

## Woodstove Changeout Program Snapshot: Northern Sierra Air Quality Management District



<b>Program Title</b>	Woodstove Rebates (no official name) [Website: <a href="http://www.myairdistrict.com/html/woodstove_rebates.html">http://www.myairdistrict.com/html/woodstove_rebates.html</a> ]
<b>Location</b> (City, Counties, Regions included in program)	<ul style="list-style-type: none"> <li>Northern Sierra Air Quality Management District (NSAQMD) (encompasses Nevada, Plumas, and Sierra Counties)</li> </ul>
<b>Population/No. of Homes</b> (No. of people/homes in area covered by program)	<ul style="list-style-type: none"> <li>City of Portola Population: approximately 2,250</li> <li>City of Portola Housing<sup>†</sup>: approximately 1,010</li> <li>Population in NSAQMD over 65/Total Housing<sup>†</sup> <ul style="list-style-type: none"> <li>Nevada County — approximately 16,100/44,300</li> <li>Plumas County — approximately 3,700/13,400</li> <li>Sierra County — approximately 600/2,200</li> <li>Total — approximately 20,400/59,900</li> </ul> </li> </ul>
<b>Objectives</b> (NAAQS attainment/maintenance, indoor air, visibility, air toxics, public education)	<ul style="list-style-type: none"> <li>Reduce health impacts from exposure to wood smoke.</li> <li>Reduce ambient particulate levels to below the State and National Ambient Air Quality Standards.</li> <li>Primary focus on areas with the highest levels of wood smoke induced particulate levels. Extra funding has been allocated to the Portola area due to its high PM<sub>2.5</sub> levels.</li> <li>A component of the woodstove rebate program is a special program targeting low-income senior citizens in Plumas County.</li> </ul>
<b>Milestones</b> (time frame for program, no. of changeouts, air quality goals, no. of low-income homes targeted, if applicable)	<ul style="list-style-type: none"> <li>First changeout program began in January of 1998 and included all three counties within the NSAQMD.</li> <li>NSAQMD: 1<sup>st</sup> woodstove in the Low-income Senior program was changed-out in January of 2004. Program will continue until funding is depleted.</li> </ul>
<b>Budget</b> (projected/actual cost of program)	<ul style="list-style-type: none"> <li>City of Portola program: \$25,000</li> <li>NSAQMD program: Limited amount of funding available in rebates of up to \$2,500 for low-income senior citizens.</li> </ul>
<b>Funding Sources</b> (government funds, grants, SEPs, fees, etc.)	<ul style="list-style-type: none"> <li>City of Portola program: NSAQMD, SEPs</li> <li>NSAQMD program: NSAQMD, SEPs</li> </ul>



<b>Partners</b> (gov't/private organizations involved in changeout program)	<ul style="list-style-type: none"> <li>Initially partnered with the Hearth Products Association, but have gone solo the last 5 years.</li> <li>The Town of Truckee has its own rebate program.</li> </ul>
<b>Incentives Offered</b> (rebates, discounts, vouchers, special incentives for low-income homes, etc.)	<ul style="list-style-type: none"> <li>Rebates</li> <li>City of Portola: \$1,000</li> <li>NSAQMD: Up to \$2,500 to low-income seniors</li> <li>Non-certified woodstove replaced with an EPA-certified woodstove, pellet stove, kerosene or natural gas.</li> </ul>
<b>Ordinances/Regulations</b> (mandates for use of cleaner-burning hearth devices)	<ul style="list-style-type: none"> <li>The Air District has not adopted regulations mandating stove replacements. but some local county/city governments have regulations requiring an upgrade to an EPA-certified appliance at the time a residence is sold.</li> </ul>
<b>Program Yardstick</b> (means for measuring program success; e.g. number of stoves changed out)	<ul style="list-style-type: none"> <li>Success measured strictly by the reduction in ambient particulate levels as measured on our particulate samplers.</li> </ul>
<b>Program Contact</b> (name, organization, phone #, e-mail address)	<ul style="list-style-type: none"> <li>City of Portola - Allison King, (530) 274-9360 ext. 104.</li> <li>NSAQMD for low-income seniors - Joe Fish, (530) 274-9360, ext. 103.</li> <li>Northern Sierra AQMD, PO Box 2509, Grass Valley, CA, 95945.</li> </ul>
<b>Lessons Learned</b> (What worked? What didn't? How program can be improved)	<ul style="list-style-type: none"> <li>Rebates must be high enough so that people content with their old, dirty stoves will have sufficient incentive (\$500+) to spend money on a cleaner heating appliance. A low rebate is just a discount for people who would've replaced their old stoves anyway.</li> </ul>
<b>Outreach/Marketing</b> (e.g., radio public service announcements (PSAs), workshops, woodstove expo, flyers, mailouts, other?)	<ul style="list-style-type: none"> <li>Newspaper ads, PSAs, flyers, our web page and word-of-mouth.</li> </ul>
<b>Air Quality Data</b> (current air quality status in the area covered by this program, and is reducing wood smoke believed to be an important factor in improving local air quality?)	<ul style="list-style-type: none"> <li>Unclassified for PM<sub>10</sub> and PM<sub>2.5</sub> national standards.</li> <li>Nonattainment in western Nevada County for 8-hour ozone national standard. Attainment in Plumas and Sierra Counties.</li> <li>Nonattainment for PM<sub>10</sub> state standards. Nonattainment only in Portola Valley area PM<sub>2.5</sub> annual standard.</li> <li>Nonattainment in Nevada County for 1-hour and 8-hour ozone state standards. Unclassified in Plumas and Sierra Counties.</li> </ul>
<sup>†</sup> A housing unit is defined as a house, apartment, mobile homes, group of rooms, or single room that is occupied (or, if vacant, is intended for occupation) as a separate living quarters (United States Census Bureau).	

