

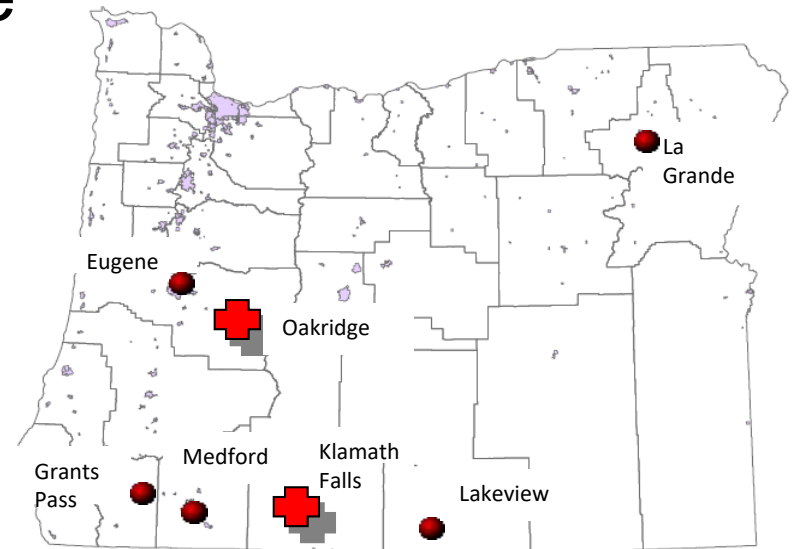
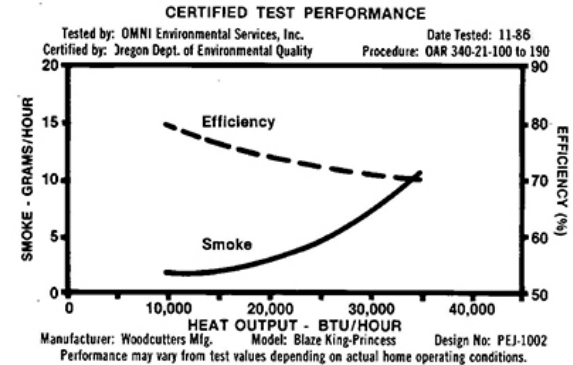
Air Quality

Oregon's Approaches: Wood Smoke Workgroup, Tax Credits and more

Residential Wood Smoke Workshop
March 8, 2018

Background

- Oregon created the original woodstove certification program (1986)
- PM_{10} and $PM_{2.5}$ maintenance and nonattainment areas – due primarily to woodsmoke
- Estimate ~590,000 wood burning appliances in Oregon
 - 150,000 uncertified stoves



- Nonattainment ($PM_{2.5}$)
- Maintenance (PM_{10})

Warm Homes Clean Air program (2006-2009)

- Oakridge, OR
- Woodstove changeout and weatherization and home repair program
- 11 partners funded the program (state, local, federal agencies)
- Woodstove dealers offered rebates on stoves
- Changed out 80+ stoves



ARRA funding changeouts (2009-2011)



Department of Energy's 2009 American Recovery and Reinvestment Act

- \$2M in funding
- 695 uncertified woodstoves replaced
- Targeted 4 areas of the state
- Combined with weatherization efforts

Oregon Department of Energy funding (2013)

- Energy efficiency funding (\$233,000)



- Weatherization funding
 - State Home Oil Weatherization (SHOW)
 - Homeowners and renters who heat with wood can get home weatherization rebates up to \$500



Energy incentives

Utilities have many energy incentives available

- Smaller utilities and co-ops in Oregon have offered full rebates for changeouts
- Energy Trust of Oregon (non-profit, funded by larger utilities)
 - Changeouts
 - Weatherization
- Bonneville Power Administration
 - Weatherization





Programs & Services

Overview

All Programs

For Businesses

For Communities & Nonprofits

For Cooperatives

For Individuals

For Lenders

Services

For Developers

Single Family Housing Repair Loans & Grants in Oregon



Program 101 Forms & Resources Architect Contacts

USDA helps you make home repairs. [Learn more in this brief video.](#)

Fact Sheet

Program Status: Open

What does this program do?

Also known as the Section 504 Home Repair program, this provides loans to very-low-income homeowners to repair, improve or modernize their homes or grants to elderly very-low-income homeowners to remove health and safety hazards.

Who may apply for this program?

To qualify, you must:

- Be the homeowner and occupy the house
- Be unable to obtain affordable credit elsewhere
- Have a [family income](#) below 50 percent of the area median income
- For grants, be age 62 or older and not be able to repay a repair loan

What is an eligible area?

Oregon Program Contact

866-923-5626, extension 1
direct504.apps@or.usda.gov

View All State Program Contacts >

Regional Solutions funding (2015)

- Regional solutions is a Governor-run program focusing on community and economic development
- \$1.5M provided to Klamath Falls and Lakeview for changeouts
 - Changeouts were a focus because of concern about nonattainment effects on a community and ability to retain or attract businesses

Revolving loan fund



PENDLETON

Working every day to be the premier city in Eastern Oregon

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[Water Utility](#)

[Wood Stove Replacement](#)

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WOOD STOVE REPLACEMENT PROGRAM

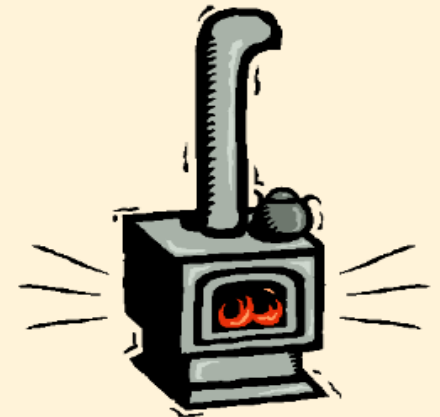
Wood Stove Replacement Program Summary

Dear Residents:

The City of Pendleton is concerned about the amount of smog that occurs in the City in the wintertime. Wood burning is one of the main contributors to this problem. To encourage the replacement of older, inefficient wood stoves, the City has developed a zero interest loan program for replacing your wood burning stove with a newer, more energy efficient heating system. By converting to a new heating system you will not only increase fuel efficiency (i.e. SAVE YOU MONEY), but you will also improve the air quality of our great city.

Who is eligible?

Residents living within the City of Pendleton Urban Growth Boundary are eligible for a no-interest loan of up to \$3500 to replace an old, uncertified wood stove or wood stove insert with a new, approved heating system. The loan is repaid over five years with monthly payments.



Business and community funding

- Washington County, Oregon (2016 – ongoing)
 - \$500K grant from local industry
 - \$350K/yr from local government
 - Goal of 700 stoves over next 5 years
 - Changed out 135 stoves in one year of program launch



Washington County, Oregon
WOOD STOVE EXCHANGE
Let's clear the air.

REBATES	GRANTS
\$1,500-\$3,500 rebates when you buy a new, cleaner heating device	Some households will qualify for a free heating replacement

Residential Energy Tax Credit Program

ODOE 2017 INCENTIVE PROGRAM
SUNSETS

⊕ **RESIDENTIAL ENERGY TAX CREDIT PROGRAM**

CURRENT RETC RATE CHART

PRIOR RETC RATE CHART

⊕ HOME ENERGY PERFORMANCE
SCORE SYSTEMS

ALL ENERGY EFFICIENT DEVICES

⊕ RETC HEATING & COOLING

⊕ RETC RENEWABLES & ALT FUELS

⊕ OTHER ENERGY EFFICIENT DEVICES

Residential Energy Tax Credits

With the Oregon Department of Energy's Residential Energy Tax Credit, homeowners or renters can apply for a tax credit on their personal Oregon income taxes for purchasing eligible [energy-efficient products and energy systems](#) for their homes.

Waiting on your 2017 Residential Energy Tax Credit? Current processing time is about ten weeks from the time we receive your application.

RETC Program Sunset

The RETC program sunset on December 31, 2017.

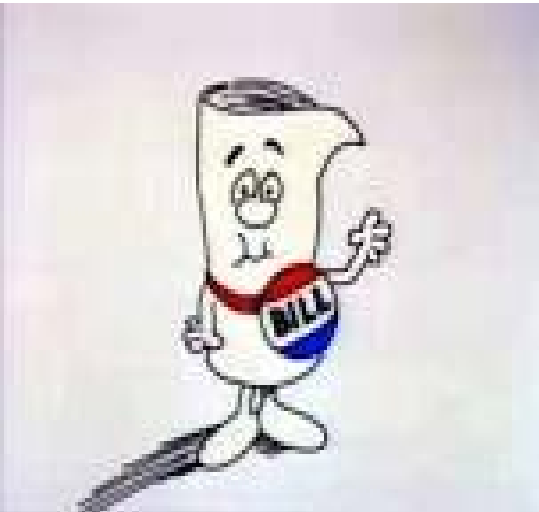
- [Learn more about ODOE's incentive program sunsets](#)



Leveraging funding

- One-time grants
- Energy incentives (through utilities)
- Weatherization
- Special environmental projects
- Loans
- Low-income households

House Bill 3068 – Study topics



Reduce smoke emissions



Reduce cost of woodstove alternatives during poor air quality days

Workgroup Recommendations

- 1) Funding for local communities to implement wood smoke reduction programs
- 2) Sustained funding for woodstove changeout programs
- 3) Increase education and outreach across state on health effects of excessive wood smoke



Recommendations

Sustained funding for woodstove changeout programs

- Requested \$3-\$5 million (per biennium) from the Legislature
- Source of funding through:
 - Direct allocation
 - Woodsmoke tax credit auction

Contact information

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Woodsmoke workgroup report &
recommendations:

<http://www.deq.state.or.us/aq/burning/docs/SB3068Report.pdf>