



Ventura County
Air Pollution
Control District

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Ali Reza Ghasemi, PE
Air Pollution Control Officer

January 9, 2024

Air Pollution Control Board
800 South Victoria Avenue
Ventura, CA 93009

SUBJECT: Authorization to Approve Grant Funding Requests for 32 New Agricultural Air Quality Projects and Two (2) Electric Charging Infrastructure Projects Under the Carl Moyer Memorial Air Quality Standards Attainment Program Totaling \$3,848,889 (Recommendation #36 Requires Six Affirmative Votes)

RECOMMENDED ACTIONS:

1. Approve grant funding up to \$26,491 to assist Jose Luis Morales with the purchase of a new, lower-emission farm tractor.
2. Approve grant funding up to \$99,530 to assist Sam Ag Service with the purchase of three (3) new, lower-emission farm tractors.
3. Approve grant funding up to \$30,223 to assist Arnold Meyerstein with the purchase of a new, lower-emission farm tractor.
4. Approve grant funding up to \$49,975 to assist Santos Palacios with the purchase of a new, lower-emission farm tractor.
5. Approve grant funding up to \$26,702 to assist Kathleen Ferrante with the purchase of a new, lower-emission farm tractor.
6. Approve grant funding up to \$64,988 to assist William and Shelly Morris Trust 2015 with the purchase of a new, lower-emission agricultural loader.
7. Approve grant funding up to \$41,945 to assist Jim Thiessen with the purchase of two (2) new, lower-emission farm tractors.
8. Approve grant funding up to \$28,353 to assist Julie Munro with the purchase of a new, lower-emission farm tractor.

9. Approve grant funding up to \$304,660 to assist Mejia & Sons Nursery with the purchase of two (2) new, lower-emission agricultural loaders and one (1) new, lower-emission agricultural dozer.
10. Approve grant funding up to \$65,597 to assist Estanco Inc., DBA: Corona's Nursery with the purchase of a new, lower-emission agricultural loader.
11. Approve grant funding up to \$29,176 to assist Performance Landscape INC. with the purchase of a new, lower-emission farm tractor.
12. Approve grant funding up to \$32,600 to assist B&A Flowers with the purchase of a new, lower-emission farm tractor.
13. Approve grant funding up to \$32,600 to assist Enrique Rojas with the purchase of a new, lower-emission farm tractor.
14. Approve grant funding up to \$508,838 to assist Ito Brothers Inc. with the purchase of two (2) new, lower-emission farm tractors and one (1) new, lower-emission agricultural grader.
15. Approve grant funding up to \$48,440 to assist Daisy Nevarez with the purchase of a new, lower-emission farm tractor.
16. Approve grant funding up to \$34,717 to assist Alejandro Murillo with the purchase of a new, lower-emission agricultural loader.
17. Approve grant funding up to \$35,420 to assist Berrington Ranch LLC with the purchase of a new, lower-emission farm tractor.
18. Approve grant funding up to \$63,630 to assist Hector A Lopez with the purchase of a new, lower-emission farm tractor.
19. Approve grant funding up to \$80,430 to assist Leon Farming with the purchase of a new, lower-emission farm tractor.
20. Approve grant funding up to \$46,500 to assist Mike's Farm Labor with the purchase of a new, lower-emission farm tractor.
21. Approve grant funding up to \$57,890 to assist R.N.M. Farm LLC with the purchase of a new, lower-emission farm tractor.
22. Approve grant funding up to \$95,338 to assist Zendejas Farms Inc. with the purchase of a new, lower-emission farm tractor.
23. Approve grant funding up to \$142,198 to assist Yao Cheng Farm Inc. with the purchase of two (2) new, lower-emission farm tractors.

24. Approve grant funding up to \$68,538 to assist Sierra Pacific Farms, Inc., DBA Somis Pacific Ag Management with the purchase of a new, lower-emission farm tractor.
25. Approve grant funding up to \$432,996 to assist Nunes Custom Farming with the purchase of a new, lower-emission farm tractor.
26. Approve grant funding up to \$102,108 to assist Camulos Ranch LLC with the purchase of two (2) new, lower-emission farm tractors.
27. Approve grant funding up to \$63,761 to assist Alice E Lee with the purchase of a new, lower-emission farm tractor.
28. Approve grant funding up to \$78,000 to assist Monarca Berries Inc. with the purchase of one (1) new, lower-emission farm tractor and one (1) new, lower-emission agricultural loader.
29. Approve grant funding up to \$55,574 to assist Boething Treeland Farms, Inc. with the purchase of two (2) new, lower-emission farm tractors.
30. Approve grant funding up to \$117,600 to assist Holladay Organics, Inc. with the purchase of a new, lower-emission agricultural loader.
31. Approve grant funding up to \$73,500 to assist Pinnacle Farm Labor Inc with the purchase of a new, lower-emission agricultural forklift.
32. Approve grant funding up to \$295,290 to assist Brokaw Nursery Inc. with the purchase of two (2) new, zero-emission agricultural pumps.
33. Approve grant funding up to \$8,134 to assist Penny Mac, LLC with the purchase of a new, electric charging station.
34. Approve grant funding up to \$607,147 to assist Penske Truck Leasing Co., LP with the purchase of six (6) new, electric charging stations.
35. Direct the Air Pollution Control Officer (APCO) to prepare a grant agreement for each approved air quality project utilizing the standard Carl Moyer Program grant agreement and authorize the APCO to sign the grant agreements on behalf of the Air Pollution Control District (District) and make any necessary minor administrative changes to the grant agreements subject to County Counsel review and approval.
36. Authorize the Auditor-Controller's Office to process the following accounting transaction in Special Revenue Fund O701-APCD Grants for FY 2023-2024 (six affirmative votes required):

Increase Services and Supplies	\$3,848,889
Increase Intergovernmental Revenue	\$3,848,889

FISCAL/MANDATES IMPACT:

Mandatory: No

Sources of Funding:

California Air Resources Board (CARB) Grant Award, Year 25	\$2,209,830.00
Health & Safety Code § 44229 Funds [\$2 DMV fee]	\$1,430,621.72
CARB Carl Moyer Year 24 Grant Award (carryover)	\$9,511.00
CARB Grant Award State Reserve Year 23 Infrastructure	\$128,923.00
Eclipse Berry Farms Bankruptcy Distribution January 13, 2022	\$10,982.21
Interest Earned on Carl Moyer Program Funds	\$59,021.07

Funding Match Required: Yes.

CARB requires total local matching funds of \$468,071 for the Carl Moyer Program Year 25 Grant Award of \$3,120,475.

Source of Match Funding:

Health & Safety Code § 44229 Funds [\$2 DMV fee]

District staff requests your Board's approval and modification of the District's expense and revenue appropriations for the above-recommended projects.

STATEMENT OF MATTER FOR BOARD CONSIDERATION:

Background

The Carl Moyer Memorial Air Quality Standards Attainment Program (Carl Moyer Program, Health & Safety Code §44275 et seq.)¹ provides monetary incentives through local air pollution control districts to replace older, heavy-duty diesel equipment with newer, lower-emission equipment. Permanent destruction of the older, high-emissions equipment is required as part of the program.

Senate Bill 513 (SB 513, Beall, 2015) provided new opportunities to update the Carl Moyer Program. In response to SB 513, CARB updated the Carl Moyer Program Guidelines in 2017 to adjust the cost-effectiveness limits, increase opportunities for co-funding with other incentives, and allow infrastructure projects. Infrastructure projects must be used to fuel or power covered sources as defined by Health and Safety Code section 44275(a)(7) including, but not limited to, on-road, off-road, agricultural and marine vessel emission sources. Infrastructure projects do not require destruction of older, higher-polluting equipment and are not required to meet a cost-effectiveness threshold.

¹ The program is named after the late Dr. Carl Moyer in recognition of his work in the air quality field and his efforts in establishing the program.

In April 2023, the District advertised the availability of Carl Moyer grant funds by posting the announcement on its website, by emailing the announcement to interested parties and organizations, and by contacting local equipment dealers and installers who spread the word to their customers and potential grant applicants. The deadline for submitting applications was June 23, 2023. The District received applications for grant funding to replace 181 pieces of diesel agricultural equipment and install 11 charging stations. District staff evaluated the eligibility of each Carl Moyer grant application and related piece of equipment, as well as the costs and benefits of the newer and cleaner equipment. Staff then ranked each eligible piece of equipment against the others in terms of dollars per ton of air pollutants reduced. The most cost-effective projects are proposed for funding.

This year marks the twenty-fifth year the District has administered a local Carl Moyer grant program. The grants previously approved by your Board and the instant proposed grants are summarized in the table below.

Calendar Year	Authorized Funding	Commercial Fishing Boats		Ag Pumps	On-Road	Non-Farm Off-Road	Mobile Ag Equip.	Total Engines	Infra-structure	Grant Contracts
		Boats	Engines							
1999	\$1,074,122	9	18	4	14	0	0	36	0	10
2000	\$919,925	4	12	0	7	0	0	19	0	8
2001	\$1,272,534	12	22	4	16	0	0	42	0	18
2002	\$530,321	10	12	6	4	0	0	22	0	15
2003	\$1,018,912	8	15	8	4	2	0	29	0	16
2004	\$976,049	6	15	4	0	2	0	21	0	9
2005	\$949,298	7	15	0	6	0	0	21	0	9
2006	\$2,986,456	12	18	8	10	23	0	59	0	24
2007	\$3,122,603	8	19	121	0	9	0	149	0	44
2008	\$1,546,024	10	12	11	5	3	2	33	0	22
2009	\$2,395,163	12	19	7	0	4	16	46	0	28
2010	\$2,179,106	1	2	30	0	2	59	93	0	38
2011	\$2,790,642	0	0	5	0	0	88	93	0	37
2012	\$3,075,744	1	2	1	0	0	73	76	0	39
2013	\$3,075,451	3	8	18	0	0	63	89	0	47
2014	\$2,773,279	5	7	45	0	0	26	78	0	45
2015	\$2,778,060	2	3	13	0	0	54	70	0	38
2016	\$3,932,419	2	6	4	0	0	70	80	0	45
2017	\$2,576,268	2	3	0	0	0	38	41	0	28
2018	\$2,587,138	5	11	0	0	1	23	35	0	19
2019	\$2,450,024	2	6	3	0	0	25	34	2	23
2020	\$3,728,872	3	6	0	0	0	57	63	2	37
2021	\$552,115	3	6	0	0	0	0	6	0	3
2022	\$3,846,615	6	6	0	0	1	50	57	0	39
2023	\$4,917,894	5	11	0	0	0	69	80	1	49
2024 Proposed	\$3,848,889	0	0	2	0	0	42	44	2	34
Totals	\$61,903,923	138	254	294	66	47	755	1416	7	724

Current Proposal

Based on District staff analysis of all Carl Moyer Program agricultural replacement and infrastructure applications and corresponding equipment, we recommend your Board approve a total of \$3,848,889 in funding to support the 32 agricultural replacement and two (2) infrastructure projects described in Attachment 1 and as set forth in Recommended Actions 1 through 34 above. The total cost of the funded projects, including each applicant's cost share, is \$6,249,601.

The proposed projects result in a total projected emission reduction of 22.9 tons per year of ozone precursors, 1.7 tons per year of diesel particulate matter, and 309 metric tonnes of carbon dioxide (a greenhouse gas) per year.

Staff will administer the grant agreements and ensure contract requirements are met before making grant payments. The APCO requests authorization to make any necessary minor administrative changes to the grant agreements subject to County Counsel review and approval.

The Auditor-Controller's office and County Counsel have reviewed this letter. If you have any questions, please contact Tyler Harris (Program Administrator) at (805) 303-3661 or Nancy Mendoza (Fiscal) at (805) 303-4013.



ALI R. GHASEMI, P.E.
Air Pollution Control Officer

Attachment:
Carl Moyer Program Recommendations for Funding, January 9, 2024

Carl Moyer Program Recommendations for Funding
January 9, 2024

App No	Applicant	Type	Equipment Cost (excluding sales tax)	Proposed Grant	Ranking Cost Effectiveness (\$ per wighted ton)	NOx Emission Reduction TPY	ROG Emission Reduction TPY	PM Emission Reduction TPY	CO2 Emssion Reduction Metric TPY
25-030	Alejandro Murillo	Agricultural Loader	\$49,596	\$34,717	\$7,715	0.051	0.065	0.019	1.0
25-053	Alice E Lee	Farm Tractor	\$91,088	\$63,761	\$3,064	0.603	0.093	0.077	14.2
25-003	Arnold Meyerstein	Farm Tractor	\$43,176	\$30,223	\$1,692	0.899	0.091	0.05	1.0
25-019	B&A Flowers	Farm Tractor	\$48,000	\$32,600	\$6,590	0.118	0.104	0.027	1.5
25-031	Berrington Ranch LLC	Farm Tractor	\$50,600	\$35,420	\$3,037	0.416	0.063	0.038	3.3
25-061	Boething Treeland Farms, Inc.	Farm Tractor	\$25,989	\$15,593	\$4,205	0.05	0.05	0.015	0.5
25-061	Boething Treeland Farms, Inc.	Farm Tractor	\$66,635	\$39,981	\$6,619	0.074	0.083	0.024	1.5
25-073	Brokaw Nursery Inc.	Agricultural Pump Repower to ZE	\$164,700	\$115,290	\$9,045.41	0.42	0.08	0.051	16.8
25-073	Brokaw Nursery Inc.	Agricultural Pump Repower to ZE	\$372,300	\$180,000	\$1,191.46	0.231	0.139	0.01	27.1
25-049	Camulos Ranch LLC	Farm Tractor	\$91,390	\$59,403	\$2,330	0.73	0.09	0.067	17.0
25-049	Camulos Ranch LLC	Farm Tractor	\$65,700	\$42,705	\$3,199	0.753	0.093	0.056	12.3
25-029	Daisy Nevarez	Agricultural Loader	\$69,200	\$48,440	\$8,979	0.271	0.041	0.025	1.7
25-020	Enrique Rojas	Farm Tractor	\$50,000	\$32,600	\$8,636	0.085	0.08	0.021	1.0
25-012	Estanco Inc. DBA: Corona's Nursery	Agricultural Loader	\$104,441	\$65,597	\$6,526	0.422	0.055	0.036	3.1
25-034	Hector A Lopez	Farm Tractor	\$90,900	\$63,630	\$6,304	0.367	0.047	0.033	3.7
25-066	Holladay Organics, Inc.	Agricultural Loader	\$147,000	\$117,600	\$6,433	0.943	0.136	0.082	17.3
25-028	Ito Brothers Inc.	Farm Tractor	\$85,957	\$60,169	\$6,473	0.391	0.064	0.05	5.4
25-028	Ito Brothers Inc.	Farm Tractor	\$85,957	\$60,169	\$8,199	0.309	0.051	0.039	3.3
25-028	Ito Brothers Inc.	Agricultural Grader	\$555,000	\$388,500	\$11,250	1.643	0.14	0.094	44.8
25-008	Jim Thiessen	Farm Tractor	\$32,882	\$16,441	\$4,991	0.143	0.022	0.016	0.4
25-008	Jim Thiessen	Farm Tractor	\$51,009	\$25,504	\$7,309	0.125	0.021	0.015	0.6
25-001	Jose Luis Morales	Farm Tractor	\$37,845	\$26,491	\$5,102	0.072	0.069	0.018	0.7
25-009	Julie Munro	Farm Tractor	\$42,322	\$28,353	\$2,899	0.158	0.148	0.039	3.4
25-006	Kathleen Ferrante	Farm Tractor	\$53,404	\$26,702	\$4,853	0.072	0.075	0.022	1.2
25-035	Leon Farming	Farm Tractor	\$114,900	\$80,430	\$7,462	0.387	0.05	0.035	3.8
25-011	Mejia & Sons Nursery	Agricultural Loader	\$109,900	\$76,930	\$3,367	1.388	0.162	0.093	8.8
25-011	Mejia & Sons Nursery	Agricultural Dozer	\$247,116	\$172,981	\$3,700	2.318	0.225	0.121	22.2
25-011	Mejia & Sons Nursery	Agricultural Loader	\$80,131	\$54,749	\$6,861	0.237	0.052	0.042	3.0
25-038	Mike's Farm Labor	Farm Tractor	\$125,100	\$46,500	\$9,540	0.425	0.046	0.03	4.9
25-056	Monarca Berries Inc.	Farm Tractor	\$46,000	\$36,800	\$4,468	0.293	0.045	0.027	1.7
25-056	Monarca Berries Inc.	Agricultural Loader	\$68,000	\$41,200	\$11,894	0.044	0.069	0.019	1.1
25-048	Nunes Custom Farming	Farm Tractor	\$666,149	\$432,996	\$4,190	0.175	0.078	0.007	17.1
25-080	Penny Mac, LLC	EV Infrastructure	\$16,286	\$8,134					0.0
25-081	Penske Truck Leasing Co., LP	EV Infrastructure	\$1,214,314	\$607,147					0.0
25-017	Performance Landscape, INC.	Farm Tractor	\$42,400	\$29,176	\$8,039	0.074	0.062	0.016	0.5
25-070	Pinnacle Farm Labor Inc	Agricultural Forklift	\$105,000	\$73,500	\$6,164	0.191	0.034	0.027	2.2
25-039	R.N.M. Farm LLC	Farm Tractor	\$82,700	\$57,890	\$5,511	0.476	0.062	0.035	3.0

Carl Moyer Program Recommendations for Funding
January 9, 2024

App No	Applicant	Type	Equipment Cost (excluding sales tax)	Proposed Grant	Ranking Cost Effectiveness (\$ per wieghted ton)	NOx Emission Reduction TPY	ROG Emission Reduction TPY	PM Emission Reduction TPY	CO2 Emssion Reduction Metric TPY
25-002	Sam Ag Service	Farm Tractor	\$50,731	\$33,283	\$2,731	0.457	0.069	0.043	4.5
25-002	Sam Ag Service	Farm Tractor	\$42,398	\$28,660	\$2,942	0.124	0.115	0.03	2.0
25-002	Sam Ag Service	Farm Tractor	\$55,226	\$37,587	\$2,978	0.474	0.072	0.044	4.5
25-004	Santos Palacios	Farm Tractor	\$71,394	\$49,975	\$2,868	0.708	0.091	0.052	6.6
25-047	Sierra Pacific Farms, Inc. DBA Somis Pacific Ag Management	Farm Tractor	\$114,230	\$68,538	\$7,080	0.497	0.03	0.025	10.0
25-007	William and Shelly Morris Trust 2015	Agricultural Loader	\$92,841	\$64,988	\$8,791	0.268	0.04	0.024	1.2
25-046	Yao Cheng Farm Inc.	Farm Tractor	\$111,898	\$67,138	\$4,275	0.642	0.067	0.045	11.4
25-046	Yao Cheng Farm Inc.	Farm Tractor	\$158,898	\$75,060	\$6,241	0.551	0.05	0.029	6.3
25-041	Zendejas Farms Inc.	Farm Tractor	\$158,898	\$95,338	\$9,101	0.537	0.034	0.027	11.2
TPY = tons per year		Totals	\$6,249,601.00	\$3,848,889.00		19.61	3.35	1.70	309.0