



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

BOARD OF DIRECTORS
MOBILE SOURCE COMMITTEE

COMMITTEE MEMBERS

DAVID CANEPA – CHAIR
MARGARET ABE-KOGA
DAVID HUDSON
DOUG KIM
KAREN MITCHOFF
ROD SINKS

PAULINE RUSSO CUTTER – VICE CHAIR
SCOTT HAGGERTY
TYRONE JUE
LIZ KNISS
KATIE RICE

THURSDAY
JULY 25, 2019
9:30 A.M.

1ST FLOOR BOARD ROOM
375 BEALE STREET
SAN FRANCISCO, CA 94105

AGENDA

1. CALL TO ORDER - ROLL CALL

PLEDGE OF ALLEGIANCE

PUBLIC MEETING PROCEDURE

The Committee Chair shall call the meeting to order and the Clerk of the Boards shall take roll of the Committee members. The Committee Chair shall lead the Pledge of Allegiance.

This meeting will be webcast. To see the webcast, please visit www.baaqmd.gov/bodagendas at the time of the meeting. Closed captioning may contain errors and omissions, and are not certified for their content or form.

Public Comment on Agenda Items *The public may comment on each item on the agenda as the item is taken up. Public Comment Cards for items on the agenda must be submitted in person to the Clerk of the Boards at the location of the meeting and prior to the Board taking up the particular item. Where an item was moved from the Consent Calendar to an Action item, no speaker who has already spoken on that item will be entitled to speak to that item again.*

2. **PUBLIC COMMENT ON NON-AGENDA MATTERS**

Public Comment on Non-Agenda Items, Pursuant to Government Code Section 54954.3

For the first round of public comment on non-agenda matters at the beginning of the agenda, ten persons selected by a drawing by the Clerk of the Boards from among the Public Comment Cards indicating they wish to speak on matters not on the agenda for the meeting will have two minutes each to address the Board on matters not on the agenda. For this first round of public comments on non-agenda matters, all Public Comment Cards must be submitted in person to the Clerk of the Board at the location of the meeting and prior to commencement of the meeting.

Staff/Phone (415) 749-

3. **APPROVAL OF THE MINUTES OF MAY 23, 2019**

Clerk of the Boards/5073

The Committee will consider approving the attached draft minutes of the Mobile Source Committee meeting of May 23, 2019.

4. **PROJECTS AND CONTRACTS WITH PROPOSED GRANT AWARDS OVER \$100,000**

K. Schkolnick/5070

kschkolnick@baaqmd.gov

The Committee will consider recommending that the Board of Directors' approve the Carl Moyer Program (CMP), Transportation Fund for Clean Air (TFCA), and Commercial Lawn and Garden Equipment Exchange Program projects requesting grant funding in excess of \$100,000 and consider authorizing the Executive Officer/APCO to execute grant agreements for the recommended projects.

5. **UPDATE ON THE STATE TRUCK AND BUS REGULATION**

K. Schkolnick/5070

kschkolnick@baaqmd.gov

The Committee will receive an informational presentation on the California Air Resources Board's (CARB) Truck and Bus Regulation.

6. **APPROVAL OF CONTRACT FOR CLEAN CARS FOR ALL PROGRAM CASE MANAGERS**

R. Chiang/8621

rchiang@baaqmd.gov

The Committee will consider recommending that the Board of Directors' authorize the Executive Officer/APCO to execute a contract for case managers to support the Clean Cars for All Program.

7. **UPDATE ON THE 32ND INTERNATIONAL ELECTRIC VEHICLE SYMPOSIUM**

K. Schkolnick/5070
kschkolnick@baaqmd.gov

The Committee will receive an informational update on the 32nd International Electric Vehicle Symposium.

8. **PUBLIC COMMENT ON NON-AGENDA MATTERS**

Speakers who did not have the opportunity to address the Committee in the first round of comments on non-agenda matters will be allowed two minutes each to address the Committee on non-agenda matters.

9. **COMMITTEE MEMBER COMMENTS**

Any member of the Board, or its staff, on his or her own initiative or in response to questions posed by the public, may: ask a question for clarification, make a brief announcement or report on his or her own activities, provide a reference to staff regarding factual information, request staff to report back at a subsequent meeting concerning any matter or take action to direct staff to place a matter of business on a future agenda. (Gov't Code § 54954.2)

10. **TIME AND PLACE OF NEXT MEETING**

Thursday, September 26, 2019, Bay Area Air Quality Management District Office, 375 Beale Street, San Francisco, California 94105 at 9:30 a.m.

11. **ADJOURNMENT**

The Committee meeting shall be adjourned by the Committee Chair.

CONTACT:

MANAGER, EXECUTIVE OPERATIONS
375 BEALE STREET, SAN FRANCISCO, CA 94105
vjohnson@baaqmd.gov

(415) 749-4941
FAX: (415) 928-8560
BAAQMD homepage:
www.baaqmd.gov

- To submit written comments on an agenda item in advance of the meeting. Please note that all correspondence must be addressed to the “Members of the Mobile Source Committee” and received at least 24 hours prior, excluding weekends and holidays, in order to be presented at that Committee meeting. Any correspondence received after that time will be presented to the Committee at the following meeting.
- To request, in advance of the meeting, to be placed on the list to testify on an agenda item.
- Any writing relating to an open session item on this Agenda that is distributed to all, or a majority of all, members of the body to which this Agenda relates shall be made available at the District’s offices at 375 Beale Street, Suite 600, San Francisco, CA 94105, at the time such writing is made available to all, or a majority of all, members of that body.

Accessibility and Non-Discrimination Policy

The Bay Area Air Quality Management District (Air District) does not discriminate on the basis of race, national origin, ethnic group identification, ancestry, religion, age, sex, sexual orientation, gender identity, gender expression, color, genetic information, medical condition, or mental or physical disability, or any other attribute or belief protected by law.

It is the Air District’s policy to provide fair and equal access to the benefits of a program or activity administered by Air District. The Air District will not tolerate discrimination against any person(s) seeking to participate in, or receive the benefits of, any program or activity offered or conducted by the Air District. Members of the public who believe they or others were unlawfully denied full and equal access to an Air District program or activity may file a discrimination complaint under this policy. This non-discrimination policy also applies to other people or entities affiliated with Air District, including contractors or grantees that the Air District utilizes to provide benefits and services to members of the public.

Auxiliary aids and services including, for example, qualified interpreters and/or listening devices, to individuals who are deaf or hard of hearing, and to other individuals as necessary to ensure effective communication or an equal opportunity to participate fully in the benefits, activities, programs and services will be provided by the Air District in a timely manner and in such a way as to protect the privacy and independence of the individual. Please contact the Non-Discrimination Coordinator identified below at least three days in advance of a meeting so that arrangements can be made accordingly.

If you believe discrimination has occurred with respect to an Air District program or activity, you may contact the Non-Discrimination Coordinator identified below or visit our website at www.baaqmd.gov/accessibility to learn how and where to file a complaint of discrimination.

Questions regarding this Policy should be directed to the Air District’s Non-Discrimination Coordinator, Rex Sanders, at (415) 749-4951 or by email at rsanders@baaqmd.gov

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

375 BEALE STREET, SAN FRANCISCO, CA 94105

FOR QUESTIONS PLEASE CALL (415) 749-4941

EXECUTIVE OFFICE:

MONTHLY CALENDAR OF AIR DISTRICT ANTICIPATED MEETINGS

JULY 2019

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Personnel Committee (CANCELLED)	Wednesday	17	9:30 a.m.	1 st Floor Board Room
Board of Directors Legislative Committee (CANCELLED)	Wednesday	24	9:30 a.m.	1 st Floor, Yerba Buena Room #109
Board of Directors Mobile Source Committee	Thursday	25	9:30 a.m.	1 st Floor Board Room
Advisory Council Meeting	Monday	29	10:00 a.m.	1 st Floor Board Room
Board of Directors Special Meeting as the Sole Member of the Bay Area Clean Air Foundation	Wednesday	31	9:30 a.m.	1 st Floor Board Room
Board of Directors Special Meeting	Wednesday	31	10:00 a.m.	1 st Floor Board Room

SEPTEMBER 2019

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Regular Meeting - CANCELLED	Wednesday	4	9:30 a.m.	1 st Floor Board Room
Advisory Council Meeting - CANCELLED AND RESCHEDULED TO DECEMBER 9, 2019	Monday	9	10:00 a.m.	1 st Floor Board Room
Board of Directors Community & Public Health Committee	Thursday	12	9:30 a.m.	1 st Floor, Yerba Buena Room #109
Board of Directors Stationary Source Committee	Monday	16	9:30 a.m.	Location To Be Determined
Board of Directors Executive Committee - CANCELLED	Wednesday	18	9:30 a.m.	1 st Floor Board Room
Board of Directors Regular Meeting	Wednesday	18	9:30 a.m.	1 st Floor Board Room
Board of Directors Climate Protection Committee	Thursday	19	9:30 a.m.	1 st Floor Board Room
Board of Directors Budget & Finance Committee	Wednesday	25	9:30 a.m.	1 st Floor, Yerba Buena Room #109
Board of Directors Mobile Source Committee	Thursday	26	9:30 a.m.	1 st Floor Board Room

OCTOBER 2019

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Special Meeting	Wednesday	2	9:30 a.m.	Location To Be Determined
Board of Directors Technology Implementation Office (TIO) Steering Committee	Friday	4	9:30 a.m.	1st Floor Board Room
Board of Directors Executive Committee	Wednesday	16	9:30 a.m.	1st Floor Board Room
Board of Directors Budget & Finance Committee	Wednesday	23	9:30 a.m.	1st Floor, Yerba Buena Room #109
Board of Directors Mobile Source Committee	Thursday	24	9:30 a.m.	1st Floor Board Room
Advisory Council Meeting	Monday	28	10:00 a.m.	1st Floor Board Room
Board of Directors Community & Public Health Committee	Wednesday	30	9:30 a.m.	1st Floor Board Room

HL – 7/17/2019 –10:25 a.m.

G/Board/Executive Office/Moncal

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Memorandum

To: Chairperson David Canepa and Members
of the Mobile Source Committee

From: Jack P. Broadbent
Executive Officer/APCO

Date: July 16, 2019

Re: Approval of the Minutes of May 23, 2019

RECOMMENDED ACTION

Approve the attached draft minutes of the Mobile Source Committee (Committee) meeting of May 23, 2019.

DISCUSSION

Attached for your review and approval are the draft minutes of the Committee meeting of May 23, 2019.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: Marcy Hiratzka
Reviewed by: Vanessa Johnson

Attachment 3A: Draft Minutes of the Committee Meeting of May 23, 2019

AGENDA 3A – ATTACHMENT

Draft Minutes – Mobile Source Committee Meeting of May 23, 2019

Bay Area Air Quality Management District
375 Beale Street, Suite 600
San Francisco, California 94105
(415) 749-5073

DRAFT MINUTES

Summary of Board of Directors
Mobile Source Committee Meeting
Thursday, May 23, 2019

1. CALL TO ORDER – ROLL CALL

Mobile Source Committee (Committee) Chairperson, David Canepa, called the meeting to order at 9:33 a.m.

Present: Chairperson David Canepa; and Directors Scott Haggerty, Tyrone Jue, Liz Kniss, Karen Mitchoff, and Rod Sinks.

Absent: Vice Chairperson Pauline Russo Cutter; and Directors Margaret Abe-Koga, David Hudson, Doug Kim, and Katie Rice.

Also Present: None.

2. PUBLIC COMMENT ON NON-AGENDA ITEMS, PURSUANT TO GOVERNMENT CODE SECTION 54954.3

No requests received.

3. APPROVAL OF THE MINUTES OF APRIL 25, 2019

Public Comments

No requests received.

Committee Comments

None.

Committee Action

Director Kniss made a motion, seconded by Director Mitchoff, to **approve** the Minutes of April 25, 2019; and the motion carried by the following vote of the Committee:

AYES: Canepa, Haggerty, Jue, Kniss, Mitchoff, Sinks.
NOES: None.
ABSTAIN: None.
ABSENT: Abe-Koga, Cutter, Hudson, Kim, Rice.

4. PROJECTS AND CONTRACTS WITH PROPOSED GRANT AWARDS OVER \$100,000

Chengfeng Wang, Air Quality Program Manager, introduced Sean Newlin, Staff Specialist, who gave the staff presentation *Projects and Contracts with Proposed Grant Awards Over \$100,000*, including: overview; Carl Moyer Program (CMP) and Mobile Source Incentive Fund (MSIF); Community Health Protection Grant Program (CHP); CMP, MSIF, CHP project recommendations over \$100,000; Transportation Fund for Clean Air (TFCA) project recommendations over \$100,000; Reformulated Gasoline (RFG) Settlement Fund projects over \$100,000; projected grant revenues for Fiscal Year Ending (FYE) 2019; funds recommended and awarded by project category and county since July 2018; status of incentive funding awarded since July 2018, by funding source; status of solicitations; and recommended actions.

Public Comments

No requests received.

Committee Comments

The Committee and staff discussed the difference in the time it takes to charge an electric vehicle (EV) using a Level 2 charger and a DC fast charger; types of EVs that cannot be charged with DC fast chargers or super chargers; how requirements and methodologies of eligible projects can yield varying emission reductions between comparable projects; project reporting requirements; how the Air District recovers grant funds if a project does not perform in the way in which it was anticipated and if retrofitted (project) vehicles travel outside the Bay Area; the request for Vehicle Buy Back and Carl Moyer Program language for the Board members to circulate on social media; the fact that one EV charging station project can benefit multiple municipalities across various counties; how applicants whose project applications are not awarded funding may be added to the Air District's respective grant program contingency lists, where such lists are applicable, and do not have to re-apply to be considered for the (grant program's) next funding cycle; how the Air District's allocation of the Reformulated Gasoline Settlement Fund, which is currently exhausted, is to be replenished; project evaluation criteria across all grant types, and the request that language be added to this presentation, explaining the geographic distribution of awarded projects and the locations of impacted communities; whether the Air District's Existing Shuttle/Feeder Bus and Regional Ridesharing Services Grant Program is still offering grants; the feasibility of implementing a time limit at EV charging stations to deter users from leaving their vehicles in charging stations after the vehicles have been charged while others wait to use the infrastructure, and who will enforce regulation of this (on private and public properties); and the request for a list of awarded commercial fishing boat projects.

Committee Action

Director Kniss made a motion, seconded by Director Mitchoff, to recommend that the Board **approve** staff recommendations; and the motion carried by the following vote of the Committee:

AYES: Canepa, Haggerty, Jue, Kniss, Mitchoff, Sinks.
NOES: None.
ABSTAIN: None.
ABSENT: Abe-Koga, Cutter, Hudson, Kim, Rice.

5. FISCAL YEAR ENDING (FYE) 2020 TRANSPORTATION FUND FOR CLEAN AIR REGIONAL FUND POLICIES & EVALUATION CRITERIA

Mr. Wang introduced Ken Mak, Supervising Staff Specialist, who gave the staff presentation *FYE 2020 TFCA Regional Fund Policies and Evaluation Criteria, including:* overview; TFCA background; FYE 2020 TFCA timeline; proposed updates – Policy #2 (TFCA cost effectiveness), Clean Air Vehicle projects, trip-reductions (including bicycle) projects; and recommended actions.

Public Comments

No requests received.

Committee Comments

The Committee and staff discussed the way in which the Air District’s allocation of TFCA funds are appropriated; how grant amounts in the Air District’s Vehicle Buy Back program are determined; how the California Air Resources Board (CARB) requires that the Air District’s Clean Cars for All program include hybrid electric vehicles as an eligible grant category, despite the concern that hybrid technology is being eclipsed by battery electric vehicles; the feasibility and anticipated benefits of scrapping motorcycles; and a previous heavy-duty truck replacement program once deployed by the Air District, and the request for a new “cash for clunkers” program for heavy-duty trucks.

Committee Action

Director Mitchoff made a motion, seconded by Director Haggerty, to recommend that the Board **approve** staff recommendations; and the motion carried by the following vote of the Committee:

AYES: Canepa, Haggerty, Jue, Kniss, Mitchoff, Sinks.
NOES: None.
ABSTAIN: None.
ABSENT: Abe-Koga, Cutter, Hudson, Kim, Rice.

6. ELECTRIC VEHICLE ECOSYSTEM UPDATE: ELECTRIC VEHICLE EQUALITY

Dr. Ranyee Chiang, Technology Implementation Officer, introduced Air Quality Technicians, Tin Le and Deanna Yee, who gave the staff presentation *EV Ecosystem Update: EV Equity*, including: EV ecosystem update; adoption of EVs in Bay Area by zip code; demographics of California EV purchasers who are eligible for California rebate; cost of living and EV affordability; benefits from EV equity; Clean Cars for All program; eligibility, replacement options, and finding levels based on funding source; timeline for program launch and outreach; partnerships and complementary programs; updates on soft launch and lessons learned; cloud-based platform for pre and post-award grants management; facilitate responsiveness, transparency, and maximizing benefits for the applicants; and efficient and coordinated grant review and administration.

Public Comments

No requests received.

Committee Comments

The Committee and staff discussed which Bay Area County currently has the highest EV adoption rate; the methodology used to collect the data regarding the demographics of those who purchase EVs in California; the need for Bay Area community choice energy programs be cooperative and supportive of the Air District’s deployment of its Clean Cars for All program; the degree to which the Air District’s incentives are reducing typical EV purchasing costs; courses of action to take, should the cloud-based grant management software used by the Air District encounter a technical problem, or the Air District finds a different vendor it prefers to use; vehicle emissions for EVs in the Bay Area compared to the United States average; outreach methods to targeted participants; the funding sources for the Air District’s Clean Cars for All program; the estimated number of applicants that can be awarded with the currently-available funding and what the average award amount would be; the number of languages Clean Cars for All is translated into on the Air District’s website.

Committee Action

None; receive and file.

7. PUBLIC COMMENT ON NON-AGENDA MATTERS

No requests received.

8. COMMITTEE MEMBER COMMENTS

None.

9. TIME AND PLACE OF NEXT MEETING

Thursday, July 25, 2019, Bay Area Air Quality Management District Office, 375 Beale Street, San Francisco, California 94105 at 9:30 a.m.

10. ADJOURNMENT

The meeting adjourned at 11:13 a.m.

Marcy Hiratzka
Clerk of the Boards

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Memorandum

To: Chairperson David Canepa and Members
of the Mobile Source Committee

From: Jack P. Broadbent
Executive Officer/APCO

Date: July 16, 2019

Re: Projects and Contracts with Proposed Grant Awards Over \$100,000

RECOMMENDED ACTION

Recommend Board of Directors:

1. Approve recommended projects with proposed grant awards over \$100,000 as shown in Attachment 1; and
2. Authorize the Executive Officer/APCO to enter into all necessary agreements with applicants for the recommended projects.

BACKGROUND

The Bay Area Air Quality Management District (Air District) has participated in the Carl Moyer Program (CMP), in cooperation with the California Air Resources Board (CARB), since the program began in fiscal year 1998-1999. The CMP provides grants to public and private entities to reduce emissions of oxides of nitrogen (NOx), reactive organic gases (ROG), and particulate matter (PM) from existing heavy-duty engines by either replacing or retrofitting them. Eligible heavy-duty diesel engine applications include on-road trucks and buses, off-road equipment, marine vessels, locomotives, and stationary agricultural pump engines.

Assembly Bill 923 (AB 923 - Firebaugh), enacted in 2004 (codified as Health and Safety Code (HSC) Section 44225), authorized local air districts to increase their motor vehicle registration surcharge up to an additional \$2 per vehicle. The revenues from the additional \$2 surcharge are deposited in the Air District's Mobile Source Incentive Fund (MSIF). AB 923 stipulates that air districts may use the revenues generated by the additional \$2 surcharge for projects eligible under the CMP.

In 2017, Assembly Bill (AB) 617 directed the CARB, in conjunction with local air districts to establish the Community Air Protection Program. AB 617 provides a new community-focused action framework to improve air quality and reduce exposure to criteria air pollutants and toxic air contaminants in communities most impacted by air pollution. In advance of the development of the Community Air Protection Program, the Governor and legislature established an early action component to AB 617 to use existing incentive programs to get immediate emission reductions in

the communities most affected by air pollution. AB 134 (2017) appropriated \$250 million from the Greenhouse Gas Reduction Fund (GGRF) to reduce mobile source emissions including criteria pollutants, toxic air contaminants, and greenhouse gases in those communities. The Bay Area has been allocated \$50 million of these funds for emission reduction projects. These funds will be used to implement projects under the CMP, and optionally on-road truck replacements under the Proposition 1B Goods Movement Emission Reduction Program.

On February 21, 2018, the Board of Directors (Board) authorized Air District participation in Year 20 of the CMP, and authorized the Executive Officer/APCO to execute Grant Agreements and amendments for projects funded with CMP funds or MSIF revenues, with individual grant award amounts up to \$100,000.

In 1991, the California State Legislature authorized the Air District to impose a \$4 surcharge on motor vehicles registered within the nine-county Bay Area to fund projects that reduce on-road motor vehicle emissions within the Air District's jurisdiction. The statutory authority for the Transportation Fund for Clean Air (TFCA) and requirements of the program are set forth in the HSC Sections 44241 and 44242. Sixty percent of TFCA funds are awarded by the Air District to eligible projects and programs implemented directly by the Air District (e.g., Spare the Air, electric vehicle charging station program) and to a program referred to as the TFCA Regional Fund. Each year, the Board allocates funding and adopts policies and evaluation criteria that govern the expenditure of TFCA Regional Fund monies. The remaining forty percent of TFCA funds are pass-through funds to the designated County Program Manager (CPM) in each of the nine counties within the Air District's jurisdiction.

On May 2, 2018, the Board authorized funding allocations for use of the sixty percent of the TFCA revenue in Fiscal Year Ending (FYE) 2019, cost-effectiveness limits for Air District-sponsored FYE 2019 programs, and the Executive Officer/APCO to execute grant agreements and amendments for TFCA-revenue funded projects with individual grant award amounts up to \$100,000. On June 6, 2018, the Board adopted policies and evaluation criteria for the FYE 2019 TFCA Regional Fund program.

Projects with grant award amounts over \$100,000, are brought to the Mobile Source Committee for consideration at least on a quarterly basis. Staff reviews and evaluates grant applications based upon the respective governing policies and guidelines established by the CARB and the Board.

In addition to the above sources, staff also worked to secure new sources of funding (e.g., settlements) to further reduce emissions in the region. On September 10, 2007, the Attorney General (AG) of California entered into a Settlement Agreement with ConocoPhillips Company (Conoco) to resolve a dispute regarding the environmental impact of greenhouse gas (GHG) emissions from the Clean Fuels Expansion Project at the refinery in Rodeo, California. The Settlement Agreement required Conoco to make payment to a Carbon Offset Fund established by the Air District. On November 24, 2008, the AG and the Air District entered into a Memorandum of Understanding (MOU) authorizing the Air District to administer a grant program using Carbon Offset Fund monies for projects that will achieve GHG reductions in the Air District's jurisdiction, with priorities given to projects near the Conoco refinery in Rodeo, and the next highest priority given to projects in other areas of Contra Costa County. The Air District received \$4,443,025 from

Conoco in June 2009. As of December 2015, all the Air District Board-approved projects had been implemented leaving a balance in the Carbon Offset Fund of approximately \$517,270, which included funds from projects that had been canceled and completed under budget and from interest accrued.

On February 4, 2016, the AG and the Air District executed Amendment #1 to the MOU, allowing the remaining funds from the Carbon Offset Fund to be awarded to projects that reduce GHG emissions from commercial lawn and garden equipment. On February 17, 2016, the Board approved the allocation of the Carbon Offset Fund balance for the implementation of a commercial lawn and garden equipment exchange program and authorized the Executive Officer/APCO to enter into funding agreements and contracts up to \$100,000 for eligible projects. In accordance with the Carbon Offset Fund requirements, funds were first offered to the four communities closest to Conoco (Rodeo, Hercules, Crockett, and Pinole), then to all public agencies in Alameda and Contra Costa Counties, and finally to all public agencies in the Air District's jurisdiction once the program had been open for 90 days.

The Bay Area Clean Air Foundation (Foundation) is a nonprofit support organization for the Air District. As part of its operation, the Foundation applies for grant funding from various sources and accepts funding to reduce and offset air emissions within the boundaries of the Air District. To administer the grant programs associated with this funding, the Foundation has a contract with the Air District, which allows for staff to be used to complete work to expend these monies. On December 5, 2017, the Foundation entered into a contract for approximately \$1.3 million in funding with the administrators of the Reformulated Gas Settlement Fund (RFG) to support projects that help accelerate the adoption of zero- and near-zero-emission equipment and vehicles operating in and around the West Oakland community.

DISCUSSION

Carl Moyer Program and Community Health Protection Grant Program:

For the CMP Year 20 cycle, the Air District had more than \$11 million available for eligible CMP and school bus projects from a combination of MSIF and CMP funds. The Air District started accepting project applications for the CMP Year 20 funding cycle on June 25, 2018 and applications are accepted and evaluated on a first-come, first-served basis. On December 20, 2017, the Board authorized the Air District to accept, obligate, and expend \$50 million in AB 134 funds through the Community Health Protection Grant Program.

As of July 3, 2019, the Air District had received 260 project applications. Of the applications that have been evaluated between May 3, 2019 and July 3, 2019, six eligible projects have proposed individual grant awards over \$100,000. These projects will replace 6 pieces of off-road agricultural equipment, 2 off-road loaders, 1 excavator, 7 forklifts, 9 transit buses, and 5 school buses. These projects will reduce over 4.9 tons of NOx, ROG and PM per year. Staff recommends the allocation of \$3,342,059 for these projects from a combination of CMP funds and MSIF revenues. Attachment 1, Table 1, provides additional information on these projects.

Attachment 2 lists all of the eligible projects that have been received by the Air District as of July

3, 2019, including information about the equipment category, award amounts, estimated emissions reductions, and county location. Approximately 58% of the funds have been awarded to projects that reduce emissions in highly impacted Bay Area communities. Attachment 4, Figures 4 and 5 summarize the cumulative allocation of CMP, MSIF, and Community Health Protection Grant Program funding since 2009 (more than \$273 million awarded to 1,179 projects).

Transportation Fund for Clean Air Program:

In FYE 2019, the Air District had approximately \$20 million in TFCA funds available for eligible projects. As of July 3, 2019, the Air District had received 92 project applications.

Of the applications that were evaluated between May 3, 2019 and July 3, 2019, one eligible TFCA project has proposed individual grant award over \$100,000. This project will construct approximately 3.03 miles of Class I and IV bikeways along the San Francisco Bay Trail and Napa Valley Vine Trail regional networks in the City of Vallejo to close the gap from the Vallejo Ferry Terminal to the City of American Canyon, and will reduce over 0.1 tons of NO_x, ROG, and PM per year. Staff recommends an award of \$700,000 in TFCA funds for this project. Attachment 1, Table 2, provides additional information on this project.

Attachment 3, Table 1, lists all eligible TFCA projects that were evaluated as of July 3, 2019, including information about the equipment category, award amounts, estimated emissions reductions, and county location. Additionally, \$252,000 of TFCA funds were awarded as match to eligible on-road vehicle projects through the West Oakland Zero-Emission Grant Program discussed below. Approximately 34% of the funds have been awarded to projects that reduce emissions in highly impacted Bay Area communities.

Commercial Lawn and Garden Equipment Exchange Program:

In FYE 2019, approximately \$171,000 in Carbon Offset Funds were available for allocation to eligible commercial lawn and garden replacement projects. As of July 3, 2019, the Air District had received five applications.

In addition to the five new applications, the Air District received a request to increase funding by \$3,141.10, for a project that was awarded \$99,972.90 in 2017. This project removes and replaces 38 pieces of diesel-fueled lawn and garden equipment with zero-emission equipment located at the University of California, Berkeley (UC Berkeley). Staff recommends increasing the total award for this project to \$103,115, which allows UC Berkeley to choose the equipment that best fits their operating needs. Attachment 1, Table 3, provides additional information on this project.

Attachment 3, Table 3, lists all eligible Commercial Lawn and Garden Equipment Exchange Program projects that were evaluated as of July 3, 2019, including information about the equipment category, award amounts, and county location.

Reformulated Gas Settlement Fund Program:

Since April of 2018, the Air District has conducted three rounds of solicitations for the West

Oakland Zero-Emission Grant Program, which offered a total of \$1.17 million in RFG funds for eligible projects that reduce petroleum usage and air pollution in and around West Oakland and the Port of Oakland. The Air District had received nine project applications before the last of these rounds closed on June 30, 2019. Of the applications that were evaluated between May 3, 2019 and July 3, 2019, none of the eligible projects proposed an individual grant award over \$100,000.

Attachment 3, Table 2, lists all eligible RFG projects that were evaluated as of July 3, 2019, including information about the equipment category, award amounts, estimated emissions reductions, and location. All RFG funds have been awarded to projects that reduce emissions in highly impacted Bay Area communities.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None. The Air District distributes CMP, MSIF, Community Health Protection Grant Program, TFCA, Carbon Offset Fund, and RFG funding to public agencies and private entities on a reimbursement basis. Funding for administrative costs is provided by each funding source.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: Anthony Fournier, Linda Hui, Betty Kwan, and Mark Tang
Reviewed by: Karen Schkolnick, Chengfeng Wang and Ken Mak

- Attachment 1: Projects with grant awards greater than \$100,000
- Attachment 2: CMP/MSIF, FARMER and Community Health Protection Grant Program approved projects
- Attachment 3: TFCA, RFG and Commercial Lawn and Garden approved and eligible projects
- Attachment 4: Summary of funding awarded between 7/1/18 and 7/3/19

AGENDA 4 - ATTACHMENT 1

Table 1 - Carl Moyer Program/ Mobile Source Incentive Fund, FARMER, and Community Health Protection Grant Program projects with grant awards greater than \$100k (Evaluated between 5/3/19 and 7/3/19)

Project #	Applicant name	Equipment Category	Project Description	Proposed contract award	Total project cost	Emission Reductions (Tons per year)			County
						NOx	ROG	PM	
20MOY219	Blue House Farm, LLC	Ag/ off-road	Replacement of 4 pieces of diesel off-road agricultural equipment	\$ 189,390	\$ 246,666	0.438	0.052	0.038	San Mateo
20MOY229	Palm Drive Vineyards LLC	Ag/ off-road	Replacement of 2 pieces of diesel off-road agricultural equipment	\$ 104,475	\$ 136,857	0.317	0.044	0.027	Sonoma
20MOY228	Premier Recycle Company	Off-road	Replacement of 1 diesel loader and 1 diesel excavator	\$ 330,925	\$ 383,140	1.602	0.149	0.091	Santa Clara
20MOY226	American Soil Products, Inc.	Off-road	Replacement of 1 loader and 7 forklifts with 1 diesel loader and 7 electric forklifts and infrastructure	\$ 512,201	\$ 942,634	0.665	0.120	0.027	Alameda
20MOY242	Santa Clara Valley Transportation Authority	On-road	Replacement of 9 diesel transit buses with electric buses and infrastructure	\$ 1,158,578	\$ 9,288,440	0.722	0.011	0.004	Santa Clara
20SBP185	Michael's Transportation Service, Inc.	On-road	Replacement of 5 diesel buses with electric buses and infrastructure	\$ 1,046,490	\$ 2,264,130	0.556	0.049	0.004	Solano
6 Projects				\$ 3,342,059	\$ 13,261,867	4.300	0.426	0.192	

Table 2 - Transportation Fund for Clean Air projects with grant awards greater than \$100k (Evaluated between 5/3/19 and 7/3/19)

Project #	Applicant name	Project Category	Project Description	Proposed contract award	Total project cost	Emission Reductions (Tons per year)			County
						NO _x	ROG	PM	
20R01	Solano Transportation Authority	Bike Facilities	Install and maintain 3.03 miles of Class I and IV bikeways in Vallejo	\$ 700,000	\$ 5,128,000	0.022	0.011	0.084	Solano
1 Projects				\$ 700,000	\$ 5,128,000	0.022	0.011	0.084	

Table 3 - Other projects with grant awards
greater than \$100k (Evaluated between 5/3/19 and 7/3/19)

Project #	Applicant name	Equipment Category	Project Description	Proposed contract award	Total project cost	Emission Reductions (Tons per year)			County
						NOx	ROG	PM	
CLG2-06*	University of California, Berkeley	Commercial Lawn & Garden	Scrap and replace 38 pieces of lawn and garden equipment	\$ 103,115	\$ 103,115.00	N/A	N/A	N/A	Alameda
1 Projects				\$ 103,115	\$ 103,115	N/A	N/A	N/A	

* The award amount for this project consists of \$99,972.90 that was previously awarded and the proposed additional award of \$3,141.10.

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*CMP/MSIF, FARMER and Community Health Protection Grant Program approved projects
(between 7/6/18 and 7/3/19)*

Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	Emission Reductions (Tons per year)			Board approval date	County
						NOx	ROG	PM		
19MOY166	On-road	Equipment replacement	1	\$ 45,000.00	Deol Trans / Piara Singh	0.668	0.050	0.004	APCO	Contra Costa
19MOY168	Ag/ off-road	Equipment replacement	1	\$ 33,000.00	Rancho Las Juntas Vineyard	0.028	0.006	0.004	APCO	Contra Costa
19MOY163	Marine	Engine replacement	1	\$ 180,000.00	Bettencourt and Son (Commercial fishing)	0.647	0.009	0.021	10/17/2018	San Mateo
19MOY182	On-road	Equipment replacement	1	\$ 45,000.00	Thy Trucking	0.677	0.050	0.004	APCO	Alameda
19MOY185	On-road	Equipment replacement	1	\$ 60,000.00	Puerta Trucking	0.717	0.097	0.032	APCO	Merced
19MOY158	Ag/ off-road	Equipment replacement	1	\$ 117,000.00	Ocean Breeze Dairy	0.310	0.020	0.015	10/17/2018	Sonoma
19MOY159	Ag/ off-road	Equipment replacement	1	\$ 40,480.00	Trefethen Farming LLC	0.173	0.030	0.021	APCO	Napa
19MOY176	Ag/ off-road	Equipment replacement	1	\$ 60,930.00	Bazan Vineyard Management	0.198	0.033	0.025	APCO	Napa
19SBP12	School bus	Equipment replacement	4	\$ 512,170.00	Moreland School District	0.237	0.016	0.000	10/17/2018	Santa Clara
19MOY148	Off-road	Equipment replacement	2	\$ 197,278.00	The Lumber Baron, Inc.	0.178	0.044	0.008	10/17/2018	Alameda
19SBP97	School bus	Equipment replacement	8	\$ 1,635,693.00	Vallejo City Unified School District	0.826	0.065	0.000	10/17/2018	Solano
19MOY175	Off-road	Equipment replacement	1	\$ 75,680.00	Mt. Diablo Landscape Centers, LLC	0.189	0.031	0.023	APCO	Contra Costa
20MOY51	Ag/ off-road	Equipment replacement	5	\$ 467,856.00	Johnson and Neles Dairy	1.985	0.208	0.124	10/17/2018	Sonoma
20MOY52	On-road	Equipment replacement	1	\$ 60,000.00	James Marlowe Carson	0.904	0.068	0.005	APCO	Napa
19MOY181	Ag/ off-road	Equipment replacement	1	\$ 50,300.00	Jensen Ranch	0.122	0.019	0.011	APCO	Marin
19SBP140	School bus	Equipment replacement	18	\$ 4,076,369.00	Fremont Unified School District	1.717	0.139	0.034	10/17/2018	Alameda

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Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	Emission Reductions (Tons per year)			Board approval date	County
						NOx	ROG	PM		
20SBP45	School bus	Equipment replacement	2	\$ 1,291,000.00	Campbell Union School District	0.104	0.006	0.000	10/17/2018	Santa Clara
19MOY180	On-road	Equipment replacement	26	\$ 492,100.00	Nestle Waters North America	1.061	0.046	0.003	11/7/2018	Alameda, Solano
20MOY36	On-road	Equipment replacement	1	\$ 60,000.00	ZQR Trucking	0.982	0.074	0.006	APCO	Alameda
20MOY48	Marine	Engine replacement	1	\$ 99,500.00	Michael Thomas Hudson (Commercial fishing)	0.257	0.006	0.010	APCO	Alameda
20MOY60	Ag/ off-road	Equipment replacement	1	\$ 46,355.00	Siqueira Vineyard Management	0.156	0.026	0.018	APCO	Napa
20MOY50	Marine	Engine replacement	2	\$ 159,000.00	Captain Joe's Sportfishing	0.367	0.009	0.017	11/7/2018	San Francisco
20MOY71	Ag/ off-road	Equipment replacement	6	\$ 258,796.00	Vina Management Services	0.865	0.124	0.084	11/7/2018	Sonoma
20MOY65	On-road	Equipment replacement	1	\$ 40,000.00	Zahniser Trucking	0.738	0.122	0.006	APCO	Contra Costa
20MOY29	Off-road	Equipment replacement	3	\$ 15,000.00	D. C. Metals, Inc.	0.126	0.034	0.001	APCO	Alameda
20MOY62	Ag/ off-road	Equipment replacement	1	\$ 60,190.00	Vezer Family Vineyards	0.048	0.012	0.010	APCO	Solano
20MOY46	On-road	Equipment replacement	1	\$ 49,000.00	Akal Sahai Truck Lines Inc.	1.446	0.217	0.000	APCO	Alameda
20MOY63	On-road	Equipment replacement	1	\$ 23,500.00	Always Express Transportation	0.179	0.011	0.001	APCO	Alameda
20MOY49	Marine	Engine replacement	1	\$ 148,000.00	F/V Rose Marie Inc.	0.597	-0.011	0.024	12/19/2018	San Francisco
20MOY94	Marine	Engine replacement	1	\$ 44,000.00	Jeffrey A Sylva (Commercial fishing)	0.116	0.001	0.004	APCO	Santa Clara
20MOY41	Ag/ off-road	Equipment replacement	1	\$ 29,500.00	Kehoe Dairy, Inc	0.049	0.002	0.003	APCO	Marin
20MOY66	Ag/ off-road	Equipment replacement	3	\$ 188,700.00	Pina Vineyard Management , LLC.	0.160	0.037	0.028	12/19/2018	Napa
20MOY64	On-road	Equipment replacement	1	\$ 60,000.00	Basra Trucking	1.570	0.239	0.083	APCO	Santa Clara

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Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	Emission Reductions (Tons per year)			Board approval date	County
						NOx	ROG	PM		
20SBP08	School bus	Equipment replacement	3	\$ 1,143,464.00	Antioch Unified School District	0.298	0.023	0.011	12/19/2018	Contra Costa
20MOY76	Ag/ off-road	Equipment replacement	4	\$ 169,400.00	FN Viticulture, LLC	0.514	0.057	0.048	12/19/2018	Napa
20MOY97	On-road	Equipment replacement	1	\$ 40,000.00	Gosal Trucking	0.835	0.138	0.047	APCO	Contra Costa
20MOY43	Marine	Engine replacement	2	\$ 458,000.00	Michael Peery (Commercial fishing)	1.409	0.009	0.059	12/19/2018	Solano
20MOY100	Ag/ off-road	Equipment replacement	3	\$ 136,520.00	Grand Crew Vineyard Management	0.211	0.077	0.033	12/19/2018	Napa
20MOY96	On-road	Equipment replacement	1	\$ 60,000.00	Reliable Express Transportation Inc.	0.586	0.043	0.003	APCO	Alameda
20MOY67	Marine	Engine replacement	4	\$ 1,613,500.00	Harley Marine Services, Inc. Vessel: Z-Three	4.801	-0.135	0.380	12/19/2018	Alameda
20MOY68	Marine	Engine replacement	4	\$ 1,613,500.00	Harley Marine Services, Inc. Vessel: Z-Four	4.801	-0.135	0.380	12/19/2018	Alameda
20MOY69	Marine	Engine replacement	4	\$ 1,613,500.00	Harley Marine Services, Inc. Vessel: Z-Five	4.801	-0.135	0.380	12/19/2018	Alameda
20MOY110	Off-road	Equipment replacement	3	\$ 928,500.00	Steven's Creek Quarry, Inc.	5.136	0.232	0.138	12/19/2018	Santa Clara
20MOY117	On-road	Hydrogen fueling infrastructure	1	\$ 1,750,000.00	Alameda-Contra Costa Transit District	0.718	0.011	0.004	12/19/2018	Alameda
20SBP1	School bus	Equipment replacement	2	\$ 320,000.00	Pittsburg Unified School District	0.199	0.164	0.001	12/19/2018	Contra Costa
20MOY95	Ag/ off-road	Equipment replacement	1	\$ 159,600.00	Stan Poncia dba Terrilinda Dairy	0.893	0.116	0.066	12/19/2018	Sonoma
20MOY99	Ag/ off-road	Equipment replacement	2	\$ 121,800.00	T and M Agricultural Services, LLC	0.359	0.047	0.032	12/19/2018	Napa
20SBP72	School bus	Equipment replacement	6	\$ 1,246,785.00	Milpitas Unified School District	0.318	0.019	0.007	12/19/2018	Santa Clara
20SBP73	School bus	Equipment replacement	8	\$ 1,659,507.00	Berkeley Unified School District	0.617	0.045	0.132	12/19/2018	Alameda
20MOY119	On-road	Equipment replacement	1	\$ 40,000.00	Francisco Aguilar dba Salazar Trucking	1.113	0.183	0.000	APCO	Contra Costa
20MOY15	On-road	Equipment replacement	1	\$ 10,500.00	RCS Enterprises Inc	0.172	0.019	0.009	APCO	Santa Clara

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Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	Emission Reductions (Tons per year)			Board approval date	County
						NOx	ROG	PM		
20MOY120	On-road	Equipment replacement	1	\$ 40,000.00	Goga Trucking	1.066	0.175	0.000	APCO	Alameda
20MOY74	Ag/ off-road	Equipment replacement	1	\$ 57,766.00	Garvey Vineyard Management LLC	0.156	0.009	0.009	APCO	Napa
20MOY107	Marine	Equipment replacement	1	\$ 109,000.00	Argo Sportfishing	1.031	0.016	0.036	2/6/2019	San Francisco
20MOY132	Off-road	Equipment replacement	1	\$ 540,000.00	County Quarry Products, LLC	2.412	0.112	0.066	2/6/2019	Contra Costa
20MOY53	On-road	Equipment replacement	1	\$ 20,000.00	Pars Trucking	0.644	0.097	0.005	APCO	Solano
20MOY111	On-road	Equipment replacement	1	\$ 40,000.00	Jasvir Dosanjh	0.432	0.037	0.000	APCO	Placer
20MOY85	On-road	Equipment replacement	1	\$ 40,000.00	Gurchetan Johal	0.403	0.034	0.003	APCO	Placer
20MOY81	On-road	Equipment replacement	1	\$ 35,000.00	Bevin Thomas	0.366	0.031	0.002	APCO	Sacramento
20MOY92	On-road	Equipment replacement	1	\$ 50,000.00	Sukhvir Singh Tatlah	0.506	0.037	0.003	APCO	Alameda
20MOY87	On-road	Equipment replacement	1	\$ 30,000.00	Rajanpal Singh	0.329	0.028	0.002	APCO	Placer
20MOY108	On-road	Equipment replacement	1	\$ 40,000.00	Sukhdev Singh Johal	0.402	0.034	0.003	APCO	Sacramento
20MOY135	Ag/ off-road	Equipment replacement	1	\$ 38,235.00	Perry Kozlowski Ranch	0.117	0.015	0.010	APCO	Sonoma
20MOY134	Off-road	Engine replacement	8	\$ 1,901,000.00	DeSilva Gates Construction	6.636	0.358	0.190	2/6/2019	Alameda
20MOY141	Off-road	Engine replacement	1	\$ 111,000.00	Concord Iron Works, Inc.	0.308	0.034	0.021	2/6/2019	Contra Costa
20MOY126	Ag/ off-road	Equipment replacement	1	\$ 134,000.00	Kabeela, Inc.	0.229	0.024	0.014	2/6/2019	Santa Clara
20MOY144	Ag/ off-road	Equipment replacement	1	\$ 66,379.00	JPW Development Co., LLC	0.134	0.020	0.012	APCO	Solano
20MOY149	Locomotive	Locomotive replacement	1	\$ 1,550,000.00	Napa Valley Wine Train, Inc.	4.855	0.159	0.110	2/6/2019 & 5/1/2019	Napa
20SBP140	School bus	Equipment replacement	5	\$ 751,061.00	Sunnyvale School District	0.235	0.013	0.005	2/6/2019	Santa Clara

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Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	Emission Reductions (Tons per year)			Board approval date	County
						NOx	ROG	PM		
20MOY151	Ag/ off-road	Equipment replacement	1	\$ 68,475.00	Bianchini Inc.	0.165	0.020	0.011	APCO	Marin
20MOY147	On-road	Equipment replacement	1	\$ 40,000.00	Surjit Singh	1.162	0.241	0.000	APCO	Santa Clara
20MOY131	Ag/ off-road	Equipment replacement	1	\$ 25,117.00	E & M Deniz Dairy	0.153	0.024	0.014	APCO	Sonoma
20MOY136	Ag/ off-road	Equipment replacement	1	\$ 27,690.00	Hidden Gem Farms, LLC	0.024	0.023	0.006	APCO	Sonoma
20MOY125	Ag/ off-road	Equipment replacement	1	\$ 41,900.00	O'Brien Family Vineyard LLC	0.199	0.031	0.018	APCO	Napa
20MOY61	On-road	Equipment replacement	1	\$ 15,000.00	Lindsey Anderson Trucking Service	0.437	0.041	0.002	APCO	San Mateo
VBB FYE2019	VBB	Vehicle retirement program	tbd	\$ 7,000,000.00	Pick n Pull, and Environmental Engineering, Services	TBD	TBD	TBD	3/6/2019	Regional
VBB FYE2019	VBB	Vehicle retirement outreach	tbd	\$ 200,000.00	Direct Mail Center	TBD	TBD	TBD	3/6/2019	Regional
20MOY137	Ag/ off-road	Equipment replacement	1	\$ 58,320.00	Dotti Bros. LLC	0.198	0.033	0.025	APCO	Sonoma
20MOY157	Ag/ off-road	Equipment replacement	1	\$ 205,830.00	McClelland's Dairy	0.716	0.066	0.038	3/6/2019	Sonoma
20MOY159	Ag/ off-road	Equipment replacement	1	\$ 186,400.00	Petaluma Pumpkin Patch, LLC	0.341	0.031	0.017	3/6/2019	Sonoma
20MOY102	Ag/ off-road	Equipment replacement	1	\$ 18,420.00	Leonard Gianno (Farmer)	0.023	0.023	0.006	APCO	Solano
20MOY148	Marine	Engine replacement	1	\$ 196,500.00	John Henry Mellor (Commercial fishing)	0.460	0.008	0.017	3/6/2019	San Francisco
20MOY3	Marine	Engine replacement	2	\$ 97,000.00	Christopher Noel Smith, DBA, Captain Hook Sportfishing	0.947	-0.014	0.038	APCO	Alameda
20MOY90	Marine	Engine replacement	2	\$ 156,000.00	Riverview Equipment Company LLC	0.274	0.000	0.015	3/6/2019	Solano
20MOY70	Marine	Engine replacement	2	\$ 160,000.00	Bay Marine Services, LLC	1.490	0.029	0.047	3/6/2019	Solano
20SBP23	School bus	Equipment replacement	2	\$ 361,692.00	Sonoma Valley Unified School District	0.131	0.009	0.001	3/6/2019	Sonoma

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Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	Emission Reductions (Tons per year)			Board approval date	County
						NOx	ROG	PM		
20MOY175	Locomotive	Equipment replacement	2	\$ 7,400,000.00	California Department of Transportation	18.485	0.698	0.288	3/6/2019	Solano, Contra Costa, Alameda, Santa Clara
20MOY91	Marine	Engine replacement	2	\$ 70,000.00	Riverview Equipment Company LLC	0.125	0.001	0.006	APCO	Solano
20MOY152	Marine	Engine replacement	1	\$ 39,000.00	Patrick Lazzari (Commercial fishing)	0.078	0.001	0.003	APCO	San Francisco
20MOY163	Ag/ off-road	Equipment replacement	1	\$ 32,920.00	Haire Management Co. LLC	0.130	0.023	0.013	APCO	Napa
20SBP75	School bus	Equipment replacement	4	\$ 787,704.00	Napa Valley Unified School District	0.373	0.032	0.000	4/3/2019	Napa
20MOY158	Ag/ off-road	Equipment replacement	1	\$ 58,900.00	Cortina Vineyard Management	0.105	0.007	0.007	APCO	Napa
20MOY156	Ag/ off-road	Equipment replacement	1	\$ 65,000.00	Robert Giacomini Dairy, Inc	0.107	0.011	0.006	APCO	Marin
20MOY171	On-road	Equipment replacement	1	\$ 25,000.00	ELG Trucking	0.715	0.094	0.004	APCO	Santa Clara
20MOY180	On-road	Equipment replacement	1	\$ 27,000.00	Salvador Uribe dba/ Don Luis	0.269	0.019	0.001	APCO	Santa Clara
20MOY179	On-road	Equipment replacement	1	\$ 13,000.00	Bayside Building Materials, Inc.	0.360	0.043	0.002	APCO	San Mateo
20MOY166	Ag/ off-road	Equipment replacement	5	\$ 236,560.00	Freixenet Sonoma Caves Inc.	1.028	0.155	0.119	4/3/2019	Sonoma
20SBP169	School bus	CNG Tank Replacement	3	\$ 60,000.00	West County Transportation Agency	0.000	0.000	0.000	APCO	Sonoma
20SBP187	School bus	Equipment replacement	7	\$ 1,437,212.00	Ravenswood City School District	0.388	0.022	0.014	5/1/2019	San Mateo
20MOY181	On-road	Equipment replacement	3	\$ 55,000.00	Zepeda's Trucking	0.533	0.043	0.000	APCO	Alameda
20MOY37	Off-road	Equipment replacement	1	\$ 50,500.00	Sugar City Building Materials Company	0.134	0.020	0.012	APCO	Contra Costa
20MOY160	Ag/ off-road	Equipment replacement	2	\$ 99,900.00	San Antonio Creek Vineyards	0.179	0.027	0.018	APCO	Solano
20MOY182	Marine	Engine replacement	2	\$ 180,000.00	Pacific Pescador LLC (Commercial fishing)	1.171	0.011	0.047	5/1/2019	San Mateo

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Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	Emission Reductions (Tons per year)			Board approval date	County
						NOx	ROG	PM		
20MOY168	On-road	Equipment replacement	1	\$ 45,000.00	Gurwinder Singh	1.214	0.182	0.009	APCO	Alameda
20MOY128	Off-road	Equipment replacement	2	\$ 163,795.00	Coastside Lumber dba South City Lumber & Supply	0.728	0.127	0.029	5/1/2019	San Mateo
20MOY198	Marine	Engine replacement	2	\$ 134,000.00	Amnav Maritime Corporation (Vessel: Sandra Hugh)	0.599	0.054	0.016	5/1/2019	Alameda
20MOY199	Marine	Engine replacement	2	\$ 134,000.00	Amnav Maritime Corporation (Vessel: Revolution)	0.599	0.054	0.016	5/1/2019	Alameda
20SBP165	School bus	Equipment replacement	2	\$ 379,500.00	West County Transportation Agency	0.140	0.006	0.000	5/1/2019	Sonoma
20SBP186	School bus	Equipment replacement	7	\$ 1,352,217.00	Franklin-McKinley School District	0.461	0.030	0.003	5/1/2019	Santa Clara
20MOY77	Off-road	Equipment replacement	1	\$ 73,969.00	Economy Lumber Company of Oakland, Inc.	0.093	0.019	0.002	APCO	Alameda
20MOY192	On-road	Equipment replacement	1	\$ 26,000.00	Anit Kumar (Truck owner/operator)	0.283	0.024	0.000	APCO	Sacramento
20MOY202	Ag/ off-road	Equipment replacement	3	\$ 163,910.00	Clos Du Val Wine Company, Ltd.	0.413	0.058	0.049	6/5/2019	Napa
20MOY188	On-road	Equipment replacement	1	\$ 15,000.00	SK Transportation, Inc.	0.171	0.014	0.000	APCO	Alameda
20MOY183	Ag/ off-road	Equipment replacement	1	\$ 64,805.00	Chappellet Vineyard, LLC	0.131	0.008	0.008	APCO	Napa
20MOY193	Ag/ off-road	Equipment replacement	1	\$ 34,530.00	Domenico J. Carinalli, Jr.	0.111	0.020	0.014	APCO	Sonoma
20MOY191	Ag/ off-road	Equipment replacement	1	\$ 48,000.00	David Vella DBA Dave Vella Vineyard Mgt	0.051	0.005	0.007	APCO	Napa
20MOY196	Ag/ off-road	Equipment replacement	2	\$ 107,225.00	Loma Del Sol Farming, Inc.	0.287	0.045	0.032	6/5/2019	Sonoma
20MOY178	Ag/ off-road	Equipment replacement	1	\$ 53,500.00	Daniel Evans	0.184	0.029	0.017	APCO	Marin
20MOY176	Ag/ off-road	Equipment replacement	1	\$ 65,000.00	Dominus Estate Corporation	0.149	0.011	0.009	APCO	Napa
20MOY195	On-road	Equipment replacement	1	\$ 26,000.00	Dalbir Singh Padda	0.287	0.024	0.000	APCO	San Joaquin
20MOY212	Ag/ off-road	Equipment replacement	1	\$ 41,260.00	Turnbull Wine Cellars	0.109	0.019	0.013	APCO	Napa

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Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	Emission Reductions (Tons per year)			Board approval date	County
						NOx	ROG	PM		
20MOY224	Ag/ off-road	Equipment replacement	2	\$ 71,150.00	ZD Wines, LLC.	0.112	0.006	0.007	APCO	Napa
20MOY215	Ag/ off-road	Equipment replacement	1	\$ 60,000.00	Green & Red Vineyard / Jay Heminway	0.055	0.010	0.008	APCO	Napa
20MOY219	Ag/ off-road	Equipment replacement	4	\$ 189,390.00	Blue House Farm, LLC	0.438	0.052	0.038	TBD	San Mateo
20MOY221	Off-road	Equipment replacement	1	\$ 91,330.00	McKim Corporation	0.280	0.046	0.036	APCO	Santa Clara
20MOY229	Ag/ off-road	Equipment replacement	2	\$ 104,475.00	Palm Drive Vineyards LLC	0.317	0.044	0.027	TBD	Sonoma
20MOY205	Off-road	Equipment replacement	1	\$ 41,550.00	Express Freight System	0.158	0.023	0.000	APCO	Alameda
20MOY228	Off-road	Equipment replacement	2	\$ 330,925.00	Premier Recycle Company	1.602	0.149	0.091	TBD	Santa Clara
20MOY240	Ag/ off-road	Equipment replacement	1	\$ 53,000.00	CCH Ag Services	0.054	0.009	0.007	APCO	Napa
20MOY226	Off-road	Equipment replacement	8	\$ 512,201.00	American Soil Products, Inc.	0.665	0.120	0.027	TBD	Alameda
20MOY225	Off-road	Equipment replacement	1	\$ 65,000.00	Bauer Equipment America, Inc.	0.215	0.016	0.011	APCO	Alameda
20MOY242	On-road	Equipment replacement	9	\$ 1,158,578.00	Santa Clara Valley Transportation Authority	0.722	0.011	0.004	TBD	Santa Clara
20MOY194	On-road	Equipment replacement	1	\$ 40,000.00	Amar Trucking	0.906	0.079	0.006	APCO	Alameda
20SBP185	School bus	Equipment replacement	5	\$ 1,046,490.00	Michael's Transportation Service, Inc.	0.556	0.049	0.004	TBD	Solano
134 Projects			307	\$ 55,547,254.00		109.430	6.969	4.134		

AGENDA 4 - ATTACHMENT 3

Table 1 - Summary of all TFCA approved and eligible projects (evaluated between 7/1/18 and 7/3/19)

Project #	Project Category	Project Description	Award Amount	Applicant Name	Emission Reductions (Tons per year)			Board/APCO Approval Date	CARE Area	County
					NO _x	ROG	PM			
18EV029	LD Infrastructure	Install and operate 16 single port Level 2 (high) charging stations at 1 workplace facility in Los Altos Hills	\$48,000	Creative Center of Los Altos	0.026	0.034	0.001	10/30/18	No	Santa Clara
18EV035	LD Infrastructure	Install and operate 2 dual port Level 2 (high) charging stations at 1 destination facility in Greenbrae	\$8,000	Marin Rowing Association	0.004	0.006	0.000	7/31/18	No	Marin
18EV038	LD Infrastructure	Install and operate 1 single port Level 2 (high) and one 25 kW DC Fast charging stations with solar at 1 transportation corridor facility in Petaluma	\$25,900	Solar Action Network	0.01	0.01	0.00	11/30/18	No	Sonoma
18EV047	LD Infrastructure	Install and operate 4 single port Level 2 (high) charging stations at 1 destination facility in San Mateo	\$12,000	Nazareth Plaza Owners' Association	0.007	0.009	0.000	7/30/18	No	San Mateo
18EV049	LD Infrastructure	Install and operate 12 single-port Level 2 (high) charging stations at 6 destination facilities in San Mateo, Burlingame, San Bruno, and Millbrae	\$36,000	San Mateo Union High School District	0.020	0.025	0.000	7/5/18	No	San Mateo
19EV002	LD Infrastructure	Install and operate 20 dual port level 2 (high) charging stations with solar at 1 destination facility in San Rafael	\$84,000	San Rafael Airport LLC	0.037	0.055	0.001	4/5/19	No	Marin
19EV003	LD Infrastructure	Install and operate two 25kW DC Fast charging stations at 1 transportation corridor facility in San Francisco	\$23,298	Union Investment Real Estate GmbH	0.008	0.012	0.002	4/5/19	Yes	San Francisco
19EV006	LD Infrastructure	Install and operate twenty 50kW DC Fast charging stations at 7 transportation corridor facilities in San Francisco, Novato, Emeryville and San Jose	\$500,000	EVGo Service, LLC	0.168	0.249	0.005	6/5/19	Yes	Multi-County
19EV007	LD Infrastructure	Install and operate 2 dual port & 1 single port level 2 (high) charging stations at 2 destination facilities in Concord	\$11,000	City of Concord	0.005	0.008	0.000	5/7/19	Yes	Contra Costa
19EV009	LD Infrastructure	Install and operate 2 dual port and 1 single port level 2 (high) charging stations at 1 workplace and 1 destination facility in Moraga	\$11,000	Town of Moraga	0.005	0.008	0.000	5/1/19	No	Contra Costa
19EV010	LD Infrastructure	Install and operate 5 dual port and 1 single port level 2 (high) charging stations at 1 workplace facility in Moraga	\$23,000	Saint Mary's College of California	0.011	0.016	0.000	6/5/19	No	Contra Costa
19EV013	LD Infrastructure	Install and operate 1 DC Fast and 1 single-port level 2 (high) charging stations with a 9.1 kW solar array at a transportation corridor in Glen Ellen	\$32,000	Abrahams Farm LLC	0.010	0.015	0.000	5/23/19	No	Sonoma
19R02	LD Vehicles	Vehicle Buy Back Program	\$150,000	BAAQMD	NA	NA	NA	NA	No	Regional
18R14	Bicycle Facilities	Install and maintain 3.62 miles of Class III bikeways in Petaluma	\$48,500	City of Petaluma	0.007	0.009	0.014	8/6/18	No	Sonoma
18R18	Bicycle Facilities	Install and maintain 0.09 miles of Class I and 0.28 miles of Class IV bikeways in Los Gatos	\$242,000	Town of Los Gatos	0.029	0.056	0.039	8/1/18	No	Santa Clara
18R20	Bicycle Facilities	Install and maintain 1.57 miles of Class II bikeways and 23 bike racks (2 bikes per rack)	\$38,000	City of Gilroy	0.008	0.010	0.013	8/22/18	No	Santa Clara
18R21	Bicycle Facilities	Install and maintain 32 electronic bicycle lockers in Danville	\$80,000	Town of Danville	0.012	0.015	0.023	8/7/18	No	Contra Costa
18R22	Bicycle Facilities	Install and maintain 16 electronic bicycle lockers in San Francisco	\$32,000	San Francisco Community College District	0.004	0.006	0.007	8/22/18	No	San Francisco
20R01	Bicycle Facilities	Install and maintain 3.03 miles of Class I and IV bikeways in Vallejo	\$700,000	Solano Transportation Authority	0.022	0.011	0.084	Pending	Yes	Solano
19R01	Trip Reduction	Enhanced Mobile Source & Commuter Benefits Enforcement	\$554,842	BAAQMD	0.722	0.806	1.171	NA	No	Regional
19R03	Trip Reduction	Spare The Air/Intermittent Control Programs	\$2,305,927	BAAQMD	42.952	50.253	67.862	NA	No	Regional
19R10	Trip Reduction	Pleasanton Connector Shuttles	\$80,000	San Joaquin Regional Rail Commission	0.234	0.387	0.647	10/18/18	Yes	Alameda
19R13	Trip Reduction	Juvenile Justice Center/ Fairmont Hospital Shuttle	\$29,700	County of Alameda	0.011	0.040	0.058	10/18/18	Yes	Alameda
19R14	Trip Reduction	PresidiGO Downtown Shuttle	\$100,000	Presidio Trust	0.252	0.352	0.471	11/7/2018	Yes	San Francisco

AGENDA 4 - ATTACHMENT 3

Table 1 - Summary of all TFCA approved and eligible projects (evaluated between 7/1/18 and 7/3/19)

Project #	Project Category	Project Description	Award Amount	Applicant Name	Emission Reductions (Tons per year)			Board/APCO Approval Date	CARE Area	County
					NO _x	ROG	PM			
19R15	Trip Reduction	Caltrain Shuttle Program	\$652,600	Peninsula Corridor Joint Powers Board	2.64	3.66	5.14	11/7/2018	No	Multi-County
19R16	Trip Reduction	ACE Shuttle Bus Program	\$960,000	Santa Clara Valley Transportation Authority	2.43	2.60	4.29	11/7/2018	Yes	Santa Clara
19R17	Trip Reduction	Carpool incentive, vanpool subsidy, Spare the Air messaging and advertising	\$3,000,000	Metropolitan Transportation Commission	NA	NA	NA	5/1/2019	No	Regional
19R18	Trip Reduction	SJSU Ridesharing & Trip Reduction	\$139,500	Associated Students, San Jose State University	0.231	0.266	0.366	11/7/2018	No	Multi-County
19R22	Trip Reduction	Union City Transit Microtransit Pilot	\$663,229	City of Union City - Union City Transit	0.182	0.212	0.304	5/1/2019	No	Alameda
19R23	Trip Reduction	GoTriValley On-Demand Shared-Ride Service	\$257,000	Livermore Amador Valley Transit Authority	0.135	0.135	0.228	5/1/2019	Yes	Alameda
19R25	Trip Reduction	First- and last-mile services to Walnut Creek BART	\$1,448,116	Bay Area Rapid Transit District	0.395	0.398	0.669	5/1/2019	Yes	Contra Costa
TFCA matche funding for RFG projects			\$252,000							
31 Projects			\$12,547,612		50.575	59.664	81.397			

Table 2 - Summary of all RFG approved and eligible projects (evaluated between 7/1/18 and 7/3/19)

Project #	Project Category	Project Description	Award Amount	Applicant Name	Emission Reductions (Tons per year)			Board/APCO Approval Date	CARE Area	County
					NO _x	ROG	PM			
19RFG06*	LD Infrastructure	Install and operate 43 dual port level 2 EV charging stations	\$94,000	Hayward Unified School District	0.054	0.071	0.001	10/17/18	Yes	Alameda
19RFG13	LD Infrastructure	Install and operate ten 50kW DC fast charging stations	\$389,400	EVgo Service, LLC	0.040	0.060	0.001	6/5/19	Yes	Alameda
19RFG04*	Off-road (non-ag)	Purchase and operate 5 electric forklifts, 1 electric vacuum unit, and 1 electric terminal truck	\$141,000	Wyse Logistics	0.107	0.015	0.008	10/17/18	Yes	Alameda
19RFG14	Off-road (non-ag)	Purchase and operate one electric terminal tractor	\$39,400	Oakland Maritime Support Services, Inc.	0.066	0.011	0.007	5/23/19	Yes	Alameda
19RFG15**	Off-road (non-ag)	Purchase and operate six electric yard hostlers	\$600,000	Rail Management Services, LLC	0.375	0.015	0.022	6/5/19	Yes	Alameda
5 Projects			\$1,263,800		0.642	0.172	0.039			

* The award amounts for these Reformulated Gasoline Settlement Fund (RFG) projects exclude a total of \$252,000 in matching TFCA funds, which are listed in Table 1.

** The award amount for this project exceeds funding available and the sixth electric yard hostler is placed on a contingency list and will be considered for award if additional funding becomes available.

Table 3 - Summary of all Commerical Lawn and Garden approved and eligible projects (evaluated between 7/1/18 and 7/3/19)

Project #	Project Category	Project Description	Award Amount	Applicant Name	Emission Reductions (Tons per year)			Board/APCO Approval Date	CARE Area	County
					NO _x	ROG	PM			
CLG2-06*	Commercial Lawn & Garden	Scrap and replace 38 pieces of lawn and garden equipment	\$103,115	University of California, Berkeley	N/A	N/A	N/A	pending	no	Alameda
CLG2-13	Commercial Lawn & Garden	Scrap and replace 6 pieces of lawn and garden equipment	\$10,938	City of Emeryville	N/A	N/A	N/A	4/30/19	yes	Alameda
CLG2-17	Commercial Lawn & Garden	Scrap and replace 7 pieces of lawn and garden equipment	\$77,821	City of Oakland	N/A	N/A	N/A	4/17/19	yes	Alameda
3 Projects			\$191,874		N/A	N/A	N/A			

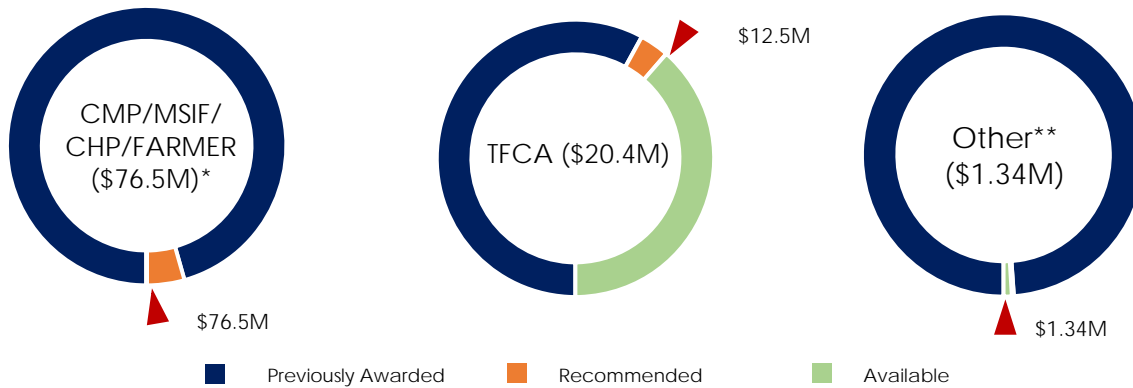
* The award amount for this project consists of \$99,972.90 that was previously awarded and the proposed additional award of \$3,141.10.

AGENDA 4 - ATTACHMENT 4

Figures 1-3 shown below summarize funding awarded between 7/1/18 and 7/3/19 from funding sources including:

- Carl Moyer Program (CMP)
- Community Health Protection Program (CHP)
- Funding Agricultural Replacement Measures for Emission Reductions (FARMER)
- Mobile Source Incentive Fund (MSIF)
- Transportation Fund for Clean Air (TFCA)
- Reformulated Gasoline Settlement Fund (RFG)
- Carbon Offset Fund

Figure 1. Status of FYE2019 funding by source



* Includes awards from FYE 2018
 ** Other includes RFG and Carbon Offset Fund

Figure 2. Funding awarded in FYE2019 by county

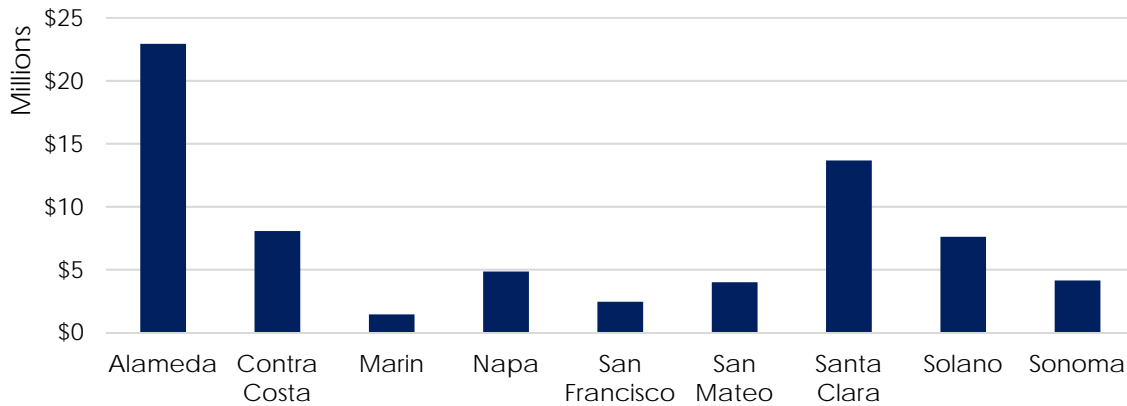
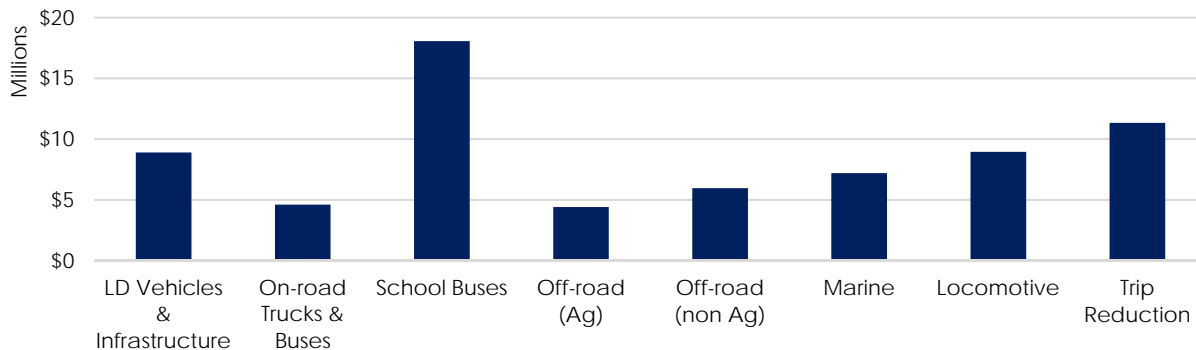


Figure 3. Funding awarded in FYE2019 by project category



AGENDA 4 - ATTACHMENT 4

Figure 4. CMP/MSIF/CHP/FARMER funding awarded since 2009 by county

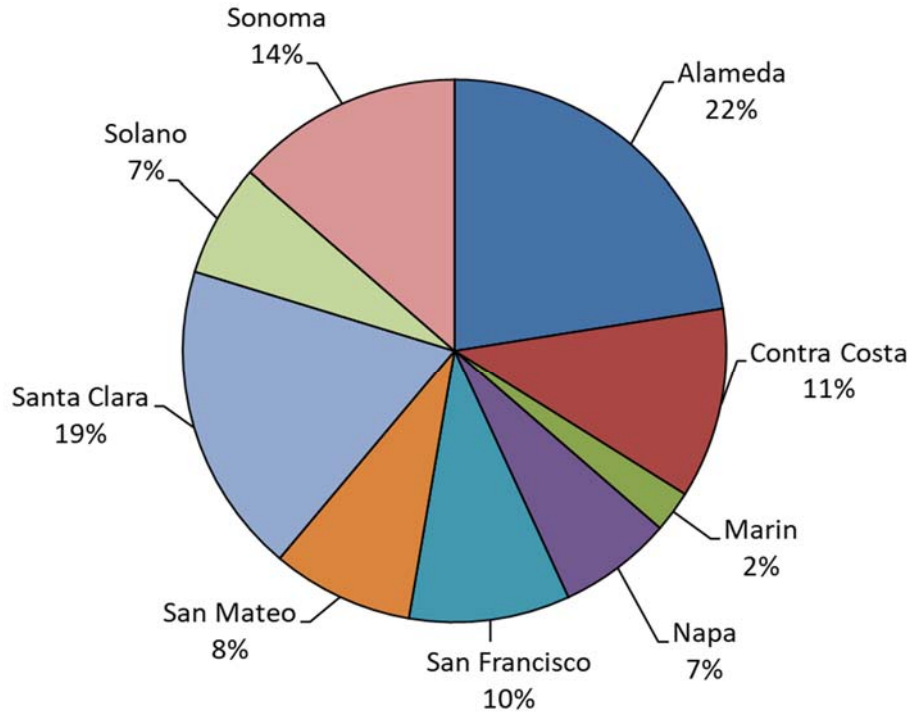
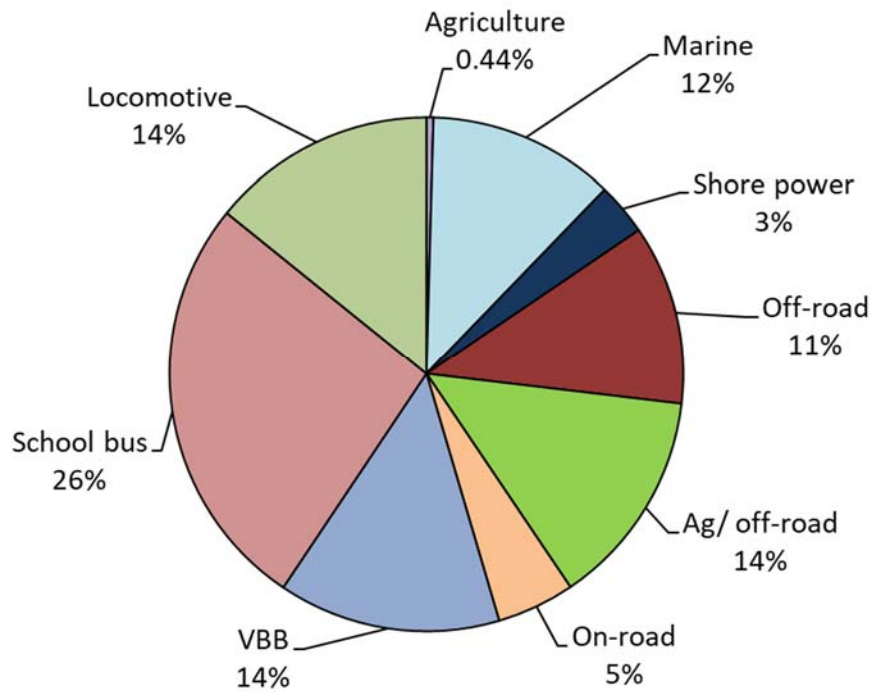


Figure 5. CMP/MSIF/CHP/FARMER funding awarded since 2009 by category



BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Memorandum

To: Chairperson David Canepa and Members
of the Mobile Source Committee

From: Jack P. Broadbent
Executive Officer/APCO

Date: July 16, 2019

Re: Update on the State Truck and Bus Regulation

RECOMMENDED ACTION

None; receive and file.

BACKGROUND

Emissions from mobile sources in the San Francisco Bay Area account for about half of certain criteria air pollutants, including nitrogen oxides, reactive organic gases, and particulate matter, and about 41% of the Greenhouse Gases (GHG) generated in the region¹. Reducing emissions from mobile sources is essential for the attainment of State and Federal ambient air quality standards and meeting State and local GHG reduction goals. State emission regulations on mobile sources are critical to the achieving our air quality and public health objectives.

In December 2008, the California Air Resources Board (CARB) approved the Truck and Bus regulation to significantly reduce Particulate Matter (PM), and oxides of nitrogen (NOx) emissions from diesel vehicles operating in California. The regulation applies to nearly all diesel-fueled trucks and buses weighing more than 14,000 pounds that are privately owned and includes privately and publicly owned school buses. The regulation has different compliance schedules for trucks depending on their weight, age and company fleet size. The regulation requires most trucks to have 2010 model year engines (or newer) by January 1, 2023.

In 2017, Senate Bill 1 added an additional enforcement layer to the state regulation. On January 1, 2020, a new enforcement tool will ensure that vehicles subject to CARB's Truck and Bus Regulation must meet the health-based requirements of the rule prior to obtaining registration through the California Department of Motor Vehicles (DMV). Any registration due after December 31, 2019, is affected. Beginning January 1, 2020, the DMV cannot register any vehicle that does not meet the requirements of the Truck and Bus Regulation. Attachment 1 provides more details on the regulation and DMV registration requirements.

¹ BAAQMD 2017 Clean Air Plan, Emissions Inventory for year 2015.

DISCUSSION

At the Committee meeting, staff will provide an update on the CARB's Truck and Bus Regulation.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: Anthony Fournier
Reviewed by: Damian Breen and Karen Schkolnick

Attachment 1: CARB Fact sheet for the Truck & Bus Regulation and DMV requirement

FREQUENTLY ASKED QUESTIONS

CARB Truck Rule Compliance Required for DMV Registration

Are you ready for 2020?



Starting in 2020, the California Department of Motor Vehicles (DMV) begins compliance verification to ensure that vehicles subject to the California Air Resources Board’s (CARB) Truck and Bus Regulation meet the requirements prior to obtaining DMV registration.

What are the CARB requirements I must meet to ensure that DMV can register my vehicle in 2020?

The Truck and Bus Regulation is currently in effect, and your vehicle must currently meet the compliance deadlines. In 2020, DMV will begin checking compliance with the regulation in order to register your vehicle based on the following schedule:

Lighter Vehicles (14,001 - 26,000 lbs GVWR)	
Vehicle Model Year	DMV Begins Compliance Verification*
2004 and older	January 1, 2020
2005 - 2007	January 1, 2021
2008 - 2010	January 1, 2023

Heavier Vehicles (>26,000 lbs GVWR)	
Vehicle Model Year	DMV Begins Compliance Verification*
2000 and older	January 1, 2020
2001 - 2005	January 1, 2021
2006 - 2007	January 1, 2022
2008 - 2010	January 1, 2023

***You may already be out of compliance and currently subject to DMV registration holds.**

How does my vehicle comply?

You must replace your 2010 or older vehicle (2009 or older engine) based on the Truck & Bus Regulation schedule—OR—be using an allowable compliance option and reporting in the Truck Regulation Upload, Compliance and Reporting System (TRUCRS).

What if I am currently out of compliance with the Truck and Bus Regulation?

CARB can place a DMV registration hold on your vehicle now if it does not meet current regulatory requirements.

Which vehicles are subject to the Truck and Bus Regulation?

The Regulation applies to nearly all diesel-fueled trucks, buses, and school buses with a gross vehicle weight rating (GVWR) greater than 14,000 pounds.

If your vehicle is exempt from another heavy-duty diesel regulation (see below for examples), it is likely subject to the Truck and Bus Regulation.

- Solid waste collection vehicles
- Drayage trucks
- Cargo-handling equipment

If your vehicle is exempt from the Regulation, or has met the regulatory requirements, you will be able to register with the DMV. Reporting fleet and vehicle information to CARB, such as VIN numbers, may be needed to ensure that you are not mistakenly denied registration.



For more information on the Truck and Bus Regulation, compliance options, and funding opportunities, call the Diesel Hotline: 1-866-6DIESEL (1-866-643-3735) or visit: www.arb.ca.gov/truckstop





The Road to 2020: Is Your Vehicle Ready?

*Truck & Bus Regulation compliance scenarios
for Lighter Vehicles (14,001-26,000 lbs GVWR)*

Vehicles subject to the California Air Resources Board's (CARB) Truck and Bus Regulation must meet the health-based requirements of the rule. If you have a vehicle subject to the Truck & Bus Regulation, you must upgrade to a newer, cleaner engine or remove the older vehicle from the fleet. Act now! If you are currently out of compliance, you may be subject to penalties and registration holds now. Starting in 2020, new state law requires the Department of Motor Vehicles (DMV) to automatically deny registration for vehicles that do not meet the requirements of the Regulation.

I own a lighter vehicle that is not reported into the TRUCRS reporting system for a flexibility option and is powered by a 1998 or older model year engine. Is my vehicle compliant with the Regulation?

Your vehicle is currently out of compliance with the Truck and Bus Regulation. You are subject to registration holds and penalties. To avoid enforcement action, you can do one of the following immediately:

- Repower the vehicle with a 2010+ model year engine
- Replace the vehicle with a 2011+ model year vehicle
- Remove the vehicle from the fleet

NOTE: Limited flexibility options may be available. Proof of eligibility will be required.*

I own a lighter vehicle currently in compliance with the Truck and Bus Regulation (using a flexibility option or is a 1999–2009 model year engine). What do I need to do to keep my vehicle in compliance with the Regulation?

These vehicles will be phased out between 2018 and 2023 unless otherwise reported for a flexibility option. Your options are to:

- Repower the vehicle with a 2010+ model year engine by the turnover date
- Replace the vehicle with a 2011+ model year vehicle by the turnover date
- Remove the vehicle from the fleet by the turnover date

Note: Limited flexibility options may be available. Proof of eligibility will be required.*

I own a lighter vehicle that is powered by a 2010 or newer model year engine. Is there anything else I need to do?

You are in full compliance with the Truck and Bus Regulation and no further action is required. However, if the vehicle model year is 2010 you will need to report that information to CARB. These vehicles will be allowed to register with DMV for operation on California roadways.

*Currently, flexibility options may be available for trucks that operate a limited number of miles in California.

For more information on the Truck and Bus Regulation, flexibility options, and funding opportunities, please visit: www.arb.ca.gov/truckstop



The Road to 2020: Is Your Vehicle Ready?

*Truck & Bus Regulation compliance scenarios
for Heavier Vehicles (26,001+ lbs GVWR)*

Vehicles subject to the California Air Resources Board's (CARB) Truck and Bus Regulation must meet the health-based requirements of the rule. If you have a vehicle subject to the Truck & Bus Regulation, you must upgrade to a newer, cleaner engine or remove the older vehicle from the fleet. Act now! If you are currently out of compliance, you may be subject to penalties and registration holds now. Starting in 2020, new State law requires the Department of Motor Vehicles (DMV) to automatically deny registration for vehicles that do not meet the requirements of the Regulation.

I own a heavier vehicle that is not reported into TRUCRS for a flexibility option and is powered by a 1995 or older model year engine without a diesel particulate filter. Is my vehicle compliant with the Regulation?

NOTE: Vehicles with a filter installed and reported into TRUCRS have additional time to comply with upgrade requirements.

Your vehicle is currently out of compliance with the Truck and Bus Regulation. You are subject to registration holds and penalties. To avoid enforcement action, you can do one of the following immediately:

- Repower the vehicle with a 2010+ model year engine
- Replace the vehicle with a 2011+ model year vehicle
- Remove the vehicle from the fleet

NOTE: Limited flexibility options may be available. Proof of eligibility will be required.*

I own a heavier vehicle currently in compliance with the Truck and Bus Regulation (equipped with a retrofit and is a 1996–2009 model year engine). What do I need to do to keep my vehicle in compliance with the Regulation?

These vehicles will be phased out between 2020 and 2023 unless otherwise reported for a flexibility option. Your options are to:

- Repower the vehicle with a 2010+ model year engine by the turnover date
- Replace the vehicle with a 2011+ model year vehicle by the turnover date
- Remove the vehicle from the fleet

NOTE: Limited flexibility options may be available. Proof of eligibility will be required.*

I own a heavier vehicle that is powered by a 2010 or newer model year engine. Is there anything else I need to do?

You are in full compliance with the Truck and Bus Regulation and no further action is required. However, if the vehicle model year is 2010 you will need to report that information to CARB. These vehicles will be allowed to register with DMV for operation on California roadways.

*Currently, flexibility options may be available for trucks that operate a limited number of miles in California.

For more information on the Truck and Bus Regulation, flexibility options, and funding opportunities, please visit: www.arb.ca.gov/truckstop

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Memorandum

To: Chairperson David Canepa and Members
of the Mobile Source Committee

From: Jack P. Broadbent
Executive Officer/APCO

Date: July 16, 2019

Re: Approval of Contract for Clean Cars for All Program Case Managers

RECOMMENDED ACTION

Recommend Board of Directors:

- Authorize the Executive Officer to amend the Air District's contract with GRID Alternatives to include an additional \$300,000 in funds to perform case management services for the Clean Cars for All Program as it expands to all residents of the Bay Area.

BACKGROUND

The Clean Cars for All Program provides incentives for low income households (up to 400% of the Federal Poverty Level) to retire older, high-polluting vehicles and replace them with a newer, cleaner vehicle or with alternative transportation options (e.g. Clipper card). Eligible vehicles for purchase or lease include hybrid electric, plug-in hybrid, or electric vehicles. This program will reduce criteria pollutants and greenhouse gas emissions throughout the Bay Area and support the goal of equitable access to electric vehicles clean transportation.

The Program was launched in March 2019 through an initial grant of \$5 Million (M) from the California Air Resources Board (CARB), through CARB's California Climate Investments (CCI) initiative that puts Cap-and-Trade dollars to work reducing greenhouse gas emissions. On February 6, 2019, the Board of Directors authorized the Air District staff to accept additional funding for Clean Cars for All from CARB through Volkswagen settlement funds. This agreement between the Air District and CARB was finalized in June 2019, providing an additional \$5M over two years. The additional funding allows the Air District to expand the Clean Cars for All program to residents in all Bay Area zip codes, significantly increasing the number of people who are eligible to apply for the program. Five percent of the grant may be used to subcontract with third party entities to address issues associated with participation of low-income consumers in disadvantaged communities

DISCUSSION

GRID Alternatives, headquartered in Oakland, is the country's largest nonprofit providing clean energy solutions to low-income families. GRID Alternatives has over 10 years of experience providing multilingual and multicultural case management support for various grant programs in the Bay Area. GRID Alternatives has expertise in working with low income consumers in disadvantaged communities in the Bay Area.

GRID Alternatives was selected to provide case manager support for the initial launch of the program through CCI funds. GRID Alternatives was selected through a Request for Proposals (RFP # 2018-004) and was approved for a contract by the Board of Directors on August 8, 2018. Since September 2018, GRID Alternatives has been an essential partner to launch the Clean Cars for All program by providing one-on-one assistance to eligible Bay Area residents and organizing outreach events. As the program expands, it will be critical to ensure that the Clean Cars for All program continues to offer support to applicants and conduct outreach throughout the Bay Area.

Based on the initial RFP review process (Attachment 1) and GRID Alternatives' exemplary performance, staff is recommending GRID Alternatives for a contract not to exceed \$300,000 to be case managers for Clean Cars for All in FYE 2020 and FYE 2021.

BUDGET CONSIDERATION/FINANCIAL IMPACT

Funding for this GRID Alternatives contract comes from grant funding from CARB for the Clean Cars for All program and from grant funding from the California Department of Transportation for electric vehicle outreach.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: Tin Le
Reviewed by: Ranyee Chiang

Attachment 1: Summary of Clean Cars for All Request for Proposals and Review

Summary of Clean Cars for All Request for Proposals and Review

Request for Proposals (RFP #2018-004) was released on April 3, 2018 for Applicant Education and Support for Clean Transportation Incentives in Bay Area Disadvantaged Communities. Two proposals were received in response to the RFP from GRID Alternatives and Opus Inspection, Inc.

A panel of four Air District staff, from the Technology Implementation Office, Strategic Incentives Division and Community Engagement Office, and one community representative performed a thorough evaluation of proposals based on the following criteria:

- Expertise – Expertise and experience of the organization and personnel assigned to RFP tasks; organization’s ability to perform and complete the work in a professional and timely manner.
- Approach – Responsiveness of the proposal, based upon a clear understanding of the work to be performed, related challenges, and plans to mitigate those challenges.
- Cost – Cost or cost effectiveness and resource allocation strategy, including completeness and level of detail in budget, percent of administrative and overhead costs, and whether there is cost-share.
- Conflicts of Interest – Conflicts of interest are addressed.
- Organization’s Specialty Focus Area – Local organizations headquartered in the Air District’s jurisdiction and those that are certified as green businesses by a local government agency or independent private rating organization.

The panelists average scores are summarized in Table 1 below:

Table 1. Scoring of Proposals

Criteria	Total Points Possible	GRID Alternatives	Opus Inspection, Inc.
Expertise	30	24.2	21.6
Approach	30	24.4	18.6
Cost	30	25	17.8
Conflicts of Interests	5	4.4	5
Organization’s Specialty Focus Area	5	2.5	0
Total points	100	80.5	63

GRID Alternatives received the highest combined score of 80.5 for their proposal.

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Memorandum

To: Chairperson David Canepa and Members
of the Mobile Source Committee

From: Jack P. Broadbent
Executive Officer/APCO

Date: July 16, 2019

Re: Update on the 32nd International Electric Vehicle Symposium

RECOMMENDED ACTION

None; receive and file.

BACKGROUND

Reducing emissions from mobile sources is essential for attaining State and Federal ambient air quality standards and meeting State and local greenhouse gas reduction goals. Helping to accelerate the transition of the mobile source sector over to zero emission is one of the Bay Area Air Quality Management District's (Air District), key strategies to improve air quality, reduce exposure to toxic air contaminants, and to protect public health and the climate.

The International Electric Vehicle Symposium and Exposition (EVS) series began in 1969 as an academic forum for global networking and the exchange of technical information. Over time the series has evolved and expanded to become the electric transportation industry's premier and largest forum. The event's symposium includes a scientific congress with plenary and technical sessions that convenes representatives from government, industry, and academia and provides a forum for the discussion of public policy and technological innovation needed to support the transition to electric mobility.

The Air District was invited to present a summary of its paper "Accelerating beyond early adopters to achieve equitable and widespread electric vehicle use in the San Francisco Bay Area" at a technical session at the 32nd International Electric Vehicles Symposium (EVS32), that was held May 19, 2019 to May 22, 2019 in Lyon, France.

DISCUSSION

EVS32 was attended by more than 7,400 participants from 65 countries representing auto manufacturers, technology developers, research and academic institutions, and government. The event also included a Ride & Drive event and a large exhibition hall showcasing technologies that are commercially available today and others that are still on drawing boards, from two-wheeled electric bikes and scooters, to fuel cell and battery electric buses and trucks, to charging stations and advanced energy and vehicle to grid integration solutions.

The following messages are the main take-aways from this year's event:

1. The urgency for air quality and climate protection is the primary driver for e-mobility;
2. The barriers and challenges experienced in the Bay Area related to the transition to e-mobility (i.e., limited availability of electric vehicles, high up-front cost of new vehicles, insufficient charging infrastructure to meet demand, etc.) are the same as those experienced globally; and
3. Information exchanges, cooperation, and partnerships are key as the successful adoption of electric vehicles world-wide is essential to achieving our local electric vehicle adoption, air quality and climate goals.

At the Committee meeting, staff will provide an update summarizing conference highlights, lessons learned, and next steps.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: Karen Schkolnick
Reviewed by: Damian Breen