

air pollution control district

Agenda Item:E-2Agenda Date:May 20, 2021Agenda Placement:AdminEstimated Time:N/AContinued Item:No

Board Agenda Item

TO: Air Pollution Control District Board

FROM: Aeron Arlin Genet, Air Pollution Control Office

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

SUBJECT: District Grant and Incentives 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 March 1, 2021 through April 30, 2021;
- 2. A final update on the Woodsmoke Reduction Program for fireplace and stove replacement projects for the Pilot, Year 1, and Year 2 programs;
- 3. An update on the Landscape Equipment Electrification Fund (LEEF) Program Year 2 for zeroemission landscape equipment vouchers during the period of November 16, 2020 through April 30, 2021; and
- 4. Summary of the emission-reduction grant agreements approved by the Air Pollution Control Officer for the period of March 1, 2021 through April 30, 2021 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. Your Board expanded the authority of the Air Pollution Control Officer to issue grants for emission reduction projects up to \$250,000 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.

ATTACHMENTS:

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

Aeron Arlin Genet, Air Pollution Control Officer

📞 805.961.8800 🛛 💡 260 N. San Antonio Rd., Ste. A 🛛 Santa Barbara, CA 93110 🏻 🌐 ourair.org 🛛 😏 🙋 @OurAirSBC

ATTACHMENT A

Old Car Buy Back Program Update for the period of March 1, 2021 – April 30, 2021

May 20, 2021

Santa Barbara County Air Pollution Control District Board of Directors

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

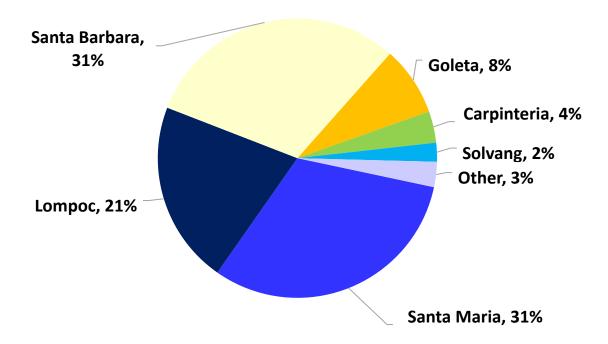


Old Car Buy Back Program Update

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 21st 2020 while we implemented the new Board approved contracts with the dismantlers and the program began receiving vehicles again on October 16th 2020.

Old Car Buy Back Program Activity			
	3/1/2021-4/30/2021	FY 2020-21	
Vehicles retired	40	142	
Funds committed @ \$1,250/vehicle	\$50,000	\$177,500	
Total tons reduced [NOx+ ROC + PM]	3.08	11.39	
Average project cost-effectiveness	\$16,725/ton	\$16,375/ton	



Vehicle Owner Location (FY 2020-21)

ATTACHMENT B

Final Update on the Woodsmoke Reduction Pilot, Year 1, & Year 2 Programs

May 20, 2021

Santa Barbara County Air Pollution Control District Board of Directors

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





Woodsmoke Reduction Program Final Update

This voluntary program is designed to help households replace a wood-burning uncertified stove, fireplace insert, or fireplace with a cleaner-burning and more efficient device. The Pilot Program began April 2017 and offered \$1,000 to participants to replace their wood-burning device or \$500 for complete removal. Year 1 and Year 2 of the program offered incentives of up to \$5,000 for applicants who meet low-income eligibility requirements. The Pilot Program was locally funded while funds for Year 1 and Year 2 came from California Climate Investments (CCI), a statewide initiative that puts Cap-and-Trade dollars to work. The CCI budget does not include any woodsmoke reduction funds in 2021.

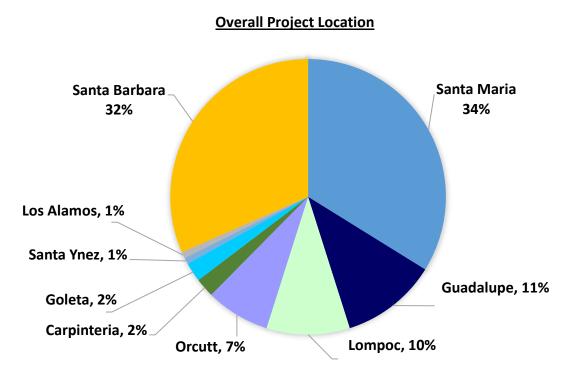
This is the final report for the Woodsmoke Reduction Program. All program funds have been successfully expended and implemented. Over the three cycles of the program, the District was able to expend \$470,652 to achieve the change-out of 133 wood-burning devices. Low-income households and households located in a low-income neighborhood accounted for 85 of these change-outs and 90% of the program's funding with \$423,152 in total funds. The remaining 48 change-outs took place in other residences and received \$47,500 in total funds. The remaining 48 change-outs with 36% of projects located in south county (Santa Barbara, Carpinteria, and Goleta), 2% in mid-county (Los Alamos and Santa Ynez), and 62% in north county (Santa Maria Guadalupe, Lompoc, and Orcutt).

The program was successful in improving air quality and mitigating 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 achieved reductions in black carbon, a short-lived climate pollutant emitted when wood burns.

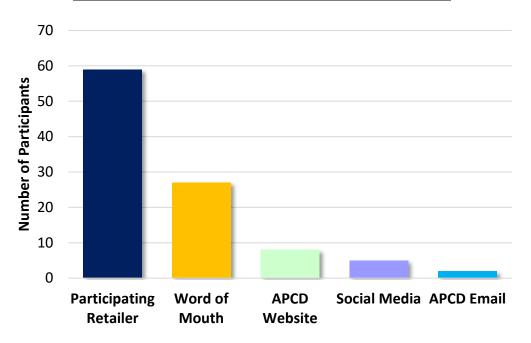
Woodsmoke Reduction Program Final Report						
Program	Program Dates	Projects (Completed	\$ Expended	PM _{2.5}	Ozone
		Low	Other		Reduced (Ibs)	Precursors
		Income				Reduced (NOx and ROC, lbs)
Pilot	Apr 2017 - Jun 2018	N/A	32	\$31,500	53,492	103,870
Year 1	Nov 2018 - Dec 2019	43	12	\$225,000	105,635	199,409
Year 2	Dec 2019 - May 2021	42	4	\$214,062	89,401	169,095
Total 85 48		\$470,652	248,528	472,374		
Cost Effectiveness (\$/ton PM _{2.5})			\$3,787			
Cost Effectiveness (\$/ton NOx and ROC)			\$1,992			







How Participants Learned of Program (Year 1 and Year 2)



ATTACHMENT C

Landscape Equipment Electrification Fund (LEEF) Update for the period of November 16, 2020 – April 30, 2021

May 20, 2021

Santa Barbara County Air Pollution Control District Board of Directors

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

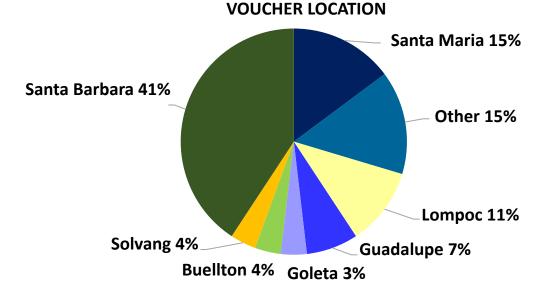


Landscape Equipment Electrification Fund (LEEF) Program Year 2 Update

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 closed on January 15, 2021 and vouchers were issued based on a ranking system.

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 Voucher Incentives (November 16 th 2020– April 30 th 2021)					
Organization	Application	ns Received	Vouche	ers Issued	\$ Expended to
Туре	Number	Amount	Number	Amount	Date
Business	13	\$58,483	11	\$50,177	\$43,362
Nonprofit	9	\$21,960	9	\$21,071	\$14,386
Public Agency	6	\$27,625	6	\$27,559	\$26,117
School	2	\$1,193	2	\$1,193	\$616
Total	30	\$109,261	28	\$100,000	\$84,481
		•		Program Budget	\$100,000
			P	Program Balance	\$15,519



ATTACHMENT D

Grant Agreement Approval Forms for the Period of March 1, 2021 – April 30, 2021

May 20, 2021

Santa Barbara County Air Pollution Control District Board of Directors

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

То:	Air Pollution Control Officer
Staff Contact:	Mike McKay
Date:	03/02/2021
Grant Program:	Community Air Protection – Year 3 funds
Category:	Off-Road

GRANT INFORMATION

Grantee:	Bedford Enterprises (AP202109)
Project Location:	Santa Maria Valley
Grant Agreement Amount:	\$150,000
Old Equipment:	1987 Caterpillar Material Handler 195hp (Tier 0)
New Equipment:	2020 Liebherr Material Handler 235hp (Tier 4F)
Grant Cost-Effectiveness:	\$10,063
Cost-Effectiveness Limit:	\$30,000
Project Life:	3 Years
Project Lifetime Emission Reductions:	15.225 tons (5.075 tons/yr)

FUND INFORMATION

Community Air Protection – Year 3 Budget:	\$833,979.30
Encumbered Grant Agreements:	\$250,000 (Including current grant)
Community Air Protection – Year 3 Balance:	\$583,979.30

Approved: _	Mundat	Date: ^{3 March 2021}
	Air Pollution Control Officer	

To:	Air Pollution Control Officer
Staff Contact:	Mike McKay
Date:	03/05/2021
Grant Program:	Community Air Protection – Year 3 funds
Category:	Off-Road

GRANT INFORMATION

Grantee:	J&G Berry Farms (AP202110)
Project Location:	Santa Maria Valley
Grant Agreement Amount:	\$115,000
Old Equipment:	2010 Challenger Agricultural Tractor 330hp (Tier 3)
New Equipment:	2020 Case Agricultural Tractor 470hp (Tier 4F)
Grant Cost-Effectiveness:	\$29,705
Cost-Effectiveness Limit:	\$30,000
Project Life:	3 Years
Project Lifetime Emission Reductions:	3.966 tons (1.322 tons/yr)

FUND INFORMATION

Community Air Protection – Year 3 Budget:	\$833,979.30
Encumbered Grant Agreements:	\$365,000 (Including current grant)
Community Air Protection – Year 3 Balance:	\$468,979.30

Date: _____ Mar 7, 2021 **Approved:** Air Pollution Control Officer

To:	Air Pollution Control Officer
Staff Contact:	Mike McKay
Date:	04/08/2021
Grant Program:	Carl Moyer - Year 22 & Year 21 funds
Category:	Off-Road

GRANT INFORMATION

Grantee:	JMC Farming (AP202111)
Project Location:	Santa Maria Valley
Grant Agreement Amount:	\$53,151.50
Old Equipment:	1997 John Deere Agricultural Tractor 94hp (Tier 0)
New Equipment:	2019 John Deere Agricultural Tractor 110hp (Tier 4F)
Grant Cost-Effectiveness:	\$8,957
Cost-Effectiveness Limit:	\$30,000
Project Life:	3 Years
Project Lifetime Emission Reductions:	6.042 tons (2.014 tons/yr)

FUND INFORMATION

Carl Moyer - Year 22 Budget: Encumbered Grant Agreements: Carl Moyer - Year 22 Balance:

Carl Moyer - Year 21 Budget: Encumbered Grant Agreements: Carl Moyer - Year 21 Balance: \$651,215 \$352,658 (Including current grant) \$298,557 \$7,041.10

\$7,041.10 (Including current grant) \$0

Approved:

14 April 2021

Air Pollution Control Officer

To:	Air Pollution Control Officer
Staff Contact:	Mike McKay
Date:	03/05/2021
Grant Program:	Carl Moyer - Year 22 funds
Category:	Off-Road

GRANT INFORMATION

Grantee:	Guillen Berry Farms (AP202112)
Project Location:	Santa Maria Valley
Grant Agreement Amount:	\$40,000
Old Equipment:	1996 John Deere Agricultural Tractor 83hp (Tier 0)
New Equipment:	2020 Kubota Agricultural Tractor 104hp (Tier 4F)
Grant Cost-Effectiveness:	\$5,787
Cost-Effectiveness Limit:	\$30,000
Project Life:	3 Years
Project Lifetime Emission Reductions:	7.023 tons (2.341 tons/yr)

FUND INFORMATION

Carl Moyer - Year 22 Budget:	\$651,215
Encumbered Grant Agreements:	\$135,000 (Including current grant)
Carl Moyer - Year 22 Balance:	\$516,215

Approved: Mundagt	_{Date:} Mar 7, 2021
Air Pollution Control Officer	

To:	Air Pollution Control Officer
Staff Contact:	Mike McKay
Date:	03/09/2021
Grant Program:	Community Air Protection – Year 3 funds
Category:	Off-Road

GRANT INFORMATION

Grantee:	Coastal Valley Farms (AP202114)	
Project Location:	Santa Maria Valley	
Grant Agreement Amount:	\$60,000	
Old Equipment:	2001 John Deere Agricultural Tractor 99hp (Tier 1)	
New Equipment:	2020 John Deere Agricultural Tractor 120hp (Tier 4F)	
Grant Cost-Effectiveness:	\$9,668	
Cost-Effectiveness Limit:	\$30,000	
Project Life:	3 Years	
Project Lifetime Emission Reductions:	6.303 tons (2.101 tons/yr)	

FUND INFORMATION

Community Air Protection – Year 3 Budget:	\$833,979.30
Encumbered Grant Agreements:	\$425,000 (Including current grant)
Community Air Protection – Year 3 Balance:	\$408,979.30

Air Pollution Control Officer
Alex Economou
04/13/2021
AB 923 - \$2 DMV funds
Infrastructure

GRANT INFORMATION

Grantee:	City of Goleta (AP202115)
Project Location:	Goleta
Grant Agreement Amount:	\$61,333
New Equipment:	One (1) off-grid, solar-powered dual port Level 2 electric vehicle charging station
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

AB 923 - \$2 DMV Budget:	\$1,000,000
Encumbered Grant Agreements:	\$641,297 (Including current grant)
AB 923 - \$2 DMV Balance:	\$358,703

Approved:	Date: 13 April 2021	
	Air Pollution Control Officer	

То:	Air Pollution Control Officer
Staff Contact:	Mike McKay
Date:	04/15/2021
Grant Program:	Carl Moyer - Year 22 funds
Category:	Off-Road

GRANT INFORMATION

Grantee:	DeBernardi Brothers (AP202116)
Project Location:	Santa Maria Valley
Grant Agreement Amount:	\$47,921
Old Equipment:	1999 John Deere Agricultural Tractor 99hp (Tier 1)
New Equipment:	2021 John Deere Agricultural Tractor 100hp (Tier 4F)
Grant Cost-Effectiveness:	\$7,863
Cost-Effectiveness Limit:	\$30,000
Project Life:	3 Years
Project Lifetime Emission Reductions:	6.213 tons (2.071 tons/yr)

FUND INFORMATION

Carl Moyer - Year 22 Budget:	\$651,215
Encumbered Grant Agreements:	\$400,579 (Including current grant)
Carl Moyer - Year 22 Balance:	\$250,636

Approved: Mundat	Date:19 April 2021
Air Pollution Control Officer	
Air Pollution Control Officer	

То:	Air Pollution Control Officer	
Staff Contact:	Alex Economou	
Date:	03/22/2021	
Grant Program:	Carl Moyer – Year 22 funds	
Category:	Infrastructure	
	GRANT INFORMATION	
Grantee:	Toyota of Santa Maria (AP202117)	
Project Location:	Santa Maria	
Grant Agreement Amount: \$86,000		
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Grantee:	Toyota of Santa Maria (AP202117)
Project Location:	Santa Maria
Grant Agreement Amount:	\$86,000
New Equipment:	Seven (7) dual port Level 2 electric vehicle charging stations, Two (2) single 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

Carl Moyer – Year 22 Budget:	\$651,215
Encumbered Grant Agreements:	\$276,000 (Including current grant)
Carl Moyer – Year 22 Balance:	\$375,215

Date:_____ Approved: _____ **Air Pollution Control Officer**

То:	Air Pollution Control Officer
Staff Contact:	Mike McKay
Date:	03/04/2021
Grant Program:	Carl Moyer - Year 22 funds
Category:	Off-Road

GRANT INFORMATION

Grantee:	DG Farming & Equipment (AP202118)
Project Location:	Santa Maria Valley
Grant Agreement Amount:	\$95,000
Old Equipment:	2005 John Deere Agricultural Tractor 300hp (Tier 1)
New Equipment:	2020 John Deere Agricultural Tractor 370hp (Tier 4F)
Grant Cost-Effectiveness:	\$28,595
Cost-Effectiveness Limit:	\$30,000
Project Life:	3 Years
Project Lifetime Emission Reductions:	3.387 tons (1.129 tons/yr)

FUND INFORMATION

Carl Moyer - Year 22 Budget:	\$651,215
Encumbered Grant Agreements:	\$95,000 (Including current grant)
Carl Moyer - Year 22 Balance:	\$556,215

Approved: <u>Mudagh</u> Air Pollution Control Officer	_{Date:} Mar 4, 2021

То:	Air Pollution Control Officer
Staff Contact:	Alex Economou
Date:	03/30/2021
Grant Program:	Carl Moyer – Year 22 funds
Category:	Infrastructure

GRANT INFORMATION

Grantee:	H&R Investments, LP (AP202119)
Project Location:	Montecito
Grant Agreement Amount:	\$20,467.60
New Equipment:	Three (3) 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

Carl Moyer – Year 22 Budget:	\$651,215
Encumbered Grant Agreements:	\$296,467.60 (Including current grant)
Carl Moyer – Year 22 Balance:	\$354,747.40

Approved: Mun AGA	30 March 2021 Date:
Air Pollution Control Officer	

То:	Air Pollution Control Officer
Staff Contact:	Alex Economou
Date:	03/23/2021
Grant Program:	Community Air Protection – Year 3 funds
Category:	Infrastructure

GRANT INFORMATION

Grantee:	City of Solvang (AP202121)
Project Location:	Solvang
Grant Agreement Amount:	\$150,000
New Equipment:	Three (3) Level 3 electric vehicle charging stations, Four (4) dual port Level 2 electric vehicle charging stations, One (1) single port Level 2 electric vehicle charging station
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 – Year 3 Budget:	\$833,979.30
Encumbered Grant Agreements:	\$620,000 (Including current grant)
Community Air Protection – Year 3 Balance:	\$213,979.30

Approved: Mundant	24 March 2021
Air Pollution Control Officer	Date:

To:	Air Pollution Control Officer
Staff Contact:	Mike McKay
Date:	03/25/2021
Grant Program:	FARMER – Year 3 funds
Category:	Off-Road

GRANT INFORMATION

Grantee:	Byrd Harvest (AP202122)
Project Location:	Guadalupe
Grant Agreement Amount:	\$35,000
Old Equipment:	1991 SAME Agricultural Tractor 83hp (Tier 0)
New Equipment:	2018 Massey Ferguson Agricultural Tractor 99hp (Tier 4F)
Grant Cost-Effectiveness:	\$29,308
Cost-Effectiveness Limit:	\$30,000
Project Life:	3 Years
Project Lifetime Emission Reductions:	1.212 (.404 tons/yr)

FUND INFORMATION

FARMER – Year 3 Budget:	\$231,047
Encumbered Grant Agreements:	\$127,716 (Including current grant)
FARMER – Year 3 Balance:	\$103,331

Approved: Mun AGA		25 March 2021 Date:
	Air Pollution Control Officer	

To:	Air Pollution Control Officer
Staff Contact:	Mike McKay
Date:	03/05/2021
Grant Program:	Carl Moyer - Year 22 funds
Category:	Off-Road

GRANT INFORMATION

Grantee:	Red Dog Management (AP202123)	
Project Location:	Santa Maria Valley	
Grant Agreement Amount:	\$55,000	
Old Equipment:	2012 John Deere Agricultural Tractor 360hp (Tier 4I)	
New Equipment:	2020 John Deere Agricultural Tractor 370hp (Tier 4F)	
Grant Cost-Effectiveness:	\$29,383	
Cost-Effectiveness Limit:	\$30,000	
Project Life:	3 Years	
Project Lifetime Emission Reductions:	1.959 tons (0.653 tons/yr)	

FUND INFORMATION

Carl Moyer - Year 22 Budget:	\$651,215
Encumbered Grant Agreements:	\$190,000 (Including current grant)
Carl Moyer - Year 22 Balance:	\$461,215

Approved:	Date: Mar 7, 2021
Air Pollution Control Officer	

To:	Air Pollution Control Officer	
Staff Contact:	Mike McKay	
Date:	03/10/2021	
Grant Program:	Community Air Protection – Year 3 funds	
Category:	Off-Road	

GRANT INFORMATION

Grantee:	Coastal Grower Supply (AP202124)
Project Location:	Santa Maria Valley
Grant Agreement Amount:	\$45,000
Old Equipment:	2003 Landini Agricultural Tractor 89hp (Tier 1)
New Equipment:	2020 John Deere Agricultural Tractor 100hp (Tier 4F)
Grant Cost-Effectiveness:	\$5,992
Cost-Effectiveness Limit:	\$30,000
Project Life:	3 Years
Project Lifetime Emission Reductions:	7.680 tons (2.560 tons/yr)

FUND INFORMATION

Community Air Protection – Year 3 Budget:	\$833,979.30
Encumbered Grant Agreements:	\$470,000 (Including current grant)
Community Air Protection – Year 3 Balance:	\$363,979.30

Approved:	Mundat	Date:12 March 2021
	Air Pollution Control Officer	

То:	Air Pollution Control Officer	
Staff Contact:	Desmond Ho	
Date:	04/14/2021	
Grant Program:	MOYER – Year 22 funds	
Category:	Marine	

GRANT INFORMATION

Grantee:	Castagnola Tug Service (AP202128)
Project Location:	Santa Barbara Harbor
Grant Agreement Amount:	\$10,080
Old Equipment:	1960 Detroit Diesel Marine Engine 58hp (Tier 0)
New Equipment:	2020 John Deere Marine Engine 100hp (Tier 3)
Grant Cost-Effectiveness:	\$30,000
Cost-Effectiveness Limit:	\$30,000
Project Life:	7 Years
Project Lifetime Emission Reductions:	1.176 tons (0.168 tons/yr)

FUND INFORMATION

MOYER – Year 22 Budget:	\$651,215
Encumbered Grant Agreements:	\$352,658 (Including current grant)
MOYER – Year 22 Balance:	\$298,557

Approved:	Date: 14 April 2021
Air Pollution Control Officer	