



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

BOARD OF DIRECTORS  
MOBILE SOURCE COMMITTEE

COMMITTEE MEMBERS

SCOTT HAGGERTY – CHAIR      DAVID CANEPA – VICE CHAIR  
JOHN AVALOS  
CAROLE GROOM                  TOM BATES  
REBECCA KAPLAN              DAVID E. HUDSON  
   NATE MILEY  
   KAREN MITCHOFF

THURSDAY  
MAY 5, 2016  
9:30 A.M.

7<sup>TH</sup> FLOOR BOARD ROOM  
939 ELLIS STREET  
SAN FRANCISCO, CA 94109

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, 939 Ellis Street, San Francisco, CA, 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/The-Air-District/Board-of-Directors/Agendas-and-Minutes.aspx> at the time of the meeting.*

Staff/Phone (415) 749-

3. **APPROVAL OF THE MINUTES OF FEBRUARY 25, 2016**      Clerk of the Boards/5073

*The Committee will consider approving the attached draft minutes of the Mobile Source Committee meeting of February 25, 2016.*

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 and Transportation Fund for Clean Air 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. **SELECTION OF VEHICLE BUY-BACK PROGRAM CONTRACTORS**

K. Schkolnick/5070  
[kschkolnick@baaqmd.gov](mailto:kschkolnick@baaqmd.gov)

*The Committee will consider recommending Board of Directors approval of contractors to continue the administration of the Air District's Vehicle Buy Back (VBB) Program.*

6. **FISCAL YEAR ENDING (FYE) 2017 TRANSPORTATION FUND FOR CLEAN AIR (TFCA) COUNTY PROGRAM MANAGER (CPM) EXPENDITURE PLANS AND PROPOSED AMENDMENTS TO TWO FYE 2017 CPM POLICIES (RIDESHARING AND SHUTTLE/FEEDER BUS SERVICES)**

K. Schkolnick/5070  
[kschkolnick@baaqmd.gov](mailto:kschkolnick@baaqmd.gov)

*The Committee will consider recommending Board of Directors approval of the Fiscal Year Ending (FYE) 2017 Transportation Fund for Clean Air (TFCA) Program Manager Expenditure Plans and proposed amendments to FYE 2017 CPM Policies (Ridesharing and Shuttle/Feeder Bus Services).*

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, June 23, 2016, 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**  
**939 ELLIS STREET, SAN FRANCISCO, CA 94109**  
**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.
- **Accessibility and Title VI:** The Air District provides services and accommodations upon request to persons with disabilities and individuals who are limited-English proficient who wish to address Board matters. For accommodations or translations assistance, please call 415-749-5016 at least three days in advance of a meeting, so that arrangements can be made accordingly.

**Accesibilidad y Título VI:** El Distrito del Aire ofrece servicios y realiza las adaptaciones necesarias para las personas con discapacidades y para las personas con un dominio limitado del inglés siempre que estos servicios se soliciten y se deseen tratar asuntos relacionados con la Junta. Si necesita ayuda con algún tipo de adaptación o traducción, llame al 415-749-5016 como mínimo tres días antes de la reunión de manera que puedan realizarse las adaptaciones necesarias.

**Magagamit na Tulong at Título VI:** Nagbibigay ang Air District ng mga serbisyo at mga akomodasyon, kapag hiniling, sa mga taong may kapansanan at mga taong limitado ang kakayahan sa Ingles na gustong magpahayag tungkol sa mga usapin sa harap ng Lupon. Para sa mga tulong sa akomodasyon o sa pagsasalín, mangyaring tumawag sa 415-749-5016 nang tatlong araw man lamang na una pa sa miting, para makapaghanda ayon sa pangangailangan.

**可及度及標題VI：**空氣管理局根據申請為殘障人士和英語熟練程度有限但卻希望參與董事會事宜的人員提供服務和住宿。關於住宿或者翻譯幫助，請至少在會議之前三天致電 415-749-5016，以便作出相應安排。

**Tạo Khả Năng Truy Cập và Chương VI:** Đặc Khu cung cấp dịch vụ và phương tiện đáp ứng, khi có yêu cầu, cho những người bị khuyết tật và cho những cá nhân không thông thạo Anh ngữ muốn được tham gia các vấn đề của Hội Đồng. Để được phương tiện đáp ứng hoặc trợ giúp phiên dịch, xin gọi số 415-749-5016 ít nhất ba ngày trước khi có hội thảo, để tiện bố trí các phương tiện

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 939 Ellis Street, San Francisco, CA 94109, at the time such writing is made available to all, or a majority of all, members of that body

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**  
**939 ELLIS STREET, SAN FRANCISCO, CALIFORNIA 94109**  
**FOR QUESTIONS PLEASE CALL (415) 749-5016 or (415) 749-4941**

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

**APRIL 2016**

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
<b>Board of Directors Mobile Source Committee</b> <i>(Meets on the 4<sup>th</sup> Thursday of each Month)</i> - CANCELLED	Thursday	28	9:30 a.m.	Board Room

**MAY 2016**

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
<b>Board of Directors Public Engagement Committee</b> <i>(At the Call of the Chair)</i>	Monday	2	9:30 a.m.	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> - CANCELLED	Wednesday	4	9:45 a.m.	Board Room
<b>Board of Directors Mobile Source Committee</b> <i>(Meets on the 4<sup>th</sup> Thursday of each Month)</i>	Thursday	5	9:30 a.m.	Board Room
<b>Board of Directors Executive Committee</b> <i>(Meets on the 3<sup>rd</sup> Monday of each Month)</i>	Monday	16	9:30 a.m.	Board Room
<b>Board of Directors Stationary Source Committee</b> <i>(Meets on the 3<sup>rd</sup> Monday of each Month)</i> - CANCELLED & RESCHEDULED TO WEDNESDAY, JUNE 1, 2016 AT 9:30 A.M.	Monday	16	10:30 a.m.	Board Room
<b>Board of Directors Ad Hoc Building Oversight Committee</b> <i>(At the Call of the Chair)</i> -CANCELLED	Wednesday	18	9:30 a.m.	Board Room
<b>Special Board of Directors Meeting - Budget Hearing</b> <i>(At the Call of the Chair)</i>	Wednesday	18	9:45 a.m.	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	18	9:45 a.m.	Board Room

## MAY 2016

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
<b>Board of Directors Climate Protection Committee</b> ( <i>Meets on the 3<sup>rd</sup> Thursday of every other month</i> ) - CANCELLED	Thursday	19	9:30 a.m.	Board Room
<b>Board of Directors Budget &amp; Finance Committee</b> ( <i>Meets on the 4<sup>th</sup> Wednesday of each Month</i> ) - CANCELLED	Wednesday	25	9:30 a.m.	Board Room
<b>Board of Directors Mobile Source Committee</b> ( <i>Meets on the 4<sup>th</sup> Thursday of each Month</i> ) - CANCELLED	Thursday	26	9:30 a.m.	Board Room

## JUNE 2016

<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> ) - CANCELLED	Wednesday	1	9:45 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> )	Wednesday	1	9:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Special Meeting as the Sole Member of The Bay Area Clean Air Foundation</b>	Wednesday	15	9:45 a.m.	1 <sup>st</sup> Floor Boardroom
<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 Executive Committee</b> ( <i>Meets on the 3<sup>rd</sup> Monday of each Month</i> ) - CANCELLED	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> ) - 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> ) - CANCELLED	Wednesday	22	9:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Mobile Source Committee</b> ( <i>Meets on the 4<sup>th</sup> Thursday of each Month</i> ) - CANCELLED	Thursday	23	9:30 a.m.	1 <sup>st</sup> Floor Board Room

MM – 4/26/16 (9:23 a.m.)

G/Board/Executive Office/Moncal

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**  
Memorandum

To: Chairperson Scott Haggerty and Members  
of the Mobile Source Committee

From: Jack P. Broadbent  
Executive Officer/Air Pollution Control Officer

Date: April 20, 2016

Re: Approval of the Minutes of February 25, 2016

RECOMMENDED ACTION

Approve attached draft minutes of the Mobile Source Committee (Committee) meeting of February 25, 2016.

DISCUSSION

Attached for your review and approval are the draft minutes of the Committee meeting of February 25, 2016.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Tom Flannigan  
Reviewed by: Maricela Martinez

Attachment: Draft Minutes of the Committee Meeting of February 25, 2016

## AGENDA 3 – ATTACHMENT

Draft Minutes – Mobile Source Committee Meeting of February 25, 2016

Bay Area Air Quality Management District  
939 Ellis Street  
San Francisco, California 94109  
(415) 749-5073

### DRAFT MINUTES

Summary of Board of Directors  
Mobile Source Committee Meeting  
Thursday, February 25, 2016

#### 1. CALL TO ORDER – ROLL CALL

Mobile Source Committee (Committee) Secretary David Hudson called the meeting to order at 9:37 a.m.

Present: Chairperson Scott Haggerty; and Directors John Avalos, Tom Bates, Carole Groom, David Hudson, Nate Miley and Karen Mitchoff.

Absent: Vice-Chairperson David Canepa and Director Jan Pepper.

Also Present: None.

2. **PUBLIC COMMENT PERIOD:** No requests received.

#### 3. AIR DISTRICT GRANT PROGRAMS OVERVIEW (OUT OF ORDER AGENDA ITEM 5)

NOTED PRESENT: Chairperson Haggerty was noted present at 9:42 a.m.

Karen Schkolnick, Acting Director of the Strategic Incentives Division, introduced the topic and gave the staff presentation *Air District Grant Programs Overview*, including an overview and background; 2015 Strategic Incentives Division (SID) Highlights; 2015 allocations; 2015 allocations by county; 2015 Carl Moyer Program (CMP) allocations; 2015 Transportation for Clean Air (TFCA) Regional Fund allocations; 2015 Mobile Source Incentive Fund (MSIF) and Goods Movement Program (GMP); 2015 emissions reduction; allocations since 2011; and 2016 funding projections and priorities; and new initiatives for 2016.

The Committee and staff discussed the cost-benefit ratio regarding the volume of emissions that were reduced as a result of the District's allocation of \$51 million in 2015; enhanced mobile source enforcement statistics; and an explanation of the colors on the map of slide 13 (*2016 Funding Priorities*) was given.

Ms. Schkolnick concluded the presentation with new initiatives for 2016.

Committee Comments:

The Committee and staff discussed the types of vehicles allowed in the Vehicle Buy Back program; and the process for retiring older vehicles within the program.

Public Comments: No requests received.

Committee Action:

None; receive and file

**4. APPROVAL OF THE MINUTES OF JANUARY 28, 2016 (AGENDA ITEM 3)**

Committee Comments: None.

Public Comments: No requests received.

Committee Action:

Director Hudson made a motion, seconded by Director Mitchoff, to approve the Minutes of January 28, 2016; and the motion carried by the following vote of the Committee:

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

**5. PROJECTS AND CONTRACTS WITH PROPOSED GRANT AWARDS OVER \$100,000 (AGENDA ITEM 4)**

Ms. Schkolnick introduced Judy Williams, Administrative Analyst of the Strategic Incentives Division, who gave the staff presentation *Projects with Proposed Awards over \$100,000*, including an overview of the CMP, MSIF, and TFCA; CMP year 17; CMP and MSIF awards; TFCA funds; and recommendations.

Committee Comments:

The Committee and staff discussed the relationship between episodic zones and other Community Air Risk Evaluation (CARE) areas; and the accuracy of data in the project chart in Attachment 4, *Summary of all TFCA Approved and Eligible Projects*.

Public Comments: No requests received.

Committee Action:

Director Hudson 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, Bates, Groom, Haggerty, Hudson, Miley and Mitchoff.  
NOES: None.  
ABSTAIN: None.  
ABSENT: Canepa and Pepper.

**6. PARTICIPATION IN YEAR 18 OF THE CARL MOYER PROGRAM AND 2016 CALTRAIN FUNDING PLAN**

Anthony Fournier, SID manager, introduced the topic and gave the staff presentation *Participation in Year 18 of the Carl Moyer Program and 2016 Caltrain Funding Plan*, including an overview of the program; funding sources; CMP Year 18 funding and implementation; Caltrain Funding Plan; and recommendations.

Committee Comments:

The Committee and staff discussed the accumulation of MSIF revenue; rate of CMP project completion; frequency of reallocation of unexpended MSIF funds; and differentiation between the Caltrain electrification project and California High-Speed Rail project.

Public Comments: No requests received.

Committee Action:

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

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

**7. FISCAL YEAR ENDING (FYE) 2017 TRANSPORTATION FUND FOR CLEAN AIR (TFCA) FUNDING ALLOCATIONS**

Ms. Schkolnick introduced Chengfeng Wang, SID Supervisor, who gave the staff presentation *Fiscal Year Ending (FYE) 2017, Transportation Fund for Clean Air (TFCA) Funding Allocations*, including FYE 2017 TFCA Expenditure Plan; trip reduction; bike facilities; clean air vehicles; enhanced mobile source enforcement/commuter benefits; other air district-led programs; cost-effectiveness limits; and staff recommendations.

Committee Comments:

The Committee and staff discussed the cost-effectiveness of different types of vehicles and contracting possibilities of private shuttle operators within the District's Last-Mile program; the District's prospect of a zero-emissions vehicle fleet; and the potential for funding autonomous shuttle ride share projects.

Committee Action:

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

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

**8. COMMITTEE MEMBER COMMENTS:** None.

**9. TIME AND PLACE OF NEXT MEETING:**

*Thursday, April 28, 2016, Bay Area Air Quality Management District Office, 939 Ellis Street, San Francisco, California 94109 at 9:30 a.m.*

**10. ADJOURNMENT:** The meeting adjourned at 10:55 a.m.

Tom Flannigan  
Clerk of the Boards

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Scott Haggerty and Members  
of the Mobile Source Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: April 15, 2016

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

RECOMMENDATIONS

Recommend Board of Directors:

1. Approve Carl Moyer Program (CMP) and Transportation Fund for Clean Air (TFCA) projects with proposed grant awards over \$100,000 as shown in Attachment 1;
2. Authorize the Executive Officer/APCO to enter into agreements for the recommended projects; and
3. Adopt a resolution that authorizes the Executive Officer/APCO to accept, obligate, and expend Congestion Mitigation and Air Quality Improvement ("CMAQ") grant funding for electric vehicle signage and education.

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 (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 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 18, 2015, the Board of Directors (Board) authorized Air District participation in Year 17 of the CMP, and authorized the Executive Officer/APCO to execute Grant Agreements and amendments for projects funded with CMP funds or MSIF revenues, with individual grant award amounts up to \$100,000.

In 1991, the California State Legislature authorized the Air District to impose a \$4 surcharge on motor vehicles registered within the nine-county Bay Area to fund projects that reduce on-road

motor vehicle emissions within the Air District's jurisdiction. The statutory authority for the Transportation Fund for Clean Air (TFCA) and requirements of the program are set forth in California HSC Sections 44241 and 44242. Each year, the Board allocates funding and adopts policies and evaluation criteria that govern the expenditure of TFCA funding.

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, Plug-in Electric Vehicle Program) and to a program referred to as the TFCA Regional Fund.

CMP and TFCA 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

### **Carl Moyer Program:**

The Air District started accepting project applications for the CMP Year 17 funding cycle on August 17, 2015. The Air District has approximately \$9 million available for CMP projects from a combination of MSIF and CMP funds for the Year 17 cycle. Project applications are being accepted and evaluated on a first-come, first-served basis.

As of April 13, 2016, the Air District had received 55 project applications for the CMP Year 17 cycle. Of the applications that have been evaluated between February 3, 2016 and April 13, 2016, six eligible projects have proposed individual grant awards over \$100,000. These projects will replace two tractors, three loaders, four marine engines, and one off-highway truck. These projects will reduce over 12.84 tons of NO<sub>x</sub>, ROG and PM per year. Staff recommends the allocation of \$1,733,610 to 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 April 13, 2016, 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 16% 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 \$118 million awarded to 732 projects).

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

On May 6, 2015, the Board allocated \$24.47 million in TFCA funding for eligible projects in Fiscal Year Ending (FYE) 2016, authorized cost-effectiveness limits and evaluation criteria for Air District-sponsored FYE 2016 programs, and authorized the Executive Officer/APCO to execute Grant Agreements and amendments for TFCA-funded projects with individual grant award amounts up to \$100,000. On July 29, 2015, the Board adopted policies and evaluation criteria for the FYE 2016 TFCA Regional Fund program. To date, the Air District has opened TFCA-funded solicitations for shuttle and rideshare, electronic bicycle locker, bicycle rack, hydrogen fueling station, plug-in electric vehicle, electric vehicle (EV) charging station, and heavy-duty zero-emission vehicle projects.

As of April 13, 2016 the Air District had received 115 applications for FYE 2016 funding. To date, the Air District has evaluated 94 applications, of which 71 projects were approved or recommended for funding; 17 projects were not recommended; and six applications were withdrawn.

Of the applications that have been evaluated between February 4, 2016 and April 13, 2016, five eligible projects proposed an individual grant award over \$100,000:

- Project #16EV024 will deploy a set of 20 dual-port Level 2 electric vehicle (EV) charging stations integrated with roof-top solar in four garages owned by the City of Palo Alto. These charging stations will also be owned and operated by the city.
- Project #16EV032 will deploy a set of nine dual-port Level 2 EV charging stations integrated with roof-top solar in three of the four city-owned garages in Palo Alto that will augment the charging stations deployed by the city in #16EV024. These charging stations will be owned and operated by Komuna Energy.
- Project #16EV058 will deploy four dual-connector DC fast and 24 dual-port Level 2 charging stations at seven city-owned public parking facilities in Oakland.
- Project #16DCFC04 will deploy eight dual-connector DC fast and 48 single-port Level 2 charging stations at Kaiser Permanente hospitals in eight cities and includes \$99,950 of California Energy Commission (CEC) funds.
- Project #16DCFC05 will deploy seven dual-connector DC fast and six single-port Level 2 charging stations at shopping centers in seven cities and includes \$99,900 of CEC funds.

The award amounts for projects #16DCFC01, -02, -03, -04, and -05 include a total of \$239,850 of CEC funds. Pending Air District Board approval of the TFCA portion of the awards for #16DCFC04 and 16DCFC05, staff will submit these projects to CEC for approval.

In addition to the five projects listed above, the Air District received an application from Contra Costa Transportation Authority requesting \$1,000,000 for a pilot project to test two Shared Autonomous Vehicle (SAV) shuttles in Phase 1 and deploy approximately 150 SAV shuttles in Contra Costa County in Phase 2. Contingent on a successful testing in Phase 1, two SAVs would initially be deployed at Bishop Ranch and will be tested at non-public roads, followed by testing in public roads of the business park. These two SAVs would be available to approximately 3,000 commuters to transport them between the employment centers and the main bus station at the business park. Phase 2 will deploy approximately 150 SAV shuttles throughout Contra Costa County to connect passengers from mass transit stations to and from their destinations and homes. Although the Air District does not have an open solicitation for a project of this type, staff has evaluated this project and found that the proposal meets all of the requirements of the pilot trip reduction project category. Successful deployment of Phase 2 is expected to eliminate over 115,000 single vehicle occupancy commute trips per year, reduce criteria pollutant emissions by 1.50 tons per year, and reduce tailpipe greenhouse gas emissions by approximately 1,300 tons per year, resulting in a cost-effectiveness of \$199,374 per ton. Based on the estimated emissions reductions, staff recommends an award of 1 million dollars for this project.

Together, these six projects will reduce about 2.12 tons of NO<sub>x</sub>, ROG, and PM per year. Staff determined that these projects conform to the provisions of HSC 44241 and the Board-adopted policies and recommends awarding \$2,584,850 to these projects. Attachment 1, Table 2, provides additional information on these projects.

Attachment 4 lists all of the 71 eligible TFCA projects that have been evaluated by the Air District as of April 13, 2016. Attachment 5 summarizes the allocation of funding by project category (Figure 1), and county (Figure 2). In total, these 71 projects represent approximately \$9.7 million in funding awards, which include TFCA funds, \$450,000 in Reformulated Gasoline (RFG) Settlement funds, and \$239,850 in California Energy Commission (CEC) funds. These projects will reduce approximately 51.69 tons of NOx, ROG, and PM, and over 28,000 tons of tailpipe greenhouse gas emissions per year. Approximately 44% of the TFCA funds awarded have been awarded to projects that reduce emissions in highly impacted Bay Area communities.

**Resolution to accept, obligate, and expend \$400,000 in CMAQ funds:**

On May 6 2015, the Air District Board of Directors authorized the Executive Officer/APCO to execute all contracts necessary to accept, appropriate, and expend Congestion Mitigation and Air Quality Improvement (CMAQ) Program funding awarded by the Metropolitan Transportation Commission (MTC). This funding will be used to implement the outreach described in the Bay Area Plug-in Electric Vehicle (PEV) Readiness Plan, and to fund signage and outreach activities.

A resolution must be adopted by the Air District's Board of Directors in order to enter into contract with Caltrans who administers these funds. The resolution in Attachment 6 addresses this requirement and authorizes the Executive Officer/APCO to accept, obligate, and expend the \$400,000 in CMAQ funds.

BUDGET CONSIDERATION / FINANCIAL IMPACT

None. Through the CMP, MSIF and TFCA, 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 and Ken Mak  
Reviewed by: Chengfeng Wang and Karen Schkolnick

- Attachment 1: Projects with grant awards greater than \$100,000 (evaluated between 2/3/16 and 4/13/16)
- Attachment 2: Summary of all CMP/ MSIF and VIP approved and eligible projects (evaluated between 11/20/15 and 4/13/16)
- Attachment 3: Summary of program distribution by county and equipment category for CMP, MSIF, VBB, and VIP funding since 2009.
- Attachment 4: Summary of all TFCA-approved and eligible projects (evaluated between 7/1/2015 and 4/13/16)
- Attachment 5: Summary of distribution of TFCA funds by county and project category (evaluated between 7/1/15 and 4/13/16)
- Attachment 6: Board Resolution to accept, obligate, and expend \$400,000 in CMAQ funding

**AGENDA 4 - ATTACHMENT 1**

**Table 1 - Summary of Carl Moyer Program/ Mobile Source Incentive Fund projects with grant awards greater than \$100k (Evaluated between 2/3/16 and 4/13/16)**

Project #	Applicant name	Equipment category	Project description	Proposed contract award	Total project cost	Emission Reductions (Tons per year)			County
						NOx	ROG	PM	
17MOY34	F/V Miss Hailee (Commercial fishing)	Marine	Replacement of two diesel marine engines.	\$ 176,000.00	\$ 222,357.00	0.950	0.021	0.038	San Francisco
17MOY41	David J. Shogren (Commercial fishing)	Marine	Replacement of two diesel marine engines.	\$ 212,000.00	\$ 257,656.99	0.994	0.004	0.044	Solano
17MOY47	Andrew Poncia dba Poncia Fertilizer Spreading	Ag/ off-road	Replacement of one diesel tractor.	\$ 121,360.00	\$ 151,700.00	0.474	0.049	0.017	Sonoma
17MOY48	Mertens Dairy	Ag/ off-road	Replacement of one diesel loader.	\$ 182,750.00	\$ 288,440.63	1.352	0.162	0.058	Sonoma
17MOY44	Andrew Poncia dba Poncia Fertilizer Spreading	Ag/ off-road	Replacement of one diesel loader.	\$ 103,500.00	\$ 271,405.00	0.388	0.012	0.012	Sonoma
17MOY53	Hanson Aggregates, Mid-Pacific, Inc.	Off-road	Replacement of one loader, one tractor, and one off-highway truck.	\$ 938,000.00	\$ 3,083,226.00	7.167	0.812	0.287	Contra Costa
<b>6 Projects</b>				<b>\$ 1,733,610.00</b>		<b>11.326</b>	<b>1.061</b>	<b>0.456</b>	

**Table 2 - Summary of Transportation Fund for Clean Air projects with grant awards greater than \$100k (Evaluated between 2/4/16 and 4/13/16)**

Project #	Project Sponsor	Project Category	Project Description	City	Est. C/E	Proposed Contract Award	Emission Reductions (Tons per year)			County
							NO <sub>x</sub>	ROG	PM	
16EV024	City of Palo Alto	Plug-in Electric Vehicles (PEV)	Install 20 dual-port Level 2 charging stations (with solar) in Palo Alto	Palo Alto	\$500,000	\$240,000	0.031	0.040	0.004	Santa Clara
16EV032	Komuna Energy, LLC	PEV	Install 9 dual-port Level 2 charging stations (with solar) in Palo Alto	Palo Alto	\$500,000	\$108,000	0.014	0.018	0.002	Santa Clara
16EV058	City of Oakland	PEV	Install 4 dual-connector DC fast and 24 dual-port Level 2 charging stations in Oakland	Oakland	\$250,000	\$244,000	0.063	0.081	0.027	Alameda
16DCFC04	Clean Fuel Connection	PEV	Install 8 single-port DC fast w/dual connectors and 48 Level 2 charging stations (with solar) in 7 cities in 4 counties	Regional	\$440,000	\$699,950	0.089	0.115	0.013	Regional
16DCFC05	NRG EV Services	PEV	Install 7 DC fast - single units w/dual connectors and 6 Level 2 charging stations in 7 cities in 5 counties	Regional	\$250,000	\$292,900	0.050	0.064	0.007	Regional
16R30	Contra Costa Transportation Authority	Pilot Trip Reduction	Bishop Ranch Business Park Shared Autonomous Vehicle Shuttle Pilot	San Ramon	\$84,009	\$1,000,000	0.580	0.629	0.295	Contra Costa
<b>6 Projects</b>						<b>\$ 2,584,850</b>	<b>0.828</b>	<b>0.948</b>	<b>0.348</b>	

\*Award amount for these projects include \$199,850 in California Energy Commission (CEC) funds, pending CEC approval.



## AGENDA 4 - ATTACHMENT 2

*Summary of all CMP, MSIF and VIP approved/ eligible projects (between 11/20/15 and 4/13/16)*

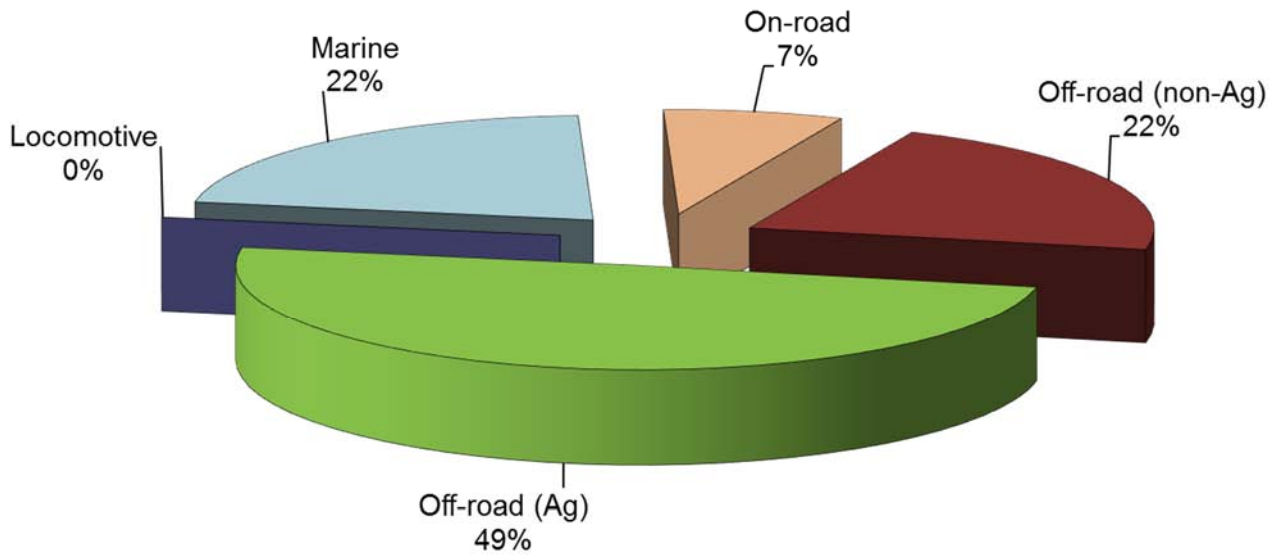
Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	Emission Reductions (Tons per year)			Board approval date	County
						NOx	ROG	PM		
17MOY5	Ag/ off-road	Equipment replacement	1	\$ 249,000.00	Ironhouse Sanitary District	0.925	0.078	0.027	12/16/2015	Contra Costa
17MOY8	Marine	Engine replacement	1	\$ 117,400.00	Andrew Guiliano, DBA, Andrew Guiliano (Charter fishing)	0.407	0.025	0.015	12/16/2015	Contra Costa
17MOY7	Off-road	Engine replacement	3	\$ 213,500.00	Dees- Hennessey, Inc. (Construction)	0.966	0.109	0.038	12/16/2015	San Mateo
17MOY1	Ag/ off-road	Equipment replacement	3	\$ 126,370.00	Robert Giacomini Dairy, Inc.	0.357	0.055	0.023	12/16/2015	Marin
17MOY2	Ag/ off-road	Equipment replacement	1	\$ 60,710.00	Donald J. Moreda, Sr. (Dairy)	0.190	0.027	0.010	APCO	Sonoma
17MOY3	Marine	Engine replacement	1	\$ 154,500.00	Daniel Lazzari DBA Daniel Lazzari (Commercial fishing)	0.887	0.017	0.032	12/16/2015	San Francisco
16MOY97	Ag/ off-road	Equipment replacement	1	\$ 61,200.00	Imhof Tractor Service, Inc.	0.207	0.007	0.009	APCO	Alameda
17MOY6	Ag/ off-road	Equipment replacement	1	\$ 93,645.00	Gregory Lyons (Lyon's Farms)	0.339	0.048	0.021	APCO	Contra Costa
17MOY11	Ag/ off-road	Equipment replacement	2	\$ 337,232.00	Ben Silacci dba Silacci Dairy	2.628	0.307	0.109	12/16/2015	Sonoma
17MOY19	Ag/ off-road	Equipment replacement	1	\$ 120,650.00	Ghiggeri and Stonebarger, LLC	0.530	0.029	0.009	12/16/2015	Contra Costa
17MOY4	Off-road	Equipment replacement	1	\$ 33,150.00	Pacific Coast General Engineering, Inc.	0.161	0.027	0.010	APCO	Contra Costa
17MOY25	Ag/ off-road	Equipment replacement	1	\$ 172,820.00	Spring Hill Jersey Cheese	0.913	0.095	0.033	2/17/2016	Sonoma
17MOY18	Marine	Engine replacement	2	\$ 207,000.00	Tom Mattusch, DBA, F/V Huli Cat	1.393	-0.010	0.054	2/17/2016	San Mateo
17MOY28	Ag/ off-road	Equipment replacement	1	\$ 282,200.00	Lum Family Farms, Inc.	0.959	0.100	0.034	3/16/2016	Solano
17MOY40	Ag/ off-road	Equipment replacement	1	\$ 121,490.00	F.A. Maggiore & Sons, LLC	0.533	0.030	0.009	3/16/2016	Contra Costa
17MOY36	Ag/ off-road	Equipment replacement	1	\$ 129,595.00	Bayview Vineyards Corp.	0.601	0.061	0.023	3/16/2016	Napa
17MOY31	Marine	Engine replacement	1	\$ 145,800.00	Chris W. Lawson (Commercial fishing)	0.639	0.012	0.023	3/16/2016	San Mateo
17MOY26	Ag/ off-road	Equipment replacement	3	\$ 187,405.00	Diamond M Dairy	0.573	0.090	0.033	3/16/2016	Sonoma
17MOY29	Marine	Engine replacement	1	\$ 98,800.00	Richard L. Ogg II (Commercial fishing)	0.364	0.009	0.012	APCO	Sonoma
17MOY42	Marine	Engine replacement	1	\$ 70,000.00	Nicholas Krieger (Charter fishing)	0.393	0.009	0.015	APCO	San Francisco
17MOY15	Ag/ off-road	Equipment replacement	1	\$ 31,600.00	E & M Deniz Dairy	0.105	0.004	0.004	APCO	Sonoma
17MOY30	Marine	Engine replacement	1	\$ 78,500.00	Christian Troy Cavanaugh (Charter fishing)	0.234	0.000	0.013	APCO	Marin
17MOY20	Ag/ off-road	Equipment replacement	1	\$ 21,635.00	Cortina Vineyard Management	0.072	0.004	0.003	APCO	Napa
17MOY32	Ag/ off-road	Equipment replacement	1	\$ 48,210.00	Ronald William Cardoza (Farmer)	0.125	0.018	0.008	APCO	San Mateo
17MOY27	Ag/ off-road	Equipment replacement	2	\$ 52,300.00	Martinelli Brothers (Vineyard and orchard)	0.068	0.041	0.011	APCO	Sonoma
17MOY35	Ag/ off-road	Equipment replacement	1	\$ 76,690.00	R. Rossi Co. (Farmer)	0.458	0.065	0.023	APCO	San Mateo
17MOY39	Ag/ off-road	Equipment replacement	1	\$ 15,600.00	David Bertram (Cattle and vineyards)	0.021	0.012	0.003	APCO	Solano
17MOY37	Ag/ off-road	Equipment replacement	1	\$ 72,000.00	Kehoe Dairy, Inc.	0.226	0.027	0.010	APCO	Marin
17MOY16	Ag/ off-road	Equipment replacement	1	\$ 49,357.00	Poncía Family, LLC (Cattle and dairy)	0.274	0.039	0.014	APCO	Marin
17MOY38	Ag/ off-road	Equipment replacement	1	\$ 35,825.00	Dittmer Ranch	0.073	0.015	0.007	APCO	Solano
17MOY34	Marine	Engine replacement	2	\$ 176,000.00	F/V Miss Hailee (Commercial fishing)	0.950	0.021	0.038	TBD	San Francisco

## AGENDA 4 - ATTACHMENT 2

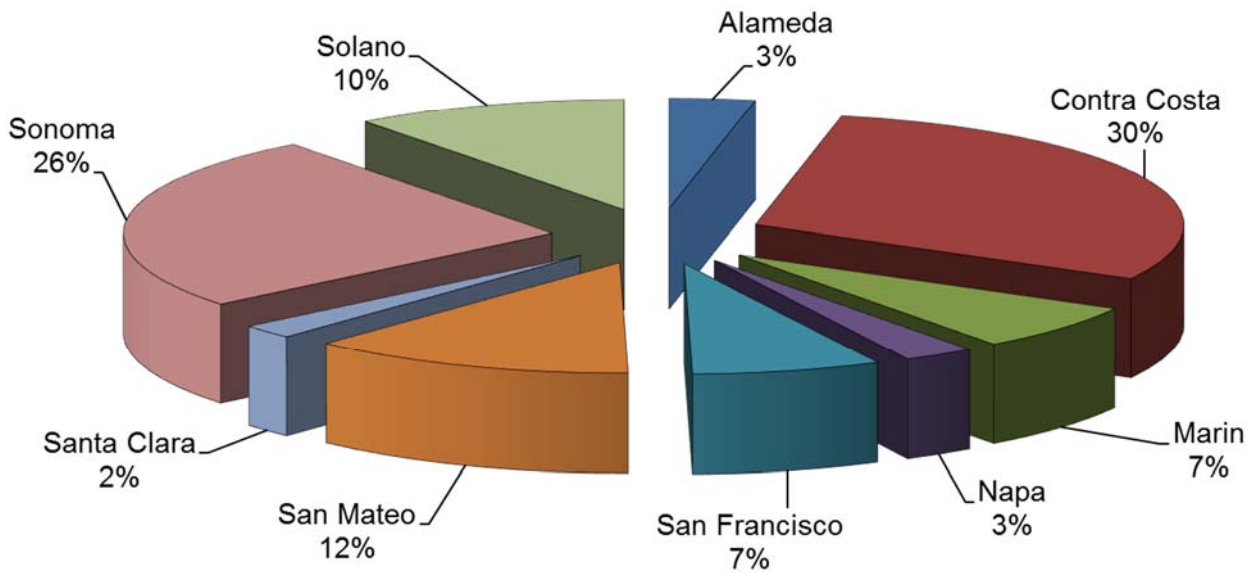
Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	Emission Reductions (Tons per year)			Board approval date	County
						NOx	ROG	PM		
17MOY41	Marine	Engine replacement	2	\$ 212,000.00	David J. Shogren (Commercial fishing)	0.994	0.004	0.044	TBD	Solano
17MOY21	Off-road	Equipment replacement	2	\$ 80,500.00	Economy Lumber Company of Oakland, Inc.	0.358	0.058	0.026	APCO	Alameda
17MOY47	Ag/ off-road	Equipment replacement	1	\$ 121,360.00	Andrew Poncia dba Poncia Fertilizer Spreading	0.474	0.049	0.017	TBD	Sonoma
17MOY45	Ag/ off-road	Equipment replacement	1	\$ 58,800.00	Bianchini, Inc. (Dairy)	0.124	0.022	0.011	APCO	Marin
17MOY48	Ag/ off-road	Equipment replacement	1	\$ 182,750.00	Mertens Dairy	1.352	0.162	0.058	TBD	Sonoma
17MOY44	Ag/ off-road	Equipment replacement	1	\$ 103,500.00	Andrew Poncia dba Poncia Fertilizer Spreading	0.388	0.012	0.012	TBD	Sonoma
17MOY52	Ag/ off-road	Equipment replacement	2	\$ 71,400.00	Peter C. Haywood (Vineyard)	0.136	0.029	0.014	APCO	Sonoma
17MOY53	Off-road	Equipment replacement	3	\$ 938,000.00	Hanson Aggregates, Mid-Pacific, Inc.	7.167	0.812	0.287	TBD	Contra Costa
VIP265	VIP	Truck Replacement	1	\$ 40,000.00	Tien Cong Huynh / Tai Cong Huynh	0.860	0.010	0.000	APCO	Alameda
VIP266	VIP	Truck Replacement	1	\$ 45,000.00	IEC Puno Trans Inc or Randy Puno	0.950	0.010	0.000	APCO	Santa Clara
VIP267	VIP	Truck Replacement	1	\$ 45,000.00	Martin S. Mileck	1.400	0.050	0.000	APCO	Mendocino
VIP268	VIP	Truck Replacement	1	\$ 35,000.00	Dennis E. Allen	0.700	0.020	0.000	APCO	Sacramento
VIP269	VIP	Truck Replacement	1	\$ 25,000.00	Steven R. Martini	0.560	0.020	0.000	APCO	Santa Clara
VIP270	VIP	Truck Replacement	1	\$ 45,000.00	Richard Jones	0.980	0.040	0.000	APCO	Tehama
VIP271	VIP	Truck Replacement	1	\$ 20,000.00	Gravel Sand and Soil Delivery LLC	0.460	0.020	0.000	APCO	Sonoma
VIP272	VIP	Truck Replacement	1	\$ 45,000.00	Gurjot Pawar	0.870	0.030	0.000	APCO	Santa Clara
VIP273	VIP	Truck Replacement	1	\$ 40,000.00	Guru Dutt Saini	0.840	0.010	0.000	APCO	San Joaquin
VIP274	VIP	Truck Replacement	1	\$ 35,000.00	Juan Cortes	1.710	0.020	0.000	APCO	Solano
VIP275	VIP	Truck Replacement	1	\$ 45,000.00	Miller Trucking Corp.	0.890	0.010	0.000	APCO	Shasta
<b>50 Projects</b>			<b>65</b>	<b>\$ 5,828,494.00</b>		<b>37.785</b>	<b>2.758</b>	<b>1.140</b>		

## AGENDA 4 - ATTACHMENT 2

**Figure 1: CMP/ MSIF Funding Distribution by Equipment Category as of 4/13/16**

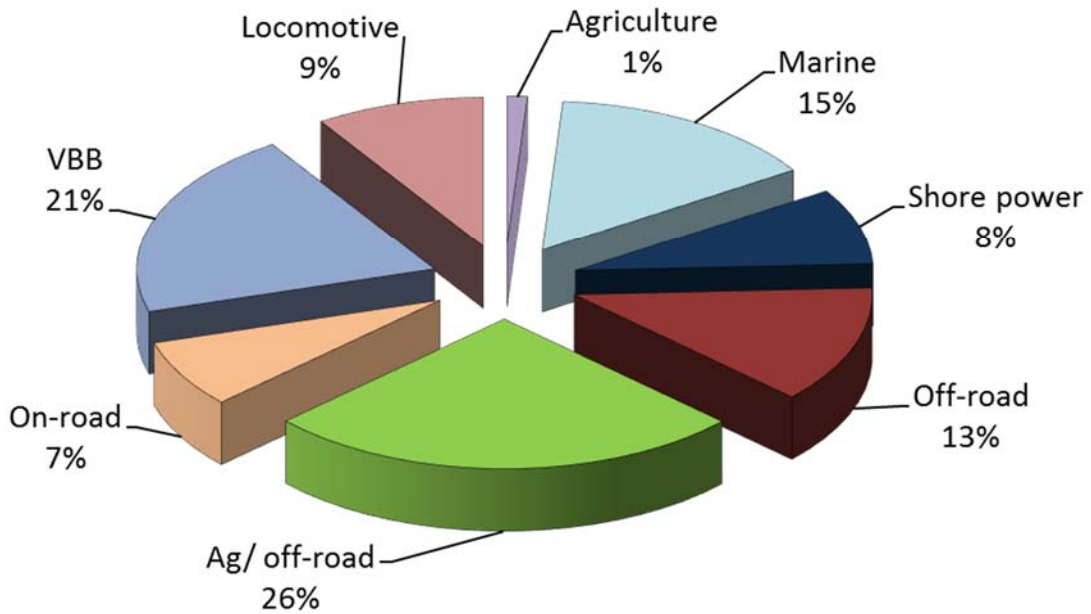


**Figure 2: CMP/ MSIF Funding Distribution by County as of 4/13/16**

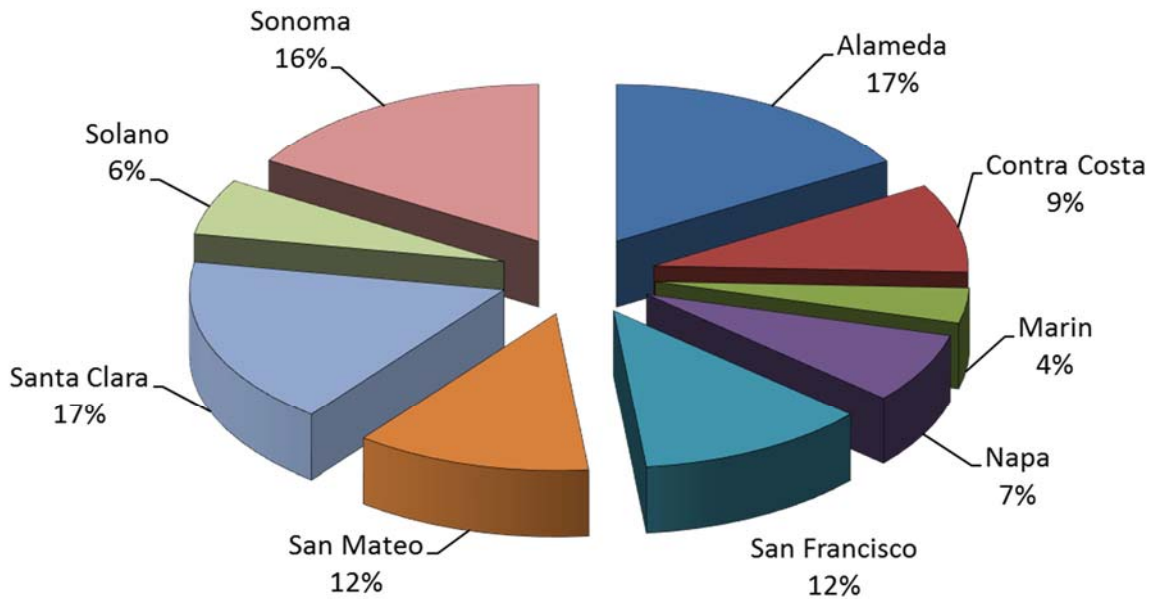


# AGENDA 4 - ATTACHMENT 3

**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**



## AGENDA 4 - ATTACHMENT 4

*Summary of all TFCA approved and eligible projects (evaluated between 7/1/2015 and 4/13/2016)*

Project #	Project Category	Project Description	Award Amount	Applicant Name	Emission Reductions (Tons per year)			Board Approval Date	CARE Area	County
					NO <sub>x</sub>	ROG	PM			
16EV001	Plug-in Electric Vehicles (PEV)	Install 10 single-port Level 2 charging stations in San Jose	\$30,000	Car Charging, Inc.	0.008	0.010	0.001	10/5/15	Yes	Santa Clara
16EV003	PEV	Install 39 single-port Level 2 charging stations (with solar) in San Francisco	\$234,000	Powertree Services Inc.	0.030	0.039	0.004	11/18/15	Yes	San Francisco
16EV004	PEV	Install 2 dual-port Level 2 charging stations in Dublin	\$12,000	S & V, LLC	0.003	0.004	0.000	10/5/15	Yes	Alameda
16EV005	PEV	Install 3 single-port DC charging stations (with solar) in Campbell	\$22,500	DTTC Properties, LLC	0.003	0.004	0.000	12/18/15	No	Santa Clara
16EV006	PEV	Install 7 dual-port Level 2 and 2 DC fast EV charging stations (with solar) in Rohnert Park	\$187,000	Sonoma Mountain Village, LLC	0.024	0.031	0.003	2/17/16	No	Sonoma
16EV009	PEV	Install 6 single-port Level 2 charging stations in Petaluma	\$18,000	Clear Blue Commercial	0.005	0.006	0.001	12/22/15	No	Sonoma
16EV010	PEV	Install 24 single-port DC charging stations (with solar) in Palo Alto	\$120,000	Palo Alto Research Center Incorporated	0.016	0.020	0.002	2/17/16	No	Santa Clara
16EV012	PEV	Install 98 dual-port Level 2 charging stations in Santa Clara	\$338,546	Santa Clara Campus Owners' Association	0.088	0.113	0.013	12/16/15	No	Santa Clara
16EV013	PEV	Install 24 single-port DC charging stations (with solar) in Mountain View	\$116,190	Intuit Inc.	0.015	0.019	0.002	2/17/2015	No	Santa Clara
16EV015	PEV	Install 8 dual-port Level 2 charging stations in Santa Rosa and Petaluma	\$48,000	Sonoma County Junior College District	0.012	0.016	0.002	2/18/16	No	Sonoma
16EV016	PEV	Install 20 single-port Level 2 charging stations in Vallejo	\$60,000	City of Vallejo	0.016	0.020	0.002	2/18/16	Yes	Solano
16EV019	PEV	Install 2 dual-port Level 2 charging stations in Hayward	\$12,000	California State University, East Bay	0.003	0.004	0.000	12/30/15	No	Alameda
16EV021	PEV	Install 1 DC Fast and 8 dual-port Level 2 charging stations in Richmond	\$73,000	Ford Point LLC	0.019	0.024	0.003	12/31/15	Yes	Contra Costa
16EV024	PEV	Install 20 dual-port Level 2 charging stations in Palo Alto	\$240,000	City of Palo Alto	0.031	0.040	0.004	Pending	No	Santa Clara
16EV025	PEV	Install 12 dual-port Level 2 charging stations in San Mateo	\$72,000	San Mateo County Community College District	0.019	0.024	0.003	2/23/16	No	San Mateo
16EV026	PEV	Install 4 single-port Level 2 charging stations in Petaluma and Marshall	\$11,040	Straus Family Creamery	0.029	0.004	0.000	2/11/16	No	Regional
16EV027	PEV	Install 21 dual-port Level 2 charging stations (with solar) in San Jose	\$223,777	VF/UTC Service, Inc.	0.029	0.037	0.004	3/16/16	Yes	Santa Clara
16EV030	PEV	Install 4 single-port Level 2 charging stations (with solar) in Danville	\$24,000	Crow Canyon Medical Center, L.P.	0.003	0.004	0.000	3/11/16	No	Contra Costa
16EV031	PEV	Install 6 single-port DC and 3 dual-port Level 2 charging stations in San Leandro	\$48,000	Infinite Velocity Automotive Inc.	0.013	0.016	0.002	2/18/16	Yes	Alameda
16EV032	PEV	Install 9 dual-port Level 2 charging stations (with solar) in Palo Alto	\$108,000	Komuna Energy, LLC	0.014	0.018	0.002	Pending	No	Santa Clara
16EV038	PEV	Install 2 dual-port Level 2 charging stations in Santa Rosa	\$24,000	Artemedica	0.003	0.004	0.000	2/26/16	No	Sonoma
16EV040	PEV	Install 4 dual-connector Level 2 charging stations in Rohnert Park	\$14,000	Sonoma State University	0.004	0.005	0.001	4/13/16	No	Sonoma
16EV041	PEV	Install 1 dual-connector Level 2 and 2 Low kW DC fast single-port charging stations in Novato	\$13,500	Velocity Prime Automotive Inc.	0.004	0.005	0.001	4/13/16	No	Marin
16EV043	PEV	Install 1 quad-port and 1 dual-port Level 2 charging stations in San Carlos	\$10,364	Peninsula Components Inc.	0.003	0.004	0.000	3/17/16	No	San Mateo
16EV044	PEV	Install 4 single-port Level 2 charging stations in Berkeley	\$10,000	Siemens Molecular Diagnostics	0.003	0.004	0.000	4/13/16	Yes	Alameda

## AGENDA 4 - ATTACHMENT 4

*Summary of all TFCA approved and eligible projects (evaluated between 7/1/2015 and 4/13/2016)*

Project #	Project Category	Project Description	Award Amount	Applicant Name	Emission Reductions (Tons per year)			Board Approval Date	CARE Area	County
					NO <sub>x</sub>	ROG	PM			
16EV046	PEV	Install 5 dual-port Level 2 charging stations in San Jose	\$30,000	3901 North First, LLC	0.008	0.010	0.001	4/13/16	No	Santa Clara
16EV048	PEV	Install 4 single-port Level 2 charging stations (with solar) in Palo Alto	\$24,000	Kehilat Etz Chayim	0.003	0.004	0.000	4/11/16	No	Santa Clara
16EV049	PEV	Install 4 single-port Level 2 charging stations in San Francisco	\$10,319	One Hawethorne Owners Association	0.003	0.003	0.000	4/13/16	Yes	San Francisco
16EV054	PEV	Install 350 EV Level 2 charging stations in Cupertino	\$250,000	Apple Inc.	0.065	0.084	0.009	3/16/16	No	Santa Clara
16EV056	PEV	Install 32 dual-port Level 2 and 5 dual-connector DC charging stations in San Francisco	\$295,182	Bay Area Headquarters Authority	0.076	0.098	0.011	3/16/16	Yes	San Francisco
16EV057	PEV	Install 2 dual-port Level 2 charging stations in Atherton	\$12,000	Town of Atherton	0.003	0.004	0.000	2/11/16	No	San Mateo
16EV058	PEV	Install 4 dual-connector DC fast and 24 dual-port Level 2 charging stations in Oakland	\$244,000	City of Oakland	0.063	0.081	0.027	Pending	Yes	Alameda
16EV060	PEV	Install 2 dual-port Level 2 charging stations in Napa	\$12,000	Verasa Napa Condominium Owners Association, Inc.	0.003	0.004	0.000	4/13/16	No	Napa
16RFG01*	PEV	Install 12 dual-port Level 2 EV charging stations in Livermore and Hayward	\$65,112	Chabot Las Positas Community College District	0.019	0.024	0.003	2/17/16	Yes	Alameda
16RFG02*	PEV	Install 9 dual-port Level 2 EV charging stations in Fremont	\$81,486	City of Fremont	0.014	0.018	0.002	2/17/16	No	Alameda
16RFG08*	PEV	Install 8 dual-port Level 2 EV charging stations in Millbrae	\$78,000	City of Millbrae	0.012	0.016	0.002	2/17/16	No	San Mateo
16RFG09*	PEV	Install 1 DC fast, and 5 dual-port Level 2 EV charging stations in Oakland	\$41,000	City of Oakland	0.007	0.009	0.001	2/17/16	Yes	Alameda
16RFG11*	PEV	Install 8 DC fast EV charging stations in Moffett Field	\$307,569	The NASA Ames Exchange	0.052	0.067	0.007	2/17/16	No	Santa Clara
16RFG15*	PEV	Install 11 dual- and 2 single-port Level 2, and 3 single port Level 1 EV charging stations in Palo Alto	\$121,945	City of Palo Alto	0.020	0.026	0.003	2/17/16	No	Santa Clara
16RFG17*	PEV	Install 1 DC fast and 1 single-port Level 2 EV charging station in Richmond	\$47,511	City of Richmond	0.007	0.009	0.001	2/17/16	Yes	Contra Costa
16RFG18*	PEV	Install 18 dual- and 5 single-port Level 2 EV charging stations in Fremont	\$250,000	San Francisco Bay Area Rapid Transit District (BART)	0.032	0.041	0.005	2/17/16	Yes	Alameda
16RFG19*	PEV	Install 1 DC fast, and 7 dual-port Level 2 EV charging stations in Oakland and Hayward	\$149,610	County of Alameda	0.017	0.022	0.002	2/17/16	Yes	Alameda
16DCFC01**	PEV	Install 1 DC fast - single unit w/dual connectors charging station in Saratoga	\$35,000	City of Saratoga	0.007	0.008	0.001	Pending	No	Santa Clara
16DCFC02**	PEV	Install 1 DC fast - single unit w/dual connectors and 1 Level 2 charging station	\$43,000	Town of Colma	0.007	0.009	0.001	Pending	No	San Mateo
16DCFC03**	PEV	Install 1 dual-connector DC fast - charging station in Brisbane	\$35,000	City of Brisbane	0.007	0.008	0.001	Pending	No	San Mateo
16DCFC04**	PEV	Install 8 single-port DC fast w/dual connectors and 48 Level 2 charging stations (with solar) in 7 cities in 4 counties	\$699,950	Clean Fuel Connection	0.089	0.115	0.013	Pending	Yes	Regional
16DCFC05**	PEV	Install 7 DC fast - single units w/dual connectors and 6 Level 2 charging stations in 7 cities in 5 counties	\$292,900	NRG EV Services	0.050	0.064	0.007	Pending	No	Regional
16PEV002	PEV	Purchase one zero emissions motorcycle (ZEM)	\$2,500	Town of Colma Police Department	0.000	0.007	0.000	10/20/15	No	San Mateo
16PEV003	PEV	Purchase one ZEM	\$2,500	Pittsburg Police Department	0.000	0.007	0.000	12/23/15	No	Contra Costa

## AGENDA 4 - ATTACHMENT 4

*Summary of all TFCA approved and eligible projects (evaluated between 7/1/2015 and 4/13/2016)*

Project #	Project Category	Project Description	Award Amount	Applicant Name	Emission Reductions (Tons per year)			Board Approval Date	CARE Area	County
					NO <sub>x</sub>	ROG	PM			
16R11	Shuttle & Rideshare	511 Regional Carpool Program	\$1,000,000	Metropolitan Transportation Commission	7.079	7.568	6.862	11/18/15	Yes	Regional
16R12	Shuttle & Rideshare	SJSU Ridesharing & Trip Reduction	\$140,000	Associated Students, San Jose State University	1.832	1.784	1.579	11/18/15	Yes	Regional
16R15	Shuttle & Rideshare	Ace Shuttle 53 & 54	\$80,000	San Joaquin Regional Rail Commission	0.256	0.465	0.446	11/18/15	Yes	Alameda
16R17	Shuttle & Rideshare	PresidiGo Shuttle	\$100,000	Presidio Trust	0.376	0.375	0.348	11/18/15	Yes	San Francisco
16R18	Shuttle & Rideshare	Broadway Shuttle	\$186,500	City of Oakland	0.234	0.348	0.290	11/18/15	Yes	Alameda
16R19	Shuttle & Rideshare	Caltrain Shuttle Program	\$767,100	Peninsula Corridor Joint Powers Board	2.329	2.374	2.085	11/18/15	No	San Mateo
16R20	Shuttle & Rideshare	ACE Shuttle Bus Program	\$960,000	Santa Clara Valley Transportation Authority	3.763	3.353	3.433	11/18/15	No	Santa Clara
16R22	Bicycle Lockers	Purchase and install 1 eLocker quad and 2 eLocker doubles in Campbell	\$20,000	City of Campbell	0.011	0.012	0.012	3/9/16	Yes	Santa Clara
16R23	Bicycle Lockers	Purchase and install 10 eLocker quads in Berkeley, Pleasanton, and Union City	\$100,000	Bay Area Rapid Transit District	0.056	0.057	0.058	3/18/16	Yes	Alameda
16R24	Bicycle Lockers	Purchase and Install 4 eLocker quads in Emeryville and Santa Clara	\$40,000	Capitol Corridor Joint Powers Authority	0.022	0.023	0.023	4/13/16	Yes	Regional
16R30	Pilot Trip Reduction	Bishop Ranch Business Park Shared Autonomous Vehicle Shuttle Pilot	\$1,000,000	Contra Costa Transportation Authority	0.580	0.629	0.295	Pending	Yes	Contra Costa
16BR001	Bicycle Racks	Purchase and install 5 bike racks in San Carlos	\$3,000	San Carlos School District	0.006	0.009	0.004	12/21/15	No	San Mateo
16BR003	Bicycle Racks	Purchase and install 8 bike racks in Los Altos	\$3,840	Mountain View Los Altos Union High School District	0.008	0.011	0.005	12/31/15	No	Santa Clara
16BR004	Bicycle Racks	Purchase and install 15 bike racks in Dublin	\$1,800	Dublin Unified School District	0.004	0.005	0.002	1/26/16	Yes	Alameda
16BR005	Bicycle Racks	Purchase and install 72 bike racks in Richmond	\$11,160	City of Richmond	0.024	0.033	0.015	1/21/16	Yes	Contra Costa
16BR007	Bicycle Racks	Purchase and install 6 bike racks for in Livermore	\$2,880	Granada High School	0.006	0.009	0.004	3/23/16	Yes	Alameda
16BR008	Bicycle Racks	Purchase and install 23 bike racks in Los Gatos	\$9,000	Los Gatos Unified School District	0.019	0.027	0.012	3/22/16	No	Santa Clara
16BR009	Bicycle Racks	Purchase and install 9 bicycle racks in Los Gatos	\$4,260	Los Gatos High School	0.009	0.013	0.006	3/23/16	No	Santa Clara
16BR010	Bicycle Racks	Purchase and install 125 bicycle racks in Mountain View	\$15,000	Mountain View Whisman School District	0.032	0.044	0.020	3/15/16	No	Mountain View
16BR011	Bicycle Racks	Purchase and install 70 bike racks in Palo Alto	\$8,400	Palo Alto Unified School District	0.018	0.025	0.011	3/23/16	No	Palo Alto
16BR012	Bicycle Racks	Purchase and install 11 bike racks in Burlingame	\$3,960	Burlingame School District	0.008	0.012	0.005	3/23/16	No	San Mateo
16BR013	Bicycle Racks	Purchase and install 12 bike racks in Napa	\$1,342	Napa County	0.003	0.004	0.002	4/8/16	No	Napa

**71 Projects**

**\$9,658,742**

**17.63 18.39 15.66**

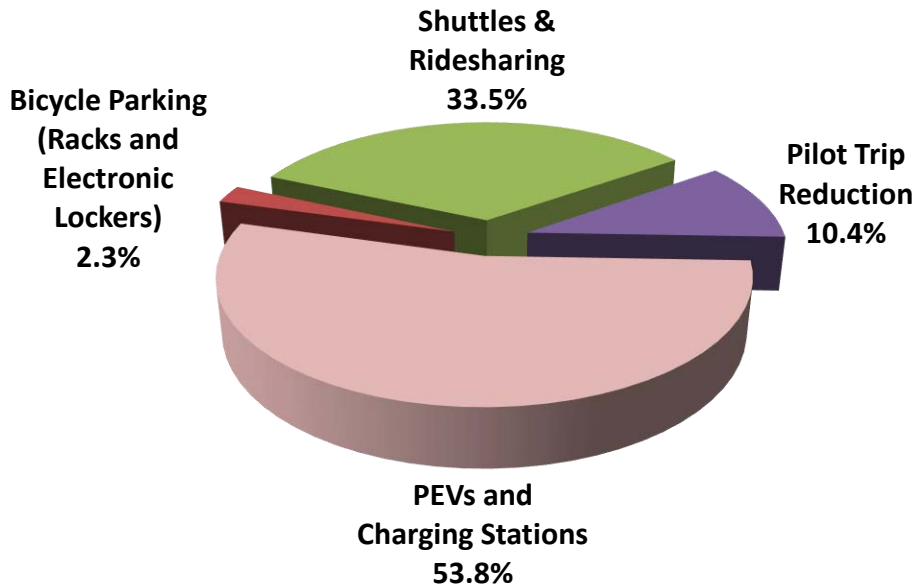
\* Award amount for these nine projects includes a total of \$450,000 in Reformulated Gas (RFG) Settlement funds.

\*\* Award amount for these projects include \$239,850 in California Energy Commission (CEC) funds, pending CEC approval.

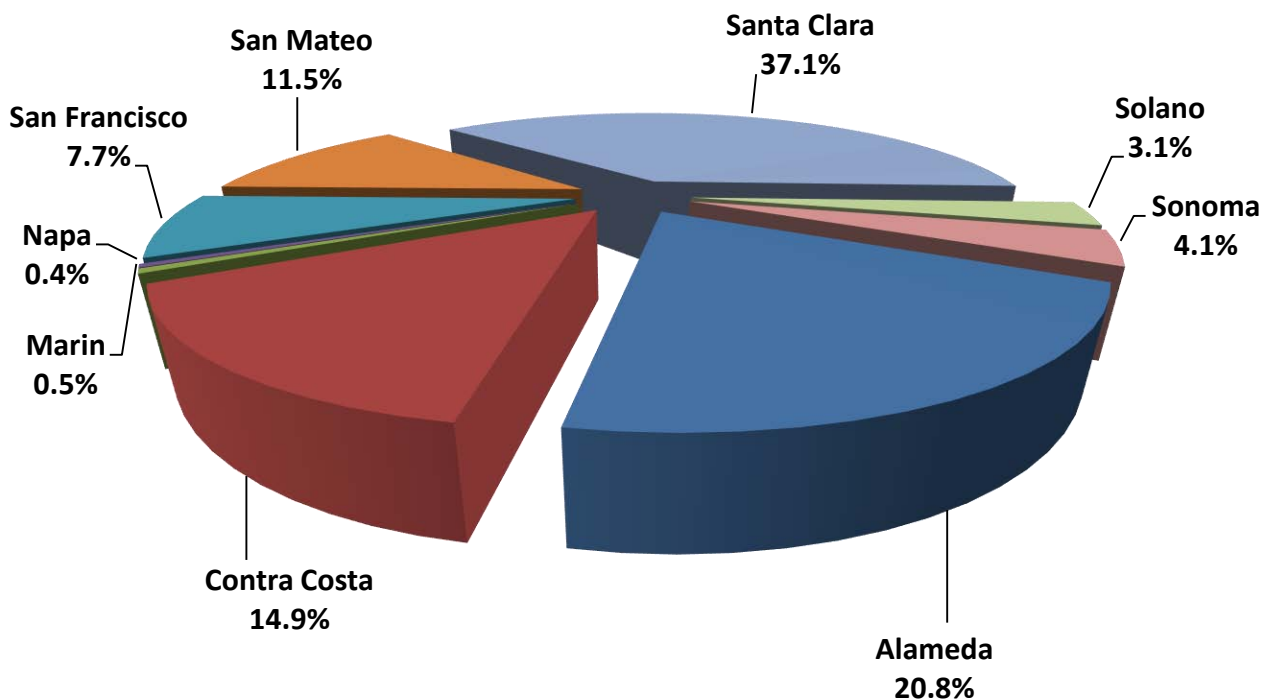
## AGENDA 4 - ATTACHMENT 5

Summary of FYE 2016 TFCA funds distributed by county and project category, as of 4/13/16

**Figure 1: TFCA Projects Awarded in FYE2016**  
Distributed by Project Category



**Figure 2: TFCA Projects Awarded in FYE2016**  
Distributed by County





**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

**RESOLUTION NO. 2016-\_\_\_\_\_**

**A Resolution of the  
Board of Directors of the Bay Area Air Quality Management District  
Authorizing the Executive Officer/APCO to accept, obligate, and execute all  
agreements and amendments for Congestion Mitigation and Air Quality  
Improvement (“CMAQ”) grant funding for electric vehicle signage and education**

WHEREAS, the purpose of this Resolution is to authorize the Bay Area Air Quality Management District’s (“Air District”) Executive Officer/Air Pollution Control Officer to accept, obligate, and execute all agreements, required documents, and amendments for Congestion Mitigation and Air Quality Improvement (“CMAQ”) grant funding from the Metropolitan Transportation Commission (MTC) on behalf of the Air District for electric vehicle (EV) signage and education;

WHEREAS, on May 6, 2015, the Air District Board of Directors approved \$3.32 million new funding for the Air District’s EV incentive program including \$2.82 million in Transportation Fund for Clean Air funding and up to \$500,000 in CMAQ funding awarded by the MTC that will be used to provide additional funding to sponsors of plug-in electric vehicles (PEV) and charging station projects for signage, outreach initiatives aimed at increasing the visibility of EVs, and activities that implement the training for local government agencies and the public;

WHEREAS, on May 6, 2015, the Air District Board of Directors authorized the Executive Officer/APCO to execute all contracts necessary to accept, appropriate, and expend CMAQ funding awarded by the MTC;

WHEREAS, on September 23, 2015, the MTC approved the Climate Initiatives Outreach Program to direct \$400,000 in CMAQ funds to the Air District for electric vehicle signage and public education;

WHEREAS, the CMAQ Cycle 1 funds are currently programmed in the MTC agency budget for the Climate Initiatives Outreach Program and will expire on June 30, 2016. In order to extend the life of the funds the Air District would take action to obligate the funds;

WHEREAS, the Air District is eligible to receive Federal and/or State funding for certain Transportation Projects through Caltrans;

NOW, THEREFORE, BE IT RESOLVED that the Air District’s Board of Directors authorizes the Executive Officer/Air Pollution Control Officer to accept, obligate, and execute all agreements, required documents for CMAQ funding with Caltrans, and any amendments thereto.

Agenda 4 - Attachment 6: Board Resolution to accept and obligate \$400,000 in CMAQ funding

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 \_\_\_\_\_, 2016 by the following vote of the Board:

AYES:

NOES:

ABSTAIN:

ABSENT:

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Eric Mar  
Chair of the Board of Directors

ATTEST:

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David E. Hudson  
Secretary of the Board of Directors

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Scott Haggerty and Members  
of the Mobile Source Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: April 20, 2016

Re: Selection of Vehicle Buy-Back Program Contractors

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RECOMMENDATIONS

Recommend Board of Directors:

- 1) Approve Environmental Engineering Studies, Inc. (EES) and Pick-N-Pull Auto Dismantlers (Pick-N-Pull) as the vehicle retirement contractors and Direct Mail Center as the direct mail service contractor for the fiscal year ending (FYE) 2017 Vehicle Buy Back Program (VBB).
- 2) Authorize the Executive Officer/APCO to execute contracts for:
  - a. Vehicle scrapping and related services with EES and Pick-N-Pull, for a combined amount up to \$7 million; and
  - b. Direct mail services for the VBB Program with Direct Mail Center for up to \$129,698.
- 3) Authorize the Executive Officer/APCO to extend these services for an additional three years, at the Air District's discretion, based on contractor performance.

BACKGROUND

Since 1996, the Air District has retired more than 70,000 vehicles through the VBB program. Currently the VBB program pays \$1,000 to Bay Area vehicle owners for the retirement of eligible 1994 and older vehicles. Vehicles registered in the Bay Area can be taken to any of the 17 program dismantler locations in the region that are currently operated by either EES or Pick-N-Pull.

The VBB program is a voluntary vehicle retirement and scrapping program that takes older, higher-polluting vehicles off Bay Area roads. To implement the program, the Air District has contracted with vehicle dismantlers to pay vehicle owners for their eligible older vehicles; which are then retired by scrapping. To advertise this program, the Air District uses a direct mail campaign to inform potentially eligible vehicle owners about the VBB program. The VBB program has primarily been funded through the Air District's Mobile Source Incentive Fund (MSIF), with some support from the Transportation Fund for Clean Air (TFCA) and Carl Moyer Program (CMP).

For a vehicle to be eligible for the program it must meet operability and registration requirements - including being smog check compliant - to establish that the vehicle, if not scrapped, could continue to operate and pollute. By providing vehicle owners with a financial incentive to scrap the vehicle before it would otherwise be retired due to aging, the program captures what would have been the remaining life of the vehicle as excess emissions. This concept of excess emissions is a requirement of the funding sources for the program (CMP/MSIF guidelines) both of which are governed by California Air Resources Board - Voluntary Accelerated Light-Duty Vehicle Retirement (VAVR) Regulation.

The VBB direct mail campaign uses the California Department of Motor Vehicles' (DMV) database to contact, by mail, the owners of older light-duty vehicles that may be eligible for the program. Mailings are conducted bi-monthly with potentially eligible vehicle owners receiving notice of the program approximately three months prior to the expiration of their DMV registration.

DISCUSSION

Due to the high volume of vehicles processed through the VBB program, over 6,700 vehicles in FYE 2015, significant contractor support is necessary. The Air District issued two Request for Proposals (RFP) on February 25 and 26, 2016. One RFP sought vehicle retirement contractors and the second sought a direct mail service provider. Responses to the RFPs were due to the Air District by March 24, 2016.

***Vehicle Retirement Contractor RFP***

The scope of work contained in the RFP for vehicle retirement contractors conforms to the ARB-VAVR Regulation and to the CMP/MSIF guidelines. The RFP was mailed to 93 companies and posted on the Air District website. The Air District received two proposals in response to the RFP, one from EES and the other from Pick-N-Pull.

Air District staff evaluated the proposals using five criteria set forth in the RFP: cost, available resources/customer relations, coverage/availability, advertising, and responsiveness of proposal. The results of staff scoring of the proposals are summarized in Table 1 below:

**Table 1 – Scoring of Vehicle Retirement Contractor Proposals**

<b>Name</b>	<b>Points</b> (100 possible points)
Pick-N-Pull	86
Environmental Engineering Studies, Inc.	58

EES scored lower primarily due to its higher overhead cost. Factors contributing to their higher overhead cost are: 1) managing almost twice the number of facilities as Pick-N-Pull, 2) record low scrap metal prices, and 3) fees it pays to its subcontractors (participating dismantling yards). Staff contacted both EES and Pick-N-Pull to ask them to review their bids and present the lowest cost. In response, EES submitted a revised lower cost, which is just slightly higher than its current contract with the Air District, that would have resulted in a higher point score in the original evaluation.

As both contractors have previously successfully operated the VBB program for the Air District, and to maximize geographical distribution of buy back sites in the Bay Area, staff is recommending the approval of both EES and Pick-N-Pull as contractors for this program.

***Direct Mail Contractor RFP***

The proposed direct mail campaign for VBB would contact approximately 15,625 vehicle owners bimonthly, or 375,000 vehicle owners annually. The RFP was mailed to 25 companies and posted on the Air District website. The Air District received three proposals in response to the RFP.

The proposals were evaluated against five criteria set forth in the RFP: cost, technical expertise, past experience, responsiveness of the proposal and local/green business certification. The evaluation of cost included a review of quotes for data management, letter and envelope production, and standard mail bulk rate postage. Based on the review of the proposals, Direct Mail Center’s proposal scored the highest (See Table 2). Direct Mail Center is located in the City of San Francisco, California.

**Table 2 – Scoring of Direct Mail Contractor Proposals**

<b>Company Name</b>	<b>Points</b> (100 possible points)
Direct Mail Center	89
AdMail	87
San Jose Mailing	78

**BUDGET CONSIDERATION / FINANCIAL IMPACT**

None. Funds to implement the FYE 2017 VBB Program are included in the Air District’s proposed budget. Up to \$7 million will be made available to EES and Pick-N-Pull on a reimbursement basis for vehicles retired from a combination of CMP and MSIF funding, and funding for the \$129,698 contract with Direct Mail Center will be provided by the TFCA program. Staff administrative costs for VBB are covered by a combination of revenues from CMP, MSIF and TFCA funds. Additionally, each contract will include a provision that would allow the Air District, at its sole discretion, the option to extend the contract term for up to three additional years, based on contractor performance. Each contract extension will include new funding.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Joseph Steinberger  
Reviewed by: Karen Schkolnick

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Scott Haggerty and Members  
of the Mobile Source Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: April 15, 2016

Re: Fiscal Year Ending (FYE) 2017 Transportation Fund for Clean Air (TFCA) County  
Program Manager (CPM) Expenditure Plans and Proposed Amendments to two FYE  
2017 CPM Policies (Ridesharing and Shuttle/Feeder Bus Services)

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RECOMMENDATIONS

Recommend Board of Directors:

1. Approve the allocation of new FYE 2017 TFCA CPM Funds listed in Table 1;
2. Authorize the Executive Officer/APCO to enter into funding agreements with the CPMs for the total funds to be programmed in FYE 2017, listed in Table 1; and
3. Approve the proposed changes to the cost-effectiveness limits set in two FYE 2017 TFCA CPM Fund Policies (Ridesharing and Shuttle/Feeder Bus Services).

BACKGROUND

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 within the nine-county Bay Area to fund projects that reduce on-road motor vehicle emissions. 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. The authorizing legislation requires the Air District Board of Directors (Board) to annually adopt policies that govern the use of TFCA funding to maximize emissions reductions and public health benefit. Policies for the upcoming FYE 2017 cycle were adopted by the Board on November 18, 2015.

By law, forty percent (40%) of these revenues are distributed to the designated CPM in each of the nine counties within the Air District's jurisdiction and the funds are distributed proportionally to the fees generated in each county.

DISCUSSION

***Expenditure Plans***

Every year, each CPM submits an expenditure plan application to the Air District specifying the funding available for projects and program administration for the upcoming fiscal year. The authorizing legislation allows CPMs to allocate and use up to 5% of TFCA monies they receive to fund their administrative costs and requires CPMs to allocate their available funds to eligible

projects within six months of the Boards' approval of the expenditure plan. All nine CPMs submitted compliant expenditure plan applications by the March 3, 2016 deadline.

Table 1 shows the funds that are estimated to be available to each of the nine CPMs in FYE 2017: Column A (highlighted in blue) shows the amount of new TFCA funds that are projected for each county in FYE 2017. Column B shows the amount of TFCA funds that were reported by CPMs in their expenditure plans that are available for reprogramming from projects that were completed under budget or canceled during the previous fiscal year, and interest earned in the prior year. Column C shows the sum of these two columns.

**Table 1: FYE 2017 TFCA Funding for County Program Managers**

	A	B	C
County Program Manager	Estimated New TFCA Funds	TFCA Funds to be Reprogrammed*	Total FYE 2017 Funds
Alameda County Transportation Commission	\$2,057,614	\$167,055	\$2,224,669
Contra Costa Transportation Authority	\$1,476,265	\$1,732	\$1,477,997
Transportation Authority of Marin	\$362,588	\$0	\$362,588
Napa Valley Transportation Authority	\$201,615	\$1,677	\$203,292
San Francisco County Transportation Authority	\$753,824	\$256,000	\$1,009,824
San Mateo City/County Association of Governments	\$1,110,717	\$166,323	\$1,277,040
Santa Clara Valley Transportation Agency	\$2,509,435	\$549,678	\$3,059,113
Solano Transportation Authority	\$356,153	\$2,237.00	\$358,390
Sonoma County Transportation Authority	\$598,651	\$15,391	\$614,042
<b>TOTAL</b>	<b>\$9,426,862</b>	<b>\$1,160,093</b>	<b>\$10,586,955</b>

\*Based on funds available for reprogramming from CPM projects that were completed under budget or canceled during the previous fiscal year and interest accrued.

***Amendments to FYE 2017 TFCA CPM Fund Policies***

Staff is also recommending a change to two Board-adopted FYE 2017 TFCA CPM Fund Policies: Ridesharing Projects (Policy #27) and Existing Shuttle/Feeder Bus Services (Policy #28 A-H). The new (higher) cost-effectiveness limits take into account changes in on-road motor vehicle emission factors in California Air Resources Board's EMFAC2014 model, which was approved by the U.S. Environmental Protection Agency (EPA) in December 2015.

**BUDGET CONSIDERATION/FINANCIAL IMPACT**

None. TFCA CPM revenues are generated from Department of Motor Vehicles registration fees and 40% of the revenues are passed through to the CPMs.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Linda Hui  
Reviewed by: Karen Schkolnick