

Low Income Weatherization Woodstove Changeout Program Snapshot: Sacramento Metropolitan Air Quality Management District, CA



Program Title	Low Income Wood Stove/Fireplace Change Out Incentive Program http://www.airquality.org
Location (City, Counties, Regions included in program)	<ul style="list-style-type: none"> Sacramento County including all cities within the county
Population/No. of Homes[†] (in program area)	<ul style="list-style-type: none"> Approximately: 155,600 residences have fireplaces 25,100 residences have wood stoves 80,300 residences have wood burning inserts 15,100 residences have pellet stoves
Objectives (NAAQS attainment/maintenance, indoor air, visibility, air toxics, public education)	<ul style="list-style-type: none"> Reduce PM_{2.5} emissions Reduce health risks due to exposure to PM_{2.5} emission Improve area's air quality especially in EJ areas Fully fund replacement to qualified low income applicants
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"> District entered into contract with Community Resource Project, Inc. (CRP), a not for profit organization in May 2007 to implement the low income program for the District. Program pays up to \$2,500 for wood stove/insert and up to \$3,500 for gas stove/insert which includes the cost of the device plus material cost. Installation cost is paid by CRP from weatherization funds. 67 changeouts have been completed (51 gas inserts, 16 wood inserts) to date. Qualified residents get the new device for free Qualified resident also get their homes weatherized to improve heating and cooling efficiencies. Program goal is 500 changeouts.
Budget (projected/actual cost of program)	<ul style="list-style-type: none"> Low Income Program ~ \$1.2 million
Funding Sources (Government funds, grants, SEPs, fees, etc.)	<ul style="list-style-type: none"> District's SEED Program, Construction Mitigation Fees Installation cost for devices in the low income program is paid by CRP from weatherization monies
Partners (gov't/private organizations involved in changeout program)	<ul style="list-style-type: none"> Community Resource Project, Inc. (CRP) a not-for-profit organization serving Sacramento County and other surrounding counties California Community Services Department



Incentives Offered (Rebates, discounts, vouchers, special incentives for low-income homes, etc.)	<ul style="list-style-type: none"> • Program pays for the entire cost of the new device which includes device cost, material, installation, and other costs such as gas line and permit costs.
Ordinances/Regulations (mandates for use of cleaner-burning hearth devices)	<ul style="list-style-type: none"> • District Rule 417, Wood Burning Appliances- Rule does not allow the installation of open woodburning fireplaces. • Rule requires wood devices to be EPA Phase II certified or exempt devices such as pellet stoves. • <i>No burn program implemented pursuant to District Rule 421, Mandatory Episodic Curtailment of Wood and Other Solid Fuel Burning, Adopted 10-25-07</i> • <i>District issues Stage I & II alerts depending on previous day forecast of PM_{2.5} levels. Stage I is called when PM_{2.5} levels are expected to be 35-40 micrograms per cubic meters. Stage II is issued when PM_{2.5} levels are expected to be above 40 micrograms per cubic meters.</i>
Program Yardstick (means for measuring program success)	<ul style="list-style-type: none"> • Tons of PM₁₀ mitigated • Level of participation • Public awareness of health effects of particulate matter emissions from woodburning.
Program Contact (name, organization, phone #, e-mail address)	<ul style="list-style-type: none"> • Ali Mohamad (Associate Air Quality Engineer) 916-874-4850; amohamad@airquality.org • Aleta Kennard (Program Supervisor) 916-874-4833; akennard@airquality.org
Lessons Learned (What worked? What didn't? How program can be improved)	<ul style="list-style-type: none"> • Selecting an agency or organization that has extensive experience in providing services for low income residents such as home weatherization and energy assistance is important to make the program successful. • Work with other agencies or organizations that provide services for low income residents • Examples are city, county, and state agencies, non profit organizations, and local utility companies. • They may have some monies that can be used to leverage your program. • Media Outreach: Press event to publicize the program • Participate in community events • Make the program available to home owners as well as renters since many low income residents are renters.
Outreach/Marketing (e.g., radio public service announcements (PSAs), workshops, woodstove expo, flyers, mailouts, other?)	<ul style="list-style-type: none"> • <i>Spare the Air</i> program - www.sparetheair.org • Utility bill inserts distributed initially • Advertisement in TV and local newspapers • Radio and television messages of burn status • District website: www.airquality.org • Community events • Home and garden shows



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?)	During the winter up to 50% of directly emitted particulate matter (estimated) in the air comes from wood smoke Wood smoke PM _{2.5} emissions are about 8.37 tons per day based on 2006 wintertime PM _{2.5} inventory
†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).	

