




air pollution control district  
SANTA BARBARA COUNTY

Agenda Item: E-2  
Agenda Date: December 17, 2020  
Agenda Placement: Admin  
Estimated Time: N/A  
Continued Item: No

## Board Agenda Item

TO: Air Pollution Control District Board

FROM: Aeron Arlin Genet, Air Pollution Control Officer 

CONTACT: Lorena Saldana, Executive Assistant/Board Clerk, (805) 961-8853

SUBJECT: District Grant Program Activity

---

### RECOMMENDATION:

Receive and file the following:

1. An update on the Old Car Buy Back Program for vehicles retired during the period of October 16, 2020 through November 30, 2020;
2. An update on the Woodsmoke Reduction Program for fireplace and stove replacement projects during the period of December 12, 2019 through November 30, 2020;
3. An update on the Landscape Equipment Electrification Fund (LEEF) Program Year 2 for zero-emission landscape equipment vouchers during the period of November 16, 2020 through November 30, 2020; and
4. Summary of the emission-reduction grant agreements approved by the Air Pollution Control Officer for the period of August 1, 2020 through November 30, 2020 in accordance with Board Resolution Number 09-14.

### DISCUSSION:

This item provides an update on four grant programs and the activity that has occurred since your last Board meeting. Grant fund allocation reports for the District's Old Car Buy Back Program, Woodsmoke Reduction Program, and Landscape Equipment Electrification Fund Program identify funding allocation to date, remaining fund balance, and project location. Additionally, at the October 15, 2020 Board meeting, your Board expanded the authority of the Air Pollution Control Officer to issue grants for emission reduction projects from \$150,000 to \$250,000 provided your Board had authorized an overall umbrella program for each type of project. The attached summary sheet(s) describe the grant(s) approved since our last report.

### ATTACHMENTS:

- A. Old Car Buy Back Program Update
- B. Woodsmoke Reduction Program Update
- C. Landscape Equipment Electrification Fund Program Update
- D. Grant Agreement Approval Form(s)

Aeron Arlin Genet, Air Pollution Control Officer

## ATTACHMENT A

Old Car Buy Back Program Update for the period of  
October 16, 2020 – November 30, 2020

December 17, 2020

Santa Barbara County Air Pollution Control District  
Board of Directors

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



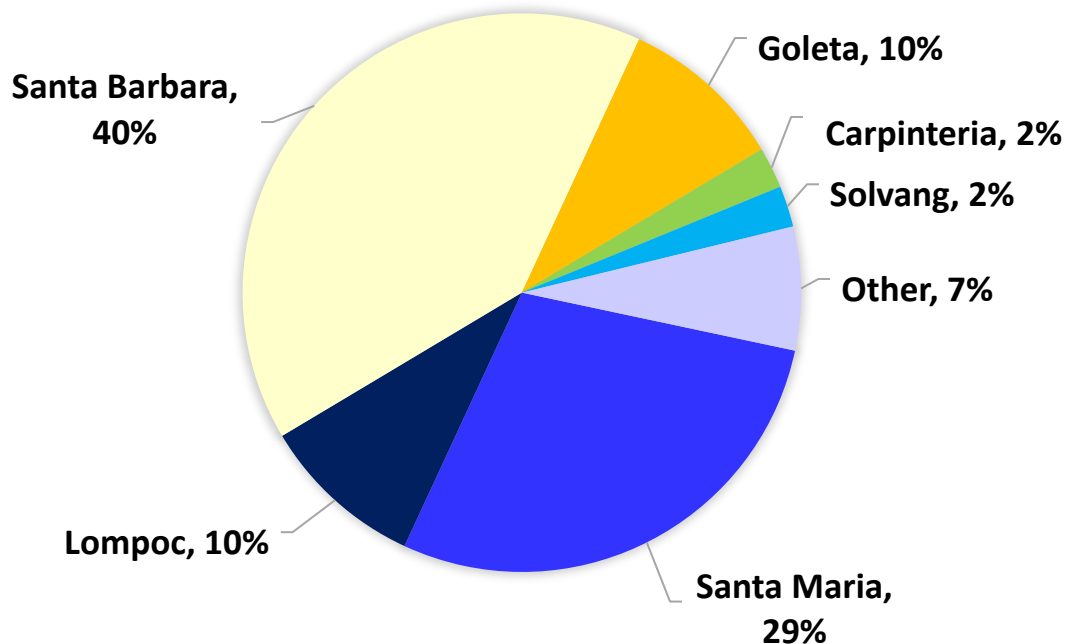
## Old Car Buy Back Program Update

The District's Old Car Buy Back Program currently pays Santa Barbara County vehicle owners \$1,000 to voluntarily retire their fully legal and operational 1997 or older, light or medium duty car, truck, van, or SUV. The regional dismantlers earned \$250 for each vehicle that they helped retire. Currently, the total program cost is \$1,250 to retire a vehicle.

The program accelerates the improvement of air quality by removing high polluting vehicles from the road, quicker than normal vehicle attrition. Funding for the program is derived from \$2 DMV registration surcharge funds. Below is the program data for the most recent reporting period and the entire fiscal year. The program was put on hold on August 21<sup>st</sup> while we implemented the new Board approved contracts with the dismantlers and the program began receiving vehicles again on October 16<sup>th</sup>.

Old Car Buy Back Program Activity		
	10/16/2020–11/30/2020	FY 2020-21
Vehicles retired	29	45
Funds committed @ \$1,250/vehicle	\$36,250	\$56,250
Total tons reduced [NOx+ ROC + PM]	2.25	3.67
Average project cost-effectiveness	\$17,296/ton	\$16,047/ton

### Vehicle Owner Location (FY 2020-21)



## ATTACHMENT B

Woodsmoke Reduction Program Update for the period of  
December 12, 2019 – November 30, 2020

December 17, 2020

Santa Barbara County Air Pollution Control District  
Board of Directors

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



## Woodsmoke Reduction Program Update

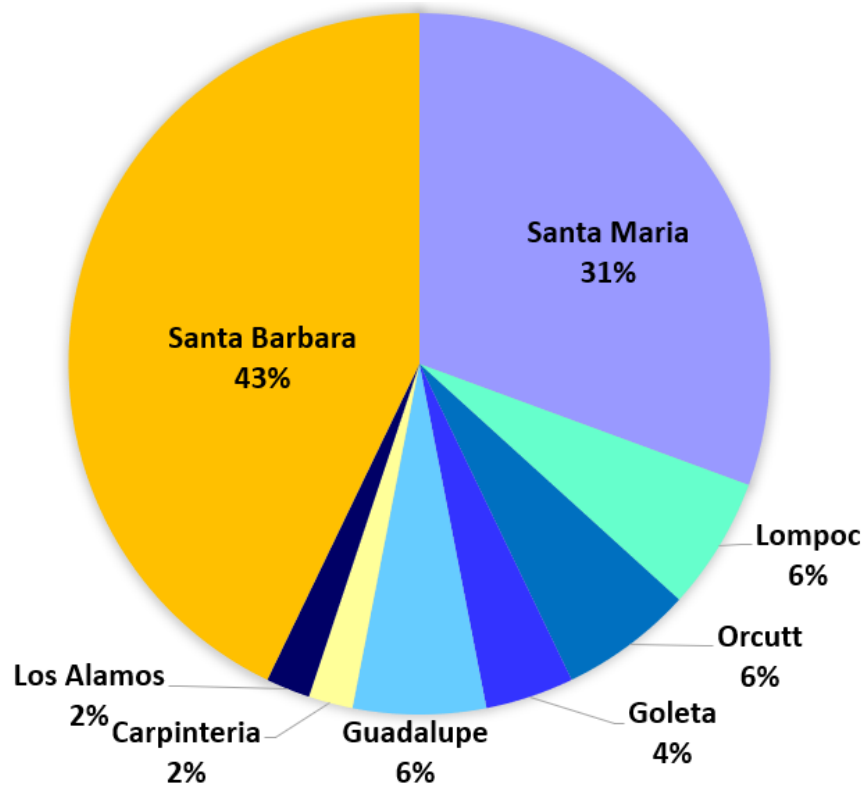
This voluntary program is designed to help households replace a wood-burning uncertified stove, fireplace insert, or fireplace used as a primary source of heat with a cleaner-burning and more efficient device. Applicants who meet low-income eligibility requirements may qualify for an Enhanced Incentive Voucher of up to \$5,000. All other applicants may qualify for the Standard Voucher of up to \$1,000. Program funds come from California Climate Investments, a statewide initiative that puts Cap-and-Trade dollars to work.

The program improves air quality and mitigates neighborhood impacts by reducing the amount of woodsmoke emitted from fireplaces and wood stoves in the county, which accounts for about 33 percent of wintertime particulate matter (PM<sub>2.5</sub> and PM<sub>10</sub>) emissions. In addition to particulate matter, woodsmoke contains soot, dioxins, carbon dioxide, and volatile organic compounds. Breathing woodsmoke can reduce lung function, aggravate heart and lung diseases, and trigger asthma. The program also achieves reductions in black carbon, a short-lived climate pollutant emitted when wood burns.

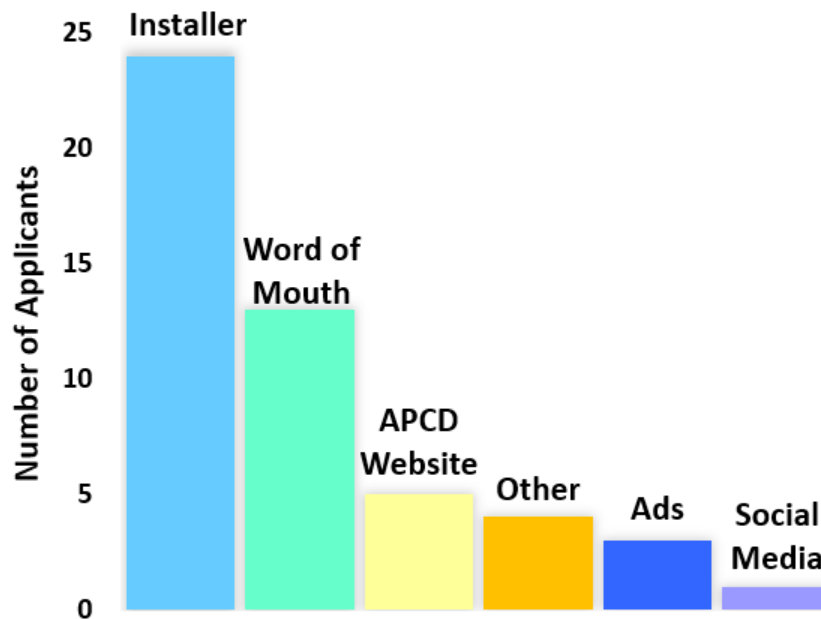
Year 2 Program Fireplace and Stove Replacements (December 12 <sup>th</sup> 2019 – November 30 <sup>th</sup> 2020)						
Household Type	Vouchers Issued	Projects Completed		\$ Expended	PM <sub>2.5</sub> Reduced (lbs)	Ozone Precursors Reduced (NO <sub>x</sub> and ROC, lbs)
		Wood-burning to Gas-burning	Wood-burning to EPA-Certified Wood-Burning			
Low Income	48	34	2	\$174,274	69,595	131,925
Other	4	2	0	\$2,000	3,961	7,434
<b>Total</b>	<b>52</b>	<b>36</b>	<b>2</b>	<b>\$176,274</b>	<b>73,556</b>	<b>139,359</b>
Year 2 Program Budget				\$214,652		
Year 2 Program Balance				\$38,378		
Cost Effectiveness (\$/ton PM <sub>2.5</sub> )				\$4,793		
Cost Effectiveness (\$/ton NO <sub>x</sub> and ROC)				\$2,530		



### Project Location



### How Applicants Learned of Program



## ATTACHMENT C

Landscape Equipment Electrification Fund (LEEF) Update for  
the period of  
November 16, 2020 – November 30, 2020

December 17, 2020

Santa Barbara County Air Pollution Control District  
Board of Directors

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



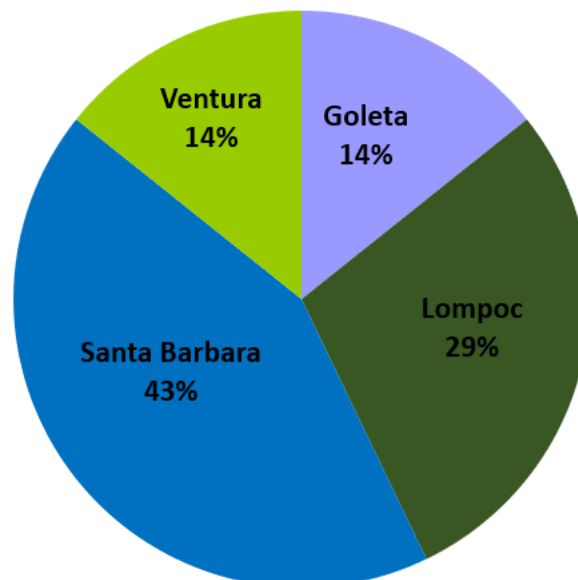
## Landscape Equipment Electrification Fund (LEEF) Program Year 2 Update

The LEEF Program offers vouchers to help landscape businesses, nonprofits, public agencies, and public or private schools that perform their own landscape maintenance services and are located in or do business within the County, to adopt the use of zero-emission electric landscape equipment. Year 2 of the program is funded with \$100,000 from the District's Clean Air Fund that the District Board approved in October 15, 2020. Eligible organizations can receive a voucher of up to \$7,000 for the purchase of electric landscape equipment and up to \$500 for the voluntary disposal of gasoline landscape equipment that will be replaced by electric equipment purchased through the program. The voucher covers up to 60% of the purchase price for landscape equipment including mowers, leaf blowers and vacuums, edgers, trimmers, chainsaws, pole saws, batteries, and chargers. The application window is currently open till January 15, 2021. Applications will be reviewed, and vouchers will be issued based on a ranking system after the close of the application window.

The program helps reduce gasoline- and diesel-powered landscape equipment emissions including nitrogen oxides, particulate matter, carbon dioxide, and other pollutants. The program also helps community members, businesses, and employees experience the health and environmental benefits of cleaner technology that may ultimately lead to greater use of zero emission landscape equipment throughout the county. Year 2 of the program incorporates lessons learned from a successful pilot program that ran over the spring and summer of 2020.

LEEF Program Year 2 Initial Applications (November 16 <sup>th</sup> – November 30 <sup>th</sup> , 2020)		
Applications Received		
Organization Type	Number	Amount Requested
Business	5	\$25,251
Nonprofit	2	\$8,558
Public Agency	0	\$0
School	0	\$0
Total	7	\$33,809

### APPLICANT LOCATION





## ATTACHMENT D

Grant Agreement Approval Form(s) for the Period  
of August 1, 2020 – November 30, 2020

December 17, 2020

Santa Barbara County Air Pollution Control District  
Board of Directors

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

# GRANT AGREEMENT APPROVAL FORM

**To:** Air Pollution Control Officer

**Staff Contact:** Emily Waddington

**Date:** 11/20/2020

**Grant Program:** CAP Year 2 Funds

**Category:** On-Road

## GRANT INFORMATION

**Grantee:** Santa Barbara Metropolitan Transit District (AP192028)

**Project Location:** Santa Barbara

**Grant Agreement Amount:** \$65,455

**Old Equipment:** 2004 Gillig 40-Foot Diesel Urban Transit Bus

**New Equipment:** 2021 New Flyer Charge XE40 Electric Urban Transit Bus

**Grant Cost-Effectiveness:** \$95,164

**Cost-Effectiveness Limit:** \$100,000

**Project Life:** 12 Years

**Project Lifetime Emission Reductions:** 0.735 tons (0.061 tons/yr)

## FUND INFORMATION

**CAP Year 2 Budget:** \$1,060,100.00

**Encumbered Grant Agreements:** \$1,052,991.02 (Including current grant)

**CAP Year 2 Balance:** \$7,108.98

Approved: \_\_\_\_\_

Air Pollution Control Officer

Date: \_\_\_\_\_

20 Nov 2020

Please contact the Board Clerk to review this grant agreement