




air pollution control district
SANTA BARBARA COUNTY

Agenda Date: March 19, 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 December 1, 2019 through December 31, 2019; and
2. An update on the Woodsmoke Reduction Program for fireplace and stove replacement projects during the period of December 12, 2019 through March 1, 2020; and
3. Summary of the emission-reduction grant agreements approved by the Air Pollution Control Officer for the period of November 26, 2019 through February 29, 2020 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

[Aeron Arlin Genet](#), Air Pollution Control Officer

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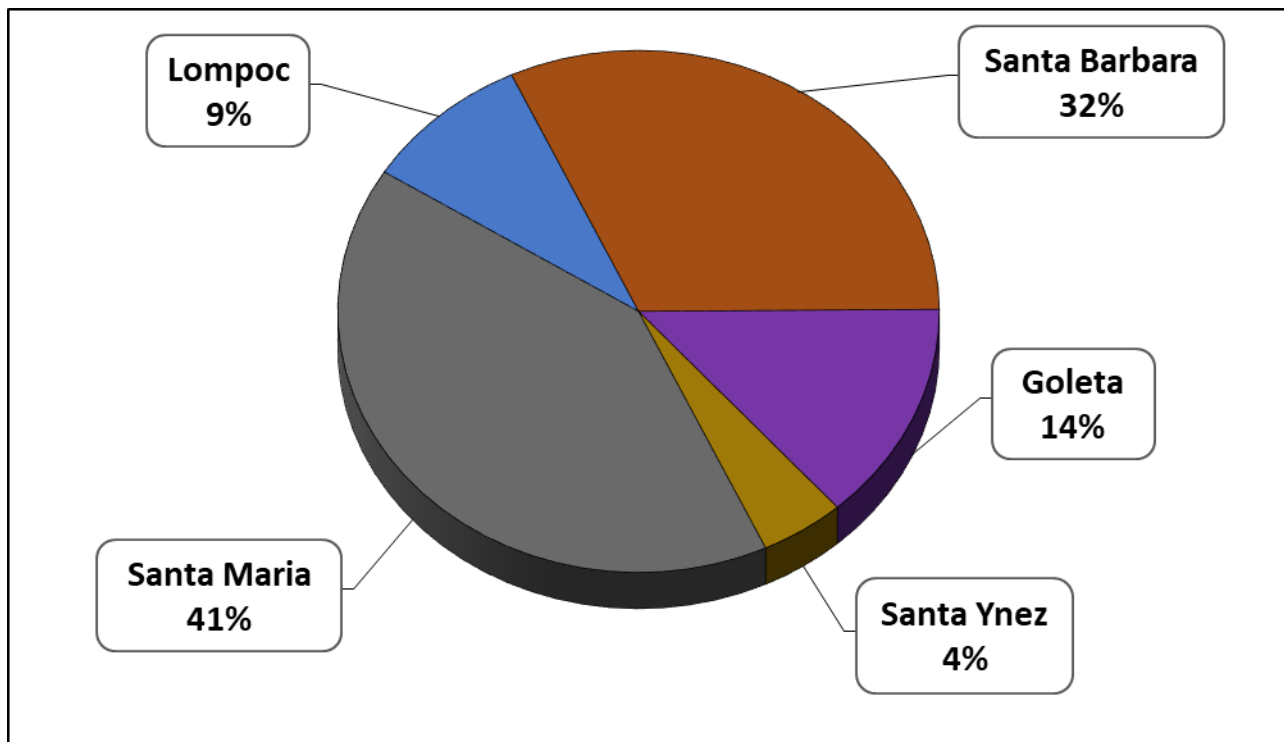
OLD CAR BUY BACK PROGRAM UPDATE

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 1995 or older, light or medium duty car, truck, van, or SUV. 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 \$2 DMV registration surcharge funds and the program has expended \$159,000 in Fiscal Year 2019-20.

| | |
|---|---------------------|
| VEHICLES RETIRED: DECEMBER 1, 2019 THROUGH DECEMBER 31, 2019 | 22 |
| \$ COMMITTED: [22 VEHICLES @ \$1,250/VEHICLE] | \$27,500 |
| TOTAL PROJECT TONS REDUCED [NOX + ROC + PM]: | 1.79 |
| AVERAGE PROJECT COST-EFFECTIVENESS | \$14,962/ton |

VEHICLE OWNER LOCATION *



*For vehicles retired from December 1, 2019 – December 31, 2019.



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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.

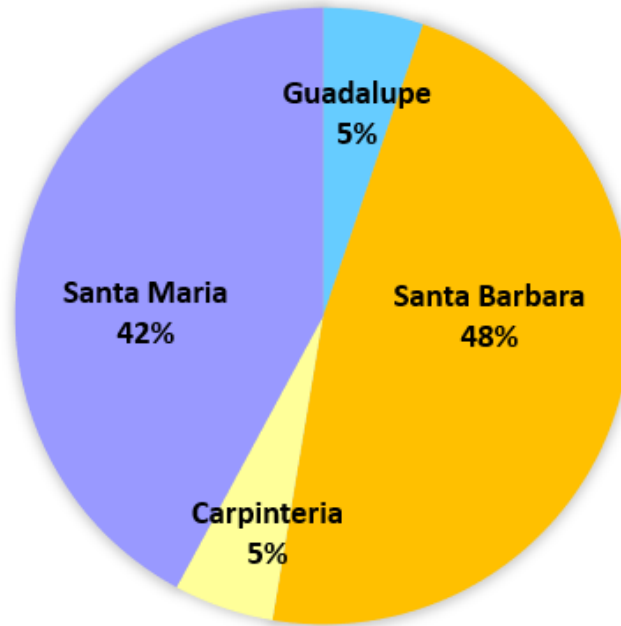
The program improves air quality and mitigates neighborhood impacts by reducing the amount of woodsmoke emitted from fireplaces and wood stoves in the county, which accounts for about 33 percent of wintertime particulate matter (PM_{2.5} and PM₁₀) emissions. In addition to particulate matter, woodsmoke 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 1 Fireplace and Stove Replacements (Final Report for Year 1) | | | | | | |
|---|-----------------|------------------------------|-------------------------|------------------|---------------------------------|---|
| Household Type | Vouchers Issued | Projects Completed | | \$ Expended | PM _{2.5} Reduced (lbs) | Ozone Precursors Reduced (NO _x and ROC, lbs) |
| | | Wood Fireplace to Gas Insert | Wood Stove to Gas Stove | | | |
| Low Income | 50 | 42 | 1 | \$211,978 | 83,516 | 157,318 |
| Other | 17 | 11 | 1 | \$13,000 | 22,119 | 42,092 |
| Total | 67 | 53 | 2 | \$224,978 | 105,635 | 199,410 |
| Year 1 Program Budget | | | | \$225,000 | | |
| Year 1 Program Balance | | | | \$22 | | |
| Cost Effectiveness (\$/ton PM_{2.5}) | | | | \$4,260 | | |
| Cost Effectiveness (\$/ton NO_x and ROC) | | | | \$2,257 | | |

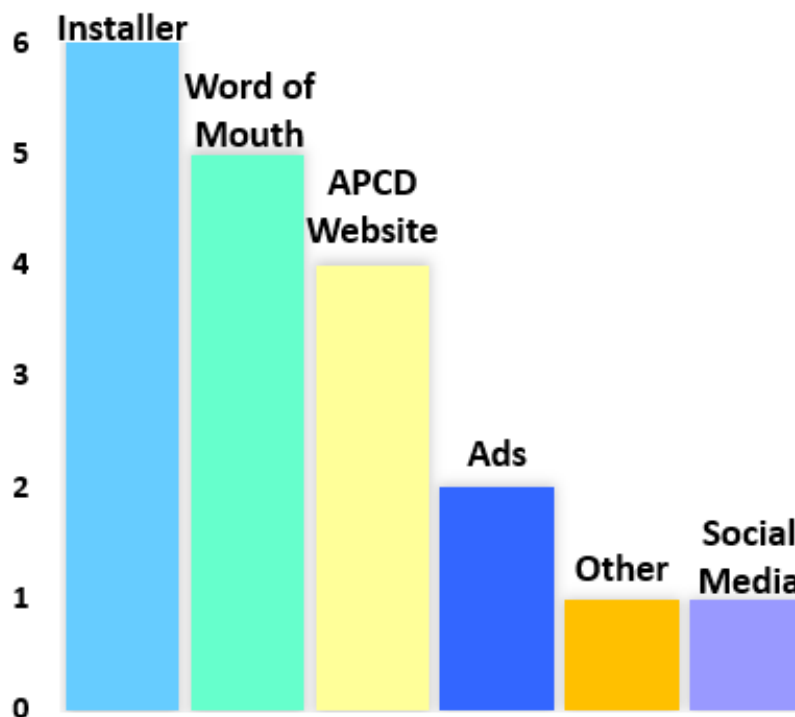
| Year 2 Fireplace and Stove Replacements (December 12 th 2019 – March 1 st 2020) | | | | | | |
|---|-----------------|------------------------------|-------------------------|-----------------|---------------------------------|---|
| Household Type | Vouchers Issued | Projects Completed | | \$ Expended | PM _{2.5} Reduced (lbs) | Ozone Precursors Reduced (NO _x and ROC, lbs) |
| | | Wood Fireplace to Gas Insert | Wood Stove to Gas Stove | | | |
| Low Income | 19 | 5 | 0 | \$25,000 | 9,903 | 18,585 |
| Other | 0 | 0 | 0 | \$0 | 0 | 0 |
| Total | 19 | 5 | 0 | \$25,000 | 9,903 | 18,585 |
| Year 2 Program Budget | | | | \$90,756 | | |
| Year 2 Program Balance | | | | \$65,756 | | |
| Cost Effectiveness (\$/ton PM_{2.5}) | | | | \$5,049 | | |
| Cost Effectiveness (\$/ton NO_x and ROC) | | | | \$2,690 | | |



Project Location (Year 2 Vouchers)



How Applicants Learned of Program (Year 2)



ATTACHMENT C

Grant Agreement Approval Forms for the Period of
November 26, 2019 – February 29, 2020

March 19, 2020

Santa Barbara County Air Pollution Control District
Board of Directors

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