

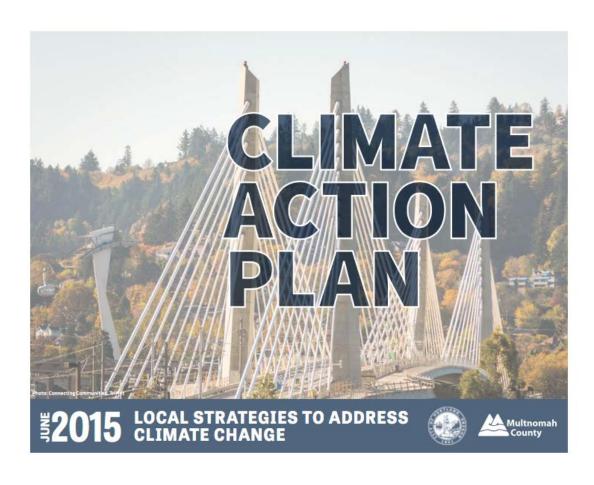
Home Energy Score Proposed Policy

Susan Anderson, Michael Armstrong and Andria Jacob Portland City Council November 23, 2016

Why Require Home Energy Scores?

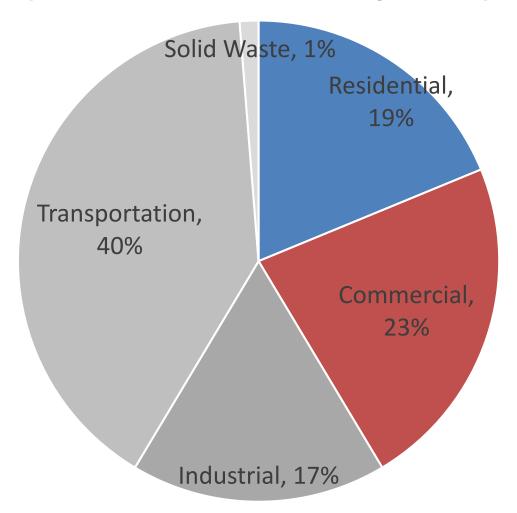
Objective 1

Reduce energy
use from
existing
buildings
25% by 2030



Carbon Emissions by Sector

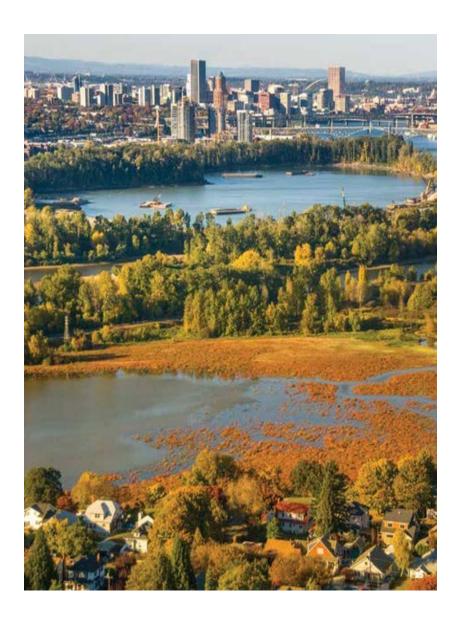
(for Multnomah County, 2014)

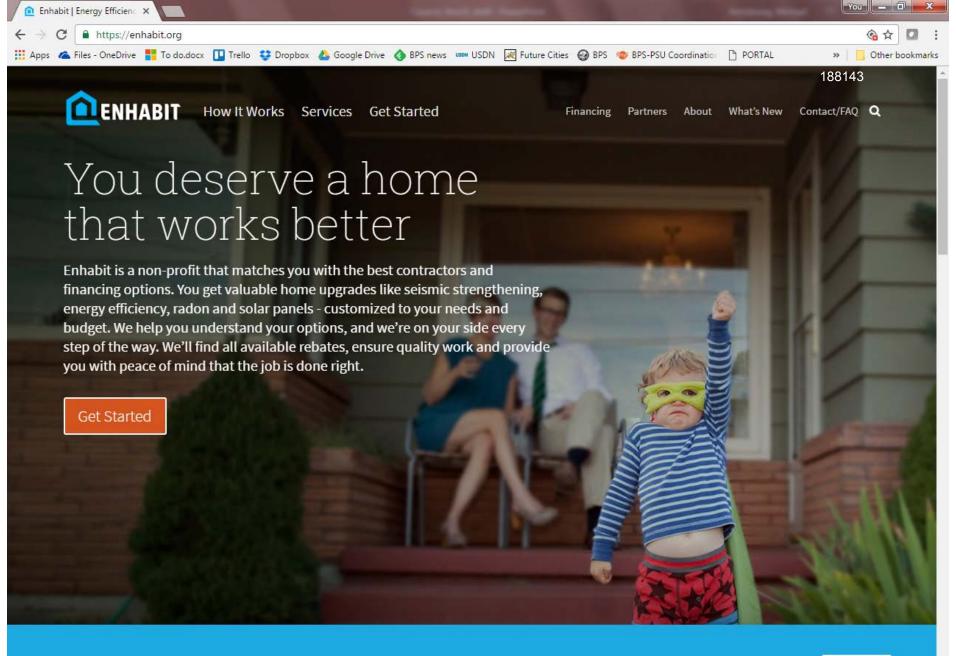


Climate Action Plan Priority

Action 1B

Require **energy** performance ratings for all homes so that owners, tenants and prospective buyers can make informed **decisions** about energy costs and carbon emissions





Check out all the ways we make financing your project easier. Enhabit offers competitive loan products, including optional on-bill financing that allows project loans to be repaid on your natural gas or electric utility bill – or you can always pay with cash.

Learn more

Over time, cost savings from energy efficiency can be substantial. A more efficient home can save a homeowner almost \$10,000 over 10 years.







	House #1 NE 71 st Ave.	House #1 NE 80 th Ave.	House #3 SE 74 th Ave.
Year built	1922	1913	1912
Size (sq. ft.)	1,383	1,270	1,320
Annual energy cost	\$1,000	\$1,686	\$1,947
10-year energy cost	\$10,000	\$16,860	\$19,147

Benefits to Portlanders

- ✓ Better insight into the full costs of owning a home.
- ✓ Ability to compare energy costs and performance between homes.
- ✓ Knowledge of home improvements in advance of purchase.
- ✓ Access to specialized mortgage products.
- ✓ Long-term household savings from an energy-efficient home.

Policy Recommendation for Existing and New Homes

Information disclosed

Home energy performance report (defined by state law)

Regulated party

Seller or homebuilder

Time of disclosure

At or before listing

Recipient of disclosure

The City, prospective buyers





[Your State] Home Energy Score

1234 Your Road, Your Town, YS 00000

SCORE TODAY 3

Average Home Score

Higher energy use

1

2

| 3

4

5

6

7

8

9

10

Lower energy use

SCORE TODAY

Estimated annual energy cost:

\$1,600

Score basis:

80mbtu

SCORE WITH IMPROVEMENTS

Potential annual energy cost:

\$1,239

Score basis:

49 мвти

The U.S. Department of Energy's Home Energy Score assesses the energy efficiency of a home based on its structure, heating, cooling, and hot water systems.



Home Energy Score

Score

Home Facts

Recommendations



Roof, attic & foundation

Roof / Attic 1	Construction type / Exterior Finish / Insulation level
Attic floor area (square feet)	900
Roof construction	Roof Standard Roof / Composition Shingles or Metal / R-0
Roof color	Medium Dark
Attic or ceiling type	Unconditioned Attic
Attic floor insulation	R-3
Foundation / Floor 1	
Floor area (square feet)	900
Foundation type	Vented Crawlspace
Floor insulation above basement or crawl space	R-0
Foundation walls insulation level	R-0



Walls

Construction type / Exterior Finish / Insulation level

All sides

Wood Frame / Wood, Asbestos, Fiber Cement, Composite Shingle, or Masonite Siding / R-3



Windows & skylights

Skylights	Roof / Attic 1	Roof / Attic 2	
Does the house have skylights?	No	No	
Windows	Square feet		
Window area front	150		
Window area back	120		
Window area right	60		
Window area left	40		
Window Construction	Panes / Frame / Glazing U-	Panes / Frame / Glazing U-value SHGC	
All sides	Double-pane / Wood or Viny	Double-pane / Wood or Vinyl / Insulating low-E	



Home Energy Score

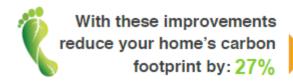
Score Home Facts Recommendations

Address: 12345 Honeysuckle Lane

Smithville, AR 72466

Repair now: These improvements will save you money, conserve energy, and improve your comfort now	Estimated utility bill savings (\$/year)
Attic 1 / Increase attic floor insulation to at least R-49	187
Ducts 1 / Add insulation around ducts in unconditioned spaces to at least R-6	71
Ducts 1 / Have your ducts professionally sealed to reduce leakage	171

Replace later: These improvements will help you save energy when it's time to replace or upgrade	Estimated utility bill savings (\$/year
Furnace 1 / Pick one with an ENERGY STAR label	106
Central Air 1 / Pick one with an ENERGY STAR label	80
Water heater / Pick one with an ENERGY STAR label	34





Exemptions

- Foreclosure sales.
- Trustee's sales.



- Deed-in-lieu of foreclosure sales.
- Short sales.
- Sales at public auction.
- Home is in court-appointed receivership.
- Senior mortgage is in default.
- Home is participating in Oregon Property Tax Deferral for Disabled and Senior Citizens.

Low-Income Seller Deferral

- Income-qualified sellers may defer the requirement to the buyer.
- Circumstances:
 - Income at or below 60 percent of median household income.
 - Participation in Oregon Low-Income Home Energy Assistance Program.
 - Participation in Free and Reduced Price Meals.
 - At discretion of the Director of BPS.
- Buyer must comply within 4 months.

Policy Development Process (2016)

January – April

Research and scoping: energy efficiency industry best practices, experience in other cities, data gathering on real estate market trends

May – August

Stakeholder engagement and equity analysis

September – November

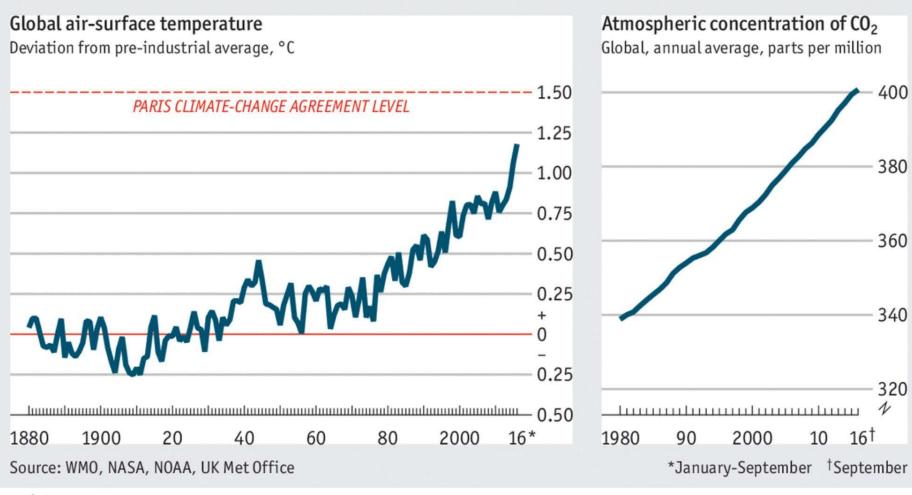
Two public comment periods and legislative process

Public Comment

- Equity concerns
- Housing affordability
- Preference among real-estate professionals for a "voluntary" approach and "incentives"
- Support for consumer protection and climate protection benefits

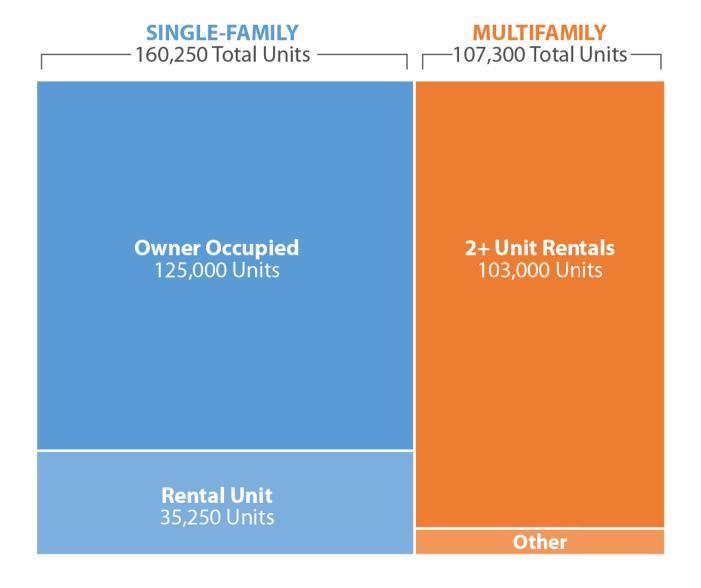


Too darn hot



Economist.com

Portland Housing Units



Policy Recommendation for Rental Homes at Time of Lease

- Work with stakeholders to better understand the dynamics in the single-family rental market.
- Establish metrics and targets to monitor over time.
- Establish a stakeholder committee to work with BPS on developing this aspect of the policy

