




Agenda Date: March 21, 2019  
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: Sara Hunt, Executive Assistant/Board Clerk (805-961-8853)

SUBJECT: District Grant Program Activity

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### RECOMMENDATION:

Receive and file the following:

- 1) An update on the Old Car Buy Back Program for vehicles retired during the period of November 1, 2018 through December 31, 2018;
- 2) An update on the Woodsmoke Reduction Program for fireplace and stove replacement projects during the period of October 25, 2018 through February 28, 2018; and
- 3) Summary of the emission-reduction grant agreements approved by the Air Pollution Control Officer for the period of December 27, 2018 through March 5, 2019 in accordance with Board Resolution Number 09-14:

### DISCUSSION:

Your Board expanded the authority of the Control Officer to issue grants for emission reduction projects up to \$150,000 provided your Board had authorized an overall umbrella program for each type of project. The attached summary sheets describe the grants approved since our last report. In addition, updated grant fund allocation reports by city for the District's Old Car Buy Back Program as well as the Woodsmoke Reduction Program are being provided.

### ATTACHMENTS:

- A. Old Car Buy Back Program Update
- B. Woodsmoke Reduction Program Update
- C. Grant Agreement Approval Forms

## OLD CAR BUY BACK PROGRAM UPDATE

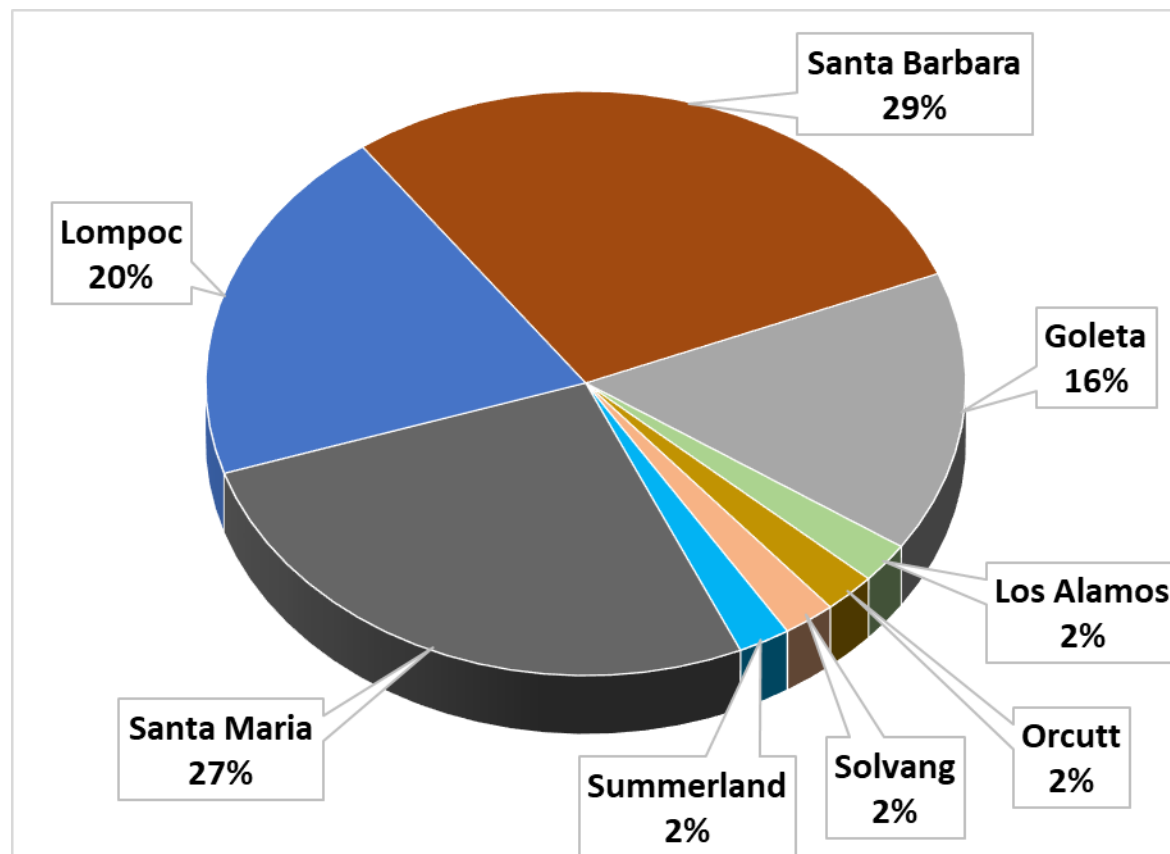
The District's Old Car Buy Back Program currently pays Santa Barbara County vehicle owners \$1,000 to voluntarily retire their fully legal and operational 1994 or older, light or medium duty car, truck, van, or SUV. On December 3, 2018, the District began accepting vehicles model year 1995 and older.

The three 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 DMV registration surcharge revenue and Carl Moyer Program funds.

<b>VEHICLES RETIRED: NOVEMBER 1, 2018 THROUGH DECEMBER 31, 2018</b>	<b>45</b>
<b>\$ EXPENDED: [45 VEHICLES @ \$1,250/VEHICLE]</b>	<b>\$56,250</b>
<b>TOTAL PROJECT TONS REDUCED [NOX + ROC + PM]:</b>	<b>4.08</b>

### VEHICLE OWNER LOCATION \*



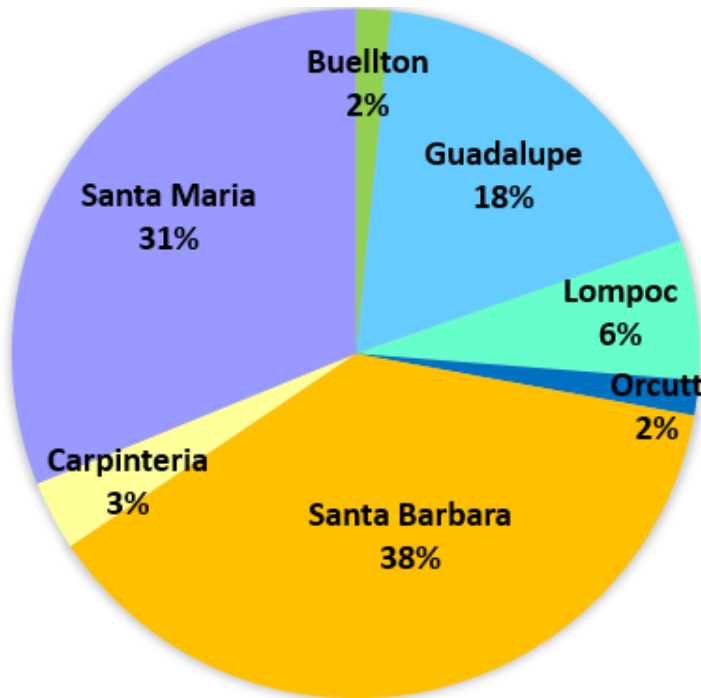
\*For vehicles retired only from November 1, 2018 – December 31, 2018.

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.

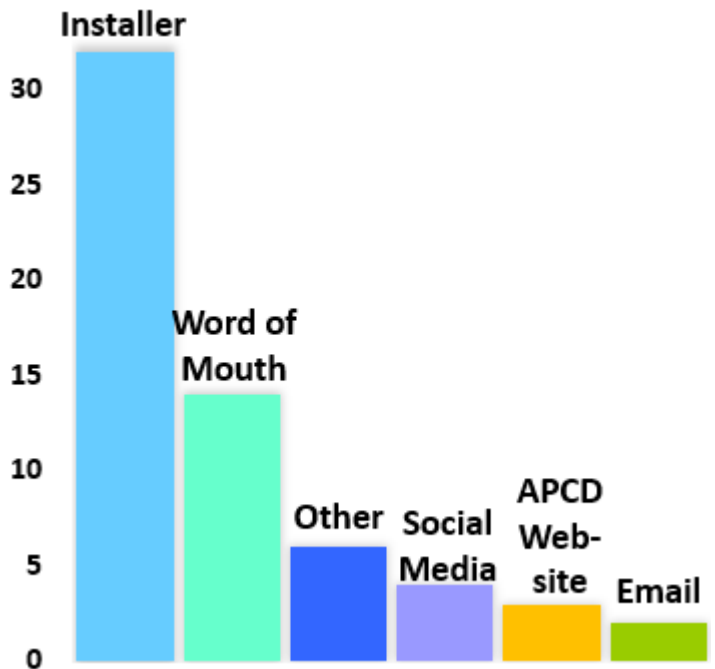
The program improves air quality and mitigates neighborhood impacts by reducing the amount of woodsmoke emitted from fireplaces and wood stoves in the county, which accounts for about 33 percent of wintertime particulate matter (PM<sub>2.5</sub> and PM<sub>10</sub>) emissions. In addition to particulate 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.

Fireplace and Stove Replacements October 25 <sup>th</sup> 2018 – February 28 <sup>th</sup> 2019						
Household Type:	Vouchers Issued	Projects Completed		\$ Expended	PM <sub>2.5</sub> (lbs) Reduced	Black Carbon (lbs) Reduced
		Wood Fireplace to Gas Insert	Wood Stove to Gas Stove			
Low Income	47	21	1	\$108,387	53,475	6,684
Other	14	7	1	\$8,000	13,864	1,733
<b>Total</b>	<b>61</b>	<b>28</b>	<b>2</b>	<b>\$116,387</b>	<b>67,339</b>	<b>8,417</b>

Project Location (All Issued Vouchers)



How Applicants Learned of Program



# GRANT AGREEMENT APPROVAL FORM

**To:** Air Pollution Control Officer  
**Staff Contact:** Mike McKay  
**Date:** March 12, 2019  
**Grant Program:** 2018 Clean Air Grants Program

## GRANT INFORMATION

**Grantee:** Boavista Farms  
**Grant Agreement Number:** AP181904  
**Grant Agreement Amount:** \$55,000  
**Existing Equipment:** 1996 Case IH 5240 agricultural tractor w/Tier 0 engine  
**New Equipment:** 2017 New Holland TS6.120HC ag tractor w/Tier 4F engine  
**Grant Cost-Effectiveness:** \$4,819/ton NO<sub>x</sub>+ROC+PM<sub>10</sub>  
**Program Limit:** \$30,000/ton NO<sub>x</sub>+ROC+PM<sub>10</sub>  
**Project Life:** 3 Years  
**Project Lifetime Emission Reductions:** 11.67 tons NO<sub>x</sub>+ROC+PM<sub>10</sub>

## PROGRAM INFORMATION

**Fiscal Year 2018-19 Budget:** \$1,826,628  
**Encumbered Grant Agreements:** \$55,000 (Including current Grant)  
**Current Program Balance:** \$1,771,628  
**Overall Program Cost-Effectiveness:** \$4,714/ton NO<sub>x</sub>+ROC+PM<sub>10</sub> (Including current Grant)

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

Air Pollution Control Officer

Date: 12 Mar 19

Please contact the Board Clerk to review this grant agreement

# GRANT AGREEMENT APPROVAL FORM

**To:** Air Pollution Control Officer  
**Staff Contact:** Mike McKay  
**Date:** March 12, 2019  
**Grant Program:** Clean Air Grants Program

## GRANT INFORMATION

**Grantee:** Durant Harvesting  
**Grant Agreement Number:** AP181908  
**Grant Agreement Amount:** \$125,000  
**Existing Equipment:** 2003 John Deere 8520RT agricultural tractor w/Tier 2 engine  
**New Equipment:** 2018 John Deere 8320RT agricultural tractor w/Tier 4F engine  
**Grant Cost-Effectiveness:** \$29,691/ton NO<sub>x</sub>+ROC+PM<sub>10</sub>  
**Program Limit:** \$30,000/ton NO<sub>x</sub>+ROC+PM<sub>10</sub>  
**Project Life:** 3 Years  
**Project Lifetime Emission Reductions:** 4.28 tons NO<sub>x</sub>+ROC+PM<sub>10</sub>

## PROGRAM INFORMATION

**Fiscal Year 2018-19 Budget:** \$1,826,628  
**Encumbered Grant Agreements:** \$180,000 (Including current Grant)  
**Current Program Balance:** \$1,646,628  
**Overall Program Cost-Effectiveness:** \$11,287/ton NO<sub>x</sub>+ROC+PM<sub>10</sub> (Including current Grant)

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

  
Air Pollution Control Officer

Date: 12 Mar 19

Please contact the Board Clerk to review this grant agreement

# GRANT AGREEMENT APPROVAL FORM

**To:** Air Pollution Control Officer  
**Staff Contact:** Mike McKay  
**Date:** March 12, 2019  
**Grant Program:** Clean Air Grants Program

## GRANT INFORMATION

**Grantee:** Swift Ranch  
**Grant Agreement Number:** AP181909  
**Grant Agreement Amount:** \$140,000  
**Existing Equipment:** 2008 Case 335 agricultural tractor w/Tier 3 engine  
**New Equipment:** 2018 Case Magnum 250 agricultural tractor w/Tier 4F engine  
**Grant Cost-Effectiveness:** \$29,621/ton NO<sub>x</sub>+ROC+PM<sub>10</sub>  
**Program Limit:** \$30,000/ton NO<sub>x</sub>+ROC+PM<sub>10</sub>  
**Project Life:** 3 Years  
**Project Lifetime Emission Reductions:** 4.81 tons NO<sub>x</sub>+ROC+PM<sub>10</sub>

## PROGRAM INFORMATION

**Fiscal Year 2018-19 Budget:** \$1,826,628  
**Encumbered Grant Agreements:** \$320,000 (Including current Grant)  
**Current Program Balance:** \$1,506,628  
**Overall Program Cost-Effectiveness:** \$15,419/ton NO<sub>x</sub>+ROC+PM<sub>10</sub> (Including current Grant)

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

Air Pollution Control Officer

Date: 12 Mar 19

Please contact the Board Clerk to review this grant agreement

# GRANT AGREEMENT APPROVAL FORM

**To:** Air Pollution Control Officer  
**Staff Contact:** Alex Economou  
**Date:** February 5, 2019  
**Grant Program:** School Bus Replacement and Retrofit Program


## GRANT INFORMATION

**Grantee:** Orcutt Union School District  
**Grant Agreement Number:** AP181912  
**Grant Agreement Amount:** \$125,000  
**Existing Equipment:** 1990 Blue Bird All American diesel school bus  
**New Equipment:** 2019 IC model RE3911 diesel school bus  
**Grant Cost-Effectiveness:** \$261,695/ton NO<sub>x</sub>+ROC+PM<sub>10</sub>  
**Program Limit:** \$276,230/ton NO<sub>x</sub>+ROC+PM<sub>10</sub>  
**Project Life:** 7 Years  
**Project Lifetime Emission Reductions:** 0.44 tons NO<sub>x</sub>+ROC+PM<sub>10</sub>

## PROGRAM INFORMATION

**Fiscal Year 2018-19 Budget:** \$165,000  
**Encumbered Grant Agreements:** \$125,000 (Including current Grant)  
**Current Program Balance:** \$40,000  
**Overall Program Cost-Effectiveness:** \$261,695/ton NO<sub>x</sub>+ROC+PM<sub>10</sub> (Including current Grant)

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

  
Air Pollution Control Officer

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

6 Mar 19

Please contact the Board Clerk to review this grant agreement