



March 8, 2022

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

SUBJECT: Authorization to Approve 32 Grant Funding Requests for New Agricultural Air Quality Projects Under the Carl Moyer Memorial Air Quality Standards Attainment Program Totaling \$2,827,886 (Recommendation #34 Requires Six Affirmative Votes)

RECOMMENDED ACTIONS:

1. Approve grant funding up to \$41,930 to assist Amado Cuecuecha Hernandez with the purchase of a new, lower-emission farm tractor.
2. Approve grant funding up to \$51,308 to assist Andre Olivares with the purchase of a new, lower-emission farm tractor.
3. Approve grant funding up to \$24,342 to assist Angel Barranco with the purchase of a new, lower-emission farm tractor.
4. Approve grant funding up to \$210,720 to assist AV Fenix LLC with the purchase of a new, lower-emission agricultural motor grader.
5. Approve grant funding up to \$93,632 to assist Boething Treeland Farms, Inc. with the purchase of two (2) new, lower-emission agricultural loaders and two (2) new, lower-emission farm tractors.
6. Approve grant funding up to \$24,264 to assist Buon Gusto LLC with the purchase of a new, lower-emission farm tractor.
7. Approve grant funding up to \$45,350 to assist C&E Farms, Inc. with the purchase of a new, lower-emission agricultural forklift.
8. Approve grant funding up to \$48,235 to assist Dirt Works Engineering, Inc. with the purchase of a new, lower-emission agricultural loader.
9. Approve grant funding up to \$40,603 to assist Don Tschiahart with the purchase of a new, lower-emission farm tractor.

10. Approve grant funding up to \$51,083 to assist Edward M. Hacobian with the purchase of a new, lower-emission agricultural loader.
11. Approve grant funding up to \$113,792 to assist Georgina Alejandra Jimenez with the purchase of two (2) new, lower-emission farm tractors.
12. Approve grant funding up to \$44,450 to assist Hansen Pest Control Inc. with the purchase of a new, lower-emission farm tractor.
13. Approve grant funding up to \$66,379 to assist JM Gonzales Farms with the purchase of two (2) new, lower-emission farm tractors.
14. Approve grant funding up to \$49,906 to assist Jose R. Osario Palacios with the purchase of a new, lower-emission farm tractor.
15. Approve grant funding up to \$46,200 to assist K&C Specialties, Inc. with the purchase of a new, lower-emission agricultural loader.
16. Approve grant funding up to \$55,315 to assist Kirpal S. Dhaliwal with the purchase of a new, lower-emission agricultural loader.
17. Approve grant funding up to \$22,395 to assist Lorenzo Casares Sosa with the purchase of a new, lower-emission farm tractor.
18. Approve grant funding up to \$179,880 to assist M. Nishimori Farms Inc. with the purchase of a new, lower-emission farm tractor.
19. Approve grant funding up to \$127,322 to assist Pacific Country Labor, Inc. with the purchase of two (2) new, lower-emission agricultural forklifts.
20. Approve grant funding up to \$46,438 to assist Pedro Casillas with the purchase of a new, lower-emission farm tractor.
21. Approve grant funding up to \$55,575 to assist Pinnacle Farm Labor Inc. with the purchase of a new, lower-emission agricultural forklift.
22. Approve grant funding up to \$35,127 to assist Prancers Farm Inc. with the purchase of a new, lower-emission farm tractor.
23. Approve grant funding up to \$262,336 to assist Rancho Harvest, Inc. with the purchase of four (4) new, lower-emission farm tractors.
24. Approve grant funding up to \$17,609 to assist Rex D. Bartle with the purchase of a new, lower-emission farm tractor.

25. Approve grant funding up to \$365,787 to assist Rio Farms, LLC with the purchase of two (2) new, lower-emission farm tractors.
26. Approve grant funding up to \$195,002 to assist Sam Ag Service Inc. with the purchase of three (3) new, lower-emission agricultural forklifts.
27. Approve grant funding up to \$114,683 to assist Sow A Heart Farm LLC with the purchase of a new, lower-emission agricultural loader and a new, lower-emission farm tractor.
28. Approve grant funding up to \$142,873 to assist Sunset Valley Ranch with the purchase of two (2) new, lower-emission agricultural loaders and two (2) new, lower-emission farm tractors.
29. Approve grant funding up to \$49,602 to assist Sunshine Citrus Farms LLC with the purchase of a new, lower-emission farm tractor.
30. Approve grant funding up to \$57,213 to assist Tilley HVR, LLC with the purchase of two (2) new, lower-emission farm tractors.
31. Approve grant funding up to \$83,183 to assist William A. Miller with the purchase of a new, lower-emission agricultural loader.
32. Approve grant funding up to \$65,352 to assist Willow Creek Ranch Enterprises LLC with the purchase of a new, lower-emission agricultural loader and a new, lower-emission farm tractor.
33. 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.
34. Authorize the Auditor-Controller's Office to process the following accounting transactions in Special Revenue Fund O701-APCD Grants for FY 2021-2022 (**six affirmative votes required**):

Increase Services and Supplies	\$2,827,886
Increase Intergovernmental Revenue	\$2,827,886

FISCAL/MANDATES IMPACT:

Mandatory: No

Sources of Funding:

California Air Resources Board (CARB) Grant Award, Year 23	\$1,432,583.00
Health & Safety Code § 44229 Funds [\$2 DMV fee]	\$1,306,165.76
CARB Carl Moyer Year 22 Grant Award (declined grant funds)	\$84,000.00
Interest Earned on Carl Moyer Program Funds	\$5,137.24

Funding Match Required: Yes.

CARB requires total local matching funds of \$328,719 for the Carl Moyer Program Year 23 Grant Award of \$2,191,460.

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.

In March 2021, 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 11, 2021. The District received applications for grant funding to replace 146 pieces of diesel agricultural equipment, eight pieces of diesel off-road equipment (non-agricultural), sixteen diesel school buses, and repower five commercial marine vessels. The total grant funding requested by applicants from qualified projects was \$16,195,444.

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 agricultural equipment applications are proposed for funding.

This year marks the twenty-third 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. The proposed grants only include agricultural equipment replacement projects. Your Board approved the marine repower projects chosen for Year 23 in October 2021.

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*	\$62,792	0	0	3	0	0	0	3	0	2
2019	\$2,387,232	2	6	0	0	0	25	31	2	21
2020	\$3,728,872	3	6	0	0	0	57	63	2	37
2021 Marine	\$552,115	3	6	0	0	0	0	6	0	3
2022 Ag†	\$2,827,886	0	0	0	0	0	50	50	0	32
Totals	\$52,118,411	127	237	292	66	46	644	1285	4	634

* Agricultural Assistance Program projects approved by your Board on September 10, 2019.

† This proposal includes agricultural equipment replacement projects only. These projects account for all remaining Carl Moyer Program Year 23 grant and match funds.

Current Proposal

Based on District staff analysis of all Carl Moyer Program agricultural equipment replacement applications and corresponding equipment, we recommend your Board approve a total of \$2,827,886 in funding for the 50 engines in 32 agricultural equipment replacement projects described in Attachment 1 and as set forth in Recommended Actions 1 through 32 above. The cost-effectiveness of the individual equipment replacement projects ranges from \$1,517.45 to \$12,478.35 per weighted ton of emission reductions calculated as described in the 2017 Carl Moyer Program Guidelines. The proposed projects result in a total projected emission reduction of 23.5 tons per year of ozone precursors, 1.97 tons per year of diesel particulate matter, and 214 metric tonnes of carbon dioxide (a greenhouse gas) per year. The total cost of all projects in this proposal, including cost share by the applicants, will be \$4,923,331.94 if approved by your Board as proposed.

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) 207-3102 or Nancy Mendoza (Fiscal) at (805) 303-4013.



DR. LAKI TISOPULOS, P.E.
Air Pollution Control Officer

Attachment:

Carl Moyer Program Recommendations for Funding, March 8, 2022.

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.

Carl Moyer Program Recommendations for Funding
March 8, 2022

App No	Applicant	Type	Equipment Cost (excluding sales tax)	Proposed Grant	Ranking Cost Effectiveness (\$ per wiegthed ton)	NOx Emission Reduction TPY	ROG Emission Reduction TPY	PM Emission Reduction TPY	CO2 Emssion Reduction Metric TPY
23-028	Amado Cuecuecha Hernandez	Farm Tractor	\$63,200.00	\$41,930	\$4,730.98	0.454	0.068	0.04	1.7
23-030	Andre Olivares	Farm Tractor	\$78,936.00	\$51,308	\$3,038.12	0.964	0.124	0.071	3.4
23-038	Angel Barranco	Farm Tractor	\$36,775.00	\$24,342	\$2,390.04	0.368	0.053	0.033	1.4
23-002	AV Fenix LLC	Agricultural Grader	\$301,029.00	\$210,720	\$11,879.62	0.72	0.092	0.053	2.8
23-009	Boething Treeland Farms, Inc.	Farm Tractor	\$21,413.00	\$12,847	\$2,292.29	0.081	0.08	0.022	1.3
23-009	Boething Treeland Farms, Inc.	Farm Tractor	\$21,413.00	\$12,847	\$5,124.34	0.047	0.011	0.01	1.1
23-009	Boething Treeland Farms, Inc.	Agricultural Loader	\$84,973.00	\$33,969	\$6,808.17	0.147	0.124	0.033	1.6
23-009	Boething Treeland Farms, Inc.	Agricultural Loader	\$84,973.00	\$33,969	\$8,939.17	0.11	0.095	0.025	1.2
23-005	Buon Gusto LLC	Farm Tractor	\$48,528.00	\$24,264	\$10,823.28	0.039	0.01	0.009	1.1
23-054	C&E Farms, Inc.	Agricultural Forklift	\$90,700.00	\$45,350	\$4,778.72	0.267	0.044	0.035	2.2
23-037	Dirt Works Engineering, Inc.	Agricultural Loader	\$68,908.00	\$48,235	\$7,459.85	0.259	0.044	0.033	2.0
23-057	Don Tschiahart	Farm Tractor	\$67,673.00	\$40,603	\$3,019.51	0.47	0.07	0.044	2.4
23-034	Edward M. Hacobian	Agricultural Loader	\$72,976.14	\$51,083	\$6,881.17	0.376	0.057	0.034	1.6
23-011	Georgina Alejandra Jimenez	Farm Tractor	\$82,879.00	\$58,015	\$3,728.46	0.632	0.081	0.047	2.6
23-011	Georgina Alejandra Jimenez	Farm Tractor	\$79,682.00	\$55,777	\$4,082.16	0.492	0.064	0.045	2.6
23-066	Hansen Pest Control Inc.	Farm Tractor	\$63,500.00	\$44,450	\$2,774.07	0.458	0.074	0.058	3.4
23-027	JM Gonzalez Farms	Farm Tractor	\$30,283.00	\$20,148	\$5,221.46	0.093	0.077	0.02	0.9
23-027	JM Gonzalez Farms	Farm Tractor	\$66,045.00	\$46,231	\$7,867.08	0.298	0.039	0.027	1.5
23-036	Jose R Osorio Palacios	Farm Tractor	\$71,295.00	\$49,906	\$7,619.69	0.236	0.031	0.021	1.3
23-022	K&C Specialities, Inc.	Agricultural Loader	\$66,000.00	\$46,200	\$6,766.25	0.213	0.047	0.038	1.7
23-017	Kirpal S. Dhaliwal	Agricultural Loader	\$80,385.00	\$55,315	\$6,430.00	0.323	0.048	0.029	1.3
23-032	Lorenzo Casares Sosa	Farm Tractor	\$31,993.00	\$22,395	\$12,478.35	0.04	0.036	0.01	0.5
23-064	M. Nishimori Farms Inc.	Farm Tractor	\$449,700.00	\$179,880	\$8,335.11	1.047	0.113	0.056	17.7
23-013	Pacific Country Labor, Inc.	Agricultural Forklift	\$93,495.00	\$65,446	\$8,050.73	0.287	0.044	0.027	1.4
23-013	Pacific Country Labor, Inc.	Agricultural Forklift	\$88,395.00	\$61,876	\$8,956.88	0.235	0.037	0.023	1.5
23-025	Pedro Casillas	Farm Tractor	\$66,340.00	\$46,438	\$8,582.02	0.115	0.101	0.03	2.1
23-067	Pinnacle Farm Labor Inc.	Agricultural Forklift	\$85,500.00	\$55,575	\$9,797.58	0.099	0.027	0.024	1.7
23-061	Prancers Farm Inc.	Farm Tractor	\$58,545.00	\$35,127	\$1,517.45	0.943	0.118	0.07	3.3
23-062	Rancho Harvest, Inc.	Farm Tractor	\$109,308.00	\$65,584	\$1,881.57	1.256	0.157	0.114	7.1

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23-062	Rancho Harvest, Inc.	Farm Tractor	\$109,308.00	\$65,584	\$2,805.80	0.995	0.102	0.069	7.1
23-062	Rancho Harvest, Inc.	Farm Tractor	\$109,308.00	\$65,584	\$2,874.62	0.971	0.1	0.067	6.9
23-062	Rancho Harvest, Inc.	Farm Tractor	\$109,308.00	\$65,584	\$3,499.92	0.859	0.08	0.052	6.8
23-055	Rex D. Bartle	Farm Tractor	\$29,349.00	\$17,609	\$2,344.39	0.12	0.107	0.028	1.5
23-040	Rio Farms, LLC	Farm Tractor	\$457,235.00	\$137,170	\$6,936.21	1.56	0.15	0.085	41.1
23-040	Rio Farms, LLC	Farm Tractor	\$457,235.00	\$228,617	\$8,242.57	1.91	0.15	0.104	50.3
23-003	Sam Ag Service Inc.	Agricultural Forklift	\$94,590.00	\$62,576	\$7,144.25	0.229	0.038	0.029	1.8
23-003	Sam Ag Service Inc.	Agricultural Forklift	\$94,590.00	\$66,213	\$8,339.10	0.239	0.038	0.028	1.4
23-003	Sam Ag Service Inc.	Agricultural Forklift	\$94,590.00	\$66,213	\$9,041.59	0.152	0.035	0.029	1.5
23-074	Sow A Heart Farm LLC	Farm Tractor	\$45,000.00	\$31,500	\$2,632.80	0.23	0.06	0.049	3.0
23-074	Sow A Heart Farm LLC	Agricultural Loader	\$118,833.00	\$83,183	\$6,781.44	0.44	0.07	0.04	2.0
23-024	Sunset Valley Ranch	Farm Tractor	\$55,533.00	\$33,319	\$3,360.66	0.502	0.062	0.045	2.5
23-024	Sunset Valley Ranch	Agricultural Loader	\$68,908.00	\$39,064	\$7,645.76	0.426	0.065	0.039	1.4
23-024	Sunset Valley Ranch	Agricultural Loader	\$62,595.00	\$37,557	\$6,955.48	0.269	0.041	0.025	1.3
23-024	Sunset Valley Ranch	Farm Tractor	\$54,889.71	\$32,933	\$7,268.49	0.098	0.087	0.023	1.2
23-010	Sunshine Citrus Farms LLC	Agricultural Loader	\$70,860.00	\$49,602	\$5,803.98	0.307	0.046	0.028	1.3
23-058	Tilley HVR, LLC	Farm Tractor	\$39,504.00	\$23,702	\$3,100.38	0.132	0.109	0.028	1.3
23-058	Tilley HVR, LLC	Farm Tractor	\$55,852.00	\$33,511	\$2,978.30	0.458	0.058	0.034	1.9
23-077	William A. Miller	Agricultural Loader	\$128,459.09	\$83,183	\$5,600.03	0.604	0.076	0.045	2.9
23-033	Willow Creek Ranch Enterprises LLC	Agricultural Loader	\$68,500.00	\$43,225	\$5,236.00	0.358	0.055	0.033	1.8
23-033	Willow Creek Ranch Enterprises LLC	Farm Tractor	\$34,043.00	\$22,127	\$10,146.43	0.042	0.036	0.01	0.6

TPY = tons per year	Totals		\$4,923,331.94	\$2,827,886.00		22.0	3.53	1.97	213.8
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