

Residential Building Stock Assessment



What is the Residential Building Stock Assessment (RBSA)?

The Residential Building Stock Assessment (RBSA) is the official name of a research study designed to inform future energy planning efforts here in the Northwest. Study results will be used to identify the potential for energy efficiency programs and rebates offered by the region's utilities, the Energy Trust of Oregon, and the Bonneville Power Administration.

Who conducts this study?

On behalf of the region, the Northwest Energy Efficiency Alliance (NEEA) conducts this comprehensive research study of energy efficiency in Northwest residential buildings—officially called Residential Building Stock Assessment (RBSA).

Cadmus, an environmental consulting and research company, conducted the field work and analyzed the home energy use site visits required in this project. This work is a planned part of NEEA's 2015-19 Business Plan.

What is this study's purpose? How will the information be used?

The study, which gathers information on how people use energy in residential buildings, supports the region by serving as a central repository of regional housing and home characteristics. Utilities use it to help develop integrated resource plans. It also serves as the basis for many of the region's energy calculations and modeling efforts. In addition, the continued repetition of the RBSA helps the alliance identify energy trends within housing sectors and various equipment categories.

How will the information be shared?

NEEA will make the resulting reports and data from the Residential Building Stock Assessment publicly available on their website at neea.org.

How long does the assessment take to conduct?

The entire project spans almost three years from start to completion. The actual site assessments of homes takes approximately 18 months across all three building types, and is subject to oversample size.

How many homes were surveyed?

The assessment includes over 1,300 sites, across all three building types, plus 700 additional sites for oversamples.

What is the purpose of the data collection protocols and database user manual documents?

The **data collection protocols** document outlines communication, customer contact and field protocols for field technicians as approved at the start of the RBSA II data collection phase. The **database user manual** describes the RBSA II database structure and contents, steps for applying weights to the data and instructions for importing the data into Microsoft Access.

Where can I find the RBSA reports and data?

Once published, all of the RBSA results will be hosted online at neea.org/data.

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