wall sheathing (at siding replacement)
Enclosure		Insulate attic to R-38/49/60
Enclosure		Low-E storm windows (DIY install)
HVAC		SEER 18 central air conditioning

Kansas 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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