




air pollution control district
SANTA BARBARA COUNTY

Agenda Item: E-2
Agenda Date: May 21, 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 January 1, 2020 through February 29, 2020;
2. An update on the Woodsmoke Reduction Program for fireplace and stove replacement projects during the period of December 12, 2019 through May 1, 2020;
3. An update on the Landscape Equipment Electrification Fund (LEEF) program for zero-emission landscape equipment vouchers during the period of March 4, 2020 through May 1, 2020; and
4. Summary of the emission-reduction grant agreements approved by the Air Pollution Control Officer for the period of March 1, 2020 through April 30, 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. Landscape Equipment Electrification Fund Update
- D. Grant Agreement Approval Forms

ATTACHMENT A

Old Car Buy Back Program Update for the period of
January 1, 2020 – February 29, 2020

May 21, 2020

Santa Barbara County Air Pollution Control District
Board of Directors

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

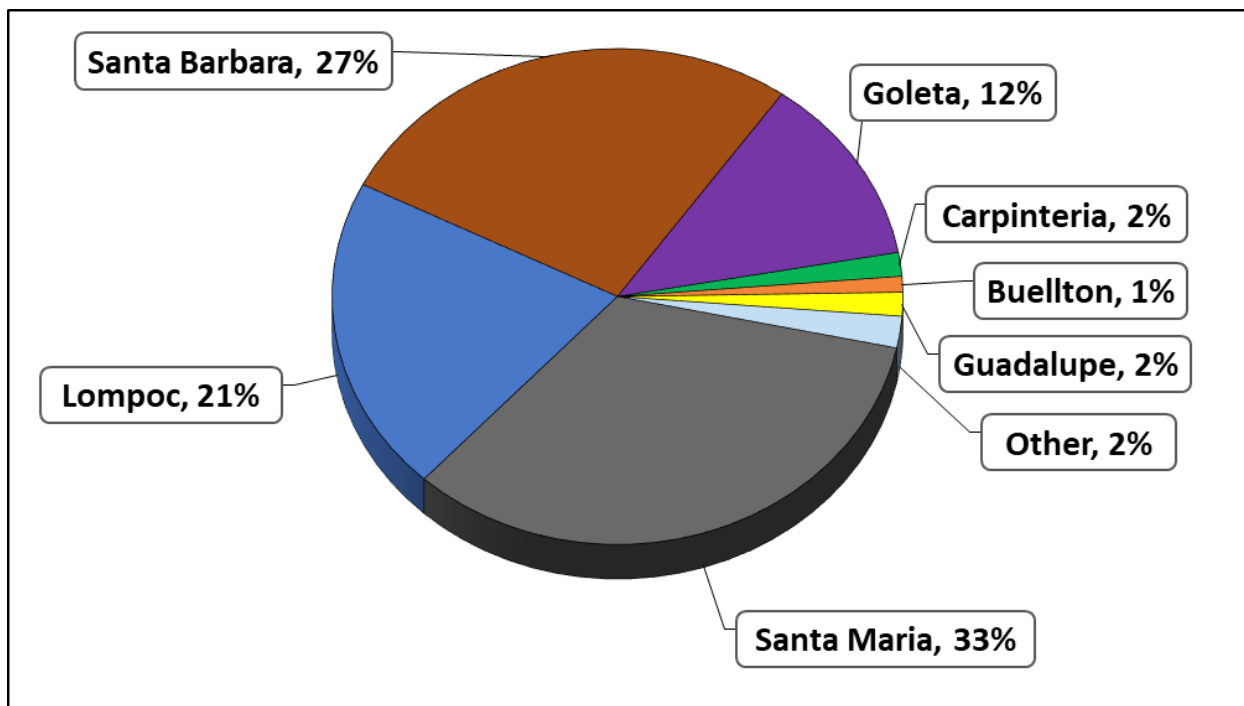
OLD CAR BUY BACK PROGRAM UPDATE

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 1995 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 fiscal year-to-date.

DATE RANGE:	1/1/2020 THROUGH 2/29/2020	FY 2019-20 YEAR-TO-DATE ¹
VEHICLES RETIRED:	34	194
\$ COMMITTED @ \$1,250/VEHICLE	\$42,500	\$242,500
TOTAL TONS REDUCED [NOx + ROC + PM]:	2.91	16.87
AVERAGE PROJECT COST-EFFECTIVENESS	\$14,055/ton	\$14,073/ton

VEHICLE OWNER LOCATION (FY 2019-20)



¹ Year to date based on this reporting cycle (i.e., July 1, 2019 – February 29, 2020).

ATTACHMENT B

Woodsmoke Reduction Program Update for the period of
December 12, 2019 – May 1, 2020

May 21, 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

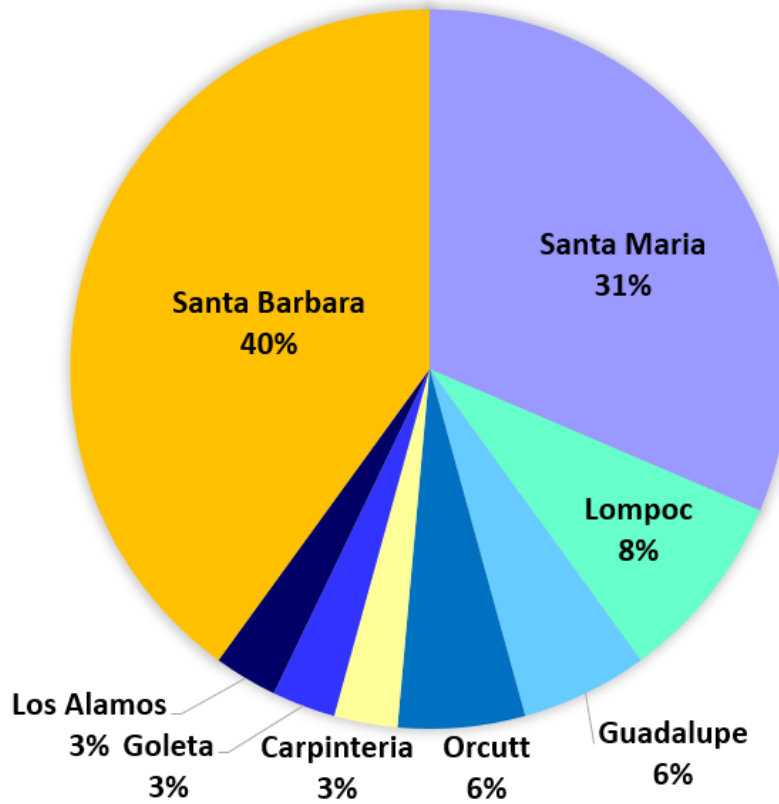
This voluntary program is designed to help households replace a wood-burning uncertified stove, fireplace insert, or fireplace used as a primary source of heat with a cleaner-burning and more efficient device. Applicants who meet low-income eligibility requirements may qualify for an Enhanced Incentive 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_{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.

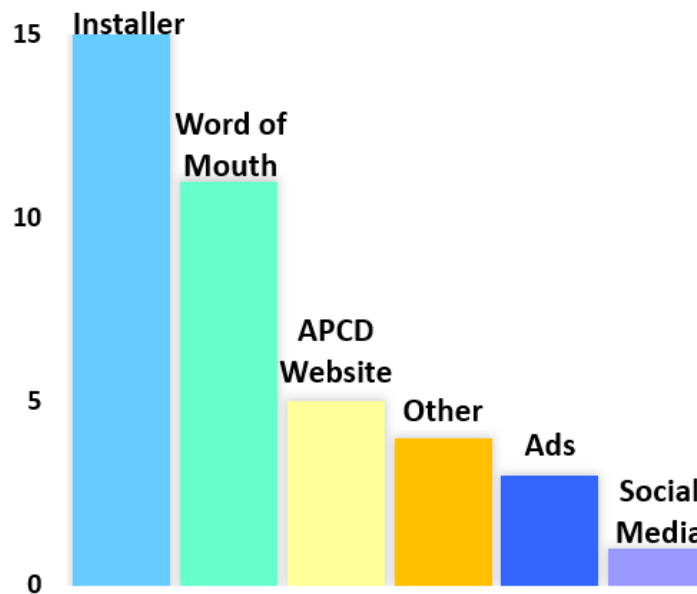
Year 2 Program Fireplace and Stove Replacements (December 12 th 2019 – May 1 st 2020)						
Household Type	Vouchers Issued	Projects Completed		\$ Expended	PM _{2.5} Reduced (lbs)	Ozone Precursors Reduced (NO _x and ROC, lbs)
		Wood Fireplace to Gas Insert	Wood Stove to Gas Stove			
Low Income	33	14	0	\$68,899	26,080	49,525
Other	2	0	0	\$0	0	0
Total	35	14	0	\$68,899	26,080	49,525
Year 2 Program Budget				\$212,756		
Year 2 Program Balance				\$143,857		
Cost Effectiveness (\$/ton PM_{2.5})				\$5,283		
Cost Effectiveness (\$/ton NO_x and ROC)				\$2,782		



Project Location



How Applicants Learned of Program



ATTACHMENT C

Landscape Equipment Electrification Fund (LEEF) Update for
the period of
March 4, 2020 – May 1, 2020

May 21, 2020

Santa Barbara County Air Pollution Control District
Board of Directors

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



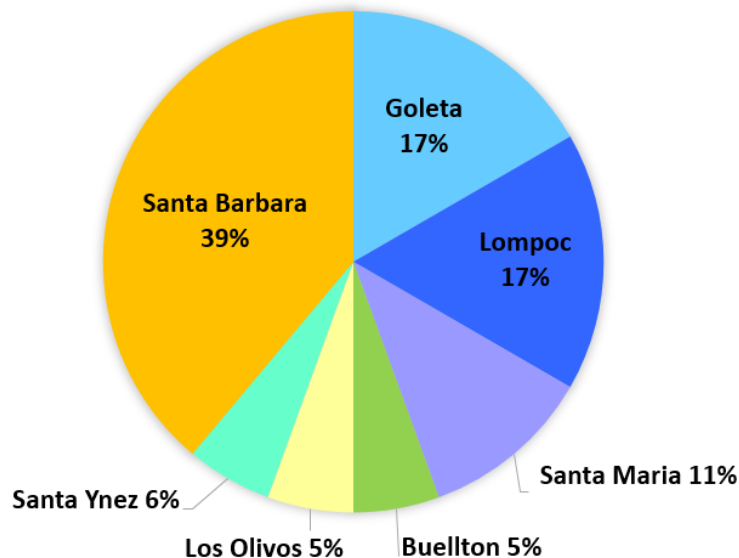
Landscape Equipment Electrification Fund (LEEF) Pilot Program Update

The LEEF Pilot Program offers vouchers to help landscape businesses, public agencies, and public or private schools that perform their own landscape maintenance services and are located in or do businesses within the County, to transition to the use of zero-emission electric landscape equipment. The Pilot Program is funded with \$100,000 from the District’s Clean Air Fund that your board approved in December of 2019. Eligible organizations can receive a voucher of up to \$10,000 for purchase of electric ride-on mowers, walk-behind mowers, leaf blowers, leaf vacuums, edgers, trimmers, chainsaws, and pole saws. The voucher covers up to 60% of the purchase price for landscape equipment and up to 100% of the purchase price for an additional battery or charger for each piece of equipment purchased. The vouchers were distributed on a first-come, first-served basis with 50% of initial funds allocated to landscape businesses.

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 a change in consumer purchases throughout the county.

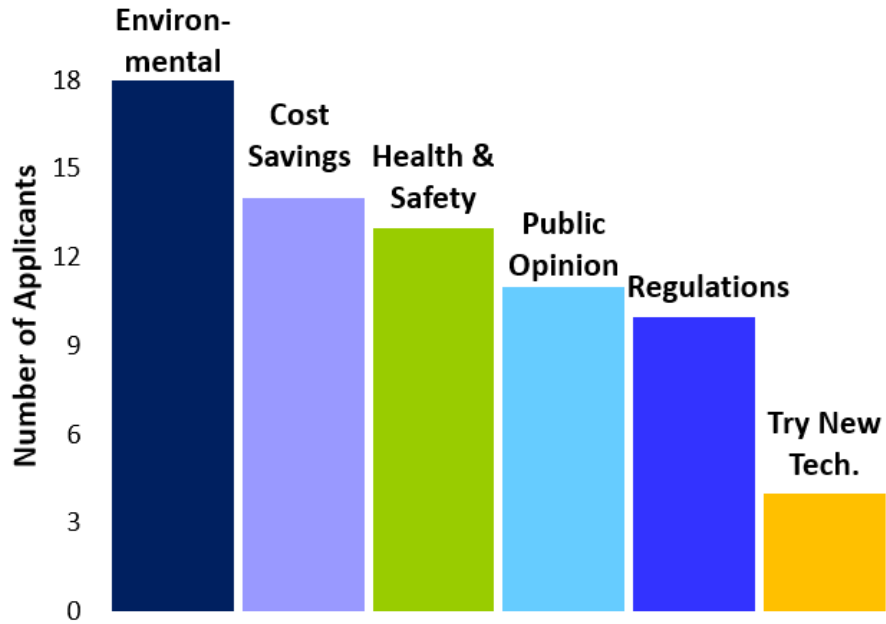
Pilot Program Voucher Incentives (March 4 th , 2020 – May 1 st , 2020)					
Organization Type	Applications Received		Vouchers Issued		\$ Expended to Date
	Number	Amount	Number	Amount	
Business	13	\$86,129	7	\$54,201	\$32,466
Public Agency	3	\$24,593	1	\$10,000	\$10,000
School	11	\$37,180	11	\$35,799	\$21,939
Total	27	\$147,902	19	\$100,000	\$64,405
Program Budget					\$100,000
Program Balance					\$35,595

Project Location

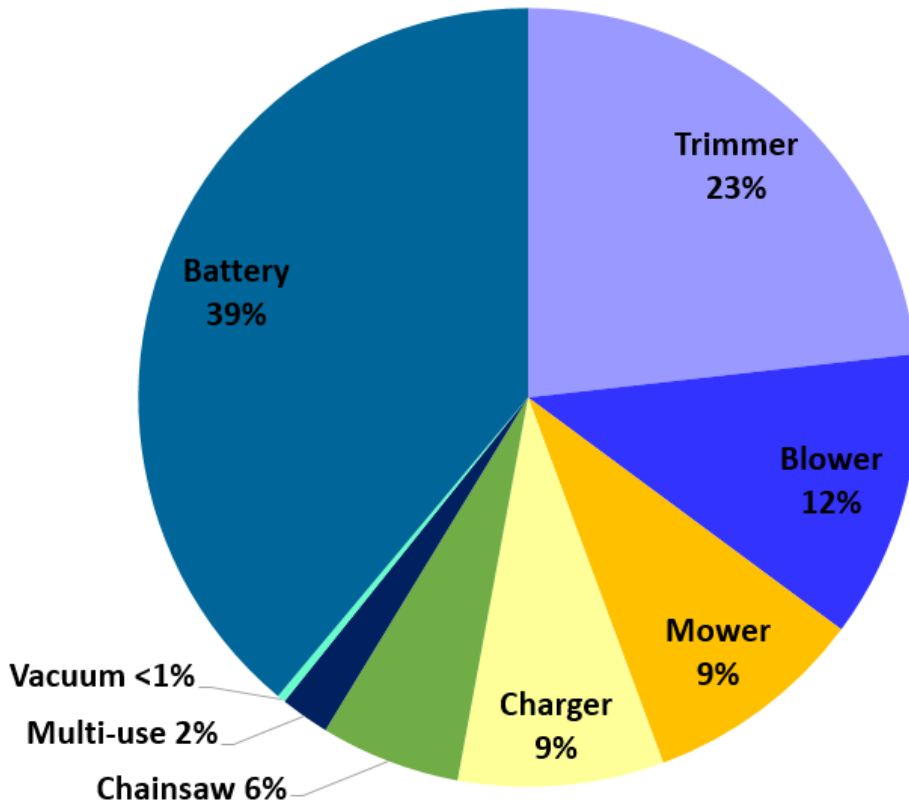




Reasons for Applying



Equipment Types Funded



ATTACHMENT D

**Grant Agreement Approval Forms for the Period of
March 1, 2020 – April 30, 2020**

May 21, 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: Alex Economou
Date: February 20, 2020
Grant Program: Community Air Protection Program – Year 2 funds
Category: School Bus

GRANT INFORMATION

Grantee: Santa Maria Joint Union High School District (AP192022)
Project Location: Santa Maria
Grant Agreement Amount: \$69,344
Old Equipment: 1989 International 3700 diesel school bus
New Equipment: 2019 IC RE3505 diesel school bus
Grant Cost-Effectiveness: \$276,227/ton NO_x+ROC+PM₁₀
Cost-Effectiveness Limit: \$276,230/ton NO_x+ROC+PM₁₀
Project Life: 5 Years
Project Lifetime Emission Reductions: 0.25 tons (0.05 tons/year)

FUND INFORMATION

Community Air Protection Program – Year 2 Budget: \$1,060,100
Encumbered Grant Agreements: \$536,008 (Including current grant)
Community Air Protection Program – Year 2 Balance: \$524,092

Approved: _____

Air Pollution Control Officer

Date: 5 Mar 2020

Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM

To: Air Pollution Control Officer
Staff Contact: Desmond Ho
Date: 03/05/2020
Grant Program: Community Air Protection Program – Year 2 funds
Category: Marine

GRANT INFORMATION

Grantee: Goodland Seafood (AP192021)
Project Location: Santa Barbara Harbor
Grant Agreement Amount: \$86,000
Old Equipment: 1984 Caterpillar 3208 Marine Engine 435hp (Tier 0)
New Equipment: 2019 Volvo D11 Marine Engine 510hp (Tier 3)
Grant Cost-Effectiveness: \$28,320
Cost-Effectiveness Limit: \$30,000
Project Life: 5 Years
Project Lifetime Emission Reductions: 3.135 tons (0.627 tons/yr)

FUND INFORMATION

Community Air Protection Program – Year 2 Budget: \$1,060,100
Encumbered Grant Agreements: \$589,534 (Including current grant)
Community Air Protection Program – Year 2 Balance: \$470,566

Approved: _____

Air Pollution Control Officer

Date: 11 Mar 2020

Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM

To: Air Pollution Control Officer
Staff Contact: Emily Waddington
Date: 03/11/2020
Grant Program: Community Air Protection Program – Year 2 funds
Category: Infrastructure

GRANT INFORMATION

Grantee: Santa Barbara Metropolitan Transit District (AP192008)
Project Location: Santa Barbara
Grant Agreement Amount: \$36,871
Old Equipment: N/A
New Equipment: Fourteen (14) Level-2 ChargePoint EV charging stations
Grant Cost-Effectiveness: N/A
Cost-Effectiveness Limit: N/A
Project Life: 3 Years
Project Lifetime Emission Reductions: N/A

FUND INFORMATION

Community Air Protection Year 2 Budget: \$1,060,100
Encumbered Grant Agreements: \$503,535 (Including current grant)
Community Air Protection Balance: \$556,564

Approved: _____

Air Pollution Control Officer

Date: _____

13 Mar 2020

Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM

To: Air Pollution Control Officer
Staff Contact: Desmond Ho
Date: 3/17/2020
Grant Program: Community Air Protection Program – Year 2 funds
Category: Marine

GRANT INFORMATION

Grantee: H&M Landing (AP192010)
Project Location: Santa Barbara Harbor
Grant Agreement Amount: \$150,000
Old Equipment: 2 2001 Detroit Diesel Marine Engines 740hp (Tier 2)
New Equipment: 2 2020 Scania DI13/087 Marine Engines 700hp (Tier 3)
Grant Cost-Effectiveness: \$26,970
Cost-Effectiveness Limit: \$30,000
Project Life: 4 Years
Project Lifetime Emission Reductions: 3.552 tons (0.888 tons/yr)

FUND INFORMATION

Community Air Protection Program – Year 2 Budget: \$1,060,100
Encumbered Grant Agreements: \$739,534 (Including current grant)
Community Air Protection Program – Year 2 Balance: \$320,566

Approved: _____

Air Pollution Control Officer

Date: 17 Mar 2020

Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM

To: Air Pollution Control Officer
Staff Contact: Alex Economou
Date: March 13, 2020
Grant Program: Community Air Protection Program – Year 2 funds
Category: Infrastructure

GRANT INFORMATION

Grantee: County of Santa Barbara (AP192017)
Project Location: Lompoc
Grant Agreement Amount: \$148,029
New Equipment: Sixteen (16) single port Level 2 charging stations
Grant Cost-Effectiveness: Not Applicable for Infrastructure
Cost-Effectiveness Limit: Not Applicable for Infrastructure
Project Life: 3 Years
Project Lifetime Emission Reductions: Not Applicable for Infrastructure

FUND INFORMATION

Community Air Protection Program – Year 2 Budget: \$1,060,100
Encumbered Grant Agreements: \$684,037 (Including current grant)
Community Air Protection Program – Year 2 Balance: \$376,063

Approved: 
Air Pollution Control Officer

Date: 17 Mar 2020

Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM


To: Air Pollution Control Officer
Staff Contact: Alex Economou
Date: March 13, 2020
Grant Program: Community Air Protection Program – Year 2 funds
Category: Infrastructure

GRANT INFORMATION

Grantee: Marian Regional Medical Center (AP192024)
Project Location: Santa Maria
Grant Agreement Amount: \$30,660
New Equipment: Two (2) dual port Level 2 electric vehicle charging stations
Grant Cost-Effectiveness: Not Applicable for Infrastructure
Cost-Effectiveness Limit: Not Applicable for Infrastructure
Project Life: 3 Years
Project Lifetime Emission Reductions: Not Applicable for Infrastructure

FUND INFORMATION

Community Air Protection Program – Year 2 Budget: \$1,060,100
Encumbered Grant Agreements: \$714,697 (Including current grant)
Community Air Protection Program – Year 2 Balance: \$345,403

Approved:  Air Pollution Control Officer	Date: <u>24 Mar 2020</u>
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Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM

To: Air Pollution Control Officer
Staff Contact: Mike McKay
Date: 04/07/20
Grant Program: AB 923 - \$2 DMV funds
Category: Off-Road

GRANT INFORMATION

Grantee: Santa Barbara Farms (AP192030)
Project Location: Lompoc Valley
Grant Agreement Amount: \$40,000
Old Equipment: 1978 John Deere Agricultural Tractor 110hp (Tier 0)
New Equipment: 2020 Massey Ferguson Agricultural Tractor 125hp (Tier 4F)
Grant Cost-Effectiveness: \$24,736
Cost-Effectiveness Limit: \$30,000
Project Life: 3 Years
Project Lifetime Emission Reductions: 1.647 tons (0.549 tons/yr)

FUND INFORMATION

AB 923 \$2 DMV – Year 2 Budget: \$700,000.00
Encumbered Grant Agreements: \$265,241.39 (Including current grant)
AB 923 \$2 DMV – Year 2 Balance: \$434,758.61

Approved: _____

Air Pollution Control Officer

Date: 7 April 2020

Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM

To: Air Pollution Control Officer
Staff Contact: Mike McKay
Date: 04/07/20
Grant Program: AB 923 - \$2 DMV funds
Category: Off-Road

GRANT INFORMATION

Grantee: S&S Seeds (AP192029)
Project Location: Los Alamos
Grant Agreement Amount: \$35,000
Old Equipment: 1961 John Deere Agricultural Tractor 71hp (Tier 0)
New Equipment: 2019 John Deere Agricultural Tractor 75hp (Tier 4F)
Grant Cost-Effectiveness: \$20,232
Cost-Effectiveness Limit: \$30,000
Project Life: 3 Years
Project Lifetime Emission Reductions: 1.782 tons (0.594 tons/yr)

FUND INFORMATION

AB 923 \$2 DMV – Year 2 Budget: \$700,000.00
Encumbered Grant Agreements: \$225,241.39 (Including current grant)
AB 923 \$2 DMV – Year 2 Balance: \$474,758.61

Approved: _____

Air Pollution Control Officer

Date: 7 April 2020

Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM

To: Air Pollution Control Officer
Staff Contact: Mike McKay
Date: 04/07/20
Grant Program: Carl Moyer – Year 21
Category: Off-Road

GRANT INFORMATION

Grantee: Flower & Vine (AP192031)
Project Location: Santa Ynez Valley
Grant Agreement Amount: \$30,000
Old Equipment: 1997 John Deere Agricultural Tractor 48hp (Tier 0)
New Equipment: 2019 John Deere Agricultural Tractor 75hp (Tier 4F)
Grant Cost-Effectiveness: \$7,657
Cost-Effectiveness Limit: \$30,000
Project Life: 3 Years
Project Lifetime Emission Reductions: 3.981 tons (1.327 tons/yr)

FUND INFORMATION

Carl Moyer Year 21 Budget: \$563,651.00
Encumbered Grant Agreements: \$229,639.69 (Including current grant)
Carl Moyer Year 21 Balance: \$334,011.31

Approved: _____


Air Pollution Control Officer

Date: 7 April 2020

Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM

To: Air Pollution Control Officer
Staff Contact: Mike McKay
Date: 04/07/20
Grant Program: AB 923 - \$2 DMV funds
Category: Off-Road

GRANT INFORMATION

Grantee: Plantel Nurseries (AP192025)
Project Location: Santa Maria Valley
Grant Agreement Amount: \$70,000
Old Equipment: 2002 John Deere Agricultural Tractor 100hp (Tier 1)
New Equipment: 2019 John Deere Agricultural Tractor 120hp (Tier 4F)
Grant Cost-Effectiveness: \$13,015
Cost-Effectiveness Limit: \$30,000
Project Life: 3 Years
Project Lifetime Emission Reductions: 5.712 tons (1.904 tons/yr)

FUND INFORMATION

AB 923 \$2 DMV – Year 2 Budget: \$700,000.00
Encumbered Grant Agreements: \$145,241.39 (Including current grant)
AB 923 \$2 DMV – Year 2 Balance: \$554,758.61

Approved: _____

Air Pollution Control Officer

Date: _____

7 April 2020

Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM

To: Air Pollution Control Officer
Staff Contact: Mike McKay
Date: 04/07/20
Grant Program: AB 923 - \$2 DMV funds
Category: Off-Road

GRANT INFORMATION

Grantee: Star Lane & Diergerg Vineyards, LLC (AP192027)
Project Location: Los Alamos
Grant Agreement Amount: \$45,000
Old Equipment: 1997 John Deere Agricultural Tractor 83.2hp (Tier 0)
New Equipment: 2018 New Holland Agricultural Tractor 106hp (Tier 4F)
Grant Cost-Effectiveness: \$25,403
Cost-Effectiveness Limit: \$30,000
Project Life: 3 Years
Project Lifetime Emission Reductions: 1.806 tons (0.602 tons/yr)

FUND INFORMATION

AB 923 \$2 DMV – Year 2 Budget: \$700,000.00
Encumbered Grant Agreements: \$190,241.39 (Including current grant)
AB 923 \$2 DMV – Year 2 Balance: \$509,758.61

Approved: _____

Air Pollution Control Officer

Date: _____

7 April 2020

Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM

To: Air Pollution Control Officer
Staff Contact: Mike McKay
Date: 04/21/20
Grant Program: AB 923 - \$2 DMV funds
Category: Off-Road

GRANT INFORMATION

Grantee: Tommy Town Thoroughbreds (AP192026)
Project Location: Santa Ynez
Grant Agreement Amount: \$95,000
Old Equipment: 1993 Case Agricultural Tractor 166hp (Tier 0)
New Equipment: 2019 John Deere Agricultural Tractor 175hp (Tier 4F)
Grant Cost-Effectiveness: \$12,076
Cost-Effectiveness Limit: \$30,000
Project Life: 3 Years
Project Lifetime Emission Reductions: 8.037 tons (2.679 tons/yr)

FUND INFORMATION

AB 923 \$2 DMV – Year 2 Budget: \$700,000.00
Encumbered Grant Agreements: \$360,241.39 (Including current grant)
AB 923 \$2 DMV – Year 2 Balance: \$339,758.61

Approved: _____

Air Pollution Control Officer

Date: 21 April 2020

Please contact the Board Clerk to review this grant agreement

GRANT AGREEMENT APPROVAL FORM

To: Air Pollution Control Officer
Staff Contact: Mike McKay
Date: 04/28/20
Grant Program: AB 923 - \$2 DMV funds
Category: Off-Road

GRANT INFORMATION

Grantee: OSR Enterprises (AP192033)
Project Location: Santa Maria Valley
Grant Agreement Amount: \$119,000
Old Equipment: 1993 John Deere Agricultural Tractor 200hp (Tier 0)
New Equipment: 2019 John Deere Agricultural Tractor 370hp (Tier 4F)
Grant Cost-Effectiveness: \$29,997
Cost-Effectiveness Limit: \$30,000
Project Life: 3 Years
Project Lifetime Emission Reductions: 4.026 tons (1.342 tons/yr)

FUND INFORMATION

AB 923 \$2 DMV – Year 2 Budget: \$700,000.00
Encumbered Grant Agreements: \$479,241.39 (Including current grant)
AB 923 \$2 DMV – Year 2 Balance: \$220,758.61

Approved: _____


Air Pollution Control Officer

Date: _____

30 April 2020

Please contact the Board Clerk to review this grant agreement