



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

BOARD OF DIRECTORS
MOBILE SOURCE COMMITTEE

COMMITTEE MEMBERS

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

THURSDAY
JANUARY 26, 2017
9:30 A.M.

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

AGENDA

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

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 DECEMBER 15, 2016**

Clerk of the Boards/5073

The Committee will consider approving the attached draft minutes of the Mobile Source Committee meeting of December 15, 2016.

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

K. Schkolnick/5070

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

K. Schkolnick/5070

kschkolnick@baaqmd.gov

The Committee will receive an informational update on shuttle services provided by both the private and public sector.

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

K. Schkolnick/5070

kschkolnick@baaqmd.gov

The Committee will receive an informational update on an on-going project to update equipment and emissions inventories for the Port of Oakland, and to develop a comprehensive plan for further emissions reductions at the Port.

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, February 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

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

Accessibility and Non-Discrimination Policy

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

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

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

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

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

BAY AREA AIR QUALITY MANAGEMENT DISTRICT
375 BEALE STREET, SAN FRANCISCO, CALIFORNIA 94105
FOR QUESTIONS PLEASE CALL (415) 749-5016 or (415) 749-4941

EXECUTIVE OFFICE:
MONTHLY CALENDAR OF AIR DISTRICT MEETINGS

JANUARY 2017

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Executive Committee <i>(Meets on the 3rd Monday of each Month) - CANCELLED</i>	Monday	16	9:30 a.m.	1 st Floor Board Room
Board of Directors Stationary Source Committee <i>(Meets on the 3rd Monday of each Month) - CANCELLED</i>	Monday	16	10:30 a.m.	1 st Floor Board Room
Board of Directors Special Meeting/Retreat <i>(Meets on the 1st & 3rd Wednesday of each Month)</i>	Wednesday	18	9:45 a.m.	Computer History Museum Hahn Auditorium 1401 N. Shoreline Blvd Mountain View, CA 94043
Board of Directors Climate Protection Committee <i>(Meets 3rd Thursday of Every Other Month) - CANCELLED</i>	Thursday	19	9:30 a.m.	1 st Floor Board Room
Board of Directors Budget & Finance Committee <i>(Meets on the 4th Wednesday of each Month)</i>	Wednesday	25	9:30 a.m.	1st Floor, Yerba Buena Room #109
Board of Directors Mobile Source Committee <i>(Meets on the 4th Thursday of each Month)</i>	Thursday	26	9:30 a.m.	1 st Floor Board Room
Board of Directors Stationary Source Committee <i>(Meets on the 3rd Monday of each Month) -</i>	Monday	30	9:30 a.m.	1 st Floor Board Room

FEBRUARY 2017

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Regular Meeting <i>(Meets on the 1st & 3rd Wednesday of each Month)</i>	Wednesday	1	9:45 a.m.	1 st Floor Board Room
Advisory Council Meeting <i>(At the Call of the Chair)</i>	Monday	6	10:00 a.m.	1 st Floor Board Room
Board of Directors Regular Meeting <i>(Meets on the 1st & 3rd Wednesday of each Month)- CANCELLED</i>	Wednesday	15	9:45 a.m.	1 st Floor Board Room
Board of Directors Executive Committee <i>(Meets on the 3rd Monday of each Month) - CANCELLED</i>	Monday	20	9:30 a.m.	1 st Floor Board Room
Board of Directors Stationary Source Committee <i>(Meets on the 3rd Monday of each Month) - CANCELLED</i>	Monday	20	10:30 a.m.	1 st Floor Board Room

FEBRUARY 2017

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Budget & Finance Committee <i>(Meets on the 4th Wednesday of each Month)</i>	Wednesday	22	9:30 a.m.	1st Floor, Yerba Buena Room #109
Board of Directors Mobile Source Committee <i>(Meets on the 4th Thursday of each Month)</i>	Thursday	23	9:30 a.m.	1 st Floor Board Room

MARCH 2017

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Regular Meeting <i>(Meets on the 1st & 3rd Wednesday of each Month)</i>	Wednesday	1	9:45 a.m.	1 st Floor Board Room
Board of Directors Regular Meeting <i>(Meets on the 1st & 3rd Wednesday of each Month)</i>	Wednesday	15	9:45 a.m.	1 st Floor Board Room
Board of Directors Climate Protection Committee <i>(Meets on the 3rd Thursday of every other Month)</i>	Thursday	16	9:30 a.m.	1 st Floor Board Room
Board of Directors Executive Committee <i>(Meets on the 3rd Monday of each Month)</i>	Monday	20	9:30 a.m.	1 st Floor Board Room
Board of Directors Stationary Source Committee <i>(Meets on the 3rd Monday of each Month)</i>	Monday	20	10:30 a.m.	1 st Floor Board Room
Board of Directors Budget & Finance Committee <i>(Meets on the 4th Wednesday of each Month)</i>	Wednesday	22	9:30 a.m.	1st Floor, Yerba Buena Room #109
Board of Directors Mobile Source Committee <i>(Meets on the 4th Thursday of each Month)</i>	Thursday	23	9:30 a.m.	1 st Floor Board Room

MM – 1/13/17 (10:56 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: January 12, 2017

Re: Approval of the Minutes of December 15, 2016

RECOMMENDED ACTION

Approve the attached draft minutes of the Mobile Source Committee (Committee) Meeting of December 15, 2016.

DISCUSSION

Attached for your review and approval are the draft minutes of the Mobile Source Committee Meeting of December 15, 2016.

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 December 15, 2016.

AGENDA 3A – ATTACHMENT

Draft Minutes – Mobile Source Committee Meeting of December 15, 2016

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, December 15, 2016

1. CALL TO ORDER – ROLL CALL

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

Present: Chairperson Scott Haggerty, and Directors John Avalos, Carole Groom, David Hudson, Rebecca Kaplan, Nate Miley, and Karen Mitchoff.

Absent: Vice-Chairperson David Canepa.

Also Present: None.

2. PUBLIC COMMENT PERIOD:

No requests received.

3. APPROVAL OF THE MINUTES OF OCTOBER 27, 2016

Public Comments:

No requests received.

Committee Comments:

None.

Committee Action:

Director Hudson made a motion, seconded by Director Kaplan, to approve the Minutes of October 27, 2016; and the motion carried by the following vote of the Committee:

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

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

NOTED PRESENT: Director Mitchoff was noted present at 9:32 a.m.

Jean Roggenkamp, Deputy Executive Officer, introduced Judy Williams, Strategic Incentives Administrative Analyst, who gave the staff presentation *Projects with Proposed Awards Over \$100,000*, including: overview; Carl Moyer Program (CMP) and Mobile Source Incentive Fund (MSIF); CMP Year 18; CMP and MSIF Funds awarded as of 11/21/16 and since 2009; and recommendations.

Public Comments:

None received.

Committee Comments:

None.

Committee Action:

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

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

5. FISCAL YEAR ENDING 2015 TRANSPORTATION FUND FOR CLEAN AIR AUDIT REPORT RESULTS

Damian Breen, Deputy Air Pollution Control Officer, introduced Ken Mak, Air Quality Specialist, who gave the staff presentation *Fiscal Year Ending (FYE) 2015 Transportation Fund for Clean Air (TFCA) Audit Report*, including: overview; background; Audit #17 process, findings, District responses, and trends by year.

Public Comments:

None received.

Committee Comments:

The Committee and staff discussed the late filing of reports, and explanation of the irregular reporting regarding the original “Bay Area Bike Share” pilot program; whether or not the District’s reporting requirements are too excessive; the frequency of project audits; the status of the Compressed Natural Gas Bas tank replacement project; the District’s previous outreach to school bus companies about tank replacements and the possible need for additional outreach; and the

District’s contract with Gilbert Associates, Inc. for audit services, and when the next Request for Proposal for audit services is expected to be released.

Committee Action:

None; receive and file

NOTED PRESENT: Director Miley was noted present at 9:46 a.m.

6. FISCAL YEAR ENDING 2016 REPORT ON TRANSPORTATION FUND FOR CLEAN AIR REGIONAL FUND EXPENDITURES AND EFFECTIVENESS

Mr. Breen introduced Linda Hui, Strategic Incentives Administrative Analyst, who gave the staff presentation *Fiscal Year Ending 2016 Report on Transportation Funds for Clean Air Regional Fund Expenditures and Effectiveness*, including: overview; background; FYE 2016 Expenditures and Cost-Effectiveness Report results and key findings; expenditures of projects closed in FYE 2016 by project category; and summary of expenditures and cost-effectiveness of projects closed in FYE 2016.

Public Comments:

None received.

Committee Comments:

The Committee and staff discussed a Smart Growth project whose cost-effectiveness could not be determined, the District’s decision to phase out projects for which Air quality benefits are difficult to quantify, and smart growth as a component in the District’s Clean Air Plan; the probability of phasing out the Enhanced Mobile Source Inspections Program and allocating the funds that would normally be allocated for that program to the TFCA program, due to the fact that the District is seeing a steady decline in complaints and investigations of smoking vehicles; the District’s enforcement of vehicle regulations at ports, and the fact that the District no longer has the authority to enforce the roadside detection of non-compliant vehicles; the District’s process and rationale for allocating funds to projects when there is no guarantee that the projects will prove to be cost-effective upon completion; the District’s objective of awarding projects whose funds can be quickly spent and for which sponsors can accurately determine the cost-effectiveness ahead of time; and the need for additional funds for the TFCA program, perhaps involving Legislative and county support.

Committee Action:

None; receive and file.

7. COMMITTEE MEMBER COMMENTS

None.

8. TIME AND PLACE OF NEXT MEETING

Thursday, January 26, 2017, Bay Area Air Quality Management District Office, 375 Beale Street, San Francisco, California 94105 at 9:30 a.m.

9. ADJOURNMENT

The meeting adjourned at 10:12 a.m.

Marcy Hiratzka
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: January 5, 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 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 (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 and/or the Board.

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 January 5, 2017, the Air District received 40 project applications for the CMP Year 18 cycle. Of the applications that were evaluated between November 21, 2016, and January 5, 2017 one eligible project has a proposed grant award over \$100,000. This project will replace two diesel marine engines and reduce over 0.45 tons of NOx, ROG and PM per year. Staff recommends the allocation of \$156,000 for this project from a combination of CMP funds and MSIF revenues. Attachment 1, Table 1, provides additional information on this project.

Attachment 2, lists all of the eligible Year 18 projects that have been received by the Air District as of January 5, 2017, and summarizes the allocation of funding by equipment category, and county. This list also includes the Voucher Incentive Program (VIP) on-road replacement projects awarded since the last Committee update. Approximately 52% 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 \$128 million awarded to 784 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: Damian Breen

- Attachment 1: Projects with grant awards greater than \$100,000 (evaluated 11/21/16 – 1/5/17)
- Attachment 2: Summary of all Year 18 CMP/ MSIF and VIP approved and eligible projects (evaluated 8/30/16 – 1/5/17)
- 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 11/21/16 and 1/5/17)

Project #	Applicant name	Equipment category	Project description	Proposed contract award	Total project cost	Emission Reductions (Tons per year)			County
						NOx	ROG	PM	
18MOY31	Sean Marcus Hodges (Charter fishing)	Marine	Replacement of two diesel marine main engines	\$ 156,000.00	\$ 196,134.52	0.437	-0.011	0.027	Marin
1 Projects				\$ 156,000.00		0.437	-0.011	0.027	

AGENDA 4 - ATTACHMENT 2

Summary of all Yr 18 CMP, MSIF and VIP approved/ eligible projects (between 8/30/16 and 1/5/17)

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	\$ 117,165.00	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	TBD	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	TBD	Solano
18MOY19	Marine	Engine replacement	2	\$ 230,000.00	Sport Fishing Enterprises, LLC	0.681	0.000	0.037	TBD	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	TBD	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
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
28 Projects			35	\$ 1,953,750.00		11.674	0.836	0.420		

AGENDA 4 - ATTACHMENT 2

Figure 1: CMP/ MSIF Funding Distribution by Equipment Category as of 1/5/17

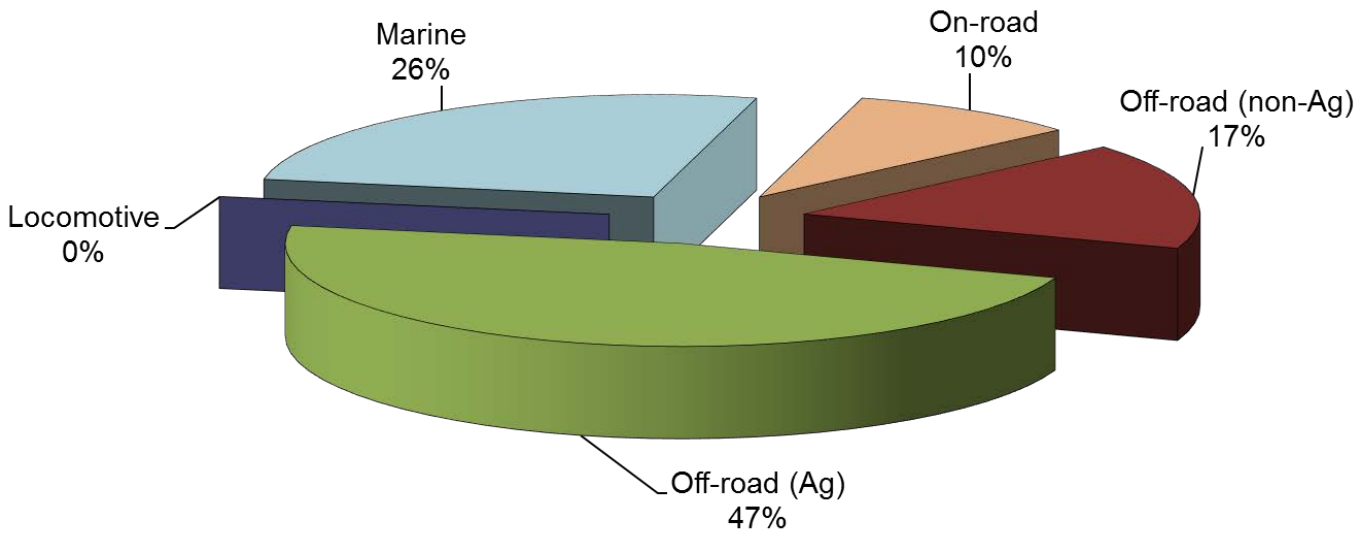
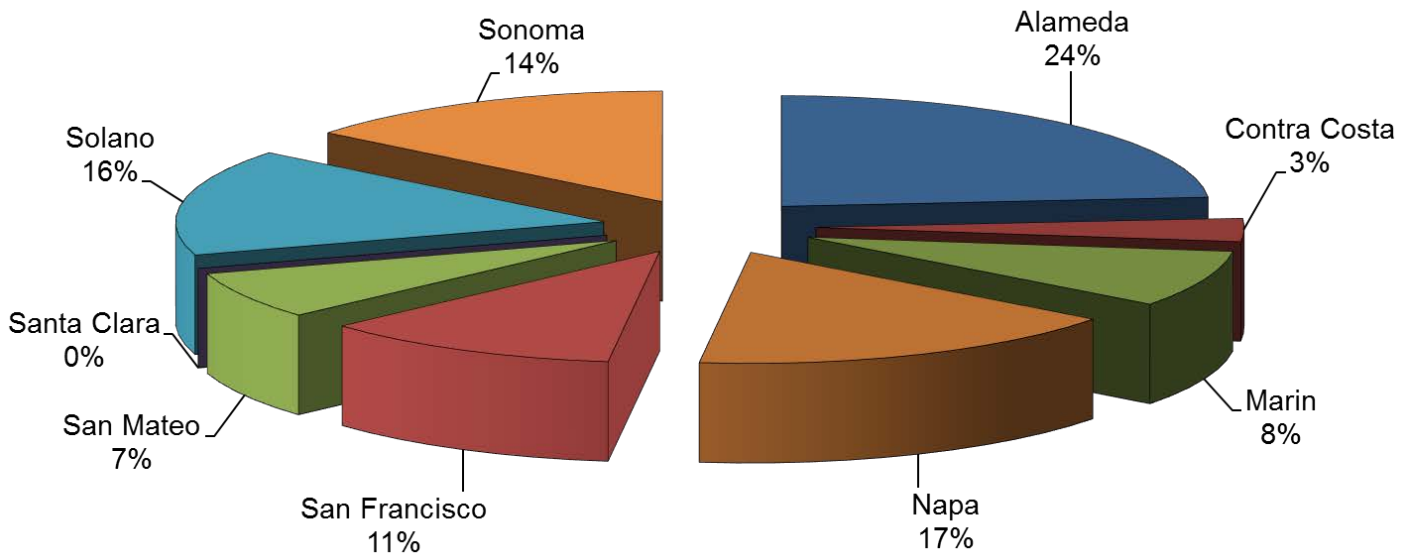


Figure 2: CMP/ MSIF Funding Distribution by County as of 1/5/17



AGENDA 4 - ATTACHMENT 3

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

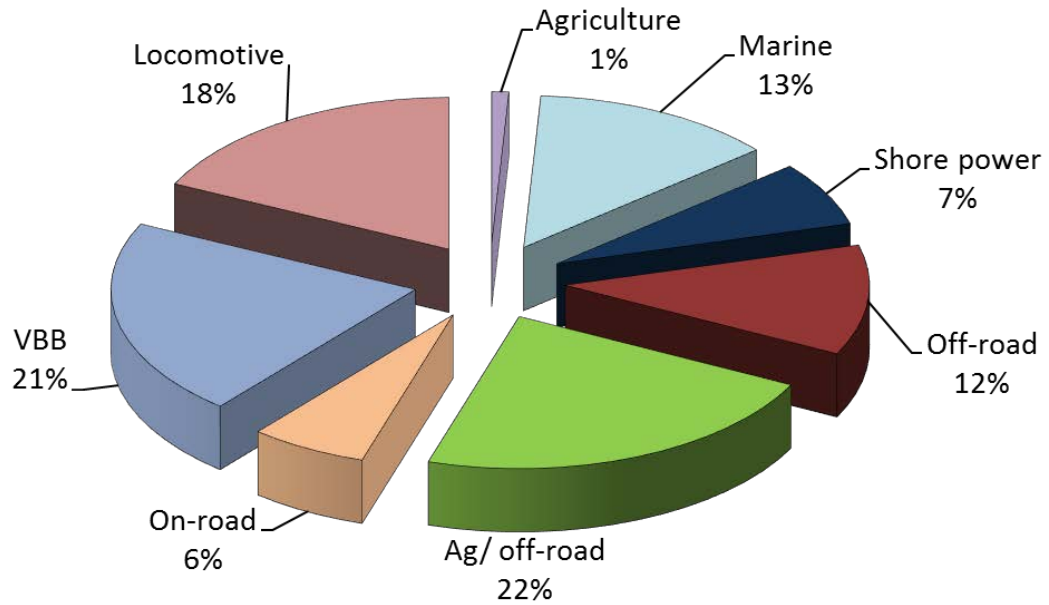
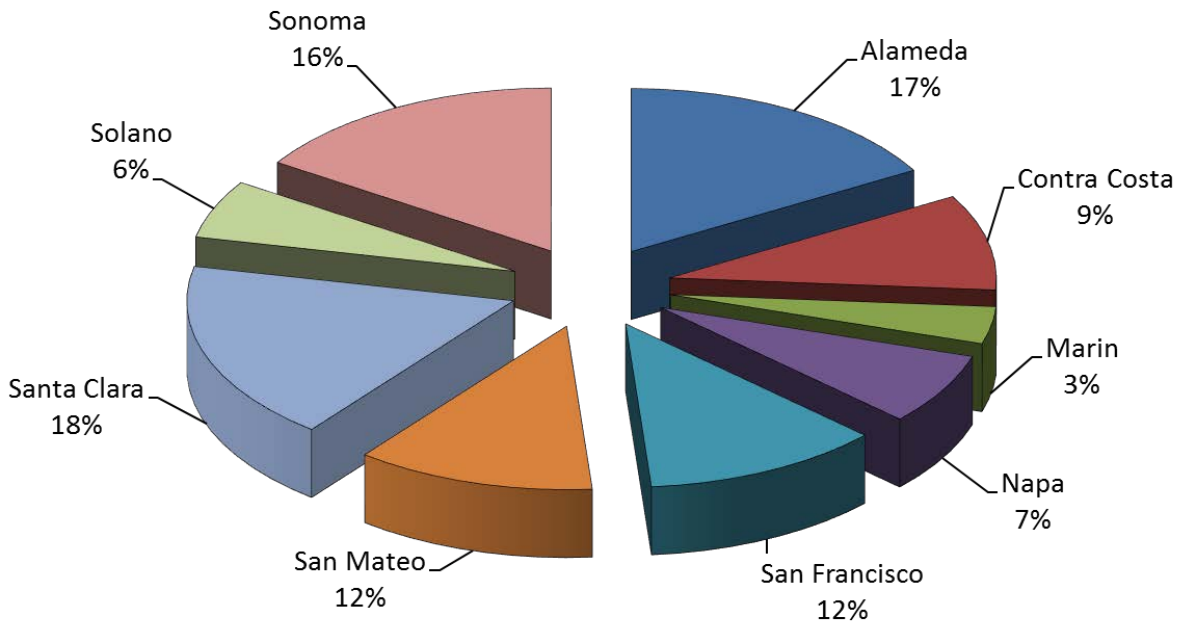


Figure 4: CMP, MSIF, VBB and VIP funding since 2009 by county



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: January 13, 2017

Re: Overview of Transit and Shuttle Trends in the Bay Area

RECOMMENDATION

None; receive and file.

BACKGROUND

The Bay Area's public transportation system is run by 25 different transit operators, which provide a range of services from local bus and regional rail to municipal paratransit. These operators carry nearly 1.7 million passengers every day throughout the region at an estimated cost of approximately \$2.5 billion per year. While transit ridership has been increasing since the end of the recent recession in 2011, it has still yet to return to the all-time high seen in 2000 during the dot-com boom. In addition, per capita transit ridership has decreased 12% region-wide over the last 25 years. Over the last year several transit operators, most notably BART and Caltrain, have recorded small drops in ridership. At the same time, local public transit has been augmented and complemented by the emergence of privately operated employer-based commuter shuttles and on-demand services (e.g. Lyft and Uber).

As a means to reduce emissions from single occupancy vehicles, the Bay Area Air Quality Management District (Air District) has offered grant funding to public transit agencies who provide first- and last-mile shuttle services that connect passengers during commute hours between mass-transit and employment centers. In the past five years, the Air District has awarded approximately \$3.5 million in Transportation Fund for Clean Air (TFCA) funding to 7 to 10 projects each year, most of which are projects that have been awarded funds annually for 10 or more years. However, over time, the air quality benefits of these projects have lessened as the region's light-duty vehicle fleet has become cleaner at a faster rate than medium- and heavy-duty vehicles used in shuttle service. As such, some of the shuttle and ridesharing services are becoming less effective at reducing emissions and improving air quality, hence less able to meet the cost-effective eligibility requirements of the TFCA funds.

The Air District has also worked to expand options for improving commute options for Bay Area employees through its Bay Area Commuter Benefits Program, which was jointly implemented by the Air District and Metropolitan Transportation Commission (MTC), and signed into law by Governor Edmund G. Brown, Jr. in 2016. This program mandates that larger businesses (those with 50 or more employees) provide at least one type of commuter benefit to their employees, which includes the option to provide free or low-cost employer-provided shuttle services.

DISCUSSION

In 2016, MTC and the Bay Area Council conducted the Bay Area Shuttle Census, which collected data from FYE 2013 to 2015 on the following: 1) shuttle fleet ridership across the Bay Area; 2) number of vehicles in the shuttle fleet; 3) capacity of vehicles in the shuttle fleet; 4) total vehicle-miles traveled of the shuttle fleet; and 5) county of origin and destination of each shuttle route. For the purpose of the Shuttle Census, shuttle service is defined as *regularly scheduled transportation services in large multi-passenger vehicles operating as either last-mile connections or serving longer routes between more distant regions of the Bay Area.*

The Bay Area Shuttle Census represents the first attempt to gather information on shuttle services to better understand the role public and private shuttle services play in the Bay Area's transportation system. These shuttle services are sponsored by employers, institutions, nonprofits, and local jurisdictions. Overall the results of the first Shuttle Census show that if shuttles collectively were treated as one transit system, they would represent the seventh largest transit system in the Bay Area in terms of ridership. In reality, shuttles are likely an even larger part of the transportation system as the first Shuttle Census was not able to capture data from all shuttle services. From FYE 2013 to 2015, ridership on shuttles included in the Shuttle Census increased by over 45% while the size of the shuttle fleet increased by 62%.

At the January 26th meeting, the Committee will receive an informational update from Air District staff, along with representatives from the MTC and the Bay Area Council, who will provide a summary of transit, shuttle trends, and findings from the Bay Area Shuttle Census.

BUDGET CONSIDERATION / FINANCIAL IMPACT

None.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: Linda Hui and William Bacon (MTC)
Reviewed by: 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: January 13, 2017

Re: Update on Efforts to Further Reduce Emissions at the Port of Oakland

RECOMMENDATION

None; receive and file.

BACKGROUND

The Port of Oakland (Port) is the fifth largest container port in the United States and the second largest in the State of California behind the combined ports of Los Angeles and Long Beach. Established in 1927, the Port is home to 18 ship berths, 36 container cranes, two rail yards, approximately 500 pieces of cargo handling equipment and approximately 2,500 trucks. In 2016, the Port moved 2.37 million 20-foot equivalent units (TEU) in to and out of the Bay Area. This flow of containers is associated with over \$600 billion in goods that are linked to approximately 32% of the jobs in the Bay Area.

The Port and former Oakland Army Base redevelopment project (OAB) border the West Oakland and in 2008, the California Air Resources Board (ARB) in partnership with the Bay Area Air Quality Management District (Air District) conducted a health risk assessment (HRA) to determine what emission sources were contributing to poor air quality in that community. That HRA indicated that the health risk from toxic air pollution (primarily diesel particulate matter, or DPM) in West Oakland was three times higher than any other community in the Bay Area. Based on the results of the HRA, the Air District Board of Director's instructed staff to utilize all available options at its disposal to reduce this health risk. The Air District in partnership with the ARB, United States Environmental Protection Agency, Port, industry, and local community instituted policies and actions which:

- Devised the Marine Air Quality Improvement Plan which targets an 85% reduction in DPM emissions by 2020;
- Instituted and enforced regulations on drayage trucks, harbor craft, off-road equipment, oceangoing vessels and cargo handling equipment;
- Instituted and enforced a noncompliant truck ban under the Port's authority;
- Performed real-time monitoring of emissions in the West Oakland community;
- Invested \$33 million in grant funding to initially retrofit 1,319 trucks and to subsequently replace an additional 627 trucks;
- Invested \$24.5 million to install shore side power at 15 berths at the Port.

These efforts, in combination with implementation of ARB regulations requiring emissions reductions from cargo handling equipment, drayage trucks, refrigerated transportation units, oceangoing vessels, harbor craft and ships at berth, have significantly reduced DPM emissions from marine operations (by possibly as much as 76% according to latest inventory produced by the Port). Additionally, ARB regulations have led to significant emissions reductions from on-road truck traffic using the highways surrounding the West Oakland community.

While this is good news, the science around the health risk posed by DPM has changed significantly since 2008. Recent changes to the guidelines governing the assessment of health risk, developed by the California Office of Environmental Health Hazard Assessment (OEHHA), have increased the health risk from DPM by a factor of approximately 3 to 4 times of those originally used in the 2008 HRA. This means that while DPM emissions have been reduced significantly, remaining emissions have a greater impact on the community's health than previously believed.

DISCUSSION

Recognizing that: 1) there is an increased health risk from DPM; 2) the numbers of equipment needed to move that cargo at the Port and OAB are projected to increase in line with cargo volume increases; and 3) that the Air District's Community Air Risk Evaluation (CARE) current regional risk projections show that West Oakland remains the most highly impacted community in the Bay Area relative to exposure to toxic air contaminants; Air District staff initiated an inquiry during summer 2016 to assess how emissions might be further reduced from Port maritime operations.

This effort includes updating the equipment inventories for the Port, trying to understand what may be developed at OAB, reviewing the planning frameworks at the local, state and federal levels to determine how an equipment replacement project integrates with those plans, examining how the authorities of the various regulatory agencies (Port, City of Oakland, ARB, etc.) might be used to reduce emissions, looking at initiatives at other California ports and conducting a comprehensive evaluation of feasible technologies that can employed to get further emissions reductions. The Air District has also met with representatives from the City of Oakland, Port, ARB, Metropolitan Transportation Commission, Alameda County Transportation Commission, industry, and other stakeholders for their input into this process and to gather information needed to complete its assessment.

In conjunction with this effort, the Air District is also working to update its projections for health risk in the region by conducting research into truck emissions at the Port and on Bay Area highways in conjunction with the ARB and UC Berkeley, by utilizing new equipment inventory information, and new OEEHA guidelines. We are projecting this work to be completed in 2017.

At the January 26th meeting, the Committee will receive an informational update on the Air District's efforts to date and its next steps to complete this assessment. This project is anticipated to be completed over the next few months, at which point, staff will return to the Committee to share its recommendations and key findings from this comprehensive inquiry.

BUDGET CONSIDERATION / FINANCIAL IMPACT

None.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: Karen Schkolnick
Reviewed by: Damian Breen