



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

BOARD OF DIRECTORS  
MOBILE SOURCE COMMITTEE

COMMITTEE MEMBERS

DAVID CANEPA – CHAIR  
PAULINE RUSSO CUTTER  
DAVID HUDSON  
KAREN MITCHOFF  
LORI WILSON

TYRONE JUE – VICE CHAIR  
SCOTT HAGGERTY  
LIZ KNISS  
KATIE RICE

**THIS MEETING WILL BE CONDUCTED UNDER PROCEDURES AUTHORIZED BY  
EXECUTIVE ORDER N-29-20 ISSUED BY  
GOVERNOR GAVIN NEWSOM**

- **MEMBERS OF THE COMMITTEE MAY PARTICIPATE BY TELECONFERENCE**
- **THE PUBLIC MAY OBSERVE THIS MEETING THROUGH THE WEBCAST OF THE MEETING BY CLICKING THE LINK AVAILABLE ON THE AIR DISTRICT'S AGENDA WEBPAGE FOR THE MEETING AVAILABLE AT**

**[www.baaqmd.gov/bodagendas](http://www.baaqmd.gov/bodagendas)**

- **PUBLIC COMMENTS ON AGENDA ITEMS AND NON-AGENDA MATTERS FOR THIS MEETING MAY BE SUBMITTED BY EMAIL TO**

**[Comments@baaqmd.gov](mailto:Comments@baaqmd.gov)**

**PLEASE INDICATE THE AGENDA ITEM TO WHICH YOUR EMAILED  
COMMENT IS ADDRESSED**

**EMAILED COMMENTS WILL BE CONSIDERED DURING THE MEETING**

**WEDNESDAY  
MARCH 25, 2020  
12:30 P.M.**

## **AGENDA**

**1. CALL TO ORDER - ROLL CALL**

**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.*

*This meeting will be webcast. To see the webcast, please visit [www.baaqmd.gov/bodagendas](http://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.*

***Email Comment on Agenda Items:** The public may comment on each item on the agenda. Email Comments for items on the agenda must be submitted to [Comments@baaqmd.gov](mailto:Comments@baaqmd.gov) prior to the Committee taking up the particular item and indicate the agenda item to which the comment relates. Emailed comments will be considered as the agenda item is taken up by the Committee. Emailed comments containing 250 words or less will be read aloud by staff. Emailed comments exceeding 250 words may be summarized during the meeting, if feasible.*

**Staff/Phone (415) 749-**

**2. APPROVAL OF THE MINUTES OF FEBRUARY 27, 2020**

**Clerk of the Boards/5073**

*The Committee will consider approving the attached draft minutes of the Mobile Source Committee meeting of February 27, 2020.*

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

**K. Schkolnick/5070**

**[kscholnick@baaqmd.gov](mailto:kscholnick@baaqmd.gov)**

*The Committee will consider recommending Board of Directors approve the Carl Moyer Program projects requesting grant funding in excess of \$100,000 and authorizing the Executive Officer/APCO to execute grant agreements for the recommended projects.*

4. **FISCAL YEAR ENDING (FYE) 2021 TRANSPORTATION FUND FOR CLEAN AIR PROGRAM (TFCA) FUNDING ALLOCATION**

**K. Schkolnick/5070**

[kschkolnick@baaqmd.gov](mailto:kschkolnick@baaqmd.gov)

*The Committee will consider recommending Board of Directors approve the recommendation for proposed funding allocation of new TFCA revenues for FYE 2021 and cost-effectiveness limits for Air District-sponsored TFCA programs and projects.*

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

*Emailed comments indicating the comment pertains to non-agenda matters will be considered under this item. Emailed comments containing 250 words or less will be read aloud by staff. Emailed comments exceeding 250 words may be summarized during the meeting, if feasible.*

6. **COMMITTEE MEMBER COMMENTS**

*Any member of the Committee, 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)*

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

*Thursday, April 23, 2020, Bay Area Air Quality Management District Office, 375 Beale Street, San Francisco, California 94105 at 9:30 a.m.*

8. **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](mailto:vjohnson@baaqmd.gov)

**(415) 749-4941**  
**FAX: (415) 928-8560**  
**BAAQMD homepage:**  
[www.baaqmd.gov](http://www.baaqmd.gov)

- 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](http://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](mailto: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 MEETINGS

#### MARCH 2020

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Advisory Council Special Meeting - PM Symposium - CANCELLED	Tuesday	24	9:00 a.m.	Webcast only pursuant to Executive Order N-29-20
Board of Directors Legislative Committee - CANCELLED	Wednesday	25	10:30 a.m.	Webcast only pursuant to Executive Order N-29-20
Board of Directors Mobile Source Committee	Wednesday	25	12:30 p.m.	Webcast only pursuant to Executive Order N-29-20
Board of Directors Budget & Finance Committee	Wednesday	25	1:30 p.m.	Webcast only pursuant to Executive Order N-29-20
Board of Directors Ad Hoc Committee on Equity & Environmental Justice	Wednesday	25	3:00 p.m.	Webcast only pursuant to Executive Order N-29-20
Board of Directors Mobile Source Committee – CANCELLED AND RESCHEDULED TO WEDNESDAY, MARCH 25, 2020 AT 12:30 P.M.	Thursday	26	9:30 a.m.	Webcast only pursuant to Executive Order N-29-20

#### APRIL 2020

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Regular Meeting	Wednesday	1	9:30 a.m.	Webcast only pursuant to Executive Order N-29-20
Board of Directors Personnel Committee	Friday	3	9:30 a.m.	Webcast only pursuant to Executive Order N-29-20
Board of Directors Ad Hoc Building Oversight Committee	Wednesday	15	9:00 a.m.	1st Floor Board Room
Board of Directors Regular Meeting	Wednesday	15	9:30 a.m.	1st Floor Board Room
Board of Directors Climate Protection Committee	Thursday	16	9:30 a.m.	1st Floor Board Room
Board of Directors Budget & Finance Committee	Wednesday	22	9:30 a.m.	1 <sup>st</sup> Floor, Yerba Buena Room #109
Board of Directors Legislative Committee	Wednesday	22	10:30 a.m.	1 <sup>st</sup> Floor, Yerba Buena Room #109
Board of Directors Stationary Source Committee	Wednesday	22	12:00 p.m.	1 <sup>st</sup> Floor, Yerba Buena Room #109
Board of Directors Mobile Source Committee	Thursday	23	9:30 a.m.	1st Floor Board Room

**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: March 19, 2020

Re: Approval of the Minutes of February 27, 2020

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RECOMMENDED ACTION

Approve the attached draft minutes of the Mobile Source Committee (Committee) meeting of February 27, 2020.

DISCUSSION

Attached for your review and approval are the draft minutes of the Committee meeting of February 27, 2020.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Marcy Hiratzka  
Reviewed by: Vanessa Johnson

Attachment 2A: Draft Minutes of the Committee Meeting of February 27, 2020

# AGENDA: 2A – ATTACHMENT

Draft Minutes – Mobile Source Committee Meeting of February 27, 2020

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, February 27, 2020

### 1. CALL TO ORDER – ROLL CALL

Mobile Source Committee (Committee) Chairperson, David Canepa, called the meeting to order at 9:31 a.m.

Present: Chairperson David Canepa; Vice Chair Tyrone Jue; and Directors Scott Haggerty, David Hudson, Liz Kniss, Katie Rice.

Absent: Director Pauline Russo Cutter, Karen Mitchoff, and Lori Wilson.

Also Present: Board Chairperson Rod Sinks.

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

No requests received.

### 3. APPROVAL OF THE MINUTES OF DECEMBER 18, 2019

#### Public Comments

No requests received.

#### Committee Comments

None.

Committee Action

Director Hudson made a motion, seconded by Vice Chair Jue, to **approve** the Minutes of December 18, 2019; and the motion carried by the following vote of the Committee:

AYES: Canepa, Hudson, Jue, Rice, Sinks.  
NOES: None.  
ABSTAIN: None.  
ABSENT: Cutter, Haggerty, Kniss, Mitchoff, Wilson.

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

Karen Schkolnick, Strategic Incentives Division Director, introduced Hannah Cha, Staff Specialist, who gave the staff presentation *Projects and Contracts with Proposed 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; Reformulated Gasoline Settlement Fund (RFG); Transportation Fund for Clean Air (TFCA) recommendations over \$100,000 and TFCA match funds; status of incentive funding awarded since July 2019 by funding source; funds recommended and awarded since July 2019 by project category and county; status of solicitations; and recommended actions.

NOTED PRESENT: Director Kniss was noted present at 9:38 a.m. and Director Haggerty was noted present at 9:39 a.m.

Public Comments

No requests received.

Committee Comments

The Committee and staff discussed the comparison between the cost of school, versus transit, bus projects; whether the Air District plans to request an increase to the California vehicle license fee; which funding sources may be allocated for public electric vehicle (EV) charging infrastructure; comparison of awarded funds by county; outreach methods of the Air District’s various grant programs; the cost-effectiveness of awarding school bus engine projects; and the Air District’s anticipation of a new statewide trend in where buses with 2010 model year engines will begin to be replaced with zero-emissions models.



Committee Action

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

AYES: Canepa, Haggerty, Hudson, Jue, Kniss, Rice, Sinks.  
NOES: None.  
ABSTAIN: None.  
ABSENT: Cutter, Mitchoff, Wilson.

**5. PARTICIPATION IN YEAR 22 OF THE CARL MOYER PROGRAM**

Ms. Schkolnick introduced Adam Shapiro, Supervising Staff Specialist, who gave the staff presentation *Participation in Year 22 of the Carl Moyer Program*, including: overview; CMP and MSIF; CMP Year 22 funding; and recommended actions.

Public Comments

No requests received.

Committee Comments

The Committee and staff discussed whether the Air Pollution Control Officer’s current level of grant contract approval authority should be increased to exceed \$100,000, and the request to bring an analysis and recommendations on this topic back to the Committee.

Committee Action

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

AYES: Canepa, Haggerty, Hudson, Jue, Rice, Sinks.  
NOES: None.  
ABSTAIN: None.  
ABSENT: Cutter, Kniss, Mitchoff, Wilson.

**6. NEW CLEAN CARS FOR ALL PROGRAM FUNDING**

Anthony Fournier, Technology Implementation Officer, introduced Deanna Yee, Acting Staff Specialist, who gave the staff presentation *Clean Cars for All Program*, including: overview; background: project milestones, Clean Cars for All program, incentive amounts, and outreach; application trends; geographic distribution; grantee income and ethnicity; new funding; and recommended actions.

Public Comments

No requests received.

### Committee Comments

The Committee and staff discussed a request for a list of the 36 participating dealerships; how unspent funds from the California Air Resources Board’s (CARB) 2016 Clean Cars 4 All program allocation were sent back to CARB in Fiscal Year 2018-2019 for subsequent distribution to air district programs; whether the Air District first purchases the vehicles that are sold to the Bay Area Clean Cars for All program grantees; the methodology by which grants are calculated, and suggested modifications to the existing award process; solutions for applicants with low credit scores, and the concern that the Air District may be associated with predatory lending practices and interest rates for grantees with lower credit scores; whether the vehicles being sold in this program can be used as “last mile” connectors for individuals using public transit; the concern that the Air District is required to use CalEnviroScreen when identifying disadvantaged communities, and the request that the Air District take immediate legislative action to utilize different tools to make this determination; the request for specific examples of grants that were awarded in the Bay Area; the fact that this is still a pilot program, geared toward serving disadvantaged communities, despite the program having been extended to the greater Bay Area in October 2019; funding sources that can help sustain the program; the level of interest and status of the Clipper Card award in this program and the request for updates on the potential bike incentive voucher program; lessons learned thus far, and how local jurisdictions can promote this program; and whether language access has proved to be an obstacle for potential applicants.

### Committee Action

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

AYES: Canepa, Haggerty, Hudson, Jue, Kniss, Rice, Sinks.  
NOES: None.  
ABSTAIN: None.  
ABSENT: Cutter, Mitchoff, Wilson.

## **7. AIR DISTRICT GRANT PROGRAM OVERVIEW**

Damian Breen, Deputy Air Pollution Control Officer, introduced Ms. Schkolnick, who gave the staff presentation *Air District Grant Programs Overview*, including: overview; air pollution and grant revenue sources; funds awarded in 2019 by project type; 2019 projects awarded off-road, on-road, trip reduction, and other; funds awarded in 2019 by county and estimated emissions reductions; historical trends: grant funds awarded 2011-2019 and funding awarded 2015-2019; path the Diesel Free by ‘33 and results from 2011-2019; projected grant revenues for Calendar Year 2020; and 2020 grant program priorities.

### Public Comments

No requests received.

Committee Comments

The Committee and staff discussed speculation of the current status/future of hydrogen vehicles (all classifications); the types of lawn and garden projects that the Air District has awarded in the “Off-Road Vehicles and Equipment” category, and the amount of emissions that are generated by lawn and garden equipment in the Bay Area; whether CARB is focusing on off-road vehicle and equipment improvements; and whether Air District staff should advocate for making funds available for appliance exchange programs.

Committee Action

None; receive and file.

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

No requests received.

**9. COMMITTEE MEMBER COMMENTS**

Director Haggerty requested data indicating the geographic location of the registered participants of the Air District’s 2020 Youth for the Environment and Sustainability (YES) Conference.

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

Thursday, March 26, 2020, Bay Area Air Quality Management District Office, 375 Beale Street, San Francisco, California 94105 at 9:30 a.m.

**11. ADJOURNMENT**

The meeting adjourned at 11:07 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: March 19, 2020

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

**RECOMMENDED ACTIONS**

Recommend the 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 nitrogen oxides (NO<sub>x</sub>), 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. On February 6, 2019, the Board of Directors (Board) authorized Air District participation in Year 21 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 2017, Assembly Bill (AB) 617 directed 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 \$50 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 within the Bay Area. Senate Bill (SB) 856 (2018) continued support for these project types and appropriated \$245 million from the GGRF statewide, of which \$40 million was awarded to the Air District for Bay Area emission reduction projects. On April 3, 2019, the Board authorized the Air District to accept, obligate, and expend SB 856 grant funding. These funds can be used to implement projects under the Community Health Protection grant program, CMP, and optionally on-road truck replacements under the Proposition 1B Goods Movement Emission Reduction Program.

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 that are awarded to the designated County Program Manager (CPM) in each of the nine counties within the Air District's jurisdiction.

On April 3, 2019, the Board authorized funding allocations for use of the sixty percent of the TFCA revenue in Fiscal Year Ending (FYE) 2020, cost-effectiveness limits for Air District-sponsored FYE 2020 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 5, 2019, the Board adopted policies and evaluation criteria for the FYE 2020 TFCA Regional Fund program.

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 and accepts grant funding from various sources to reduce emissions within the Air District's jurisdiction. Under the terms of an executed contract between the Air District and Foundation, Air District staff administer grant programs and revenues awarded to the Foundation. On December 5, 2017, the Foundation entered into a contract with the Reformulated Gas Settlement Fund (RFG) administrators to receive approximately \$1.3 million in funding for a program to accelerate the adoption of zero- and near-zero-emission equipment and vehicles operating in and around the West Oakland community.

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, the Board, and other funding agencies.

## DISCUSSION

### **Carl Moyer Program and Community Health Protection Grant Program:**

For the CMP Year 21 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 21 funding cycle on June 17, 2019. Applications are accepted and evaluated on a first-come, first-served basis.

As of March 5, 2020, the Air District had received 151 project applications. Of the applications that have been evaluated between February 6, 2020 and March 5, 2020, two eligible projects have proposed grant awards over \$100,000. One project will replace two diesel marine engines and the other will increase the amount of funds awarded to a project previously approved in 2019, that will replace seven diesel school buses with electric school buses and infrastructure (net increase in award by ~\$152,000). These two projects will reduce over 1.18 tons of NO<sub>x</sub>, ROG, and PM per year. Staff recommends the allocation of \$1,686,235 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 March 5, 2020, including information about equipment category, award amounts, estimated emissions reductions, and county location. Approximately 74% 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 the CMP, MSIF, and Community Health Protection Grant Program funding since 2009 (more than \$302 million awarded to 1,275 projects).

### **Transportation Fund for Clean Air Program:**

For FYE 2020, the Air District had approximately \$32 million in TFCA monies for eligible projects and programs. The Air District opened the FYE 2020 Vehicle Trip Reduction Program and started accepting applications on August 9, 2019. As of March 5, 2020, the Air District had received 21 project applications for the Vehicle Trip Reduction Program.

Of the applications evaluated between February 6, 2020 and March 5, 2020, there were not any proposed grant awards over \$100,000. Attachment 3, Table 1, lists all eligible TFCA projects that have been evaluated and awarded between July 1, 2019 – March 5, 2020, including information about project category, award amount, estimated emissions reduction, and county location. Approximately 40% of the funds have been awarded to projects that reduce emissions in highly impacted Bay Area communities.

## **Reformulated Gas Settlement Fund Program:**

Under contract with the Foundation, the Air District has been administering the West Oakland Zero-Emission Grant Program, and approximately \$1.17 million in RFG funding has been awarded to eligible projects that reduce petroleum usage and air pollution in West Oakland and nearby communities surrounding the Port of Oakland.

There are no new proposed grant awards of RFG monies for project applications requesting over \$100,000 that were evaluated between February 6, 2020 and March 5, 2020. Attachment 3, Table 2, lists all eligible RFG projects that were evaluated between July 1, 2018 and March 5, 2020, including information about equipment category, award amount, estimated emissions reduction, and county location.

### BUDGET CONSIDERATION / FINANCIAL IMPACT

None. The Air District distributes the CMP, MSIF, Community Health Protection Grant Program, TFCA, and RFG funding to project sponsors 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 and Linda Hui  
Reviewed by: Karen Schkolnick and Chengfeng Wang

- 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 and RFG Approved and Eligible Projects
- Attachment 4: Summary of Funding Awarded Between 7/1/19 and 3/5/20

### AGENDA 3 - 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 2/6/20 and 3/5/20)

Project #	Applicant name	Project Category	Project Description	Proposed contract award	Total project cost	Emission Reductions (Tons per year)			County
						NO <sub>x</sub>	ROG	PM	
<b>21MOY147</b>	Sophia Fisheries, Inc.	Marine	Replacement of 2 diesel marine engines	\$ 182,000	\$ 228,994	0.656	0.006	0.024	San Mateo
<b>20SBP186</b>	Franklin-McKinley School District	School bus	Replacement of 7 diesel buses with electric buses and infrastructure. (Increase of ~\$152k from 5/1/19 approval)	\$ 1,504,235	\$ 2,528,013	0.461	0.030	0.003	Santa Clara
<b>2 Projects</b>				<b>\$ 1,686,235</b>	<b>\$ 2,757,007</b>	<b>1.117</b>	<b>0.036</b>	<b>0.027</b>	



## AGENDA 3 - ATTACHMENT 2

*CMP/MSIF, FARMER and Community Health Protection Grant Program approved projects  
(between 7/3/19 and 3/5/20)*

Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	Emission Reductions (Tons per year)			Board approval date	County
						NOx	ROG	PM		
20MOY230	Ag/ off-road	Equipment replacement	1	\$ 16,965.00	Cornerstone Certified Vineyard	0.024	0.019	0.006	APCO	Sonoma
20MOY235	Ag/ off-road	Equipment replacement	1	\$ 46,690.00	Goldridge Pinot, LLC dba Emeritus Vineyards	0.170	0.026	0.019	APCO	Sonoma
20MOY241	Ag/ off-road	Equipment replacement	3	\$ 129,500.00	Linda Pierce Wedemeyer Exemption Trust	0.217	0.039	0.021	10/2/2019	Solano
21MOY9	On-road	Equipment replacement	1	\$ 60,000.00	Prime Tank Lines, LLC	0.802	0.060	0.005	APCO	Contra Costa
20MOY248	On-road	Equipment replacement	1	\$ 40,000.00	Amritpal Tindh (Truck owner/operator)	0.604	0.052	0.000	APCO	Alameda
21MOY1	On-road	Equipment replacement	1	\$ 40,000.00	Freight 99 Express, Inc. (Truck owner/operator)	0.280	0.024	0.000	APCO	Alameda
20MOY86	On-road	Equipment replacement	1	\$ 25,000.00	Sears Keith (Truck owner/ operator)	0.195	0.016	0.000	APCO	Sacramento
20MOY150	On-road	Equipment replacement	1	\$ 40,000.00	Sukhjeet Singh Cheema (Truck owner/ operator)	0.667	0.057	0.000	APCO	San Joaquin
21SBP2	School bus	Equipment replacement	1	\$ 178,500.00	Campbell Union School District	0.064	0.005	0.000	10/2/2019	Santa Clara
20MOY227	On-road	Equipment replacement	1	\$ 30,000.00	JSK Trucking (Truck owner/ operator)	0.193	0.016	0.000	APCO	San Joaquin
20MOY239a	On-road	Equipment replacement	1	\$ 30,000.00	DNA Trucking, Inc.	0.252	0.021	0.000	APCO	Solano
20MOY239b	On-road	Equipment replacement	1	\$ 20,000.00	DNA Trucking, Inc.	0.203	0.017	0.000	APCO	Solano
20MOY245a	On-road	Equipment replacement	1	\$ 60,000.00	Jorge Quintero DBA QDS Transportation	1.271	0.097	0.008	APCO	Alameda
20MOY245b	On-road	Equipment replacement	1	\$ 60,000.00	QDS Transportation	0.817	0.061	0.005	APCO	Alameda
20MOY245c	On-road	Equipment replacement	1	\$ 60,000.00	Ignacio Quintero (Truck owner/ operator)	0.900	0.068	0.005	APCO	Alameda
20MOY82	On-road	Equipment replacement	1	\$ 35,000.00	Surinder Atwal (Truck owner/ operator)	0.258	0.022	0.000	APCO	Sacramento

## AGENDA 3 - ATTACHMENT 2

Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	Emission Reductions (Tons per year)			Board approval date	County
						NOx	ROG	PM		
20MOY232	On-road	Equipment replacement	1	\$ 40,000.00	Mahmoud Rastegar DBA: Prosper Dedicates Lines	0.452	0.039	0.000	APCO	Placer
20MOY218	On-road	Infrastructure	1	\$ 13,717.00	Penske Truck Leasing Co., L.P.	0.000	0.000	0.000	APCO	Alameda/ San Francisco
21MOY28	Ag/ off-road	Equipment replacement	1	\$ 63,850.00	Bains Farms LLC.	0.082	0.014	0.010	APCO	Solano
21MOY17	Ag/ off-road	Equipment replacement	1	\$ 43,350.00	Sweet Lane Nursery and Vineyards, Inc.	0.041	0.009	0.008	APCO	Sonoma
21MOY23	Ag/ off-road	Equipment replacement	2	\$ 86,100.00	Trefethen Farming, LLC	0.178	0.043	0.034	APCO	Napa
20MOY250	Marine	Engine replacement	4	\$ 1,288,000.00	Amnav Maritime Corporation (Vessel: Patricia Ann)	8.609	0.270	0.476	10/2/2019	Alameda
21MOY31	Ag/ off-road	Equipment replacement	1	\$ 185,400.00	Gerald & Kristy Spaletta (Dairy)	0.566	0.074	0.052	10/2/2019	Sonoma
21MOY25	On-road	Equipment replacement	1	\$ 49,500.00	J and A Trucking, Inc.	1.350	0.202	0.010	APCO	Alameda
21MOY21	Ag/ off-road	Equipment replacement	4	\$ 249,600.00	Renteria Vineyard Management, LLC	0.790	0.121	0.089	10/2/2019	Napa
21MOY41	Ag/ off-road	Equipment replacement	2	\$ 81,750.00	Geoffrey Allen (Nursery)	0.105	0.030	0.012	APCO	San Mateo
21MOY30	Ag/ off-road	Equipment replacement	2	\$ 67,100.00	Jaswant S. Bains (Farmer)	0.289	0.044	0.025	APCO	Solano
21MOY33	Off-road	Equipment replacement	2	\$ 355,500.00	S.E.G Trucking	1.044	0.074	0.052	10/2/2019	Contra Costa
21MO12	On-road	Equipment replacement	1	\$ 30,000.00	Oscar Transport/ Oscar Rivera (Truck owner/ operator)	0.401	0.034	0.000	APCO	Alameda
21MOY34	Ag/ off-road	Equipment replacement	2	\$ 456,200.00	Custom Tractor Service	2.260	0.211	0.115	10/2/2019	Sonoma
21MOY14	Ag/ off-road	Equipment replacement	5	\$ 198,850.00	Bayview Vineyards Corp.	0.826	0.164	0.090	10/2/2019	Napa
21MOY47	Ag/ off-road	Equipment replacement	1	\$ 151,000.00	DeBernardi Dairy, Inc.	0.438	0.040	0.022	10/2/2019	Sonoma
21MOY51	Marine	Engine replacement	4	\$ 2,916,000.00	Crowley Marine Services	43.259	4.409	1.420	10/2/2019	Alameda

## AGENDA 3 - ATTACHMENT 2

Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	Emission Reductions (Tons per year)			Board approval date	County
						NOx	ROG	PM		
21MOY36	Off-road	Equipment replacement	1	\$ 78,500.00	John Benward Co.	0.564	0.028	0.021	APCO	Sonoma
20MOY217	Off-road	Portable equipment replacement	1	\$ 863,500.00	Oakland Pallet Co., Inc.	2.577	0.215	0.076	10/2/2019	Alameda
20SBP246	School bus	Equipment replacement	2	\$ 179,020.00	Newark Unified School District	0.037	0.002	0.000	10/2/2019	Alameda
21MOY46	Off-road	Equipment replacement	6	\$ 772,500.00	Bigge Crane and Rigging Company	4.210	0.435	0.254	10/2/2019	Alameda
21MOY37	On-road	Equipment replacement	1	\$ 30,000.00	Joginder Singh (Truck owner/ operator)	0.392	0.033	0.000	APCO	Alameda
21MOY19	Ag/ off-road	Equipment replacement	3	\$ 127,400.00	Nissen Vineyard Services, Inc.	0.487	0.088	0.066	11/20/2019	Napa
21MOY56	Ag/ off-road	Equipment replacement	1	\$ 21,550.00	Groth Vineyards and Winery, LLC	0.047	0.038	0.010	APCO	Napa
21MOY54	Ag/ off-road	Equipment replacement	1	\$ 31,100.00	Siebert Vineyards	0.079	0.012	0.007	APCO	Sonoma
21MOY53	Ag/ off-road	Equipment replacement	1	\$ 63,150.00	St. Supery, Inc.	0.159	0.025	0.019	APCO	Napa
21MOY59	Off-road	Equipment replacement	1	\$ 167,500.00	Concrush, Inc.	0.696	0.065	0.037	11/20/2019	Solano
21MOY64	Ag/ off-road	Equipment replacement	1	\$ 170,250.00	Achadinha Cheese, Inc.	1.546	0.171	0.097	11/20/2019	Sonoma
21MOY50	On-road	Equipment replacement	1	\$ 25,000.00	Bal transport, Inc.	0.464	0.033	0.000	APCO	Alameda
21MOY73	Ag/ off-road	Equipment replacement	2	\$ 153,695.00	Robert Giacomini Dairy, Inc.	0.276	0.040	0.023	11/20/2019	Marin
21MOY60	Marine	Engine replacement	2	\$ 276,000.00	Bass Tub Fishing	0.489	0.000	0.026	11/20/2019	Contra Costa
21MOY71	Marine	Engine replacement	2	\$ 3,814,000.00	Foss Maritime	15.352	1.518	0.504	11/20/2019	Contra Costa
21SBP77	School bus	Equipment replacement	16	\$ 3,478,697.00	Mt. Diablo Unified School District	1.040	0.075	0.005	11/20/2019	Contra Costa
20MOY103	Marine	Engine replacement	2	\$ 130,000.00	Westar Marine Services	0.221	-0.007	0.014	11/20/2019	San Francisco

## AGENDA 3 - ATTACHMENT 2

Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	Emission Reductions (Tons per year)			Board approval date	County
						NOx	ROG	PM		
21MOY61	Off-road	Equipment replacement	6	\$ 811,875.00	Amazon Recycling and Disposal, Inc.	3.679	0.584	0.369	11/20/2019	Alameda
20SBP23	School bus	Equipment replacement	2	\$ 373,861.00	Sonoma Valley Unified School District - Increase of ~\$12k from 3/6/19 approval.	0.131	0.009	0.001	11/20/2019	Sonoma
21MOY65	Ag/ off-road	Equipment replacement	2	\$ 140,440.00	Simoni & Massoni Farms, LLC	0.695	0.103	0.064	11/20/2019	Contra Costa
21MOY43	On-road	Equipment replacement	1	\$ 30,000.00	Narwal Trucking, Inc.	0.210	0.018	0.000	APCO	Sacramento
21MOY66	On-road	Equipment replacement	1	\$ 15,000.00	Kapil Kumar (Truck owner/ operator)	0.136	0.011	0.000	APCO	Sacramento
21MOY69	Ag/ off-road	Equipment replacement	1	\$ 51,580.00	Anselmo Farms, LLC	0.121	0.024	0.014	APCO	Solano
21MOY67	On-road	Equipment replacement	1	\$ 40,000.00	Gurchetan Johal (Truck owner/ operator)	0.294	0.025	0.000	APCO	Sacramento
21MOY85	On-road	Equipment replacement	1	\$ 10,000.00	W&D Wholesale Foods, INC.	0.271	0.032	0.014	APCO	San Francisco
21MOY48a	On-road	Equipment replacement	1	\$ 40,000.00	Gonzalez Pallets, Inc.	0.827	0.072	0.006	APCO	Santa Clara
21MOY48b	On-road	Equipment replacement	1	\$ 40,000.00	Gonzalez Pallets, Inc.	0.874	0.076	0.006	APCO	Santa Clara
21MOY48c	On-road	Equipment replacement	1	\$ 40,000.00	Gonzalez Pallets, Inc.	0.666	0.057	0.005	APCO	Santa Clara
21MOY48d	On-road	Equipment replacement	1	\$ 40,000.00	Gonzalez Pallets, Inc.	0.763	0.066	0.005	APCO	Santa Clara
21MOY83	On-road	Equipment replacement	1	\$ 45,000.00	DJ Trucking Enterprise, Inc.	0.366	0.048	0.002	APCO	Monterey
21MOY82	Ag/ off-road	Equipment replacement	1	\$ 58,600.00	Andrews Vineyards	0.118	0.025	0.018	APCO	Solano
21SBP32	School bus	CNG Tank replacement	2	\$ 40,000.00	Newark Unified School District	0.000	0.000	0.000	APCO	Alameda
21MOY87	On-road	Equipment replacement	1	\$ 40,000.00	Gurjit S. Mann (Truck owner/ operator)	0.654	0.057	0.000	APCO	Alameda
21MOY8	Ag/ off-road	Equipment replacement	1	\$ 57,300.00	Garry Mahrt (Dairy and sheep farm)	0.093	0.009	0.005	APCO	Sonoma
21MOY27	Ag/ off-road	Equipment replacement	1	\$ 60,350.00	Four Seasons Vineyard Management	0.130	0.007	0.007	APCO	Sonoma

## AGENDA 3 - ATTACHMENT 2

Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	Emission Reductions (Tons per year)			Board approval date	County
						NOx	ROG	PM		
21MOY72	Ag/ off-road	Equipment replacement	2	\$ 93,380.00	Napa Second Generation. Inc. (Vineyard management)	0.423	0.053	0.042	APCO	Sonoma
21MOY88	Ag/ off-road	Equipment replacement	1	\$ 118,940.00	Ghiggeri and Stonebarger, LLC	0.708	0.086	0.056	1/29/2020	Contra Costa
20MOY238	Off-road	Equipment replacement	3	\$ 59,280.00	CLY Incorporated dba Point Pacific Drilling	1.263	0.177	0.113	APCO	Sonoma
21MOY94	On-road	Equipment replacement	1	\$ 30,000.00	Jaskaran Dhillon (Truck owner/ operator)	0.232	0.019	0.000	APCO	Sutter
21MOY93	On-road	Equipment replacement	1	\$ 40,000.00	Simon Andemichael (Truck owner/ operator)	0.303	0.026	0.000	APCO	Alameda
21MOY105	On-road	Equipment replacement	1	\$ 20,000.00	Brar Bros Trucking (Gurlal Singh)	0.935	0.123	0.040	APCO	Alameda
21MOY74	On-road	Equipment replacement	1	\$ 20,000.00	AT Produce (Abraham Torres)	0.424	0.061	0.025	APCO	Stockton
21MOY84	On-road	Equipment replacement	1	\$ 30,000.00	Lenaco Corporation	0.406	0.047	0.021	APCO	San Mateo
21MOY96	On-road	Equipment replacement	1	\$ 20,000.00	Ng's Group Transportation, Inc.	0.420	0.061	0.024	APCO	San Mateo
21MOY57	On-road	Equipment replacement	2	\$ 174,400.00	Summit Steel Works Corporation	0.071	0.004	0.000	3/4/2020	Santa Clara
21MOY108	On-road	Equipment replacement	1	\$ 26,750.00	Ontrack Moving, LLC	0.393	0.026	0.003	APCO	Alameda
21MOY107	Ag/ off-road	Equipment replacement	2	\$ 111,195.00	Olive Tree Farm	0.179	0.020	0.016	3/4/2020	Sonoma
21MOY115	Ag/ off-road	Equipment replacement	2	\$ 279,120.00	F.A. Maggiore & Sons, LLC	0.707	0.086	0.053	3/4/2020	Contra Costa
21MOY122	Ag/ off-road	Equipment replacement	1	\$ 38,625.00	TMR Wine Company, LLC	0.047	0.005	0.006	APCO	Napa
21MOY111	Ag/ off-road	Equipment replacement	1	\$ 52,624.00	Haire Management Co. LLC	0.164	0.111	0.018	APCO	Napa
21MOY112	Ag/ off-road	Equipment replacement	2	\$ 83,700.00	Walnut Grove Partnership	0.257	0.052	0.025	APCO	Solano
21MOY128	Ag/ off-road	Equipment replacement	1	\$ 56,510.00	Bob Balestra (Vineyard)	0.173	0.022	0.015	APCO	Solano
21MOY100	Marine	Engine replacement	2	\$ 354,000.00	Golden Gate Scenic Steamship Corp.	0.898	0.000	0.048	3/4/2020	San Francisco

## AGENDA 3 - ATTACHMENT 2

Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	Emission Reductions (Tons per year)			Board approval date	County
						NOx	ROG	PM		
21MOY110	On-road	Equipment replacement	1	\$ 40,000.00	Ahsan Trucking	0.662	0.056	0.000	APCO	Alameda
21MOY124	Ag/ off-road	Equipment replacement	1	\$ 60,545.00	Perry Kozlowski Ranch	0.047	0.012	0.009	APCO	Sonoma
21MOY126	Ag/ off-road	Equipment replacement	2	\$ 77,250.00	T and M Agricultural Services, LLC	0.160	0.029	0.025	APCO	Napa
21MOY125	Marine	Engine replacement	4	\$ 3,056,000.00	Baydelta Navigation LTD	33.696	4.427	1.237	3/4/2020	San Francisco
21SBP98	School bus	Equipment replacement	2	\$ 323,778.00	Palo Alto Unified School District	0.094	0.006	0.005	3/4/2020	Santa Clara
21SBP114	School bus	Equipment replacement	4	\$ 1,672,500.00	Santa Clara Unified School District	0.440	0.041	0.004	3/4/2020	Santa Clara
21MOY79	Marine	Engine replacement	2	\$ 112,000.00	Westar Marine Services	0.259	0.001	0.014	3/4/2020	San Francisco
21SBP75	School bus	Equipment replacement	14	\$ 3,080,000.00	West County Transportation Agency	1.186	0.088	0.000	3/4/2020	Sonoma
21MOY130	On-road	Equipment replacement	1	\$ 50,000.00	HS_Trucking	0.758	0.056	0.005	APCO	Alameda
21MOY147	Marine	Engine replacement	2	\$ 182,000.00	Sophia Fisheries, Inc.	0.656	0.006	0.024	tbd	San Mateo
20SBP186	School bus	Equipment replacement	7	\$ 1,504,235.00	Franklin-McKinley School District (Increase of \$152k from 5/1/19)	0.461	0.030	0.003	tbd	Santa Clara
<b>97 Projects</b>			<b>189</b>	<b>\$ 31,230,272.00</b>		<b>152.692</b>	<b>16.103</b>	<b>5.989</b>		

### AGENDA 3 - ATTACHMENT 3

Table 1 - Summary of all TFCFA approved and eligible projects (evaluated between 7/1/19 and 3/5/20)

Project #	Project Category	Project Description	Award Amount	Applicant Name	Emission Reductions (Tons per year)			Board/ APCO Approval Date	CARE Area	County
					NO <sub>x</sub>	ROG	PM			
19EV006	LD Infrastructure	Install and operate 20 DC fast charging stations at 7 transportation corridor facilities in San Francisco, Novato, Emeryville, and Santa Clara	\$500,000	EVgo Services, LLC	0.268	0.103	0.021	7/3/19	Yes	Multi-County
19EV015	LD Infrastructure	Install and operate 5 dual-port level 2 (low) and 3 single-port level 2 (high) charging stations at 3 public transit parking facilities in Albany and Oakland	\$21,500	Metropolitan Transportation Commission	0.010	0.015	0.000	12/20/19	Yes	Alameda
19EV016	LD Infrastructure	Install and operate 7 dual-port level 2 (low) charging stations at a workplace facility in Napa	\$17,500	County of Napa	0.008	0.012	0.000	10/2/19	No	Napa
19EV017	LD Infrastructure	Install and operate 2 single-port level 2 (high) charging stations with a 17.28 kW solar array at a destination facility in Richmond	\$12,000	AHAH, LLC	0.003	0.004	0.000	7/2/19	Yes	Contra Costa
19EV019	LD Infrastructure	Install and operate 18 single-port and 54 dual-port level 2 (high) charging stations at 8 workplace facilities in San Rafael	\$270,000	San Rafael City Schools	0.124	0.185	0.004	1/29/20	Yes	Marin
19EV020	LD Infrastructure	Install and operate 16 single-port level 2 (high) charging stations at a multi-dwelling unit facility in San Francisco	\$37,648	One Rincon Hill Association	0.015	0.022	0.000	10/30/19	Yes	San Francisco
19EV021	LD Infrastructure	Install and operate 14 single-port level 2 (high) and 1 single-port level 2 (low) charging stations at 4 workplace, 2 multi-dwelling unit, and 1 transit parking facilities in Richmond	\$55,500	City of Richmond	0.020	0.030	0.001	11/15/19	Yes	Contra Costa
19EV022	LD Infrastructure	Install and operate 2 single-port level 2 (high) charging stations at 1 multi-dwelling unit facility in Palo Alto	\$14,000	W-K Arastradero, LLC	0.003	0.004	0.000	8/28/19	No	Santa Clara
19EV023	LD Infrastructure	Install and operate 3 dual-port level 2 (high) charging stations at a multi-dwelling unit facility in San Mateo	\$24,000	Mode Residences, LLC	0.006	0.008	0.000	7/31/19	No	San Mateo
19EV025	LD Infrastructure	Install and operate 2 dual-port level 2 (high) charging stations at a multi-dwelling unit facility in Campbell	\$16,000	Revere Residences, LLC	0.004	0.006	0.000	9/3/19	Yes	Santa Clara
19EV033	LD Infrastructure	Install and operate 5 dual-port level 2 (high) charging stations at a workplace facility in Napa	\$20,000	City of Napa	0.009	0.014	0.003	8/14/19	No	Napa
19EV034	LD Infrastructure	Install and operate 2 single-port level 2 (high) and 24 dual-port Level 2 (high) charging stations at 1 workplace facility in Milpitas	\$78,000	View, Inc.	0.036	0.053	0.001	8/20/19	No	Santa Clara
19EV035	LD Infrastructure	Install and operate 3 single-port level 2 (high) charging stations at 1 multi-dwelling unit facility in Hayward	\$10,313	Edward D. Kellar dba Windsor Arms	0.006	0.009	0.000	10/30/19	Yes	Alameda
19EV038	LD Infrastructure	Install and operate 4 dual port and 3 single-port level 2 (high) charging stations at 1 destination facility in Santa Clara	\$25,000	City of Santa Clara	0.012	0.017	0.000	10/9/19	Yes	Santa Clara
19EV042	LD Infrastructure	Install and operate 12 dual-port level 2 (high) charging stations at 6 workplace and 1 multi-dwelling unit facilities in Corte Madera, Sunnyvale, Fairfield, Pleasanton, and San Ramon	\$57,000	Cool Earth Solar Development	0.022	0.033	0.001	10/22/19	Yes	Multi-County
19EV046	LD Infrastructure	Install and operate 18 single-port level 2 (high) charging stations at 2 destination facilities in San Francisco	\$36,594	Imperial Parking (U.S.), LLC dba Impark	0.019	0.028	0.001	10/29/19	Yes	San Francisco
19EV048	LD Infrastructure	Install and operate 7 dual-port level 2 (high) and 2 DC fast charging stations at a workplace facility in Santa Clara	\$64,000	Roche Molecular Systems, Inc.	0.030	0.044	0.001	9/30/19	Yes	Santa Clara
19EV050	LD Infrastructure	Install and operate 5 dual-port Level 2 (high) charging stations at 4 multi-dwelling unit facilities in Rohnert Park and Santa Rosa	\$40,000	Warm Springs Realty Holdings, LLC	0.009	0.014	0.003	9/6/19	No	Sonoma
19EV052	LD Infrastructure	Install and operate 2 dual-port level 2 (low) and 1 single-port level 2 (high) charging stations at 1 multi-dwelling unit facility in San Ramon	\$17,200	Bollinger Crest Apartment Investors, LP	0.004	0.006	0.000	11/19/19	No	Contra Costa
19EV056	LD Infrastructure	Install and operate 4 single-port level 2 (high) charging stations at 1 multi-dwelling unit facility in Oakland	\$10,000	Uptown Place Homeowner's Association	0.002	0.003	0.000	9/24/19	Yes	Alameda
19EV057	LD Infrastructure	Install and operate 8 single-port and 28 dual-port level 2 (high) charging stations at 3 workplace facilities in Atherton and Redwood City	\$99,000	Redwood City School District	0.046	0.068	0.001	9/3/19	No	San Mateo
19EV062	LD Infrastructure	Install and operate 8 single port level 2 (high) charging stations at 1 multi-dwelling unit facility in Cupertino	\$23,752	19608 Pruneridge Ave (Cupertino), LLC	0.014	0.021	0.000	12/5/19	No	Santa Clara
19EV063	LD Infrastructure	Install and operate 8 dual-port level 2 (high) charging stations at 2 workplace facilities in Milpitas	\$32,000	City of Milpitas	0.015	0.022	0.004	9/10/19	No	Santa Clara
19EV064	LD Infrastructure	Install and operate 10 single-port level 2 (high) charging stations at 5 workplace facilities in Pleasanton, Walnut Creek, San Jose, and Fremont	\$30,000	JKL Corporation	0.014	0.020	0.000	10/18/19	Yes	Multi-County
19EV065	LD Infrastructure	Install and operate 606 single-port level 2 (high) and 6 DC fast charging stations at 18 multi-dwelling unit and workplace facilities in San Francisco, San Jose, Walnut Creek, Palo Alto, Sunnyvale, Belmont, Oakland and Livermore	\$2,500,000	PowerFlex Systems, LLC	0.881	1.309	0.026	10/2/19	Yes	Multi-County
19EV068	LD Infrastructure	Install and operate 3 dual-port level 2 (high) charging stations at 1 workplace facility in Burlingame	\$12,000	Aperia Technologies Inc.	0.006	0.008	0.000	10/29/19	No	San Mateo
19EV070	LD Infrastructure	Install and operate 4 single-port level 2 (high) charging stations at a destination facility in San Francisco	\$12,000	Hornblower Cruises and Events	0.006	0.008	0.000	11/3/19	Yes	San Francisco
19EV072	LD Infrastructure	Install and operate 4 single-port level 2 (high) charging stations with a 16.7 kW solar array at a workplace facility in Sonoma	\$16,000	Sweazey Property Investments, LLC	0.006	0.008	0.000	10/18/19	No	Sonoma
19EV076	LD Infrastructure	Install and operate 15 single-port Level 2 (high) and 1 DC fast charging stations at 1 multi-dwelling unit facility in Milpitas	\$123,000	Milpitas - District 1 Associates, LLC	0.029	0.043	0.001	11/19/19	No	Santa Clara

Project #	Project Category	Project Description	Award Amount	Applicant Name	Emission Reductions (Tons per year)			Board/ APCO Approval Date	CARE Area	County
					NO <sub>x</sub>	ROG	PM			
19EV077	LD Infrastructure	Install and operate 40 DC fast charging stations at 8 transportation corridor facilities in San Ramon, San Mateo, Newark, San Francisco, Millbrae, Cupertino, Castro Valley, and Emeryville	\$1,000,000	EVgo Services, LLC	0.336	0.499	0.010	10/2/19	Yes	Multi-County
19EV079	LD Infrastructure	Install and operate 3 single-port level 2 (high) charging stations at a multi-dwelling unit facility in Campbell	\$21,000	Brentwood Campbell, LLC dba Brentwood Apartments	0.005	0.007	0.000	11/19/19	Yes	Santa Clara
19EV080	LD Infrastructure	Install and operate 3 single-port level 2 (high) charging stations at a multi-dwelling unit facility in Campbell	\$21,000	Lyon NC Portfolio Investors, LLC dba Lyon Pebble Creek Apartments, LLC	0.005	0.007	0.000	12/5/19	No	Santa Clara
19EV081	LD Infrastructure	Install and operate 3 single-port level 2 (high) charging stations at a multi-dwelling unit facility in Campbell	\$21,000	Pruneyard West, LLC dba Pruneyard West Apartments	0.005	0.007	0.000	11/19/19	Yes	Santa Clara
19EV082	LD Infrastructure	Install and operate 3 single port level 2 (high) charging stations at a multi-dwelling unit facility in Campbell	\$21,000	Lyon NC Portfolio Investors, LLC dba Lyon Shadow Creek Apartments, LLC	0.005	0.007	0.000	12/5/19	Yes	Santa Clara
19EV083	LD Infrastructure	Install and operate 3 single-port level 2 (high) charging stations at a multi-dwelling unit facility in Mountain View	\$21,000	Lyon NC Portfolio Investors, LLC dba Lyon Maplewood Apartments, LLC	0.005	0.007	0.000	12/5/19	No	Santa Clara
20R02	LD Vehicles	Vehicle Buy Back Program	\$150,000	BAAQMD	N/A	N/A	N/A	NA	No	Regional
20R09	Bicycle Facilities	Install 0.2 miles of Class I bikeway in San Ramon	\$390,000	City of San Ramon	0.012	0.018	0.041	11/20/19	Yes	Contra Costa
20R11	Bicycle Facilities	Install 1.58 miles of Class IV bikeway in Los Gatos	\$293,900	Town of Los Gatos	0.010	0.015	0.029	1/29/20	No	Santa Clara
20R12	Bicycle Facilities	Install and maintain 20 electronic bicycle lockers at San Francisco General Hospital	\$34,000	San Francisco Department of Public Health	0.004	0.005	0.009	11/21/19	Yes	San Francisco
20R15	Bicycle Facilities	Install 0.26 miles of Class IV bikeway in San Leandro	\$220,000	City of San Leandro	0.008	0.009	0.024	1/29/20	Yes	Alameda
20R17	Bicycle Facilities	Install and maintain 80 electronic bicycle lockers in Belmont, Redwood City, Mountain View, Sunnyvale, and San Jose	\$200,000	Peninsula Corridor Joint Powers Board	0.043	0.048	0.130	11/20/19	Yes	Multi-County
20R19	Bicycle Facilities	Install and maintain a bike station with 270 new secure bike parking spaces in Oakland	\$675,000	San Francisco Bay Area Rapid Transit District	0.072	0.095	0.237	11/20/19	Yes	Alameda
20R21	Bicycle Facilities	Install 518 bike rack parking spaces in 8 schools in Palo Alto	\$38,800	Palo Alto Unified School District	0.028	0.061	0.041	11/21/19	No	Santa Clara
20R22	Bicycle Facilities	Install and maintain 20 electronic bicycle lockers at the Berkeley Marina Mall	\$50,000	City of Berkeley	0.006	0.008	0.018	11/20/19	Yes	Alameda
20R23	Bicycle Facilities	Install and maintain 44 electronic bicycle lockers at the El Cerrito and San Leandro BART Stations	\$110,000	San Francisco Bay Area Rapid Transit District	0.015	0.018	0.044	1/29/20	Yes	Multi-County
20R27	Bicycle Facilities	Install and maintain 36 electronic bicycle lockers at the Seaplane Lagoon Ferry Terminal, Harbor Ferry Terminal, and Alameda City Hall	\$88,000	City of Alameda	0.013	0.017	0.042	3/4/20	Yes	Alameda
20R26	On-road Trucks & Buses	Purchase and operate one battery-electric shuttle	\$13,500	California State University - Maritime Academy	0.005	0.003	0.001	10/2/19	Yes	Solano
19RFG20*	On-road Trucks & Buses	Purchase and operate two electric terminal tractors	\$29,780	CASS, Inc.	0.174	0.001	0.001	3/4/20	Yes	Alameda
20R01	Trip Reduction	Enhanced Mobile Source & Commuter Benefits Enforcement	\$80,230	BAAQMD	N/A	N/A	N/A	NA	No	Regional
20R03	Trip Reduction	Spare The Air/Intermittent Control Programs	\$2,185,138	BAAQMD	N/A	N/A	N/A	NA	No	Regional
20R06	Trip Reduction	PresidiGo Downtown Shuttle	\$120,000	Presidio Trust	0.129	0.206	0.429	11/20/19	Yes	San Francisco
20R08	Trip Reduction	Pleasanton Connector Shuttles	\$80,000	San Joaquin Regional Rail Commission	0.202	0.285	0.772	11/20/19	Yes	Alameda
20R10	Trip Reduction	Caltrain Shuttle Program	\$485,000	Peninsula Corridor Joint Powers Board	1.893	2.280	5.292	11/20/19	No	Multi-County
20R13	Trip Reduction	Cupertino On-Demand Shuttle Pilot Program	\$423,000	Santa Clara Valley Transportation Authority (VTA)	0.122	0.134	0.308	11/20/19	No	Santa Clara
20R18	Trip Reduction	SJSU Ridesharing & Trip Reduction	\$111,000	Associated Students, San Jose State University	0.154	0.162	0.372	1/29/20	Yes	Multi-County
20R20	Trip Reduction	Rideshare to Transit in San Mateo County	\$300,000	City/County Association of Governments of San Mateo County	0.126	0.123	0.313	3/4/20	No	San Mateo
20R25	Trip Reduction	ACE Shuttle Bus Program	\$949,000	Santa Clara Valley Transportation Authority	1.254	1.276	3.450	3/4/20	Yes	Santa Clara
19RFG21†	School Bus	Purchase and operate 15 battery-electric school buses	\$276,200	Zūm Services, Inc.	0.111	0.006	0.029	3/4/20	Yes	Alameda
20RSB01‡	School Bus	Match funding for Project #21SBP98 and #21SBP114 for the replacement of 6 diesel/CNG school buses with battery electric school buses	\$681,052	BAAQMD	N/A	N/A	N/A	3/4/20	No	Santa Clara
<b>Total</b>	<b>59 Projects</b>		<b>\$13,262,607</b>		<b>6.361</b>	<b>7.418</b>	<b>11.663</b>			

\* The award amount is in addition to \$102,390 in RFG funds.

† The award amount is in addition to \$173,800 in RFG funds.

‡ In addition to \$1,996,278 in state funds, this TFCA award amount includes \$513,500 to Project #21SBP98 and \$167,552 to Project #21SBP114.



Table 2 - Summary of all RFG approved and eligible projects (evaluated between 7/1/18 and 3/5/20)

Project #	Project Category	Project Description	Award Amount	Applicant Name	Emission Reductions (Tons per year)			Board/ APCO Approval Date	CARE Area	County
					NO <sub>x</sub>	ROG	PM			
19RFG04 <sup>*</sup>	Off-road (non-ag)	Purchase and operate 3 electric forklifts and one electric terminal truck	\$40,200	Wyse Logistics	0.097	0.013	0.006	10/17/18	Yes	Alameda
19RFG06 <sup>†</sup>	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 10 50kW DC fast charging stations	\$389,400	EVgo Service, LLC	0.040	0.060	0.001	6/5/19	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
19RFG16	Off-road (non-ag)	Purchase and operate one electric terminal tractor	\$80,000	GSC Logistics, Inc.	0.051	0.002	0.003	8/29/19	Yes	Alameda
19RFG18	Off-road (non-ag)	Purchase and operate 5 electric vehicles	\$21,300	Another Corporate ISP LLP DBA Monkeybrains	0.001	0.001	0.002	10/30/19	Yes	Alameda
19RFG19	Off-road (non-ag)	Purchase and operate one electric terminal tractor	\$80,000	Oakland Pallet Co.	0.097	0.001	0.003	10/30/19	Yes	Alameda
19RFG20 <sup>‡</sup>	On-road Trucks & Buses	Purchase and operate 2 electric terminal tractors	\$102,390	CASS, Inc.	0.597	0.005	0.005	3/4/20	Yes	Alameda
19RFG21 <sup>§</sup>	School Bus	Purchase and operate 15 battery-electric school buses	\$173,800	Züm Services, Inc.	0.070	0.004	0.018	3/4/20	Yes	Alameda
<b>Total</b>	<b>9 Projects</b>		<b>\$1,020,490</b>		<b>1.073</b>	<b>0.167</b>	<b>0.047</b>			

\* The award amount is in addition to \$80,000 in TFCA funds.

† The award amount is in addition to \$172,000 in TFCA funds.

‡ The award amount is in addition to \$29,780 in TFCA funds.

§ The award amount is in addition to \$276,200 in TFCA funds.

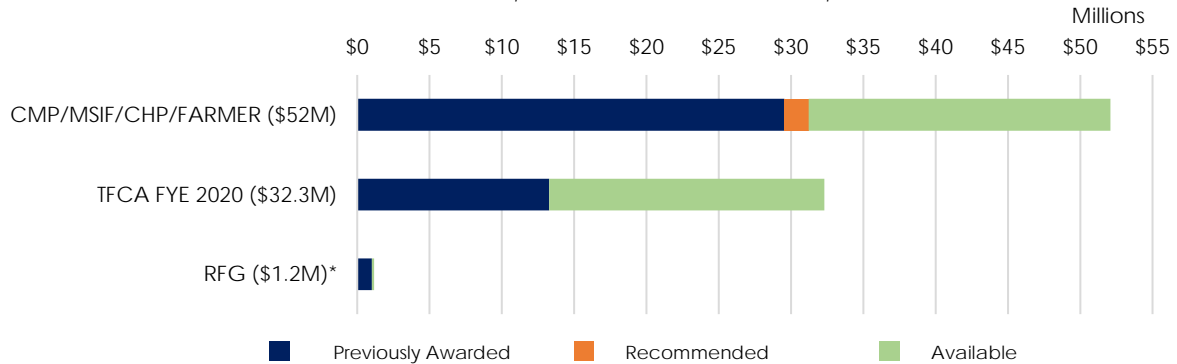
# AGENDA 3 - ATTACHMENT 4

Figures 1-3 summarize funding awarded from the following revenue sources:

- 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)

**Figure 1. Status of FYE 2020 funding by source**

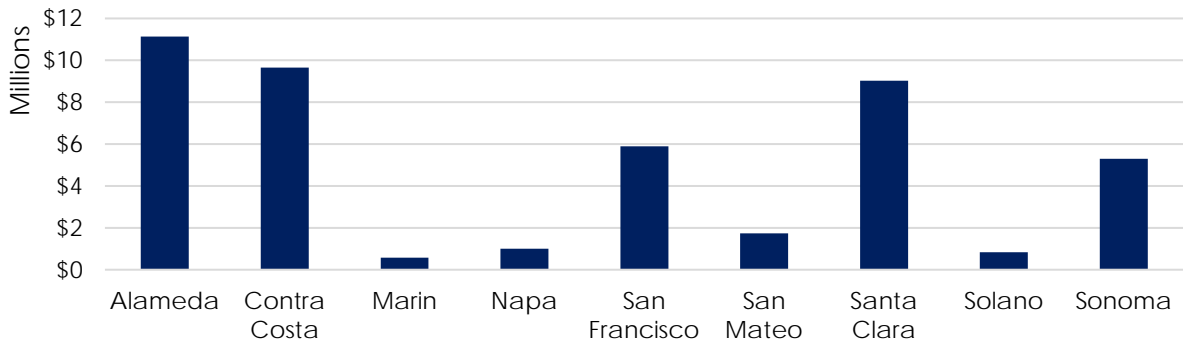
includes funds awarded, recommended for award, and available



\* Includes funding awarded in FYE 2019 for RFG projects

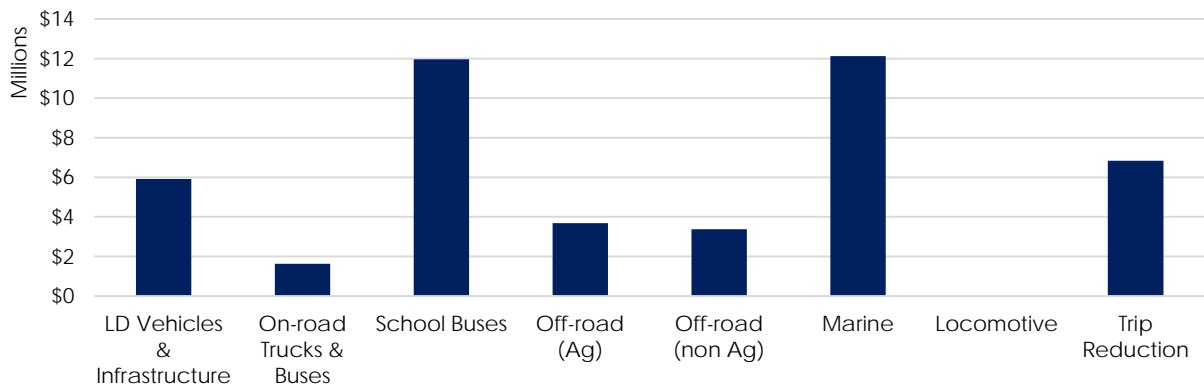
**Figure 2. Funding awarded in FYE 2020 by county:**

includes funds awarded & recommended for award



**Figure 3. Funding awarded in FYE 2020 by project category**

includes funds awarded & recommended for award



## AGENDA 3 - ATTACHMENT 4

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

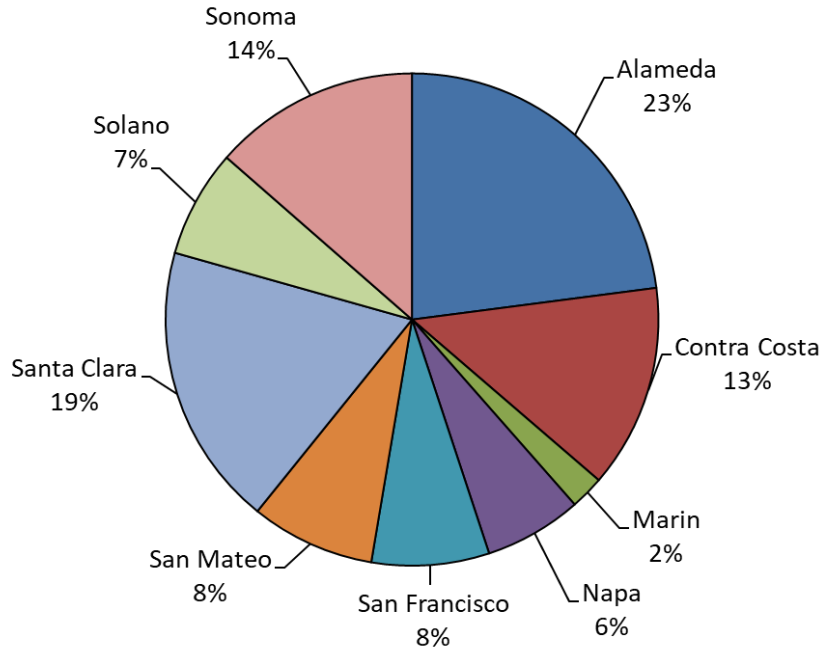
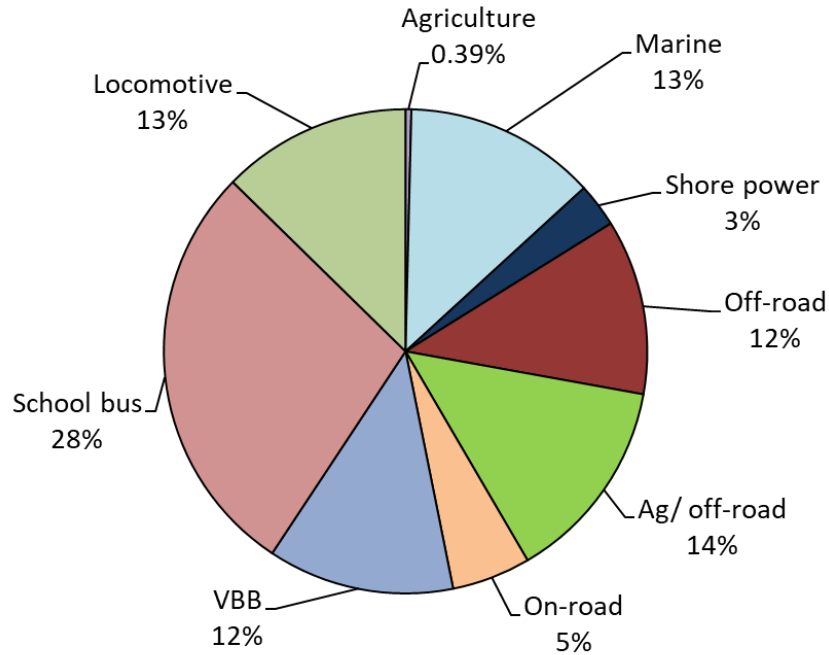


Figure 5. CMP/MSIF/CHP/FARMER funding awarded since 2009 by category



**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: March 19, 2020

Re: Fiscal Year Ending (FYE) 2021 Transportation Fund for Clean Air (TFCA) Funding  
Allocation

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**RECOMMENDED ACTIONS**

Recommend the Board of Directors:

1. Approve the proposed allocation of the estimated new TFCA monies to the programs and projects listed in Table 1;
2. Authorize the proposed cost-effectiveness limits for the Air District-sponsored programs and projects listed in Table 2; and
3. Authorize the Executive Officer/APCO to enter into funding agreements and contracts up to \$100,000 for projects and programs listed in Table 1.

**BACKGROUND**

The approximately six million on-road motor vehicles, including cars, trucks, and buses, in the Bay Area account for more than 40% of the criteria air pollutants and about 36% of greenhouse gases (GHG) emissions in the region<sup>1, 2</sup>. These on-road motor vehicles constitute the most significant sources of air pollution in the Bay Area, including unhealthy levels of ozone (summertime "smog") and particulate matter. For this reason, emissions reductions from the on-road transportation sector are essential to attaining state and federal ambient air quality standards and meeting the region's GHG reduction commitments.

In 1991, the California State Legislature authorized the Bay Area Air Quality Management District (Air District) to impose a \$4 surcharge on motor vehicles registered in 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 TFCA and requirements of the program are set forth in California Health and Safety Code (HSC) Sections 44241 and 44242. Each year, the Air District's Board of

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<sup>1</sup> BAAQMD, [Bay Area Emissions Inventory Summary Report: Criteria Air Pollutants Base Year 2011](#), May 2014.

<sup>2</sup> BAAQMD, [Bay Area Emissions Inventory Summary Report: Greenhouse Gases Base Year 2011](#), January 2015.

Directors (Board) allocates funding and adopts cost-effectiveness criteria that govern expenditure of TFCA funding and maximize emissions reductions and public health benefits.

TFCA provides financial incentives to Bay Area public agencies, private entities, and residents to help offset a portion of the cost to implement eligible projects that reduce emissions from on-road motor vehicles. Sixty percent of TFCA funds are awarded by the Air District to eligible projects and programs that are implemented directly by the Air District (e.g., Spare the Air) and to a program referred to as the TFCA Regional Fund. The remaining forty percent (40%) of TFCA funds are passed-through to the County Program Manager Fund based on each county’s proportionate share of vehicle registration fees paid and is awarded by the nine designated agencies within the Air District’s jurisdiction.

This report discusses the proposed allocation of the sixty percent portion of the TFCA monies that will be available in FYE 2021 for distribution by the Air District and the proposed updates to the cost-effectiveness limits for the Air District-sponsored TFCA-funded programs and projects.

## DISCUSSION

In developing this recommendation, staff considered input received from stakeholders along with factors such as the commercial availability, regulatory requirements, and cost-effectiveness of clean air vehicle technologies and trip reduction strategies. Staff assessed eligible incentive program options to identify the most effective strategies at reducing on-road motor vehicle criteria emissions in the region to help achieve criteria and GHG emissions reduction goals outlined in both the Air District’s 2017 Clean Air Plan and Diesel Free by ‘33 initiative.

For FYE 2021, approximately \$13.63 million in new TFCA monies will be available for distribution by the Air District for programs and projects, approximately \$1.80 million will be available to cover administrative and audit expenses. Staff is recommending that the \$13.63 million in new TFCA monies be allocated to the program categories listed below in Table 1.

**Table 1 - Proposed Programs and TFCA Funding Allocation for FYE 2021 (in Millions)**

Program Categories	(A)	(B)	(C)
	Estimated New TFCA Monies	Estimated Carryover	Estimated Total Funds Available in FYE 2021*
<b>Trip Reduction</b>	\$4.89	\$3.11	\$8.00
<b>Clean Air Vehicles</b>	\$6.00	\$9.00	\$15.00
<b>Spare the Air</b>	\$2.29	\$0.00	\$2.29
<b>Enhanced Mobile Source &amp; Commuter Benefits Enforcement</b>	\$0.15	\$0.00	\$0.15
<b>Vehicle Buy Back</b>	\$0.30	\$0.00	\$0.30
<b>Total Funding Available for Projects and Programs:</b>	<b>\$13.63</b>	<b>\$12.11</b>	<b>\$25.74</b>
<b>Admin &amp; Audit<sup>†</sup></b>	\$1.80	\$0.00	\$1.80
<b>Total Funding</b>	<b>\$15.42</b>	<b>\$12.11</b>	<b>\$27.53</b>

<sup>†</sup> HSC Section 44233 authorized up to 6.25% of projected revenues can be used for administrative costs.

\* In the event a program category is undersubscribed, the Executive Officer/APCO may reallocate up to 20% of each program category's allocation to other categories based on demand, cost-effectiveness, and technology availability.

The estimate for new revenue shown in column A is based on the amount of Department of Motor Vehicles (DMV) revenue actually received in 2018 and 2019. Column B shows how the approximate \$12.11 million in carryover funds available to augment the new monies are proposed for each program category for FYE 2021. Carryover funds are unobligated TFCA funds from prior years and projects recently completed under budget or canceled. In addition, an estimated \$1.8 million is available for administrative and audit related costs.

The following narrative provides additional information on the proposed programs and projects listed in Table 1 and project categories to be explored and considered for TFCA funding for FYE 2021.

- ***Trip Reduction***

Reducing single occupancy motor vehicle trips is a key strategy to reducing mobile source emissions. For nearly 30 years, TFCA revenues have been used to fund trip reduction strategies such as shuttle/feeder bus and ridesharing services to shift Bay Area residents and commuters to mass transit, and active transportation facilities to facilitate biking and walking as alternatives to driving for short first- and last- mile trips. However, the benefits of emission reduction for trip reduction projects have been declining over time. The region's fleet of passenger vehicles has become significantly cleaner at a faster rate than the medium- and heavy- duty vehicles typically used to provide shuttle services.

Air District staff have been working to address this challenge by refining the methodology used for evaluating a project's cost-effectiveness, to ensure air quality benefits are better captured. Additionally, staff is gathering input from stakeholders to explore and identify cost-effective alternatives to fixed-route bus services so that TFCA funds can continue to support projects that reduce on-road motor vehicles trips and vehicle miles travelled.

For FYE 2021, staff is recommending TFCA funds be allocated to support the following trip reduction project categories:

- ***Bicycle Facilities:*** To support bicycle facility projects, e.g. bikeways and secure bicycle parking, that encourage the increased use of active modes of transportation such as walking, biking, and mode shift away from the use of motor vehicles for short first- and last- mile connections to mass transit.
- ***Infrastructure Improvements:*** To support development projects that expand public access to alternative transportation modes via design and construction by local public agencies, physical improvements of infrastructure such as ferry or bus terminals, to achieve motor vehicle emissions reductions.
- ***Transportation Services:*** To support transportation service projects that reduce single-occupancy commuter vehicle trips.

- **Clean Air Vehicles**

Accelerating the adoption of zero-emission vehicles is the other key strategy to reducing on-road motor vehicle emissions, improving air quality, and reducing reliance on fossil fuels. Electrification of all sectors of transportation, including both light-duty passenger cars and heavy-duty trucks and buses, is essential in helping the region achieve local, state, and federal criteria pollutants and GHG emissions reduction targets.

Air District staff identified a key pathway to achieve the goals of Diesel Free by '33 by encouraging a phased-in replacement of diesel-fueled vehicles and equipment, including on-road vehicles with zero-emission technologies, which is advancing rapidly. Air District staff will continue to update the assessments of zero-emissions options that become commercially available and also the need for funding to incentivize deployment of both light- and heavy-duty zero-emission vehicles in the Bay Area.

The TFCA-funded incentive programs are augmented by other Air District efforts to increase electric vehicle (EV) adoption in the Bay Area. Outreach activities and forums that promote new technologies, share best practices, and encourage local agencies to adopt EV-friendly ordinances. Air District's efforts, in combination with other initiatives, have contributed to the Bay Area's high adoption rate of light-duty EVs and deployment of zero-emission medium- and heavy-duty trucks and buses in the region.

For FYE 2021, staff is recommending TFCA funds be allocated to support the following project categories to accelerate the region's transition to zero-emission vehicles.

- **EV Charging Stations:** To support deployment of publicly available EV chargers throughout the region through the *Charge!* Program. In FYE 2021, special emphasis will continue be placed on targeting installations in multi-family dwellings, designated chargers for taxi and ride hail drivers, transit park-and-rides, and impacted communities. The project is intended to increase the adoption of zero-emissions vehicles via deployment of new electric vehicle charging stations.
- **Zero-Emissions Light-Duty Fleets:** To accelerate the adoption of light-duty zero-emission vehicles that will be operated in the Air District's jurisdiction. In FYE 2021, special emphasis will be placed on targeting high mileage fleets, e.g. taxis, ride-hailing vehicles and other high mileage fleets.
- **Zero-Emission Medium- and Heavy- Duty Vehicles and Infrastructure:** To support the purchase of zero-emission trucks and buses and the installation of refueling infrastructure.
- **Vehicle Scrapping:** To accelerate the removal of high polluting vehicles, e.g. light duty cars and motorcycles, from Bay Area roadways by providing financial incentives to vehicle owners.
- **Clean Cars for All:** To provide funding to qualifying low-income residents to purchase new and used light-duty EVs to transition to clean mobility options.

- **Light-Duty Vehicle Hydrogen Fueling Stations:** Approximately \$500,000 from prior year funding is available for awards as a match to complement funding from California Energy Commission or the Volkswagen Environment Mitigation Trust for installation, upgrades, and improvements of hydrogen dispensing facilities.

#### ***Other Air District-Sponsored Programs:***

For FYE 2021, staff is recommending that TFCA funds also be used to reduce motor vehicle trips and increase the adoption of clean air vehicles via Air District-sponsored programs.

- ***Spare the Air:*** To provide funding to support this public outreach program for the summer ozone season to conduct advertising, media, and educational activities and to reduce vehicle miles traveled and emissions by behavior modification.
- ***Enhanced Mobile Source Inspections & Commuter Benefits Program:*** To support the enhanced inspection patrols for reporting smoking vehicles and enforcement of the state's drayage truck regulation and related truck/mobile source regulations conducted at and adjacent to the Port of Oakland. Funds may also be used to support the Air District's implementation of the Commuter Benefits Program, including education, outreach, monitoring, and tracking of Bay Area employers subject to the program. Plus, conducting compliance assistance and outreach to companies and government agencies.
- ***Vehicle BuyBack:*** To support administrative and marketing efforts undertaken by the Air District's contractors to implement this voluntary grant program that pays \$1,000 to residents who scrap an operable and registered model year 1997 or older vehicle. This funding augments approximately \$7 million annually in funding from the Carl Moyer and Mobile Source Incentive Fund programs, which provide the project funding for this program. Air District staff is also evaluating the feasibility of including motorcycles in this program.

#### ***TFCA Cost-Effectiveness***

The TFCA authorizing legislation requires the Air District to adopt cost-effectiveness criteria to maximize emissions reductions and public health benefits. Cost-effectiveness (C/E) is one of the key criteria used to evaluate and select projects to be funded by TFCA<sup>3</sup>. In addition to reducing pollutants, TFCA-funded projects provide other co-benefits such as conserving energy and reducing GHG emissions; reducing traffic congestion; improving quality of life for residents and commuters by expanding access to services that provide first- and last-mile connections to rail, ferry, and mass transit; and improving physical fitness and public safety by facilitating active modes of transportation such as walking and biking.

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<sup>3</sup> C/E is calculated by dividing TFCA funds awarded by the sum of surplus emissions reduced of reactive organic gases (ROG), nitrogen oxides (NOx), and weighted particulate matter (PM10) over the project operational period (POP).



For programs and projects sponsored directly by the Air District in FYE 2021, staff recommends maintaining the same C/E limits that were approved by the Board for FYE 2020, with one exception that the bicycle racks and EV charging stations projects will be administered through the Regional Fund program. The proposed cost-effectiveness limits and project operational period (POP) for each of the Air District-sponsored programs is shown in Table 2:

**Table 2 – Proposed Cost-Effectiveness and POP for Air District-Sponsored Programs**

Program Categories	Max. C/E	POP
	(per ton of emissions reduced)	(in Years)
Spare the Air	\$90,000	1
Enhanced Mobile Source & Commuter Benefits Enforcement		
Vehicle BuyBack*	NA	NA

\*Emission reductions would be entirely credited to the Carl Moyer Program.

For programs and projects offered under the Regional Fund, staff will return to the Mobile Source Committee with a recommendation for C/E limits later this spring.

***Administration***

Staff is proposing that the Executive Officer/APCO continue to approve TFCA Grant Agreements with individual grant award amounts up to \$100,000. TFCA projects with grant award amounts over \$100,000 will continue to be brought to the Committee for consideration at least on a quarterly basis.

**BUDGET CONSIDERATION / FINANCIAL IMPACT**

None. The Air District distributes “pass-through” funds to grantees on a reimbursement basis. Administrative costs for the TFCA Regional Fund program are provided by the funding source.

Respectfully submitted,

Jack P. Broadbent  
Executive Director/APCO

Prepared by: Chengfeng Wang  
Reviewed by: Karen Schkolnick and Anthony Fournier