

Agenda Date: March 16, 2017
Agenda Placement: Regular
Estimated Time: 20 Minutes
Continued Item: No

Board Agenda Item

TO: Air Pollution Control District Board

FROM: Aeron Arlin Genet, Air Pollution Control Officer

CONTACT: Krista Nightingale, Air Quality Specialist (961-8893)

SUBJECT: Wood Smoke Reduction Program

RECOMMENDATION:

Adopt a resolution that authorizes the creation of the Wood Smoke Reduction Program (Program) to be administered by the Santa Barbara County Air Pollution Control District (District) through the following actions:

1. Approve the use of \$30,000 from the Air Pollution Control District's Community Programs Fund to fund the Wood Smoke Reduction Program; and
2. Delegate authority to the Air Pollution Control Officer to implement the Wood Smoke Reduction Program within the parameters established by the Board.

DISCUSSION:

The proposed Program will offer incentives to residential property owners to help voluntarily remove a wood-burning device, such as a stove or fireplace, or to replace the device with a cleaner heating alternative that uses gas or electricity.

Wood-burning devices emit wood smoke, which contains reactive organic compounds (ROCs), nitrogen oxides (NOx), particulate matter, carbon monoxide, and other air pollutants. Breathing wood smoke can result in a range of health effects, including reducing lung function, aggravating heart and lung diseases, and triggering asthma. Every year, starting in the fall, the District receives complaints and inquiries from Santa Barbara County residents who are concerned about breathing smoke from their neighbors' fires, and seek solutions. This small-scale pilot program will help the District reduce wood smoke impacts on health through a voluntary incentive approach.

The initial pilot Program will be funded with \$30,000 from funds approved by your Board in the Fiscal Year 2016-2017 District Budget for community programs. Funds will be used to remove or render inoperable higher polluting wood-burning devices, or to replace these wood-burning devices with heater-rated natural gas and propane devices or electric heat pumps. Wood-burning fireplaces would be permanently rendered inoperable and woodstoves or fireplace inserts would be recycled or scrapped.

Applicants will first propose their specific wood smoke reduction project. If the project meets the Program guidelines, the project will be given an initial approval by the District and the applicant will be issued a voucher. Following project completion, the completed voucher and project details will be submitted to the District for approval and issuance of incentive funds.

This Program will award funds on a first-come, first-served basis until funds are exhausted. Table 1 below shows the project type and the associated incentive amount proposed for the pilot Program. Residential property owners are eligible for incentive funds; however, they are only eligible to receive the incentive funding for one removal or replacement project.

Table 1

Type of Wood Smoke Reduction	Proposed Pilot Program Incentive Amount
Wood-Burning Device Replacement	\$1,000
Wood-Burning Device Removal	\$500

Once the Program is approved by your Board, District staff will conduct extensive outreach throughout Santa Barbara County.

This Program is consistent with state and District efforts to reduce air pollution, specifically particulate matter (PM) and short-lived climate pollutants, such as black carbon. Santa Barbara County does not attain the state standard for PM less than 10 microns in diameter (PM10). This Program will supplement existing District efforts to reduce PM10 emissions in Santa Barbara County to attain the state standard.

While the District is initiating this Program as a small-scale pilot program, state funds from the California Greenhouse Gas Reduction Fund may be available in the future to continue the Program. The California Air Pollution Control Officers Association is currently working with the California Air Resources Board to distribute several million dollars to air districts around the state for similar programs. This Program is consistent with the recently proposed California Short-Lived Climate Pollutant Reduction Strategy, which seeks to reduce anthropogenic black carbon emissions by 50 percent below current levels by 2030.

Through the creation and operation of this Program, the District hopes to reduce air pollution from wood smoke, thereby improving local neighborhood air quality and protecting public health.

BUILDING PERMITS:

District staff will require all project applicants to obtain and provide proof of a building permit from the building department in the appropriate jurisdiction in the County (City of Santa Maria,

City of Santa Barbara, City of Solvang, City of Buellton, City of Lompoc, City of Goleta, City of Carpinteria, City of Guadalupe, and Santa Barbara County).

FISCAL IMPACT:

The fiscal impact to launch the Wood Smoke Reduction Program will be \$30,000 initially; that cost was included in the FY 2016-17 Budget that your Board approved at the June 16, 2016 Board Meeting. There is a possibility that California Greenhouse Gas Reduction Funds may be available to expand this Program to additional participants throughout the county. If additional funding becomes available, District staff will seek approval from your Board to extend the Program.

ATTACHMENTS:

- 1) Resolution
- 2) Program Description
- 3) Voucher

ATTACHMENT # 1

Wood Smoke Reduction Program
Resolution

March 16, 2017

Santa Barbara County Air Pollution Control District
Board of Directors

260 San Antonio Road, Suite A
Santa Barbara, California 93110

ATTACHMENT 1

RESOLUTION OF THE BOARD OF DIRECTORS OF
THE SANTA BARBARA COUNTY
AIR POLLUTION CONTROL DISTRICT

IN THE MATTER OF THE
WOOD SMOKE
REDUCTION PROGRAM

APCD RESOLUTION NO. _____

RECITALS

WHEREAS, the Santa Barbara County Air Pollution Control District is an agency with the mission to protect the people and the environment of Santa Barbara County from the effects of air pollution; and

WHEREAS, wood smoke contains reactive organic compounds, nitrogen oxides, particulate matter, greenhouse gases including short-lived climate pollutants (SLCP) such as black carbon, and other pollutants; and

WHEREAS, wood smoke poses a threat to public health; and

WHEREAS, the District receives public complaints about wood smoke in neighborhoods throughout Santa Barbara County; and

WHEREAS, a Wood Smoke Reduction Program (Program) would provide monetary incentives to replace or remove wood-burning devices and decrease wood smoke air pollution in Santa Barbara County neighborhoods, and protect public health; and

WHEREAS, the Board wishes to delegate authority to the Air Pollution Control Officer to implement the Program within the requirements established by the Board; and

WHEREAS, if additional funding becomes available, District staff will seek Board approval to extend the Program.

APCD RESOLUTION IN THE MATTER OF THE
WOOD SMOKE REDUCTION PROGRAM

NOW, THEREFORE, IT IS HEREBY RESOLVED, as follows:

1. The Board hereby approves creation of the Wood Smoke Reduction Program, and delegates authority to the Air Pollution Control Officer to implement the Program within the parameters established by the Board. Those parameters are set forth in Attachment 2 “Wood Smoke Reduction Program.”
2. The Board authorizes the Air Pollution Control Officer to provide incentive funding to Program participants for removing or replacing wood-burning devices with the following requirements:
 - a. The Program participant must demonstrate that the proposed project meets the Program requirements as defined by the Board.
 - b. The Program participant must apply for and obtain any necessary building permit(s) needed for the project as required by the local jurisdiction.
 - c. The Program participant must permanently remove the wood-burning device from service.
 - d. The Program participant must certify that the individual project is entirely the responsibility of the participant and does not constitute or create a joint venture, pooling arrangement, or formal business organization of any kind. The District’s role is limited to help fund a project proposed and carried out entirely by the participant, who shall be responsible for any liability caused by implementation of this project.
3. The Air Pollution Control Officer shall provide a report to the Board each year. The report shall include a summary of the number of projects funded, project types, project location statistics, and funding amounts.

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APCD RESOLUTION IN THE MATTER OF THE
WOOD SMOKE REDUCTION PROGRAM

PASSED, APPROVED, AND ADOPTED by the Air Pollution Control District Board of the Santa Barbara County, State of California, this ____ day of _____, _____, by the following vote:

Ayes:

Noes:

Abstain:

Absent:

SANTA BARBARA COUNTY
AIR POLLUTION CONTROL DISTRICT

ATTEST:

AERON ARLIN GENET
Clerk of the Board

By _____
Chair

By _____
Deputy

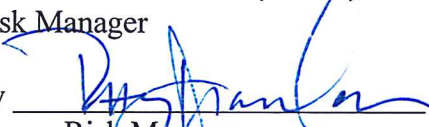
APPROVED AS TO FORM:

MICHAEL C. GHIZZONI
County Counsel

By 
Deputy

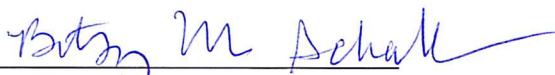
APPROVED AS TO FORM:

RAY AROMATORIO, ARM, AIC
Risk Manager

By 
Risk Manager

APPROVED AS TO FORM:

THEODORE A. FALLATI, CPA.
Auditor-Controller

By 
Deputy

ATTACHMENT # 2

Wood Smoke Reduction Program Description

March 16, 2017

Santa Barbara County Air Pollution Control District
Board of Directors

260 San Antonio Road, Suite A
Santa Barbara, California 93110

Wood Smoke Reduction Program



ABOUT

Wood smoke contains soot, fine particles, dioxins, carbon dioxide, and volatile organic compounds. Breathing wood smoke can reduce lung function, aggravate heart and lung diseases, and trigger asthma. Every year, starting in the fall, the Air Pollution Control District (APCD) receives complaints from Santa Barbara County residents concerned about breathing smoke from their neighbors' fires. This program incentivizes residential property owners to remove or replace a wood-burning device.

PROJECT OPTIONS AND INCENTIVE FUNDING

Qualified applicants will receive incentive funding to remove (render inoperable or destroy) an existing wood-burning device or replace an existing wood-burning device with a qualified electric heat pump, or natural gas- or propane-fueled device.

Qualified Wood-Burning Devices to be Removed or Replaced:

- Operable Woodstoves (Conventional, Catalytic, Non-Catalytic, and Pellet)
- Operable Wood-Burning Fireplaces (Open Hearth and Fireplace Insert)

Qualified Devices for Replacement Project:

- Natural Gas or Propane Fireplace Inserts*
- Natural Gas or Propane Free Standing Heating Stoves*
- Electric Heat Pumps

**The new device must be heater-rated and comply with the American National Standard ANSI Z21.88/CSA 2.33 (Vented Gas Fireplace Heaters)*

The following devices do not qualify for replacement:

- EPA-certified woodstoves
- Electric Fireplaces
- Ethanol Fireplaces
- Gas logs (for decorative purposes)

INCENTIVES

Type of Wood Smoke Reduction	Incentive Amount
Wood-Burning Device Replacement	\$1,000
Wood-Burning Device Removal	\$500

PROGRAM BASICS AND REQUIREMENTS

1. The incentive funding will be awarded on a “first come, first served” basis, based on the date on which the APCD deems the application complete.
2. Submission of an application does not guarantee incentive funding.
3. The Applicant must be the legal owner of the residential property in which the project will occur.
4. Only one Voucher will be issued per applicant and/or property.
5. The wood-burning device for removal or replacement must be operable and indoors. Outdoor fire pits and outdoor fireplaces do not qualify.
6. The Applicant shall obtain the program voucher before starting any project work.
7. The Applicant shall apply for, obtain, and provide to APCD a copy(ies) of any necessary building permit(s) needed for the project as required by the local jurisdiction.
8. The Applicant must report the incentive amount as income by completing and submitting the Federal W-9 Form and the CA 590 Form along with the Voucher Application. The Applicant shall be responsible for payment of all taxes due as a result of the Voucher.
9. Any fraud or misrepresentation by Applicant will result in program disqualification and require return of incentive amount to the APCD if the funds have already been issued, and may result in criminal prosecution.
10. The Applicant gives the APCD authority to reasonable access their property to inspect the completed project for compliance with the program requirements, if requested.
11. Applicant acknowledges that payment of the voucher by APCD does not constitute or create a joint venture, pooling arrangement, or formal business organization of any kind. APCD’s role is to help fund a project proposed and carried out entirely by the Applicant. Applicant is responsible for any liability caused by implementation of this project.
12. If APCD approves Applicant’s voucher, Applicant transfers and conveys to DISTRICT all rights and claim to ownership of the emission reductions achieved through the installation and operation of the low emissions device funded by the Voucher. Applicant shall not use or attempt to use the emission reductions achieved by the low emissions equipment as emission reduction credits.

PROGRAM TIMELINE

Apply for Voucher

- Read program description and confirm program eligibility
- Complete Voucher Application and submit to APCD along with copy of building permit.

Receive Voucher

- Receive Voucher after the APCD deems the Voucher Application complete
- **Do not begin work until voucher is received**

Complete Project

- Complete the removal or replacement project
- Within 90 days of application completeness date, complete the Voucher (including all work) and submit to the APCD with all associated paperwork

Receive Incentive Funding

- Within 45 days of submission of the completed Voucher, receive incentive funding
- **Reduce wood smoke at a reduced cost!**

ATTACHMENT # 3

Wood Smoke Reduction Program
Voucher

March 16, 2017

Santa Barbara County Air Pollution Control District
Board of Directors

260 San Antonio Road, Suite A
Santa Barbara, California 93110

Wood Smoke Reduction Program

Voucher



APPLICANT INFORMATION		
Name:		
Mailing Street Address:		
City:		ZIP Code:
Phone:	Email:	
Project Physical Address (if different from mailing address):		
City:		ZIP Code:
Voucher Issue Date:	Voucher Expiration Date:	Voucher Amount:

Thank you for your Wood Smoke Reduction Program Voucher Application.

Your application was deemed complete on _____.

You have until _____ (90 days from application completeness date) to submit this project voucher.

PROJECT COMPLETION CHECKLIST
<ul style="list-style-type: none"> <input type="checkbox"/> Completed Project Voucher Form <input type="checkbox"/> Final Invoice from Dealer/Installer/Contractor¹ <input type="checkbox"/> After-Project Photos² <input type="checkbox"/> Finalized Building Permit

¹Final Invoice must include:

- Sales receipt/paid invoice for replacement device (with the purchase date after the date the voucher was issued).
- Invoice(s) for equipment and labor directly related to the project.
- A copy of the scrappage certificate from a recycling facility, if you are replacing or decommissioning a fireplace insert or wood burning stove.

²After-Project Photos Guidelines:

Removal:

- Show how old wood-burning device and chimney was rendered inoperable and background showing location.
- If manufacturer tags and specifications of old wood-burning device are now accessible, include photos.

Replacement:

- Show new gas/propane device including the background to show the new device location.
- If location is different from that of the previous wood-burning device, include a photo showing how the previous location was rendered inoperable.
- If manufacturer tags and specifications of old wood burning device are now accessible, include photos.
- Show outside of chimney, including top and gas flue pipe.

If the project will be modified from the project originally proposed, please contact the APCD to update and confirm eligibility. Please note that if the proposed project is modified, funding is no longer guaranteed.

DEVICE AND DEALER INFORMATION		
Type of Replacement Device:	Device Make:	
Fireplace: <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane	Device Model:	
Wood Stove: <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane	Device Purchase Date:	
<input type="checkbox"/> Electric Heat Pump		
<input type="checkbox"/> N/A (Removal Only Project)		
Name of Dealer:		
Address of Dealer:		
City:	State:	ZIP Code:
Dealer Phone Number:	Contact Person:	

CONTRACTOR/INSTALLER INFORMATION AND STATEMENT		
Name of Contractor:		
CA Contractor License Number:		
<input type="checkbox"/> Same as Dealer Information	Date Project was Completed:	
Address of Contractor:		
City:	State:	ZIP Code:
Contractor Phone Number:	Contact Person:	

CONTRACTOR STATEMENT	
<p>By signing this voucher, I certify the following statements to be true:</p> <ul style="list-style-type: none"> I have installed a new device that complies with the requirements of Wood Smoke Reduction Program at the project address listed above. The installation was completed in compliance with all applicable state and local building regulations. If the new gas device uses the existing chimney, the chimney has been converted for gas-only operation and is no longer suitable for wood burning. If the new gas device was installed in a different location at the same property, the existing chimney was made permanently inoperable. Any parts removed, including but not limited to a wood-burning device (stove, fireplace, insert, or similar), stovepipe, damper, fireplace doors, firebox, etc., will be removed from the premises, destroyed, made 	
Printed Name of Contractor:	
Contractor Signature:	Date:

PARTICIPANT STATEMENT	
<p>By signing this application, I certify that I have read, understood, and will adhere to the Wood Smoke Reduction Program requirements set forth on the Program Basics and Requirements attachment, and agree to all of the following:</p> <ul style="list-style-type: none"> I have removed or replaced an operable, wood-burning device at the project address listed on this application. I pledge to not convert or recommission my device back to wood burning. The installation has been inspected and approved by the local jurisdiction and the building permit was finalized and all required inspections and signoffs from the jurisdiction have been obtained. I understand that fraud or misrepresentation will result in program disqualification and require me to return the incentive amount to the APCD if the funds have already been issued, and may result in criminal prosecution. Check one box below: <ul style="list-style-type: none"> <input type="checkbox"/> I have included the required after-project photos with this application. <input type="checkbox"/> I have emailed the required after-project photos to reducewoodsmoke@sbcapcd.org 	
Printed Name:	
Signature:	Date:

Wood Smoke Reduction Program



PROGRAM BASICS AND REQUIREMENTS

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