

November 12, 2019

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

**SUBJECT: AUTHORIZATION TO APPROVE 21 GRANT FUNDING REQUESTS
TOTALING \$2,387,232.00 OF NEW AIR QUALITY PROJECTS UNDER THE
CARL MOYER MEMORIAL AIR QUALITY STANDARDS ATTAINMENT
PROGRAM (RECOMMENDATION #23 REQUIRES SIX AFFIRMATIVE
VOTES)**

RECOMMENDED ACTIONS:

1. Approve grant funding up to \$152,316.00 to assist Ag Land Services with the purchase of three (3) new, lower-emission farm tractors.
2. Approve grant funding up to \$56,000.00 to assist Andy Sheaffer with the purchase of a new, lower-emission farm tractor.
3. Approve grant funding up to \$105,000.00 to assist Boething Treeland Farms with the purchase of a new, lower-emission farm loader.
4. Approve grant funding up to \$19,361.00 to assist California State University Channel Islands with installing six (6) public Level 2 electric vehicle charging stations at one of their campus parking lots.
5. Approve grant funding up to \$96,417.00 to assist C&E Farms with the purchase of three (3) new, lower-emission farm tractors.
6. Approve grant funding up to \$61,663.00 to assist Central Coast Picking & Pruning with the purchase of a new, lower-emission farm forklift.
7. Approve grant funding up to \$46,130.00 to assist Dirt Works Engineering with the purchase of a new, lower-emission farm tractor.
8. Approve grant funding up to \$170,793.00 to assist Fujishige Farms with the purchase of a new, lower-emission farm tractor.
9. Approve grant funding up to \$174,230.00 to assist Gonzar Farms Inc. with the purchase of a new, lower-emission farm tractor.
10. Approve grant funding up to \$59,298.00 to assist M. Nishimori Farms Inc. with the purchase of two (2) new, lower-emission farm tractors.

11. Approve grant funding up to \$234,360.00 to assist Mirage Sportfishing & Commercial Fisheries Inc. (Joe Villareal) in repowering of the commercial fishing boat, MIRAGE, with two new, lower-emission, propulsion engines and a new, lower-emission, auxiliary engine.
12. Approve grant funding up to \$531,750.00 to assist Oxnard Harbor District, Port of Hueneme with installing a power vault to supply grid power to a cargo handling crane.
13. Approve grant funding up to \$49,980.00 to assist Padilla Farms with the purchase of three (3) new, lower-emission farm tractors.
14. Approve grant funding up to \$41,888.00 to assist Raul Buenroostro with the purchase of a new, lower-emission farm tractor.
15. Approve grant funding up to \$60,690.00 to assist Rio Farms LLC with the purchase of a new, lower-emission farm tractor.
16. Approve grant funding up to \$93,520.00 to assist Romero Farms with the purchase of two (2) new, lower-emission farm tractors.
17. Approve grant funding up to \$265,000.00 to assist Sea Biscuit Sportfishing (Robert Valney) in repowering of the commercial fishing boat, SEA BISCUIT, with two new, lower-emission, propulsion engines and a new, lower-emission, auxiliary engine.
18. Approve grant funding up to \$32,756.00 to assist Somis Koi & Watergardens with the purchase of a new, lower-emission farm loader.
19. Approve grant funding up to \$46,130.00 to assist Staben Engineering with the purchase of a new, lower-emission farm tractor.
20. Approve grant funding up to \$54,950.00 to assist Staben Farms with the purchase of a new, lower-emission farm tractor.
21. Approve grant funding up to \$35,000.00 to assist Venegas Farming LLC with the purchase of a new, lower-emission farm forklift.
22. 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.
23. Authorize the Auditor-Controller's Office to process the following accounting transaction in Special Revenue Fund O701-APCD Grants for FY 2019-2020 (**six affirmative votes required**):

Increase Services and Supplies	\$ 2,387,232.00
Increase Intergovernmental Revenue	\$ 2,387,232.00

FISCAL/MANDATES IMPACT:

Mandatory:

No

Source of Funding:

California Air Resources Board (CARB) Grant Award, Year 21	\$ 1,705,497.00
Health & Safety Code § 44229 Funds [\$2 DMV fee]	\$ 468,388.84
CARB State Reserve Grant Award, Year 21	\$ 148,798.45
Funds recovered from the Eclipse Berry Farm Bankruptcy	\$ 52,622.34
Interest earned on Carl Moyer Program Funds (FY18/19)	\$ 11,925.37

Funding Match Required:

Yes. CARB requires local matching funds of \$292,371 for the Year 21 Grant Award. The District Contribution of \$468,388.84 DMV fees exceeds the match requirement.

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 (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.

In March 2019, the District advertised the availability of Carl Moyer grant funds on its website, by emails to interested parties and organizations, and through local diesel equipment dealers and installers. The deadline for submitting applications was June 12, 2019. The District received 62 applications for grant funding which were comprised of proposals to replace 93 pieces of mobile diesel agricultural equipment, replace three agricultural water pump engines, replace two pieces of off-road mobile diesel equipment (non-agricultural), replace one locomotive, repower four commercial marine vessels, install electrical power infrastructure at the Port of Hueneme, install electric school bus charging infrastructure at Oxnard Union High School, and install electric vehicle charging infrastructure at California State University Channel Islands. 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 equipment/applications are proposed for funding along with all qualifying infrastructure projects.

This year marks the twenty-first year the District has administered a local Carl Moyer grant program. The grants previously approved by your Board and this year’s proposed grants are summarized in the table below. Please note that your Board approved the District’s participation in three additional grant programs that used the Carl Moyer Program framework to quickly provide funding to reduce pollution, two of which – the Funding Agricultural Replacement Measures for Emission Reductions (FARMER) and Community Air Protection (CAP) Programs – target funding in disadvantaged and low-income communities. The projects proposed to be funded under these grant programs are not included in the table below. Proposed grant funding awards under the FARMER and CAP grant programs are being presented to your Board as separate agenda items.

Calendar Year	Authorized Funding	Commercial Fishing Boats / Engines		Ag Pumps	On-Road	Non-Farm Off-Road	Mobile Ag Equip.	Total Engines	Infra-structure	Grant Contracts
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 Proposed	\$2,387,232	2	6	0	0	0	25	31	2	21
Totals	\$45,009,538	121	225	292	66	46	537	1166	2	562

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

Current Proposal

Based on District staff analysis of all Carl Moyer Program applications and corresponding equipment, we recommend your Board approve a total of \$2,387,232 in funding for the 31 engines and two infrastructure projects described in Attachment 1 and as recommended in actions numbers 1 through 21 above.

The proposed Carl Moyer Program air quality projects for 2019 set forth above result in a total projected emission reduction of 18.5 tons per year of ozone precursors, 1.4 tons per year of

diesel particulate matter, and 153 metric tonnes of carbon dioxide, a greenhouse gas, per year. Note that while the infrastructure projects will likely reduce emissions, CARB has not approved a method to estimate the emissions benefits from infrastructure projects.

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 805-645-1407 or Nancy Mendoza (Fiscal) at 805-645-1402.

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

Attachment 1 Carl Moyer Program Recommendations for Funding, November 12, 2019.

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.

VCAPCD Carl Moyer Program
Recommendations for Funding - November 12, 2019

App No	Applicant	Type	Equipment Cost (excluding sales tax)	Proposed Grant	NOx Emission Reduction TPY	ROG Emission Reduction TPY	PM Emission Reduction TPY	CO2 Emission Reduction Metric TPY
21-038	Ag Land Services	Farm Tractor	\$71,500	\$53,996	0.666	0.086	0.049	2.6
21-038	Ag Land Services	Farm Tractor	\$55,405	\$41,120	0.416	0.053	0.031	1.6
21-038	Ag Land Services	Farm Tractor	\$71,500	\$57,200	0.300	0.049	0.038	2.3
21-018	Andy Sheaffer	Farm Tractor	\$80,000	\$56,000	0.878	0.048	0.023	2.1
21-049	Boething Treeland Farms	Farm Loader	\$175,000	\$105,000	1.000	0.104	0.070	4.9
21-081	California State University, Channel Islands	Electric Vehicle Infrastructure	\$32,269	\$19,361	n/a	n/a	n/a	n/a
21-040	C&E Farms	Farm Tractor	\$54,900	\$32,940	0.703	0.091	0.052	1.8
21-040	C&E Farms	Farm Tractor	\$54,900	\$30,537	0.567	0.073	0.051	2.3
21-040	C&E Farms	Farm Tractor	\$54,900	\$32,940	0.468	0.061	0.042	1.9
21-006	Central Coast Picking & Pruning	Farm Forklift	\$91,990	\$61,663	0.364	0.055	0.033	1.6
21-023	Dirt Works Engineering	Farm Tractor	\$65,900	\$46,130	0.343	0.045	0.031	1.6
21-042	Fujishige Farms	Farm Tractor	\$284,655	\$170,793	2.140	0.187	0.122	10.4
21-020	Gonzar Farms, Inc.	Farm Tractor	\$248,900	\$174,230	1.222	0.114	0.065	6.0
21-045	M. Nishimori Farms Inc.	Farm Tractor	\$59,298	\$29,649	0.459	0.074	0.059	3.4
21-045	M. Nishimori Farms Inc.	Farm Tractor	\$59,298	\$29,649	0.380	0.061	0.048	2.8
21-090	Mirage Sportfishing & Commercial Fisheries, Inc. (F/V MIRAGE)	Propulsion Engine	\$334,800	\$234,360	0.448	-0.004	0.025	31.4
21-090	Mirage Sportfishing & Commercial Fisheries, Inc. (F/V MIRAGE)	Propulsion Engine			0.448	-0.004	0.025	31.4
21-090	Mirage Sportfishing & Commercial Fisheries, Inc. (F/V MIRAGE)	Auxillary Engine			0.467	-0.070	0.021	4.1
21-032	Oxnard Harbor District, Port of Hueneme	Electric Crane Infrastructure	\$1,063,500	\$531,750	n/a	n/a	n/a	n/a
21-046	Padilla Farms	Farm Tractor	\$23,800	\$16,660	0.059	0.013	0.013	1.3
21-046	Padilla Farms	Farm Tractor	\$23,800	\$16,660	0.040	0.039	0.011	0.7
21-046	Padilla Farms	Farm Tractor	\$23,800	\$16,660	0.040	0.039	0.011	0.7
21-032	Raul Buenrrostro	Farm Tractor	\$59,841	\$41,888	0.326	0.053	0.041	2.1
21-034	Rio Farms, LLC	Farm Tractor	\$86,700	\$60,690	0.387	0.063	0.049	2.4
21-039	Romero Farms	Farm Tractor	\$66,800	\$46,760	0.541	0.070	0.040	2.0
21-039	Romero Farms	Farm Tractor	\$66,800	\$46,760	0.437	0.056	0.032	1.9
21-091	Sea Biscuit Sportfishing (F/V SEA BISCUIT)	Propulsion Engine	\$372,400	\$265,000	1.147	0.017	0.047	10.3
21-091	Sea Biscuit Sportfishing (F/V SEA BISCUIT)	Propulsion Engine			1.245	0.018	0.050	11.1
21-091	Sea Biscuit Sportfishing (F/V SEA BISCUIT)	Auxillary Engine			0.101	0.008	0.018	2.8
21-003	Somis Koi & Watergardens	Farm Loader	\$46,795	\$32,756	0.097	0.024	0.200	1.2
21-028	Staben Engineering	Farm Tractor	\$65,900	\$46,130	0.342	0.044	0.031	1.7
21-019	Staben Farms	Farm Tractor	\$78,500	\$54,950	0.698	0.098	0.056	1.3
21-008	Venegas Farming LLC	Farm Forklift	\$91,990	\$35,000	0.193	0.031	0.019	1.2
	n/a = not applicable	Totals	\$3,865,841	\$2,387,232	16.9	1.6	1.4	152.9