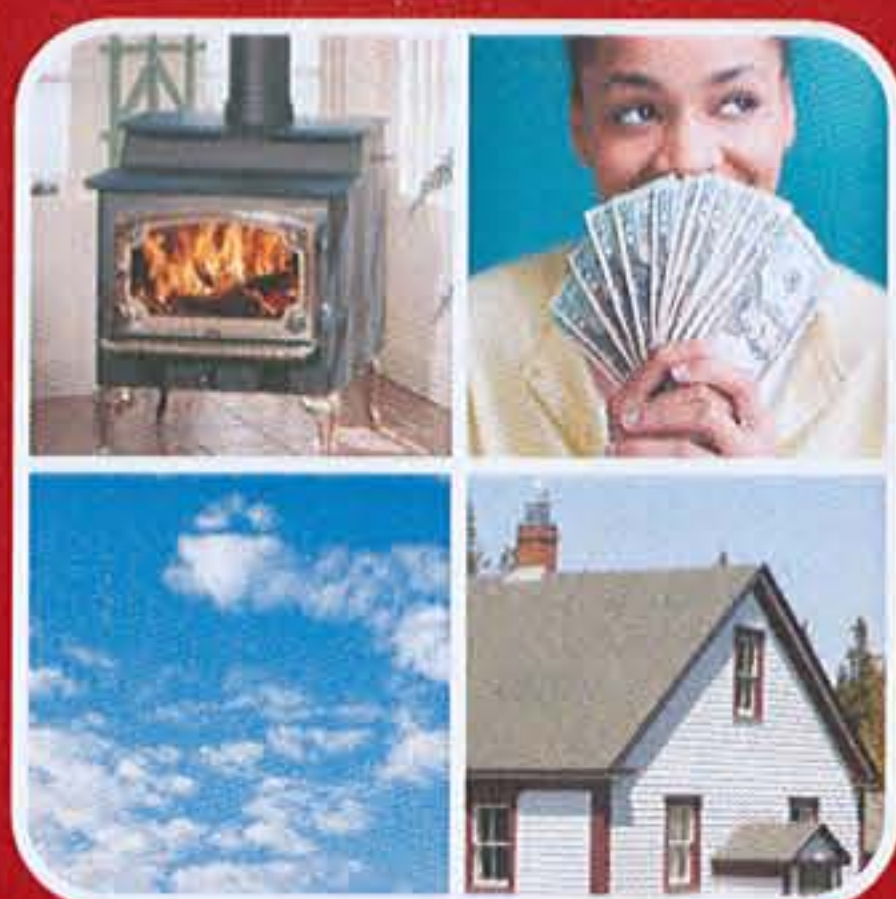


Old Woodstoves Waste



New Technology Stoves Save



If you heat your home with a woodstove manufactured before 1990, you could be wasting your money, risking your property and creating indoor and outdoor air pollution that affects your health. Why? The reason is that your woodstove is outdated and inefficient.

Learn more about replacing old woodstoves through The Great American Woodstove Changeout. Visit www.epa.gov/woodstoves or www.woodstovechangeout.org.

You can reduce these risks by replacing your old woodstove with new and cleaner technology – whether it's a gas, pellet, corn, or electric woodstove. Masonry heaters are another option. Changing out your old woodstove can help you breathe cleaner air while reducing your home heating bills and minimizing your risk of property damage.



EPA and Partners Working Together

Through campaigns like The Great American Woodstove Changeout, EPA is working with the hearth industry, state, local and tribal air agencies, and other organizations to encourage people to replace old woodstoves with more efficient and cleaner-burning technology.

Partners

Hearth, Patio & Barbecue Association
Chimney Safety Institute of America
American Lung Association
Steel Recycling Institute
U.S. Department of Energy

What to Do with Your Old Stove

To help keep your air cleaner, make sure your old woodstove isn't used again. Ask a hearth specialty retailer or a local steel recycler for information on recycling old woodstoves.

For details, go to
www.epa.gov/woodstoves or
www.woodstovechangeout.org.

Cleaner Air. Cheaper Heat. Safer Home.



Replace Your Old Woodstove and Save!



Many People Have Old Woodstoves



- More than **10 million** people across the country, use woodstoves that can be freestanding or a fireplace insert
- Nearly 75 percent of these woodstoves are older and emit a significant amount of pollution

New Stoves Burn Better



Woodstoves built after 1990 burn cleaner and pollute less. These EPA-certified woodstoves create the right conditions inside the appliance for firewood to be burned with complete combustion. This means a more efficient stove for you – and cleaner air for you and your neighbors.

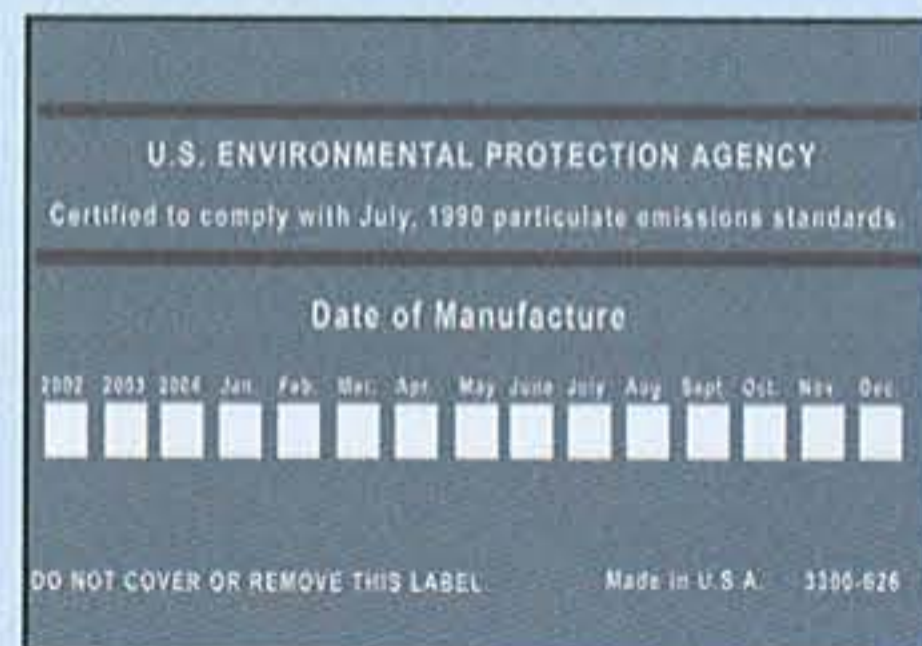
Don't Overlook the Chimney



- Improperly installed chimneys can cause smoke to come back into your home
- Your chimney should be the correct size for your woodstove
- Be sure to maintain proper clearance from combustible materials

Is Your Stove EPA-Certified?

Look at the back of the woodstove for a metal plate like the one below. This signifies that it has been certified by EPA. If you can't tell, contact a hearth specialty retailer.



Benefits of Replacing Old with New

PROTECTS HEALTH:

- Reduces particle pollution by about 70 percent
- Improves the air in your community and inside your home
- Helps protect the health of children and adults with heart and respiratory disease (e.g. asthma)
- Reduces exposure to toxic pollutants that have been linked to cancer and other serious health problems

SAVES MONEY:

- New woodstoves are about 50 percent more efficient
- They use about 1/3 less firewood for the same amount of heat

IMPROVES FIRE SAFETY:

- Improperly installed woodstoves and chimneys can destroy homes
- In a single year, 4,000 fires caused by woodstoves and heaters resulted in 50 deaths and \$45 million in property damage (*National Fire Protection Association*)
- Chimney fires can be caused by creosote buildup in chimney pipes, improper woodstove maintenance, and faulty installation

Chimney Inspections

Even when installed properly, woodstoves and chimneys still need to be inspected by a certified chimney sweep once a year.

~ Chimney Safety Institute of America

How to Changeout

Learn how to replace your stove through The Great American Woodstove Changeout. Information is available on the EPA and HPBA woodstove Web sites. These sites will help you determine if there are incentives in your area to help you replace your stove. You can also use these sites to locate a hearth specialty retailer in your area to guide you through the process.

Visit www.epa.gov/woodstoves or www.woodstovechangeout.org.

Wood Smoke Q & A

Q. What's in Wood Smoke?

A. Smoke from woodstoves results from a fire that doesn't adequately burn – a process known as incomplete combustion. Wood smoke contains many pollutants, including:

- ➔ Fine particle pollution, or PM_{2.5}
- ➔ Carbon monoxide (CO)
- ➔ Nitrogen oxides (NO_x)
- ➔ Volatile organic compounds (VOCs)
- ➔ Benzo (a) pyrene
- ➔ Formaldehyde
- ➔ Dioxins
- ➔ Furans

Q. Who's Affected by Wood Smoke?

A. Wood smoke can affect everyone, but children under 18, older adults, people with diabetes, heart disease, asthma or other lung diseases are the most vulnerable. Particle pollution – like the particles in wood smoke – can work their way deep into the lungs, potentially causing serious health problems. These problems range from burning eyes and runny noses to bronchitis, asthma attacks and even heart attacks.

Burn Responsibly

Building small hot fires and keeping ashes cleaned from the stove can make your stove more efficient. That means you'll use less firewood – and you'll reduce smoke right in your neighborhood. Making sure your firewood is seasoned – and never burning trash or treated wood – also help keep your community's air cleaner.



Clean Burning Wood Stoves and Fireplaces

Contact Us Search: All EPA This Area Go

You are here: [EPA Home](#) » [Air & Radiation](#) » [Clean Burning Wood Stoves and Fireplaces](#) How-To Guide Guide for Wood Stove Changeout Campaigns

Wood Stove Home

Basic Information

Wood Burning Efficiency and Safety

Healthier Home, Cleaner Environment

Health Effects of Wood Smoke

Technical Information

Partners & Useful Links

Cleaner Burning Fireplaces

For Air Quality Program Officials

How-To Guide for Implementing a Wood Stove Changeout Campaign

How-To Guide for Implementing a Wood Stove Changeout Campaign

We have developed this how-to guide for you to use to determine whether it is feasible for your jurisdiction to develop and implement a Wood Stove Changeout Campaign. This material will provide you with the following information:

[What is a Wood Stove Changeout Campaign?](#)

[How do I know if my area is a candidate for a Wood Stove Changeout Campaign?](#)

[What is the process for developing and implementing a Wood Stove Changeout Campaign?](#)

- [Identify potential partners.](#)
- [Identify sources of funding.](#)
- [Develop a project plan.](#)
- [Implement the Wood Stove Changeout Campaign.](#)
- [Measure success.](#)

The [e-library](#) provides additional resources. After reviewing this material, if you have more questions on starting a wood stove changeout campaign in your area, please contact [Larry Brockman](#) at 919-541-5398.

What is a Wood Stove Changeout Campaign?

- A Wood Stove Changeout Campaign is a mechanism you can use to reduce the amount of air pollution from wood smoke in your area.
- This voluntary program can be an effective way to reduce emissions of particulates and air toxics.
- A Wood Stove Changeout Campaign provides information and incentives (e.g., rebates or discounts) to encourage people to replace their old, conventional wood stove with an EPA-certified wood-burning appliance that burns more cleanly and efficiently, including pellet, gas, and propane appliances.
- A good Wood Stove Changeout Campaign includes [general elements](#) found in other air pollution reduction programs as well as elements specific to Wood Stove Changeout

You will need Adobe Acrobat Reader to view the Adobe PDF files on this page. See [EPA's PDF page](#) for more information about getting and using the free Acrobat Reader.



Just 20 old non-EPA-certified wood stoves can emit more than 1 ton of fine particles into your area during the cold months of the year. -U.S. EPA

Check out examples of ongoing or completed Wood Stove Changeout Campaigns.

[EXIT Disclaimer](#)

- [Lincoln County \(Libby\), Montana](#)
- [Santa Clara, California](#)
- [Truckee, California](#)
- [North Coast Unified Air Quality Management District \(Item 3\)](#)
- [Washoe County, Nevada](#)
- [Washington State](#)
- [Great Wood Stove...](#)





Search WoodStoveChangeout.org >



WHAT IS A WOOD STOVE CHANGEOUT?

WHY WOOD STOVE CHANGEOUTS?

SUCCESS STORIES

STARTING A PROGRAM IN YOUR COMMUNITY

USEFUL LINKS



Find more information for affiliate leaders & dealers



Learn about change-out projects already underway



The U.S. EPA provides additional information to federal resources

WOOD STOVE CHANGEOUTS: A COST-EFFECTIVE CLEAN AIR SOLUTION

As a local leader, you want nothing but the best for your community, and cleaner air is no exception. Today, a number of communities throughout the U.S. fail to meet government air quality standards for particulates (soot and dust) and are required to find ways to reduce emissions to bring the area into compliance or face stiff economic penalties.

If you live in an area where particulates are a problem, your community may be a candidate for a wood stove changeout program. Wood stove changeouts can significantly reduce levels of harmful emissions, but only if



CHANGEOUT CHECKLIST

The following checklist will be helpful to develop an effective program in your area.

- [Broad Coalition of Interested Stakeholders](#)
- [Adequate Funding](#)
- [Effective Financial Incentives](#)
- [Public Outreach and Education](#)
- [Targeted Regulatory Requirements](#)
- [Administrative Resources](#)
- [Identification of Non-EPA-Certified Stoves](#)
- [Proper Disposal and Recycling of Old](#)

Done

Internet

www.woodstovechangeout.org
Hearth, Patio & Barbecue Association