



## Identifying Solutions



Working with the Bonneville Power Administration, NREL developed a version of ResStock specific to the Pacific Northwest region that they can use to optimize how energy efficiency improvements are incentivized, and how they tie into the electricity generation and distribution strategy for the region.



Radiant Labs, a software company, has built a suite of analytics tools for Boulder, Colorado, that leverages the ResStock analysis capabilities. A targeting platform

can be used to identify ideal candidates for deep home energy improvements, while a dashboard provides homeowners with the economic narrative for pursuing a deep energy reduction strategy.



NREL is partnering with Tendril, which provides customer engagement and connected home energy management solutions for utility companies. NREL is building and validating ResStock load modeling capabilities so Tendril can estimate the potential for reducing peak demand in different utility service territories.

## Contact

Reach out to the NREL team to learn how ResStock can benefit your organization.

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## Resources

*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>

Learn more at the ResStock Analysis Tool website: <https://www.nrel.gov/buildings/resstock.html>.

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## Key Research Results

### National-Scale Analysis

A comprehensive set of maps, tables, and figures showing the technical and economic potential of 50+ residential energy efficiency improvements and packages for 48 states with the potential to save \$49 billion annually.

### Open, Accessible, and Accurate

Open-source software capabilities for modeling the U.S. housing stock with a high granularity across climate zones, ages, fuel types, construction practices, and occupant behavior.



Details on the technical and economic potential of residential energy efficiency improvements and packages are available for 48 U.S. states. Photo by Dennis Schroeder, NREL 45446



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