



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

BOARD OF DIRECTORS  
MOBILE SOURCE COMMITTEE

COMMITTEE MEMBERS

KAREN MITCHOFF – CHAIR      SCOTT HAGGERTY – VICE CHAIR  
DAVID CANEPA  
DAVID HUDSON  
REBECCA KAPLAN  
CAROLE GROOM  
TYRONE JUE  
DOUG KIM  
NATE MILEY

THURSDAY  
FEBRUARY 23, 2017  
9:30 A.M.

1<sup>ST</sup> FLOOR BOARD ROOM  
375 BEALE STREET  
SAN FRANCISCO, CA 94105

AGENDA

1. **CALL TO ORDER - ROLL CALL – PLEDGE OF ALLEGIANCE**

*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.*

2. **PUBLIC COMMENT PERIOD**

*(Public Comment on Non-Agenda Items Pursuant to Government Code § 54954.3) Members of the public are afforded the opportunity to speak on any agenda item. All agendas for regular meetings are posted at District headquarters, 375 Beale Street, San Francisco, CA, 94105 at least 72 hours in advance of a regular meeting. At the beginning of the regular meeting agenda, an opportunity is also provided for the public to speak on any subject within the Committee's subject matter jurisdiction. Speakers will be limited to three (3) minutes each.*

*This meeting will be webcast. To see the webcast, please visit <http://www.baaqmd.gov/about-the-air-district/board-of-directors/resolutionsagendasminutes> at the time of the meeting.*

Staff/Phone (415) 749-

3. **APPROVAL OF THE MINUTES OF JANUARY 26, 2017**

Clerk of the Boards/5073

*The Committee will consider approving the attached draft minutes of the Mobile Source Committee meeting of January 26, 2017.*

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

K. Schkolnick/5070

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

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

5. **AIR DISTRICT GRANT PROGRAMS OVERVIEW**

K. Schkolnick/5070

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

*The Committee will receive an informational report on grant funds allocated by the Air District in calendar year 2016 and projected funding availability and proposed priorities for grant programs in calendar year 2017.*

6. **PARTICIPATION IN YEAR 19 OF THE CARL MOYER PROGRAM AND APPROVAL OF THE 2017 CALTRAIN FUNDING PLAN**

K. Schkolnick/5070

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

*The Committee will consider recommending Board of Directors' approval of a resolution authorizing the Air District's participation in Year 19 of the Carl Moyer Program and allocation of required match funding.*

7. **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)*

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

*Thursday, March 23, 2017, Bay Area Air Quality Management District Office, 375 Beale Street, San Francisco, California 94105 at 9:30 a.m.*

9. **ADJOURNMENT**

*The Committee meeting shall be adjourned by the Committee Chair.*

**CONTACT:**  
**MANAGER, EXECUTIVE OPERATIONS**  
**375 BEALE STREET, SAN FRANCISCO, CA 94105**  
**mmartinez@baaqmd.gov**

**(415) 749-5016**  
**FAX: (415) 928-8560**  
**BAAQMD homepage:**  
[www.baaqmd.gov](http://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](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, CALIFORNIA 94105**  
**FOR QUESTIONS PLEASE CALL (415) 749-5016 or (415) 749-4941**

**EXECUTIVE OFFICE:**  
**MONTHLY CALENDAR OF AIR DISTRICT MEETINGS**

**FEBRUARY 2017**

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
<b>Board of Directors Stationary Source Committee</b> <i>(Meets on the 3<sup>rd</sup> Monday of each Month)</i> - CANCELLED	Monday	20	10:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Budget &amp; Finance Committee</b> <i>(Meets on the 4<sup>th</sup> Wednesday of each Month)</i>	Wednesday	22	9:30 a.m.	1st Floor, Yerba Buena Room #109
<b>Board of Directors Executive Committee</b> <i>(Meets on the 3<sup>rd</sup> Monday of each Month)</i>	Wednesday	22	10:30 a.m.	1 <sup>st</sup> Floor, Yerba Buena Room #109
<b>Board of Directors Mobile Source Committee</b> <i>(Meets on the 4<sup>th</sup> Thursday of each Month)</i>	Thursday	23	9:30 a.m.	1 <sup>st</sup> Floor Board Room

**MARCH 2017**

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
<b>Board of Directors Regular Meeting</b> <i>(Meets on the 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i>	Wednesday	1	9:45 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Climate Protection Committee</b> <i>(Meets on the 3<sup>rd</sup> Thursday of Every Other Month)</i>	Thursday	2	9:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Regular Meeting</b> <i>(Meets on the 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i>	Wednesday	15	9:45 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Climate Protection Committee</b> <i>(Meets on the 3<sup>rd</sup> Thursday of every other Month) – RESCHEDULED TO 3/2/17</i>	Thursday	16	9:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Executive Committee</b> <i>(Meets on the 3<sup>rd</sup> Monday of each Month)</i>	Monday	20	9:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Stationary Source Committee</b> <i>(Meets on the 3<sup>rd</sup> Monday of each Month)</i>	Monday	20	10:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Budget &amp; Finance Committee</b> <i>(Meets on the 4<sup>th</sup> Wednesday of each Month)</i>	Wednesday	22	9:30 a.m.	1st Floor, Yerba Buena Room #109
<b>Board of Directors Mobile Source Committee</b> <i>(Meets on the 4<sup>th</sup> Thursday of each Month)</i>	Thursday	23	9:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Personnel Committee</b> <i>(Meets At the Call of the Chair)</i>	Friday	24	9:30 a.m.	1 <sup>st</sup> Floor Board Room

## APRIL 2017

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
<b>Advisory Council Mtg.</b> <i>(Meets on the 1<sup>st</sup> Monday of Every Other Month)</i>	Monday	3	10:00 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Regular Meeting</b> <i>(Meets on the 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i>	Wednesday	5	9:45 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Executive Committee</b> <i>(Meets on the 3<sup>rd</sup> Monday of each Month)</i>	Monday	17	9:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Stationary Source Committee</b> <i>(Meets on the 3<sup>rd</sup> Monday of each Month)</i>	Monday	17	10:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Regular Meeting</b> <i>(Meets on the 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i>	Wednesday	19	9:45 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Budget &amp; Finance Committee</b> <i>(Meets on the 4<sup>th</sup> Wednesday of each Month)</i>	Wednesday	26	9:30 a.m.	1st Floor, Yerba Buena Room #109
<b>Board of Directors Mobile Source Committee</b> <i>(Meets on the 4<sup>th</sup> Thursday of each Month)</i>	Thursday	27	9:30 a.m.	1 <sup>st</sup> Floor Board Room

HL – 2/16/17 (8:25 a.m.)

G/Board/Executive Office/Moncal

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Karen Mitchoff and Members  
of the Mobile Source Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: February 9, 2017

Re: Approval of the Minutes of January 26, 2017

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RECOMMENDED ACTION

Approve the attached draft minutes of the Mobile Source Committee (Committee) Meeting of January 26, 2017.

DISCUSSION

Attached for your review and approval are the draft minutes of the Mobile Source Committee Meeting of January 26, 2017.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Marcy Hiratzka  
Reviewed by: Maricela Martinez

Attachment 3A: Draft Minutes of the Mobile Source Committee Meeting of January 26, 2017

## AGENDA 3A – ATTACHMENT

Draft Minutes – Mobile Source Committee Meeting of January 26, 2017

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, January 26, 2017

#### **1. CALL TO ORDER – ROLL CALL**

Mobile Source Committee (Committee) Chair Karen Mitchoff called the meeting to order at 9:30 a.m.

Present: Chairperson Karen Mitchoff, and Directors Carole Groom, David Hudson, Tyrone Jue, Rebecca Kaplan, and Doug Kim.

Absent: None.

Also Present: None.

#### **2. PUBLIC COMMENT PERIOD:**

No requests received.

#### **3. APPROVAL OF THE MINUTES OF DECEMBER 15, 2016**

Public Comments:

No requests received.

Committee Comments:

None. Director Canepa arrived at 9:35 a.m.

Committee Action:

Director Kaplan made a motion, seconded by Director Hudson, to approve the Minutes of December 15, 2016; and the motion carried by the following vote of the Committee:

AYES: Canepa, Groom, Hudson, Jue, Kaplan, Kim and Mitchoff.  
NOES: None.  
ABSTAIN: None.  
ABSENT: Miley and Haggerty.

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

Damian Breen, Deputy Air Pollution Control Officer, introduced Yu Zhang Liu, Administrative Analyst, who gave the staff presentation *Projects with Proposed Grant Awards Over \$100,000*, including: overview; Carl Moyer Program (CMP) & Mobile Source Incentive Fund (MSIF); CMP Year 18; CMP and MSIF funds awarded as of 1/5/17 and since 2009; and recommendations.

Directors Haggerty and Miley arrived at 9:45 a.m.

Public Comments:

None received.

Committee Comments:

The Committee and staff discussed how much of the Year 18 Carl Moyer Program funding has been spent; the stringent triggers imposed by the State relative to how quickly CMP funds must be spent; the District’s collaboration with other California Air Districts to increase vehicle registration fees; why the State does not include heavy-duty trucks in vehicle buyback programs; and the need for electric vehicle charging stations in multi-unit (and) rental housing and cleaner locomotive engines.

Committee Action:

Director Hudson made a motion, seconded by Director Kaplan, to approve the staff recommendations; and the motion carried by the following vote of the Committee:

AYES: Canepa, Groom, Hudson, Jue, Kaplan, Kim, Miley, and Mitchoff.  
NOES: None.  
ABSTAIN: Haggerty.  
ABSENT: Canepa and Groom.

**5. OVERVIEW OF TRANSIT AND SHUTTLE TRENDS IN THE BAY AREA**

Mr. Breen introduced Linda Hui, Administrative Analyst, who gave the staff presentation *Overview of Transit and Shuttle Trends in the Bay Area*, including: overview; and background. Ms. Hui then introduced William Bacon, Policy and Financial Analyst of the Metropolitan Transportation Commission (MTC), and Adrian Covert, Vice President of the Bay Area Council (BAC), who each gave supplemental presentations regarding shuttle and transit services in the Bay Area.

Mr. Bacon gave the presentation *Transit in the Bay Area*, including: background; MTC’s Shuttle Census process and results; and next steps.

Mr. Covert gave the presentation *Commuter Shuttles Overview*, including: about the BAC; BAC Shuttles Committee; shuttle background; why shuttles; housing – jobs imbalance; flexibility; sustainability; and going forward.



Public Comments:

None received.

Committee Comments:

The Committee and staff discussed the cost of providing shuttle services; the fact that MTC's Shuttle Census data included both shuttles open to the general public and shuttles that are open to only a specific community; the balance of acknowledging the sustainable benefits of private shuttles, and potential impacts they have on municipal infrastructure and ridership of the general public; the feasibility of combining Bay Area transit agencies to streamline efficiency; how more data is needed in order to make informed decisions; how the District's Shuttles and Rideshare Program fits into to overall transportation picture; the need for improved and expanded shuttle services between the Bay Area and Stanislaus County; the value of the sharing economy and how it can affect last mile gaps; the correlation between the demand for shuttles and the housing crisis; the transition to zero-emission shuttles and buses; and battery life issues for electric vehicles.

Committee Action:

None; receive and file.

**6. UPDATE ON EFFORTS TO FURTHER REDUCE EMISSIONS AT THE PORT OF OAKLAND**

Mr. Breen introduced Chengfeng Wang, Strategic Incentives Division Supervisor, who gave the staff presentation, *Update on Efforts to Further Reduce Emissions at the Port of Oakland*, including: overview; program background; West Oakland community; 2008 Health Risk Assessment; early actions to reduce diesel particulate matter (DPM); ongoing actions to reduce DPM; results; progress in reducing cancer risk from air pollution; and challenges of/efforts to further reduce health risks in West Oakland.

Public Comments:

Public comments were made by Richard Sinkoff, Port of Oakland.

Committee Comments:

The Committee and staff discussed the vehicle traffic surrounding West Oakland that is impacting the Port of Oakland; the District's concern about the increase in economic activity in West Oakland; diesel PM leakage resulting from trucks that no longer drive to the Port due to State drayage truck regulations, and now commute within West Oakland, near residences; and the feasibility of incentivizing the installation of new electrical infrastructure (substations) needed for shore power and for future electric Port trucks.

Committee Action:

None; receive and file.

**7. COMMITTEE MEMBER COMMENTS**

None.

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

Thursday, February 23, 2017, Bay Area Air Quality Management District office, 375 Beale Street, 1<sup>st</sup> floor Board Room, San Francisco, CA 94105, at 9:30 a.m.

**9. ADJOURNMENT**

The meeting adjourned at 11:25 a.m.

Marcy Hirtzka  
Clerk of the Boards

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Karen Mitchoff and Members  
of the Mobile Source Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: February 2, 2017

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

**RECOMMENDATIONS**

Recommend Board of Directors:

1. Approve Carl Moyer Program (CMP) 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 and partners 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 (ARB), 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 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 March 16, 2016, the Board of Directors (Board) authorized Air District participation in Year 18 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.

CMP 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 the grant applications based upon the respective governing policies and guidelines established by the ARB.

## DISCUSSION

The Air District started accepting project applications for the CMP Year 18 funding cycle on July 11, 2016. The Air District had approximately \$11 million available for CMP projects from a combination of MSIF and CMP funds for the Year 18 cycle. Project applications are accepted and evaluated on a first-come, first-served basis.

As of February 2, 2017, the Air District had received 44 project applications for the CMP Year 18 cycle. Of the applications that have been evaluated between January 5, 2017, and February 2, 2017 three eligible projects have proposed individual grant awards over \$100,000. These projects will replace four diesel tractors and two diesel passenger locomotives, and reduce over 21.1 tons of NOx, ROG and PM per year. Staff recommends the allocation of \$5,624,910 for these projects from a combination of CMP Year 17 multi-district funds, CMP funds and MSIF revenues. Attachment 1, Table 1, provides additional information on these projects.

One of the recommended projects is a proposal to replace two San Joaquin Regional Rail Commission/Altamont Corridor Express (ACE) passenger locomotives using a combination of approximately:

- \$2.5 million in CMP Year 17 multi-district funds;
- \$2.5 million from a combination of Air District CMP and MSIF funding;
- \$2.5 million of funding from the San Joaquin Valley Air Pollution Control District; and
- \$7.5 million in Cap & Trade funds from the California State Transportation Agency

The CMP Year 17 multi-district funds are different than the annual CMP funding the Air District receives in that the multi-district funds were awarded by the ARB for projects that reduce emissions in multiple air districts. This project will reduce emissions in both the San Joaquin Valley and the Bay Area. The San Joaquin Valley Air Pollution Control District's contribution to the project is subject to approval by their Board of Directors who will be considering the proposal in February 2017.

Attachment 2, lists all of the eligible Year 18 projects that have been received by the Air District as of February 2, 2017, and summarizes the allocation of funding by equipment category, and county. This list also includes eligible Voucher Incentive Program (VIP) on-road replacement projects. Approximately 79% of the funds have been awarded to projects that reduce emissions in highly impacted Bay Area communities. Attachment 3 summarizes the cumulative allocation of CMP, MSIF, and VBB funding since 2009 (more than \$134 million awarded to 787 projects).

## BUDGET CONSIDERATION / FINANCIAL IMPACT

None. Through the CMP and MSIF, the Air District distributes "pass-through" funds to public agencies and private entities on a reimbursement basis. Administrative costs for these programs are provided by each funding source.

Respectfully submitted,

Jack P. Broadbent  
Executive Director/APCO

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

Attachment 1: Projects with grant awards greater than \$100,000 (evaluated 1/5/17 – 2/2/17)

Attachment 2: Summary of all Year 18 CMP/ MSIF and VIP approved and eligible projects  
(evaluated 8/30/16 – 2/2/17)

Attachment 3: Summary of program distribution by county and equipment category for CMP,  
MSIF, VBB, and VIP funding since 2009.

## AGENDA 4 - ATTACHMENT 1

Table 1 - Summary of Carl Moyer Program/ Mobile Source Incentive Fund projects  
with grant awards greater than \$100k (Evaluated between 1/5/17 and 2/2/17)

Project #	Applicant name	Equipment category	Project description	Proposed contract award	Total project cost	Emission Reductions (Tons per year)			County
						NOx	ROG	PM	
18MOY30	Mertens Dairy	Ag/ off-road	Replacement of two diesel tractors	\$ 294,740.00	\$ 368,440.57	1.186	0.156	0.055	Sonoma
18MOY42	McClelland's Dairy	Ag/ off-road	Replacement of two diesel tractors	\$ 330,170.00	\$ 412,797.22	1.769	0.153	0.052	Sonoma
18MOY37 <sup>1</sup>	San Joaquin Regional Rail Commission / ACE	Locomotive	Replacement of two diesel passenger locomotives	\$ 5,000,000.00	\$ 15,000,000.00	16.164	1.112	0.483	Alameda / Santa Clara
<b>3 Projects</b>				<b>\$ 5,624,910.00</b>		<b>19.119</b>	<b>1.421</b>	<b>0.590</b>	

<sup>1</sup> In addition to the proposed \$5 million in Air District funding, the contract award for project 18MOY37 may include an additional \$2.5 million from the San Joaquin Valley APCD for this project

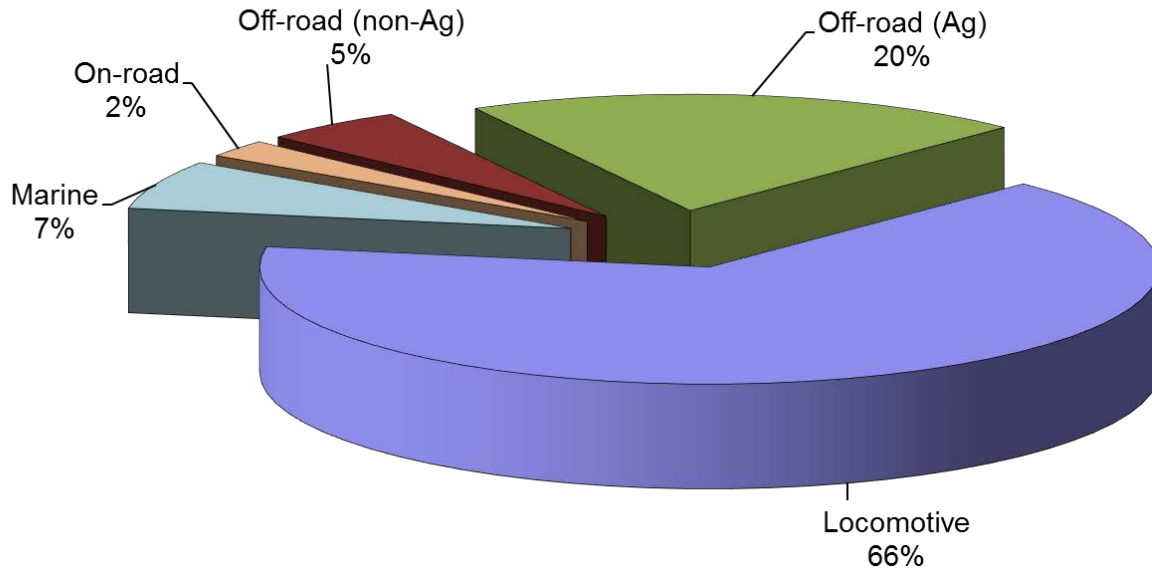
## AGENDA 4 - ATTACHMENT 2

*Summary of all Yr 18 CMP, MSIF and VIP approved/ eligible projects (between 8/30/16 and 2/2/17)*

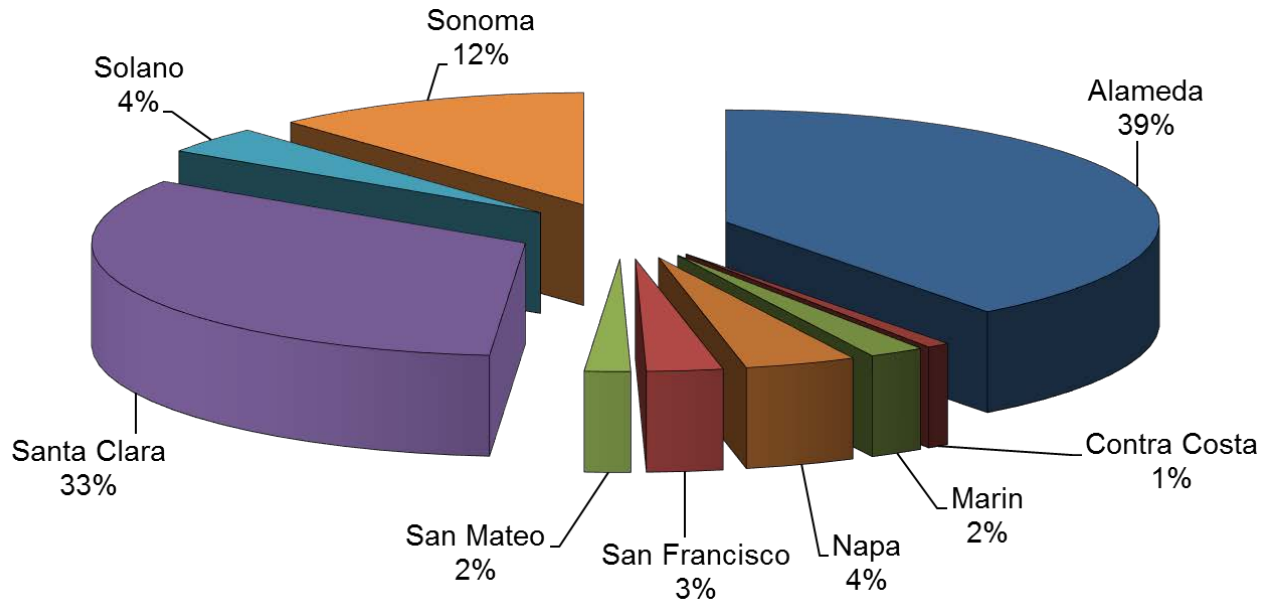
Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	Emission Reductions (Tons per year)			Board approval date	County
						NOx	ROG	PM		
18MOY10	Ag/ off-road	Equipment replacement	3	\$ 116,595.00	Pina Vineyard Management , LLC.	0.361	0.049	0.021	11/16/2016	Napa
18MOY7	Ag/ off-road	Equipment replacement	1	\$ 71,800.00	Walter Hansel Winery & Vineyards LLC	0.174	0.031	0.015	APCO	Sonoma
18MOY5	Ag/ off-road	Equipment replacement	1	\$ 34,550.00	Corey J Coggins (Farmer)	0.103	0.018	0.004	APCO	San Mateo
18MOY9	Off-road	Equipment replacement	1	\$ 20,700.00	Silicon Roadways, Inc.	0.086	0.016	0.007	APCO	Alameda
18MOY15	Off-road	Equipment replacement	1	\$ 85,200.00	Keith J. Gale General Engineering, Inc.	0.545	0.056	0.020	APCO	Solano
18MOY13	Ag/ off-road	Equipment replacement	1	\$ 95,530.00	Robert and Julia Marsh (Farmer)	0.667	0.070	0.024	APCO	San Mateo
18MOY17	Off-road	Equipment replacement	1	\$ 85,000.00	SF Recovery, Inc.	0.823	0.099	0.035	APCO	San Francisco
18MOY14	Marine	Engine replacement	2	\$ 130,000.00	Reel Time Charters, LLC	0.875	0.005	0.032	1/18/2017	San Francisco
18MOY23	Off-road	Equipment replacement	1	\$ 72,800.00	Columbia Electric, Inc.	0.366	0.052	0.023	APCO	Alameda
18MOY25	Off-road	Equipment replacement	1	\$ 64,000.00	Iron House Sanitary District	0.379	0.046	0.016	APCO	Contra Costa
18MOY12	Ag/ off-road	Equipment replacement	1	\$ 35,000.00	Mazzetta Dairy	0.086	0.002	0.006	APCO	Sonoma
18MOY20	Ag/ off-road	Equipment replacement	2	\$ 97,520.00	Wight Vineyard Management, Inc.	0.221	0.046	0.021	APCO	Napa
18MOY26	Ag/ off-road	Equipment replacement	1	\$ 165,230.00	Saturnino Del Castillo (Farmer)	0.799	0.084	0.028	1/18/2017	Solano
18MOY19	Marine	Engine replacement	2	\$ 230,000.00	Sport Fishing Enterprises, LLC	0.681	0.000	0.037	1/18/2017	Alameda
18MOY2	Ag/ off-road	Equipment replacement	1	\$ 35,325.00	Nick Leras Vineyards	0.169	0.029	0.011	APCO	Sonoma
18MOY27	Ag/ off-road	Equipment replacement	2	\$ 89,060.00	Balletto Ranch, Inc.	0.453	0.081	0.039	APCO	Sonoma
18MOY31	Marine	Engine replacement	2	\$ 156,000.00	Sean Marcus Hodges (Charter fishing)	0.437	-0.011	0.027	2/1/2017	Marin
18MOY28	Ag/ off-road	Equipment replacement	1	\$ 34,000.00	Pina Vineyard Management , LLC.	0.075	0.015	0.007	APCO	Napa
18MOY36	Ag/ off-road	Equipment replacement	1	\$ 49,900.00	Donald R Hardin Trust	0.134	0.024	0.009	APCO	Napa
17MOY66	Ag/ off-road	Equipment replacement	1	\$ 39,545.00	Dirt Farmer & Company, A California Corporation	0.105	0.032	0.010	APCO	Sonoma
18MOY35	Ag/ off-road	Equipment replacement	1	\$ 16,200.00	Cortina Vineyard Management	0.022	0.013	0.003	APCO	Napa
18MOY33	Ag/ off-road	Equipment replacement	1	\$ 44,225.00	M. German & Son Partnership	0.154	0.031	0.014	APCO	Solano
18MOY30	Ag/ off-road	Equipment replacement	2	\$ 294,740.00	Mertens Dairy	1.186	0.156	0.055	TBD	Sonoma
18MOY24	Off-road	Equipment replacement	1	\$ 61,600.00	Columbia Electric, Inc.	0.246	0.044	0.021	APCO	Alameda
18MOY42	Ag/ off-road	Equipment replacement	2	\$ 330,170.00	McClelland's Dairy	1.769	0.153	0.052	TBD	Sonoma
18MOY37	Locomotive	Equipment replacement	2	\$ 5,000,000.00	San Joaquin Regional Rail Commission / ACE	16.164	1.112	0.483	TBD	Alameda / Santa Clara
VIP282	VIP	Truck Replacement	1	\$ 10,000.00	Cornel Roman/ Camelia Roman	0.400	0.000	0.010	APCO	Alameda
VIP283	VIP	Truck Replacement	1	\$ 15,000.00	Javier De La Torre	0.300	0.010	0.000	APCO	Yolo
VIP284	VIP	Truck Replacement	1	\$ 30,000.00	J/W Sanchez Trucking, Inc.	0.600	0.010	0.000	APCO	Alameda
VIP285	VIP	Truck Replacement	1	\$ 40,000.00	Phieu Hung Nguyen	0.870	0.010	0.000	APCO	Alameda
VIP287	VIP	Truck Replacement	1	\$ 45,000.00	Manuel Rivera DBA JJC Trucking	0.900	0.010	0.000	APCO	San Joaquin
VIP288	VIP	Truck Replacement	1	\$ 45,000.00	Thanh Duc Nguyen	0.890	0.010	0.000	APCO	Alameda
<b>32 Projects</b>			<b>42</b>	<b>\$ 7,639,690.00</b>		<b>31.039</b>	<b>2.301</b>	<b>1.032</b>		

## AGENDA 4 - ATTACHMENT 2

**Figure 1: CMP/ MSIF Funding Distribution by Equipment Category as of 2/2/17**



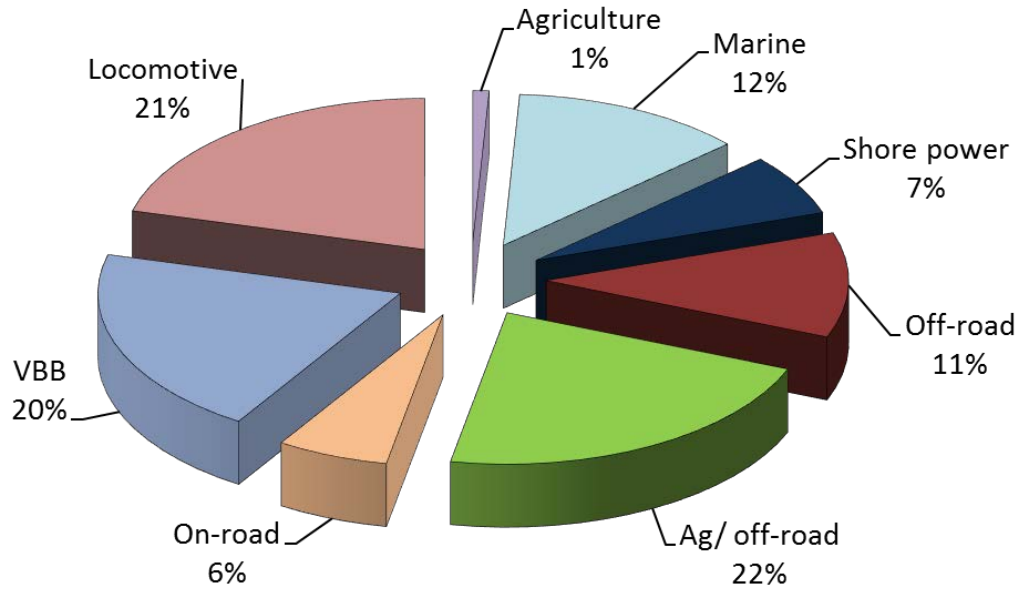
**Figure 2: CMP/ MSIF Funding Distribution by County as of 2/2/17**



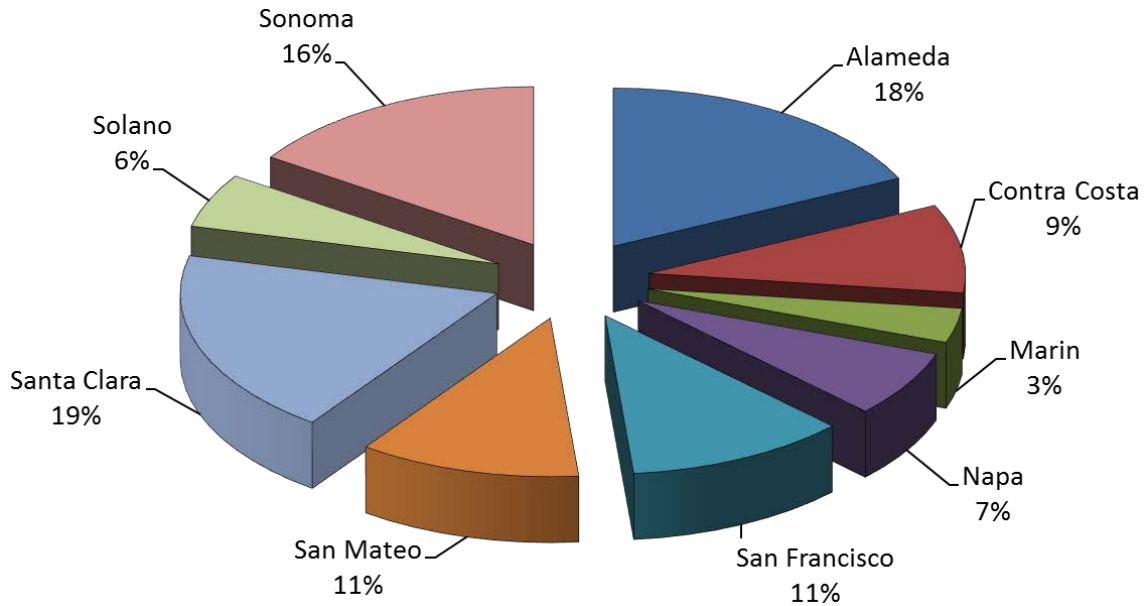


# AGENDA 4 - ATTACHMENT 3

**Figure 3: CMP, MSIF, VBB and VIP funding since 2009 by equipment category**



**Figure 4: CMP, MSIF, VBB and VIP funding since 2009 by county**



**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Karen Mitchoff and Members  
of the Mobile Source Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: February 9, 2017

Re: Air District Grant Programs Overview

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**RECOMMENDATIONS**

None; receive and file.

**BACKGROUND**

In the Bay Area, the transportation sector accounts for 40% of the criteria air pollutants and 36% of the green-house gasses (GHG) generated.<sup>1, 2</sup> Since tailpipe emissions contribute significantly to criteria pollutants and GHGs, emissions reductions from the on-road transportation sector are essential to helping the Bay Area attain State and Federal ambient air quality standards and meet its GHG reduction commitments. As part of its efforts to reduce emissions from mobile sources, the Bay Area Air Quality Management District (Air District) administers grant and incentive programs that offer funding to public agencies, private companies, and Bay Area residents to help offset a portion of the cost to implement eligible emissions reduction projects.

In calendar year 2016, the District awarded more than \$70 million in funding to eligible projects. Approximately \$61 million of that funding was directly allocated by the Air District. The remaining \$9 million was distributed via the Transportation Fund for Clean Air (TFCA) County Program Manager program. The \$61 million allocated by the Air District came from four renewable funding sources: the California Goods Movement Bond, TFCA Regional Fund, Mobile Source Incentive Fund, and the Carl Moyer Program. These programs accumulate annually via fees and bond sales that are distributed to the Air District, and constitute the Air District's primary grant programs. In addition, staff also seeks out additional funding opportunities (e.g., state and federal sources) to further reduce emissions from mobile sources in the Bay Area.

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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.

## DISCUSSION

Since calendar year 2011, the Committee has received similar reports from staff on expenditures in various grant programs for the previous calendar year.

This year's report will include a discussion of the total incentive funds allocated in calendar year 2016 by funding source, project/equipment category, and county, and how the grant funds awarded in 2016 are projected to contribute to emissions reduction from the Air District emissions inventory. Staff will also discuss with the Committee the projected funding for each of the Air District primary grant programs in calendar year 2017 and present historical information dating back to calendar year 2012 showing how Air District funds have been allocated over the past five years.

## BUDGET CONSIDERATION / FINANCIAL IMPACT

None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

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

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Karen Mitchoff and Members  
of the Mobile Source Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: February 9, 2017

Re: Participation in Year 19 of the Carl Moyer Program and Approval of the 2017  
Caltrain Funding Plan

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**RECOMMENDATIONS**

Recommend Board of Directors:

1. Adopt a resolution authorizing the Executive Officer/APCO to execute all necessary agreements with the California Air Resources Board (ARB) relating to the Air District's receipt of Carl Moyer Program (CMP) funds for fiscal year 2016-2017 (Program Year 19);
2. Allocate \$3 million in Mobile Source Incentive Funding to provide the required match funding and additional monies for projects eligible for funding under the CMP guidelines; and
3. Approve the proposed 2017 funding plan for the Caltrain Electrification project.

**BACKGROUND**

The Bay Area Air Quality Management District (Air District) has participated in the CMP since the program began in Fiscal Year (FY) 1998-1999. Through the CMP the Air District 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 trucks and buses, mobile off-road equipment, marine vessels, locomotives, stationary agricultural pump engines, and forklifts.

Assembly Bill 923 (Firebaugh), enacted in 2004 (codified as Health and Safety Code 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 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.

## DISCUSSION

On January 27, 2017, the Air District submitted an application to ARB requesting \$10,650,000 in funding for the implementation of the CMP Year 19 CMP funding cycle (FY 2016-2017). Up to 6.25% of the total funds awarded to the Air District will be used to pay for administrative expenses related to the implementation of the CMP. As part of the application, the Air District has proposed a commitment of up to \$1,800,000 in matching funds for Year 19. Staff is therefore requesting the Board meet this required match, and expand the program for additional eligible emissions reductions projects by allocating \$3 million in MSIF funds to the CMP Year 19 funding cycle.

Staff plans to begin accepting CMP Year 19 applications in mid-2017. Project applications will be accepted and evaluated on a first-come, first-served basis until all funds have been allocated. Also, in accordance with the authorization granted to the Executive Officer/APCO on February 4, 2009, projects with individual grant awards up to \$100,000 will be executed by the Executive Officer/ APCO, and reported to the Mobile Source Committee on at least a quarterly basis. Eligible projects with individual grant awards over \$100,000 will also be brought to the MSC for consideration at least quarterly.

The Air District will use the 2017 ARB CMP Guidelines, and subsequent updates for the Year 19 CMP cycle. Year 19 funding must be obligated to eligible projects by June 30, 2018, and be expended by June 30, 2019. In accordance with AB 1390, 50% of all CMP funding allocated by the Air District must be awarded to projects in impacted communities. The process that will be used for identifying and prioritizing CMP Year 19 projects benefiting impacted communities will be similar to the process used for the previous CMP funding cycles. Priority will be given to projects that reduce emissions in communities based on data from the Air District's Community Air Risk Evaluation (CARE) program.

### ***Caltrain Electrification Project***

On July 29, 2015, the Air District allocated \$20 million in MSIF funds to the Peninsula Corridor Joint Powers Board for the Caltrain Electrification Project and authorized the Executive Officer/APCO to enter into the necessary agreements for the project. As part of approval of this project, the Board requested a five-year funding plan (between 2016 and 2020) be prepared and brought to the Board annually for approval. On January 7, 2016, the Air District entered into agreement with the Peninsula Corridor Joint Powers Board for the Caltrain Electrification project. On March 16, 2016 the Air District's Board of Directors approved the initial \$13 million funding plan for the project. Staff is proposing a 2017 funding plan that includes \$3 million in new 2017 MSIF revenues for this project. Staff will return in future years with updates to the funding plan until the entire \$20 million allocation has been authorized.

## BUDGET CONSIDERATION / FINANCIAL IMPACT

None. Through the CMP and MSIF grant programs the Air District distributes "pass-through" funds to public agencies and private entities on a reimbursement basis. Administrative costs for all programs are provided by each funding source.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

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

Attachment 1: Resolution accepting Carl Moyer Program funds from the California Air Resources Board

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

**RESOLUTION No. 2017 -**

**A Resolution Accepting Carl Moyer Program Funds  
From the California Air Resources Board**

WHEREAS, California Health and Safety Code Division 26, Part 5, Chapter 9, empowers the California Air Resources Board (ARB) to allocate Carl Moyer Program funds to local air quality districts to provide financial incentives to both the public and private sector to implement eligible projects to reduce emissions from on-road, marine, locomotive, agriculture, and off-road engines;

WHEREAS, California Health and Safety Code section 44287, authorizes ARB to provide an air district with funds if that district provides matching funds in an amount established by ARB;

WHEREAS, the Bay Area Air Quality Management District (District) submitted an application to ARB requesting \$10,650,000 in Carl Moyer Program funds to implement the Carl Moyer Program within the District for the fiscal year (FY) 2016-2017 (Year 19) cycle;

WHEREAS, the District proposed to commit up to \$1,800,000 in matching funds as part of the Year 19 Carl Moyer Program cycle, in accordance with the requirements of California Health and Safety Code section 44287;

WHEREAS, ARB will authorize a grant to the District to implement the Carl Moyer Program Year 19, upon approval by the Board of Directors to accept such grant of funds;

WHEREAS, ARB will award a grant in the amount of as much as \$10,650,000, with the District-required match of up to \$1,800,000.

NOW, THEREFORE, BE IT RESOLVED, the Board of Directors hereby approves the District's continued participation in the Carl Moyer Program and acceptance of the FY 2016-2017, Carl Moyer Program funds, to be awarded to eligible District projects in accordance with the ARB Carl Moyer Program guidelines.

BE IT FURTHER RESOLVED, the District will provide the required matching funds for District projects by allocating local motor vehicle surcharge revenues to eligible emission reduction projects that qualify for Carl Moyer Program matching purposes.

BE IT FURTHER RESOLVED, the Executive Officer/Air Pollution Control Officer is hereby authorized and empowered to execute on behalf of the District grant agreements with ARB and all other necessary documents to implement and carry out the purposes of this resolution.

AGENDA 6 – ATTACHMENT 1

The foregoing resolution was duly and regularly introduced, passed and adopted at a regular meeting of the Board of Directors of the Bay Area Air Quality Management District on the Motion of Director \_\_\_\_\_, seconded by Director \_\_\_\_\_, on the \_\_\_\_ day of \_\_\_\_\_, 2017, by the following vote of the Board:

AYES:

NOES:

ABSENT:

\_\_\_\_\_  
Liz Kniss  
Chairperson of the Board of Directors

ATTEST:

\_\_\_\_\_  
Katie Rice  
Secretary of the Board of Directors