



Woodstove Changeouts Are Happening!



Background: EPA is working in partnership with the Hearth, Patio and Barbecue Association (HPBA), American Lung Association and others in a national effort to help state, local, and tribal agencies put campaigns into place that change out older, dirtier, “conventional” woodstoves to new, cleaner-burning appliances like gas, wood pellet, and EPA-certified woodstoves. Already in place in targeted areas, the Great American Woodstove Changeout is a voluntary effort that can effectively reduce emissions of particulates and air toxics and help bring areas into attainment with the national fine particle standard. Wood smoke from woodstoves and fireplaces contributes approximately 6% (420,000 tons) of fine particle pollution to our air each year, most occurring during the winter months.

Benefits of changing out inefficient woodstoves with new, cleaner burning appliances

- Reduces fine particle and toxic pollution by 70%;
- Helps states get SIP emission reduction credits
- Improves indoor air quality, older stoves are often poorly sealed and ventilated
- Improves energy efficiency by 50%
- Changing out 20 woodstoves will result in reducing ~1 ton of fine particles

\$5 Million Invested: EPA has invested approximately \$600,000 in woodstove changeouts over the last 2 years, while our public & private partners have invested over \$5 million.

Major Woodstove Changeout Events:

Lincoln County/Libby, MT June, 05

- Goal: Replace 1100 stoves by Sprint 2007
- \$ 1 Million donated by industry, \$100K from EPA, \$50K state
- \$ 1 Million Congressional earmark
- 1000 stoves installed to date

SW Pennsylvania Sept., 05

- \$100K EPA grant to help fund changeouts for low income
- \$80K from Allegheny County
- \$470M in health benefits if all 30,000 old stoves are changed out

Other Changeouts in 2005

- Washoe County, NV
- Whatcom/Island Co., WA
- Butte County, CA
- Delta County, CO
- Swinomish Tribe, WA
- Questa, NM
- Yakima, WA
- Christiansburg, VA

Greater Dayton Ohio July 06

- Provided “Clean Air Coupons” worth \$300 - \$400 dollars
- Hearth industry provided an additional \$100 to the consumer

Woodstove Changeouts Are Happening!



Sacramento, CA Area Aug. 06 & Feb. 07

- Sacramento Metropolitan Air Quality Management District (AQMD) providing incentive funds, total funding is \$1.5 million
- Program Incentive funds (up to \$350/stove) include existing, 'dirty' fireplace or wood stove
- Hearth industry providing additional rebates.

Other Changeouts in 2006

- Washington Co., OH
- Yolo-Solano, CA
- Butte County, CA
- Yakima, WA
- Darrington, WA
- Whatcom/Island Co., WA
- Ferry and Steven Co., WA
- Delta County, CO
- SW Pennsylvania

Changeouts Planned for 2007

- Entire state of California
- Swinomish Tribe, WA
- Washoe County, NV
- Placer County, NV
- Oneida Tribe, WI
- Oakridge, OR
- Yakima, WA,
- Preston, ID
- Pinehurst, ID
- Nez Perce Tribe, ID
- Spokane, WA
- Vermont

\$700, 000 of Supplemental Environmental Projects (SEP)* Funds Negotiated to Pay for Clean Stoves and Hopefully more to Come!

- 2 in Ohio: Dayton \$75K, Washington Co., \$245K
- 3 in Washington State: 2 in Bellingham, 1 in Spokane \$250K
- 1 in NM: Questa \$100K
- 1 in VA: Christiansburg \$45K

** A SEP is a beneficial environmental project which a defendant agrees to undertake in settlement of an enforcement action, which the defendant is not otherwise legally required to perform. Where a defendant agrees to perform a SEP, EPA considers the costs to be incurred by defendant in performing the SEP as one of the factors in determining the appropriate penalty to be assessed in a particular case.*

Tools Available for States/Local/Tribes (S/L/T)

- Wood Smoke Workshop/Training
- EPA Woodstove and Fireplace Clean Burning Website (www.epa.gov/woodstoves)
- Woodstove Changeout "How to Guide", example outreach materials
- Woodstove Changeout Emissions Credit Guidance for State Implementation Plans
- "Burn Clean," fact sheet that focuses on tips for the public
- Case Studies
- Options for Securing Funds

Feedback: Contact Larry Brockman, brockman.larry@epa.gov, 919-541-5398 with comments, questions or suggestions. For more information go to: www.epa.gov/woodstoves.