COLORADO	Reside

Energy used by Colorado singlefamily homes that can be saved through costeffective

improvements

## entia Energy Efficiency Potential

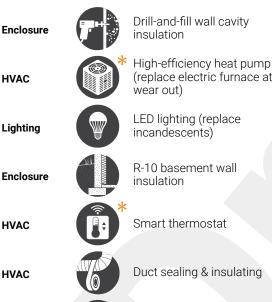
Colorado

## Cost-effective package savings potential in Colorado singlefamily homes

1	<b>\$ 511.2</b> million	dollars per year utility bill savings
	<b>22.9</b> trillion	Btu per year gas, propane, and fuel oil savings
29,756	<b>2.5</b> billion	kWh per year electricity savings
olorado jobs in energy efficiency (2016) <sup>1</sup>	es 685,994	cars of pollution reduction
Colorado Utility B	ill Savings (electricity, gas, p	propane, and fuel oil)
Statewide	Average Annual Savings per Household	

## Colorado Top 10 Improvements

\* Pays back in less than 5 years for most households



(replace electric furnace at wear out) LED lighting (replace incandescents)

R-10 basement wall insulation

Smart thermostat

HVAC

Enclosure

HVAC

Duct sealing & insulating

Insulate attic to R-38/49/60 Ductless heat pump

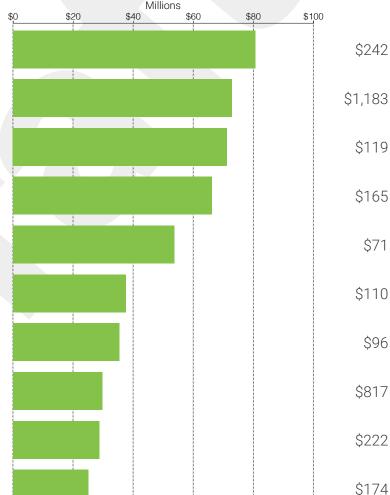
<sup>1</sup>U.S. Department of Energy. January 2017. U.S. Energy and Employment Report

(displaces electric

Enclosure

Enclosure

baseboard) R-10 crawlspace walls R-5 insulated wall sheathing (at siding replacement)



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 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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