

Woodstove Changeout Program Snapshot: Northern Sierra Air Quality Management District



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



Partners (gov't/private organizations involved in changeout program)	<ul style="list-style-type: none"> Initially partnered with the Hearth Products Association, but have gone solo the last 5 years. The Town of Truckee has its own rebate program.
Incentives Offered (rebates, discounts, vouchers, special incentives for low-income homes, etc.)	<ul style="list-style-type: none"> Rebates City of Portola: \$1,000 NSAQMD: Up to \$2,500 to low-income seniors Non-certified woodstove replaced with an EPA-certified woodstove, pellet stove, kerosene or natural gas.
Ordinances/Regulations (mandates for use of cleaner-burning hearth devices)	<ul style="list-style-type: none"> 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.
Program Yardstick (means for measuring program success; e.g. number of stoves changed out)	<ul style="list-style-type: none"> Success measured strictly by the reduction in ambient particulate levels as measured on our particulate samplers.
Program Contact (name, organization, phone #, e-mail address)	<ul style="list-style-type: none"> City of Portola - Allison King, (530) 274-9360 ext. 104. NSAQMD for low-income seniors - Joe Fish, (530) 274-9360, ext. 103. Northern Sierra AQMD, PO Box 2509, Grass Valley, CA, 95945.
Lessons Learned (What worked? What didn't? How program can be improved)	<ul style="list-style-type: none"> 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.
Outreach/Marketing (e.g., radio public service announcements (PSAs), workshops, woodstove expo, flyers, mailouts, other?)	<ul style="list-style-type: none"> Newspaper ads, PSAs, flyers, our web page and word-of-mouth.
Air Quality Data (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"> Unclassified for PM₁₀ and PM_{2.5} national standards. Nonattainment in western Nevada County for 8-hour ozone national standard. Attainment in Plumas and Sierra Counties. Nonattainment for PM₁₀ state standards. Nonattainment only in Portola Valley area PM_{2.5} annual standard. Nonattainment in Nevada County for 1-hour and 8-hour ozone state standards. Unclassified in Plumas and Sierra Counties.
[†] 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).	

