



Energy Performance Score

brought to you by Energy Trust of Oregon

Energy Performance Score is a tool to assess a home's energy consumption, costs and carbon footprint.

Energy Performance Score is a tool to assess the energy consumption and carbon footprint of a newly constructed home. The lower the score, the better—a low EPS identifies a home as energy efficient with a smaller carbon footprint and lower energy costs.

Estimated Monthly Energy Costs

\$114*

Estimated average energy costs per month: Electric \$82, Natural gas \$32

Estimated average annual energy costs:

\$1,368*

Location:

12345 SE Example Street, Portland, OR 97215

YEAR BUILT: 2010

SQ. FOOTAGE: 2,112

EPS ISSUE DATE: 9-17-11

Utilities:

Gas: NW Natural

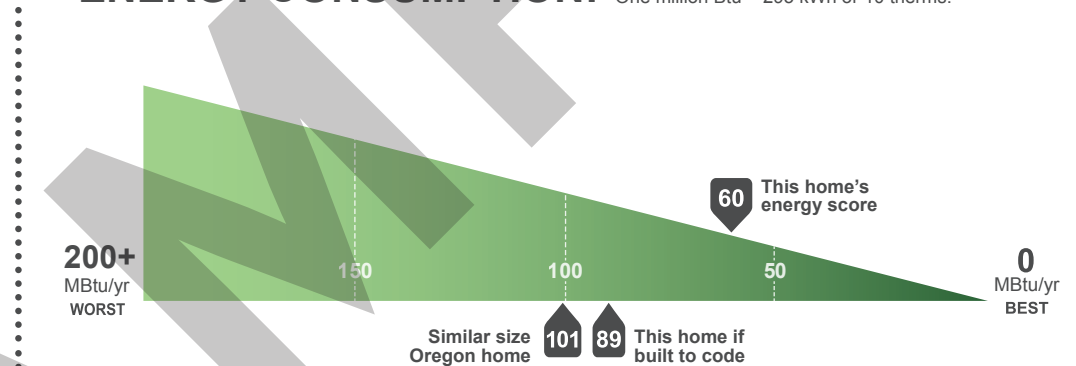
Electric: Portland General Electric

Energy Score

60

ENERGY CONSUMPTION:

Measured in millions of Btu per year (MBtu/yr). One million Btu = 293 kWh or 10 therms.

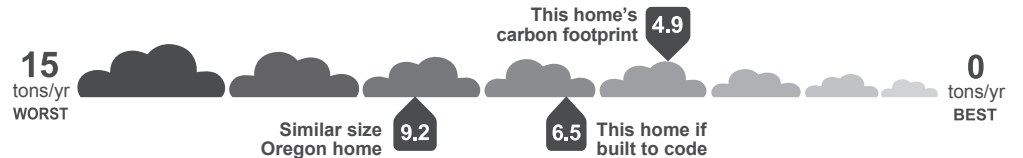


Estimated average energy usage: Electric (kWh): 512*, Natural gas (therms): 491

*Includes solar energy

CARBON FOOTPRINT:

Measured in tons of carbon dioxide per year (tons/yr). One ton ≈ 2,000 miles driven by one car (typical 21 mpg car).



Estimated average carbon footprint: Electric (tons/yr): 3.1, Natural gas (tons/yr): 1.8

*Actual energy costs are based on many factors such as occupant behavior and weather. A home's EPS takes into account the energy-efficient features installed in the home, but does not account for occupant behavior.



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+ Energy-efficient features that contribute to this home's score:

Insulated Ceiling: R-49
Insulated Walls: R-24
Insulated Floors: R-38

Efficient Windows: U-0.30
Efficient Lighting: 80%
Water Heater: Tankless 0.82 EF

Space Heating: 94% AFUE Furnace
Envelope Tightness: 5 ACH @ 50Pa
Solar Water Heating

What was considered in developing this score?

A home's EPS is based on the energy-efficient features listed above as well as the home's size and specific design. Improvements and updates made to the home after the issue date will impact its EPS. EPS does not factor in occupant behavior, and as a result, actual energy costs may vary.

USEFUL TERMINOLOGY

Energy-efficient features

R-Value: Rates the efficiency of insulation; a higher R-Value signals improved performance of floor, ceiling and wall insulation.

U-Value: Indicates the rate of heat loss in windows; a lower U-Value demonstrates the effectiveness of a window, resulting in a more comfortable home.

ACH @ 50Pa: Total air changes per hour at 50 pascals; a low number signifies a properly-sealed home with fewer air leaks.

EF: Energy Factor for water heaters or appliances; the higher the EF, the more energy efficient the model.

Energy score

The Energy Performance Score is displayed in millions of Btu per year.

A Btu or British Thermal Unit is a measurement of the heat content of fuel. One Btu ≈ the energy produced by a single wooden match.

Carbon footprint

A home's energy consumption affects carbon emissions and impacts the environment. The carbon calculation for EPS is based on emissions from the utility-specific electricity generation method and natural gas consumption of the home.

Similar size Oregon home

Energy: The energy consumption of an average Oregon home of similar square footage, heating type and geographical region.

Carbon: The carbon footprint of an average Oregon home of similar square footage, heating type, geographical region and utility mix.

This home if built to code

The estimated annual energy and carbon use for this home if it was just built to the minimum standards allowed under Oregon code at the time of construction without energy-efficient features installed.

Brought to you by Energy Trust of Oregon

Energy Trust developed EPS to educate about energy efficiency and provide a tool to help inform home-buying decisions.

For more information about EPS, contact Energy Trust at **1.866.368.7878** or visit **www.energytrust.org/eps**.

