IOWA

Residential Energy Efficiency Potential

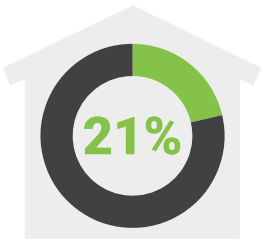
Cost-effective package savings potential in Iowa single-family homes

584.2 million dollars per year utility bill savings

24.6 trillion Btu per year gas, propane, and fuel oil savings

2.4 billion kWh per year electricity savings

714,896 cars of pollution reduction



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

18,845

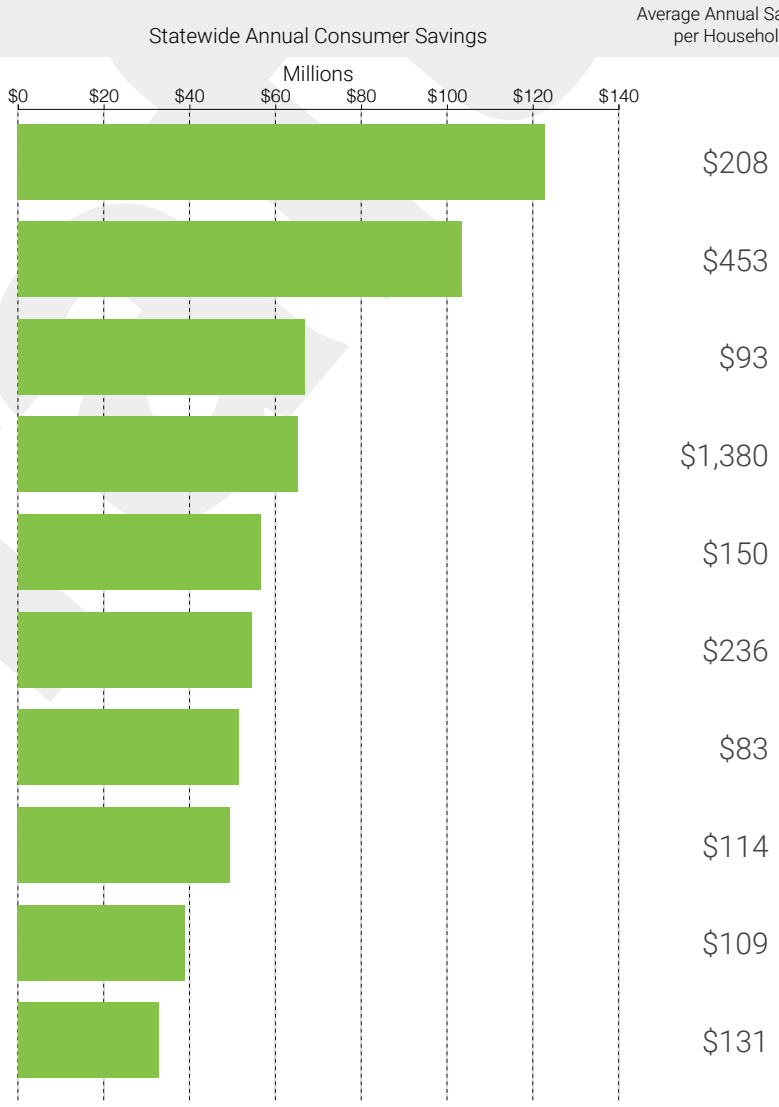
Iowa jobs in energy efficiency (2016)[1]

Iowa Top 10 Improvements

* Pays back in less than 5 years for most households

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

Iowa 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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