Eugene Water & Electric Board

May 25th, 2023
This Presentation Covers:

A way to describe a home’s energy efficiency: Home Energy Score
A summary of the homes that are participating in the Bethel Clean Energy project
EWEB’s rebate and loan offerings for energy efficiency, water efficiency, and resiliency
Conservation is cheaper than new power plants

For more than 40 years, the Eugene Water & Electric Board has been a leader in promoting strong and innovative conservation programs.

Improving residential energy efficiency helps to:

- Improve comfort & save families money on energy bills
- Reduce wasted energy & carbon emissions
- Foster growth of energy efficiency jobs in local economy
- Mitigate health impacts of homes, including mold, allergens, and pests
US Department of Energy developed the Home Energy Score in ~2016 (EWEB is a partner)

A “miles-per-gallon” rating for homes
An affordable, reliable, & easy way to understand a home’s energy performance
EWEB made modifications for flexibility
Encourages clean electricity
Allows for remote assessments
Allows for manufactured homes, apartments
The Score is more useful than looking at prior utility bills.

Assumes average weather for that location.

Controls for impacts due to occupant behavior by assuming “average” behavior for all homes.

Score of 1: High energy costs, expected to use more energy each year than 85% of U.S. homes.

Score of 5: Average energy costs, ~50% of homes in the U.S. use less energy.

Score of 10: Low energy costs, expected to use less energy than 90% of U.S. homes.

Score with Improvements: Reflects how the home will score if cost-effective efficiency improvements are made.

See EWEB website for example report: [https://www.eweb.org/documents/energy-efficiency/homeenergyscore_sample_scorecard.pdf](https://www.eweb.org/documents/energy-efficiency/homeenergyscore_sample_scorecard.pdf)
What are the participating homes like?

A variety of homes:
Mostly older (average year built=1967)
Modestly-sized (average size=1154sf)
Mostly electric heat, ~a third using electric resistance heat
How did participating homes score?

The average score was 4.2 in this group of homes. If improvements are made, the average score would be 8.6
What are the annual energy costs for participating homes?

Annual energy costs range from $298-$3288/yr with an average of $1953/yr
What energy improvements are recommended?
How much energy would be saved?

Annual savings range from $237-$1729/yr, with an average of $564/yr.
EWEB can help with the costs of improvements

- Rebates or 0% interest loans
- Additional funding for limited income households