



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

BOARD OF DIRECTORS
MOBILE SOURCE COMMITTEE

COMMITTEE MEMBERS

SCOTT HAGGERTY - CHAIR
JOHN AVALOS
DAVID J. CANEPA
ROGER KIM
KAREN MITCHOFF

JAN PEPPER – VICE CHAIR
TOM BATES
DAVID E. HUDSON
NATE MILEY

**THURSDAY
SEPTEMBER 24, 2015
9:30 A.M.**

**7TH FLOOR BOARD ROOM
939 ELLIS STREET
SAN FRANCISCO, CA 94109**

AGENDA

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

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

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.

Staff/Phone (415) 749-

3. **APPROVAL OF MINUTES OF JULY 2, 2015**

Clerk of the Boards/5073

The Committee will consider approving the attached draft minutes of the Mobile Source Committee meeting of July 2, 2015.

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

K. Schkolnick/5070
kscholnick@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 authorize the Executive Officer/APCO to execute grant agreements for the recommended projects.

5. **PARTICIPATION IN YEAR FIVE OF THE CALIFORNIA GOODS MOVEMENT BOND PROGRAM**

K. Schkolnick/5070

kschkolnick@baaqmd.gov

The Committee will consider recommending Board of Directors approval of participation in Year Five of the Proposition 1B, Goods Movement program.

6. **ALLOCATION TO SUPPORT GREENHOUSE GAS EMISSION REDUCTION FUND PROJECTS**

K. Schkolnick/5070

kschkolnick@baaqmd.gov

The Committee will consider recommending Board of Directors allocation of TFCA funding to support proposals to the California Air Resources Board (ARB) to demonstrate zero and near-zero emission technologies as part of the Fiscal Year 2014-2015 ARB Greenhouse Gas Reduction Fund solicitations.

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, October 22, 2015, Bay Area Air Quality Management District Office, 939 Ellis Street, San Francisco, California 94109 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
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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.
- To request special accommodations for those persons with disabilities notification to the Clerk’s Office should be given in a timely manner, so that arrangements can be made accordingly.

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

SEPTEMBER 2015

<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> CANCELLED	Wednesday	16	9:45 a.m.	Board Room
Board of Directors Climate Protection Committee <i>(Meets 3rd Thursday of every other Month)</i>	Thursday	17	9:30 a.m.	Board Room
Board of Directors Executive Committee <i>(Meets on the 3rd Monday of each Month) CANCELLED</i>	Monday	21	9:30 a.m.	Board Room
Board of Directors Stationary Source Committee <i>(Meets on the 3rd Monday of each Month)</i>	Monday	21	9:30 a.m.	Board Room
Board of Directors Budget & Finance Committee <i>(Meets on the 4th Wednesday of each Month)</i> CANCELLED	Wednesday	23	9:30 a.m.	Board Room
Board of Directors Ad Hoc Building Oversight Committee Meeting <i>(Meets at the Call of the Chair)</i>	Wednesday	23	9:30 a.m.	Board Room
Board of Directors Executive Committee <i>(Meets on the 3rd Monday of each Month)</i>	Wednesday	23	10:30 a.m.	Board Room
Board of Directors Mobile Source Committee <i>(Meets on the 4th Thursday of each Month)</i>	Thursday	24	9:30 a.m.	Board Room

OCTOBER 2015

<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	7	9:45 a.m.	Board Room
Board of Directors Executive Committee <i>(Meets on the 3rd Monday of each Month)</i>	Monday	19	9:30 a.m.	Board Room
Board of Directors Stationary Source Committee <i>(Meets on the 3rd Monday of each Month)</i>	Monday	19	10:30 a.m.	Board Room
Board of Directors Regular Meeting <i>(Meets on the 1st & 3rd Wednesday of each Month)</i>	Wednesday	21	9:45 a.m.	Board Room
Board of Directors Mobile Source Committee <i>(Meets on the 4th Thursday of each Month)</i>	Thursday	22	9:30 a.m.	Board Room

OCTOBER 2015

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Public Engagement Committee <i>(Meets at the Call of the Chair)</i>	Monday	26	9:30 a.m.	Board Room
Board of Directors Budget & Finance Committee <i>(Meets on the 4th Wednesday of each Month)</i>	Wednesday	28	9:30 a.m.	Board Room

NOVEMBER 2015

<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	4	9:45 a.m.	Board Room
Board of Directors Executive Committee <i>(Meets on the 3rd Monday of each Month)</i>	Monday	16	9:30 a.m.	Board Room
Board of Directors Stationary Source Committee <i>(Meets on the 3rd Monday of each Month)</i>	Monday	16	10:30 a.m.	Board Room
Board of Directors Regular Meeting <i>(Meets on the 1st & 3rd Wednesday of each Month)</i>	Wednesday	18	9:45 a.m.	Board Room
Board of Directors Climate Protection Committee <i>(Meets 3rd Thursday of every other Month)</i>	Thursday	19	9:30 a.m.	Board Room
Board of Directors Budget & Finance Committee <i>(Meets on the 4th Wednesday of each Month)</i>	Wednesday	25	9:30 a.m.	Board Room
Board of Directors Mobile Source Committee <i>(Meets on the 4th Thursday of each Month)</i>	Thursday	26	9:30 a.m.	Board Room

HL – 9/14/15 (9:35 a.m.)

P/Library/Forms/Calendars/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: September 14, 2015

Re: Approval of the Minutes of July 2, 2015

RECOMMENDED ACTION

Approve attached draft minutes of the Mobile Source Committee (Committee) meeting of July 2, 2015.

DISCUSSION

Attached for your review and approval are the draft minutes of the Committee meeting of July 2, 2015.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: Sean Gallagher
Reviewed by: Maricela Martinez

Attachment: Draft Minutes of the Committee Meeting of July 2, 2015

AGENDA 3 – ATTACHMENT

Draft Minutes – Mobile Source Committee Meeting of July 2, 2015

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, July 2, 2015

1. CALL TO ORDER – ROLL CALL

Mobile Source Committee (Committee) Chairperson Scott Haggerty called the meeting to order at 9:35 a.m.

Present: Committee Chairperson Scott Haggerty; Vice-Chairperson Jan Pepper; and Directors Tom Bates, David J. Canepa, David Hudson, Nate Miley and Karen Mitchoff.

Absent: Directors John Avalos and Roger Kim (on behalf of Edwin Lee).

Also Present: Board of Directors (Board) Chairperson Carole Groom (ex officio member) and Director Brad Wagenknecht (spectator).

2. PUBLIC COMMENT ON NON-AGENDA MATTERS: No requests received.

3. APPROVAL OF MINUTES OF APRIL 23, 2015

Committee Comments: None.

Public Comments: No requests received.

Committee Action:

Director Hudson made a motion, seconded by Director Pepper, to approve the Minutes of April 23, 2015; and the motion carried by the following vote of the Committee:

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

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

Damian Breen, Deputy Air Pollution Control Officer, introduced Judy Williams, Administrative Analyst in the Strategic Incentives Division, who gave the staff presentation *Projects and Contracts with Proposed Awards over \$100,000*, including brief overviews of the Carl Moyer and Mobile Source Incentive Fund (MSIF) programs; a summary of Carl Moyer Program (CMP) Year 16; detailings of the CMP and MSIF funds awarded as of June 17, 2015; CMP and MSIF funds awarded since 2009; and recommendations.

Committee Comments:

The Committee and staff discussed the staff award to a project in Tehama County, as listed in Attachment 2 to the staff memorandum, the source of funding and the applicable restrictions; the nexus for the ratio of funds awarded in Napa and Sonoma counties in comparison to other counties, as shown in slide 5, *CMP and MSIF Funds Awarded as of 6/17/15*; the effect of dealership subject matter knowledge; staff outreach to dealerships; the funds awarded in Santa Clara county and what outreach is occurring there; types of program outreach generally performed by staff; and the critical nature of outreach to the airports and ports in light of their emission contributions.

NOTED PRESENT: Director Bates was noted present at 9:43 a.m.

Public Comments: No requests received.

Committee Action:

Director Hudson made a motion, seconded by Director Mitchoff, to recommend the Board:

1. Approve CMP projects with proposed grant awards over \$100,000 as shown in Attachment 1 of the Committee staff memorandum; and
2. Authorize the Executive Officer/Air Pollution Control Officer (APCO) to enter into agreements for the recommended projects.

The motion carried by the following vote of the Committee:

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

5. BAY AREA CLEAN AIR FOUNDATION REFORMULATED GASOLINE (RFG) OPEN GRANTS PROGRAM

Mr. Breen introduced the topic and Michael Neward, Administrative Analyst in the Strategic Incentives Division, who gave the staff presentation *Bay Area Clean Air Foundation*

Reformulated Gasoline Open Grants Program, including program overview, background and a summary of the *Charge!* Program.

Committee Comments:

The Committee and staff discussed plans for staff outreach and the importance of a fully integrated transit connection between Hercules/Martinez and the rest of the Bay Area.

Public Comments: No requests received.

Committee Action: None; receive and file.

6. CALTRAIN ELECTRIFICATION PROJECT ALLOCATION

Mr. Breen introduced the topic and Anthony Fournier, Director of the Strategic Incentives Division, who gave the initial staff presentation *Caltrain Electrification Project Allocation*, including overviews of the CMP and MSIF; the introduction of Casey Fromson, Caltrain, who gave the presentation *Caltrain Modernization Program*, including an overview of Caltrain current operations; a summary of regional transportation needs; Caltrain modernization program; Peninsula Corridor Electrification Project description; key regional and service benefits; updated cost and schedule; revenue service in 2020; and partnerships and collaborations.

Messrs. Fournier and Breen concluded the staff presentation *Caltrain Electrification Project Allocation*, including a summary of MSIF funding and recommendations.

Committee Comments:

The Committee and staff discussed the form of the allocation proposed; whether the counties through which the rail line runs will remain eligible for additional MSIF funding between 2015 and 2020; the historically modest funding requests from San Mateo County outside of this project; and the importance of this project to the entire region.

Public Comments: No requests received.

Committee Action:

Director Canepa made a motion, seconded by Director Pepper, to recommend the Board:

1. Allocate \$20 million in MSIF to the Peninsula Corridor Joint Powers Board for the Caltrain Electrification Project via a funding plan between 2015 and 2020; and
2. Authorize the Executive Officer/APCO to enter into the necessary agreements for the project.

Committee Comments (continued):

Ms. Fromson (CALTRAIN) addressed the committee to discuss the importance of this project with its wide-ranging benefits for the region; the committee and staff then discussed the level of

ridership and the impact of the same for the region; additional details regarding the calculations and reductions displayed on slide 15, *Key Regional Benefits (2040)*; electrification phasing details; if and how the current Air District Board can allocate future funds; and an update on the Bay Area-wide electrification push.

Committee Action (continued):

The motion carried by the following vote of the Committee:

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

7. TFCA REGIONAL FUND POLICIES, POLICY WAIVER REQUEST, AND HYDROGEN STATION FUNDING ALLOCATION

Mr. Breen introduced Kenneth Mak, Air Quality Specialist in the Strategic Incentives Division, who gave the staff presentation *TFCA Regional Fund Policies, Policy Waiver Request, and Hydrogen Station Funding Allocation*, including background; Fiscal Year Ending (FYE) 2016 TFCA Regional Fund Funding and Policies; public input process; proposed revisions regarding general policies, clean air vehicles, trip reduction and bicycle facilities; San Francisco Municipal Transportation Agency (SFMTA) waiver request; hydrogen station funding allocation; and recommendations.

Committee Comments:

The Committee and staff discussed the Committee’s gratitude for staff’s work on the policies with many partner agencies; clarification of funding available for hydrogen fueling stations; how many hydrogen fueling stations are expected and their approximate cost; what the Air District is doing relative to backup power systems at hospitals and in similar uses; and details of funding from the California Energy Commission.

Public Comments: No requests received.

Committee Action:

Director Mitchoff made a motion, seconded by Director Miley, to recommend the Board:

1. Approve the proposed FYE 2016 TFCA Regional Fund Policies and Evaluation Criteria presented in Attachment A of the staff memorandum;
2. Approve a request from the SFMTA for a waiver to FYE 2014 TFCA Regional Fund Policies for project #14R22; and
3. Allocate \$500,000 from prior year TFCA funds for Hydrogen Stations in FYE 2016.

The motion carried by the following vote of the Committee:

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

8. COMMITTEE MEMBER COMMENTS

Committee Chairperson Haggerty announced that the Committee meeting on August 23, 2015 is canceled.

9. TIME AND PLACE OF NEXT MEETING

Thursday, September 24, 2015, Bay Area Air Quality Management District Headquarters, 939 Ellis Street, San Francisco, California 94109 at 9:30 a.m.

10. ADJOURNMENT: The meeting adjourned at 10:38 a.m.

Sean Gallagher
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: September 14, 2015

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; and
2. Authorize the Executive Officer/APCO to enter into agreements 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 (NO_x), 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 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 Health and Safety Code Sections 44241 and 44242. Each year, the Board allocates funding and adopts policies and evaluation criteria that govern expenditure of TFCA funding.

Sixty percent of TFCA funds are awarded directly 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 Regional Fund 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 Air District's Board of Directors.

DISCUSSION

Carl Moyer Program

The Air District closed the CMP Year 16 funding cycle on June 30, 2015 and started accepting project applications for 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 September 7, 2015, the Air District had received 98 project applications for the CMP Year 16 cycle and two applications for the Year 17 cycle. Of the applications that have been evaluated between June 15, 2015 and September 7, 2015, seven (7) eligible projects have proposed individual grant awards over \$100,000. These projects will replace the following diesel-powered equipment: twelve (12) off-road tractors, one (1) loader, and nine (9) marine engines. These projects will reduce over 9.57 tons of NOx, ROG and PM per year. Staff recommends the allocation of \$1,160,520 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 September 7, 2015, 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 29% 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 the Year 11 funding cycle (more than \$90 million awarded to 680 projects). As part of the presentation for this report staff will also provide an overview of ongoing CMP outreach efforts.

Transportation Fund for Clean Air (TFCA)

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.

Between July 1, 2014 and September 7, 2015, the Air District reviewed 73 applications that were found to be eligible for FYE 2015 and FYE 2016 TFCA funding. Of the applications that were evaluated between June 15, 2015 and September 7, 2015, one eligible project has a proposed individual grant award over \$100,000. This project will deploy 39 electric vehicle (EV) charging stations that are integrated with roof top solar power generation and battery storage capabilities at 37 multi-family dwelling properties. These 39 electric vehicle charging stations will reduce over .074 tons of NOx, ROG and PM per year. Staff recommends allocating \$234,000 to this project from TFCA fund revenues. Attachment 1, Table 2, provides additional information on this project.

Attachment 4, lists all of the eligible projects that have been received by the Air District as of September 7, 2015. Attachment 5 summarizes the allocation of funding by project category (Figure 1), and county (Figure 2). In total these 73 projects represent more than \$8 million in TFCA funding awards and will reduce nearly 89 tons of NOx, ROG and PM per year.

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 both programs are provided by each funding source.

Respectfully submitted,

Jack P. Broadbent
Executive Director/APCO

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

- Attachment 1: Projects with Grant Awards Greater than \$100,000 (evaluated between 6/15/15 and 9/7/15)
- Attachment 2: Summary of all CMP/ MSIF and VIP Approved and Eligible Projects (evaluated between 5/6/14 and 9/7/15)
- Attachment 3: Summary of Program Distribution by County and Equipment Category for CMP/ MSIF and VIP Projects for Years 11-17
- Attachment 4: Summary of all TFCA Approved and Eligible Projects (received between 7/1/14 and 9/7/15)
- Attachment 5: Summary of Distribution of TFCA Funds by County and Project Category (received between 7/1/14 and 9/7/15)

AGENDA 4 - ATTACHMENT 1

**Table 1 - Summary of Carl Moyer Program/ Mobile Source Incentive Fund projects
with grant awards greater than \$100k (Evaluated between 6/15/15 and 9/7/15)**

Project #	Applicant name	Equipment category	Project description	Proposed contract award	Total project cost	Emission Reductions (Tons per year)			County
						NOx	ROG	PM	
16MOY85	Madrigal Vineyard Management, LLC	Ag/ off-road	Replacement of four diesel-powered tractors	\$ 123,256.00	\$ 169,365.80	0.479	0.097	0.034	Napa
16MOY84	Jackson Family Wines, Inc.	Ag/ off-road	Replacement of eight diesel-powered tractors.	\$ 226,280.00	\$ 462,987.00	0.909	0.187	0.051	Sonoma
16MOY88	Pina Vineyard Management , LLC.	Ag/ off-road	Replacement of one diesel-powered tractor.	\$ 108,370.00	\$ 180,228.00	0.483	0.026	0.008	Napa
16MOY93	Flash Sport Fishing, DBA, Flash Sport Fishing	Marine	Replacement of two diesel-powered engines in a charter fishing vessel.	\$ 114,096.00	\$ 134,233.00	1.304	0.020	0.048	San Francisco
16MOY94	James Edward Robertson, DBA, Outer Limits (Charter fishing)	Marine	Replacement of two diesel-powered engines in a charter fishing vessel.	\$ 204,108.00	\$ 240,129.00	2.299	-0.044	0.093	Marin
16MOY96	Pacific Rim Fisheries Inc.	Marine	Replacement of three diesel-powered engines in a commercial fishing vessel.	\$ 200,360.00	\$ 237,523.75	1.539	0.015	0.060	San Mateo
16MOY91	Robert C. and Sherry M. Ingles (Charter fishing)	Marine	Replacement of two diesel-powered engines in a charter fishing vessel.	\$ 184,050.00	\$ 216,534.66	1.874	-0.032	0.076	San Mateo
7 Projects				\$ 1,160,520.00		8.887	0.269	0.370	

**Table 2 - Summary of Transportation Fund for Clean Air projects
with grant awards greater than \$100k (Evaluated between 6/15/15 and 9/7/15)**

Project #	Project Sponsor	Project Category	Equipment Category	City	Est. C/E	Proposed Contract Award	Emission Reductions (Tons per year)			County
							NOx	ROG	PM	
16EV003	Powertree Services Inc.	Charge	Plug-in Electric Vehicle (PEV) Charger	San Francisco	\$ 499,736.00	\$234,000	0.030	0.039	0.004	San Francisco
1 Project						\$234,000	0.030	0.039	0.004	

AGENDA 4 - ATTACHMENT 2

Summary of all CMP, MSIF and VIP approved/ eligible projects (between 5/6/14 and 9/7/15)

Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	Emission Reductions (Tons per year)			Board approval date	County
						NOx	ROG	PM		
15MOY89	Ag/ off-road	Tractor replacement	1	\$ 23,100.00	Tri-Valley Vineyard Management Inc.	0.061	0.013	0.003	APCO	Sonoma
15MOY120	Ag/ off-road	Tractor replacement	4	\$ 96,346.00	David Pirio Vineyard Management LLC	0.251	0.059	0.020	APCO	Napa
15MOY80	Ag/ off-road	Tractor replacement	2	\$ 59,791.00	Kenzo Estate, Inc.	0.186	0.033	0.015	APCO	Napa
15MOY94	Ag/ off-road	Tractor replacement	2	\$ 85,280.00	Garry Mahrt (Farmer)	0.319	0.060	0.024	APCO	Sonoma
15MOY104	Ag/ off-road	Tractor replacement	1	\$ 38,428.00	Capp Bros Vineyard Management	0.097	0.025	0.010	APCO	Napa
15MOY105	Ag/ off-road	Tractor replacement	1	\$ 40,801.00	Domenico J. Carinalli, Jr.	0.114	0.024	0.006	APCO	Sonoma
15MOY107	Ag/ off-road	Tractor replacement	1	\$ 42,232.00	M. German & Son (Farmer)	0.175	0.032	0.015	APCO	Solano
15MOY108	Ag/ off-road	Tractor replacement	1	\$ 28,704.00	Clementina Biale Vineyards	0.083	0.017	0.006	APCO	Napa
15MOY109	Ag/ off-road	Tractor replacement	1	\$ 47,910.00	Cunningham Dairy	0.243	0.015	0.013	APCO	Sonoma
15MOY97	Ag/ off-road	Tractor replacement	1	\$ 22,580.00	Bowland Vineyard Mgt, Inc.	0.059	0.013	0.003	APCO	Sonoma
15MOY100	Ag/ off-road	Tractor replacement	1	\$ 62,676.00	Custom Tractor Sevice	0.382	0.053	0.019	APCO	Sonoma
15MOY99	Ag/ off-road	Tractor replacement	1	\$ 39,757.00	Regusci Vineyard Management, Inc.	0.104	0.029	0.010	APCO	Napa
15MOY110	Ag/ off-road	Tractor replacement	1	\$ 33,860.00	Roche Winery, LLC.	0.067	0.014	0.006	APCO	Sonoma
15MOY115	Ag/ off-road	Tractor replacement	2	\$ 71,508.00	Nancy and Tony Lilly (Vineyard)	0.220	0.045	0.021	APCO	Sonoma
15MOY118	Ag/ off-road	Tractor replacement	1	\$ 28,898.00	Pina Vineyard Management , LLC.	0.129	0.026	0.009	APCO	Napa
15MOY119	Ag/ off-road	Tractor replacement	2	\$ 58,835.00	Chappellet Vineyard	0.152	0.022	0.009	APCO	Napa
15MOY122	Ag/ off-road	Tractor replacement	1	\$ 32,081.00	Cornerstone Certified Vineyard	0.074	0.016	0.006	APCO	Sonoma
15MOY123	Ag/ off-road	Tractor replacement	1	\$ 71,775.00	Glenn Yenni & Sons, Inc.	0.153	0.029	0.013	APCO	Sonoma
15MOY137	Marine	Engine replacement	2	\$ 99,550.00	Brian Collier (Charter fishing)	0.937	-0.010	0.037	APCO	Contra Costa
15MOY116	Ag/ off-road	Equipment replacement	1	\$ 63,622.00	Morrison Brother's Dairy	0.171	0.042	0.021	APCO	Sonoma
15MOY124	Ag/ off-road	Equipment replacement	1	\$ 46,040.00	Blakes Landing Farms, Inc.	0.116	0.020	0.007	APCO	Marin
15MOY128	Ag/ off-road	Equipment replacement	1	\$ 42,232.00	Deniz Dairy	0.135	0.023	0.008	APCO	Sonoma
15MOY129	Ag/ off-road	Equipment replacement	5	\$ 177,919.00	Colinas Farming Company	0.394	0.090	0.032	10/15/2014	Napa
15MOY136	Ag/ off-road	Equipment replacement	1	\$ 27,480.00	Dirt Farmer & Company	0.052	0.015	0.005	APCO	Sonoma
15MOY133	Ag/ off-road	Equipment replacement	1	\$ 41,017.00	Alta Vineyard Management, Inc.	0.164	0.032	0.009	APCO	Sonoma
15MOY132	Ag/ off-road	Equipment replacement	1	\$ 27,865.00	B Wise Vinyeards, LLC	0.053	0.016	0.005	APCO	Sonoma
15MOY135	Marine	Equipment replacement	2	\$ 68,500.00	San Francisco Bar Pilots	0.399	0.003	0.017	APCO	San Francisco
15MOY130	Off-road	Equipment replacement	2	\$ 188,559.00	Evergreen Materials Inc. DBA Evergreen Supply	1.098	0.162	0.053	10/15/2014	Santa Clara
16MOY2	Ag/ off-road	Equipment replacement	2	\$ 289,836.00	Rankins AG, Inc.	2.947	0.298	0.111	10/15/2014	Contra Costa
16MOY4	Ag/ off-road	Equipment replacement	1	\$ 41,017.00	John Camozzi (Farm/ ranch)	0.176	0.029	0.011	APCO	Sonoma

Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	Emission Reductions (Tons per year)			Board approval date	County
						NOx	ROG	PM		
16MOY11	Ag/ off-road	Equipment replacement	1	\$ 147,264.00	Dolcini Brothers	1.244	0.180	0.064	10/15/2014	Sonoma
15MOY126	Marine	Engine replacement	2	\$ 188,580.00	C & W Diving Services, Inc.	1.524	0.051	0.067	10/15/2014	Alameda
16MOY17	Ag/ off-road	Equipment replacement	1	\$ 126,130.00	Spaletta Ranch	0.305	0.056	0.020	11/17/2014	Sonoma
16MOY9	Ag/ off-road	Equipment replacement	3	\$ 80,510.00	David Arthur Vineyards LLC	0.170	0.045	0.019	APCO	Napa
16MOY19	Ag/ off-road	Equipment replacement	1	\$ 150,014.00	MCE Amos, Inc.	0.677	0.118	0.042	11/17/2014	Sonoma
16MOY10	Ag/ off-road	Equipment replacement	1	\$ 27,277.00	Archangel Investments LLC DBA Baldacci Family Vineyards	0.085	0.017	0.006	APCO	Napa
16MOY16	Ag/ off-road	Equipment replacement	1	\$ 54,694.00	Garvey Vineyard Management, LLC.	0.164	0.040	0.016	APCO	Napa
16MOY20	Ag/ off-road	Equipment replacement	1	\$ 150,014.00	Mulas Dairy, Co.	0.620	0.108	0.039	11/17/2014	Sonoma
16MOY21	Ag/ off-road	Equipment replacement	1	\$ 161,789.00	Louise R. Dei	0.752	0.094	0.032	11/17/2014	Sonoma
16MOY22	Ag/ off-road	Equipment replacement	4	\$ 115,896.00	FN Viticultures, LLC DBA Vinescape	0.453	0.081	0.039	11/17/2014	Napa
16MOY13	Marine	Engine replacement	1	\$ 79,480.00	Pound the Zone Fishing	0.379	0.003	0.014	APCO	Contra Costa
15MOY125	Marine	Engine replacement	2	\$ 99,730.00	C & W Diving Services, Inc.	0.272	-0.009	0.017	APCO	Alameda
15MOY121	Marine	Engine replacement	2	\$ 123,860.00	C & W Diving Services, Inc.	0.399	0.016	0.017	11/17/2014	Alameda
16MOY14	Marine	Engine replacement	2	\$ 136,295.00	Bouna Pesca L.L.C.	0.576	-0.008	0.022	11/17/2014	Monterey
16MOY8	Marine	Engine replacement	2	\$ 33,675.00	Blue and Gold Fleet L.P.	0.268	0.006	0.019	APCO	San Francisco
16MOY30	Off-road	Equipment replacement	1	\$ 191,400.00	W.R. Forde Associates	1.130	0.140	0.054	11/17/2014	Contra Costa
16MOY12	Ag/ off-road	Equipment replacement	1	\$ 48,860.00	James Mclsaac dba Mclsaac Dairy	0.113	0.027	0.014	APCO	Marin
16MOY27	Marine	Engine replacement	1	\$ 49,155.00	Mendler Brothers Fish LLC	0.231	0.004	0.009	APCO	Contra Costa
16MOY26	Marine	Engine replacement	2	\$ 46,000.00	Golden Gate Scenic Steamship Corp. dba Red and White Fleet	0.350	0.000	0.027	APCO	San Francisco
16MOY6	Marine	Engine replacement	2	\$ 227,250.00	Captain Joe's Sportfishing	0.951	0.025	0.044	2/18/2015	San Francisco
16MOY28	Marine	Engine replacement	2	\$ 149,650.00	Amigo Adventure	1.747	0.024	0.067	2/18/2015	San Francisco
16MOY1	Off-road	Equipment replacement	3	\$ 82,460.00	American Soil Products, Inc.	0.239	0.066	0.027	APCO	Alameda
16MOY34	Marine	Engine replacement	1	\$ 56,425.00	Pound the Zone Fishing DBA Pound the Zone Fishing	0.207	0.005	0.008	APCO	Contra Costa
16MOY33	Off-road	Equipment replacement	87	\$ 2,540,187.00	United Airlines, Inc.	14.292	2.158	0.858	3/18/2015	San Mateo
16MOY29	Ag/ off-road	Equipment replacement	2	\$ 224,076.00	Sprague Custom Farming, LLC	0.909	0.093	0.034	3/18/2015	Sonoma
16MOY39	Ag/ off-road	Equipment replacement	6	\$ 188,687.00	Dutton Ranch corp.	0.778	0.182	0.056	3/18/2015	Sonoma
16MOY23	Ag/ off-road	Equipment replacement	2	\$ 57,408.00	Huneus Vintners, LLC.	0.304	0.079	0.033	APCO	Napa
16MOY5	Marine	Engine replacement	2	\$ 68,000.00	Squalicum Mountain Enterprises	0.281	0.005	0.011	APCO	Marin
16MOY18	Off-road	Equipment replacement	1	\$ 52,876.00	F.A. Maggiore & Sons, LLC	0.322	0.054	0.016	APCO	Contra Costa
16MOY50	Marine	Engine replacement	1	\$ 100,000.00	FV Tradition (Commercial fishing)	1.075	0.019	0.034	APCO	San Francisco
16MOY3	Off-road	Equipment replacement	1	\$ 85,372.00	Dependable Highway Express, Inc.	0.784	0.045	0.014	APCO	Alameda
16MOY25	Ag/ off-road	Equipment replacement	1	\$ 30,098.00	Ramos Vineyards, LLC.	0.073	0.015	0.005	APCO	Napa
16MOY36	Ag/ off-road	Equipment replacement	1	\$ 38,700.00	Sweet Lane Nursery and Vineyards, Inc.	0.041	0.028	0.008	APCO	Sonoma

Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	Emission Reductions (Tons per year)			Board approval date	County
						NOx	ROG	PM		
16MOY40	Ag/ off-road	Equipment replacement	3	\$ 128,442.00	M. German & Son Partnership (Vineyard)	0.610	0.129	0.046	5/6/2015	Solano
16MOY41	Ag/ off-road	Equipment replacement	1	\$ 191,816.00	Complete Equipment, Inc.	0.676	0.070	0.024	5/6/2015	Sonoma
16MOY37	Ag/ off-road	Equipment replacement	1	\$ 24,754.00	Martinelli Farms Inc.	0.035	0.020	0.005	APCO	Sonoma
16MOY42	Ag/ off-road	Equipment replacement	3	\$ 98,743.00	Redwood Empire Vineyard Management	0.541	0.116	0.030	APCO	Sonoma
16MOY48	Ag/ off-road	Equipment replacement	5	\$ 168,160.00	Michael Wolf Vineyard Services Inc.	0.595	0.156	0.061	5/6/2015	Napa
16MOY52	Off-road	Equipment replacement	1	\$ 90,670.00	L.H. Voss Materials	0.593	0.061	0.022	APCO	Contra Costa
16MOY53	Ag/ off-road	Equipment replacement	1	\$ 150,014.00	Bar M Dairy, Inc.	0.802	0.113	0.041	5/6/2015	Sonoma
16MOY56	Ag/ off-road	Equipment replacement	1	\$ 161,789.00	Morrison Bros. Dairy	0.962	0.100	0.034	5/6/2015	Sonoma
16MOY43	Ag/ off-road	Equipment replacement	1	\$ 27,811.00	Devoto Gardens, LLC.	0.077	0.022	0.007	APCO	Sonoma
16MOY45	Ag/ off-road	Equipment replacement	1	\$ 33,693.00	Sanchietti Ranch	0.101	0.022	0.008	APCO	Sonoma
16MOY49	Ag/ off-road	Equipment replacement	1	\$ 21,960.00	Tommy Eugene Bourland (Vineyard)	0.028	0.018	0.005	APCO	Solano
16MOY54	Ag/ off-road	Equipment replacement	1	\$ 41,933.00	T and M Agricultural Services, LLC	0.119	0.023	0.007	APCO	Napa
16MOY55	Ag/ off-road	Equipment replacement	1	\$ 29,030.00	Yellow Clay Farm Co. dba McKenzie-Mueller Vineyards & Winery	0.068	0.014	0.005	APCO	Napa
16MOY58	Ag/ off-road	Equipment replacement	1	\$ 124,010.00	Bordessa Family Dairies	0.561	0.098	0.035	7/29/2015	Sonoma
16MOY59	Ag/ off-road	Equipment replacement	2	\$ 79,890.00	Regusci Vineyard Management, Inc.	0.203	0.052	0.022	APCO	Napa
16MOY61	Ag/ off-road	Equipment replacement	1	\$ 31,945.00	Swanson Vineyards and Winery dba Swanson Vineyards	0.074	0.016	0.006	APCO	Napa
16MOY62	Ag/ off-road	Equipment replacement	1	\$ 29,075.00	Ronald L. Nicoli	0.074	0.013	0.005	APCO	Solano
16MOY63	Ag/ off-road	Equipment replacement	3	\$ 80,989.00	Heritage Vineyard Management Inc.	0.261	0.059	0.018	APCO	Napa
16MOY64	Ag/ off-road	Equipment replacement	1	\$ 29,485.00	Elizabeth C Williamson / Dalraddy Vineyards	0.068	0.015	0.005	APCO	Napa
16MOY66	Ag/ off-road	Equipment replacement	1	\$ 32,000.00	Terra de Promissio Vineyard	0.068	0.021	0.007	APCO	Sonoma
16MOY65	Marine	Engine replacement	1	\$ 136,875.00	Jeremy George Petty DBA FV Janae (Commercial fishing)	1.238	0.023	0.040	7/29/2015	Sonoma
16MOY67	Ag/ off-road	Equipment replacement	1	\$ 117,116.00	Global Mushrooms LLC.	0.377	0.059	0.022	7/29/2015	Santa Clara
16MOY51	Off-road	Equipment replacement	6	\$ 150,550.00	Southwest Airlines Co.	0.985	0.106	0.036	7/29/2015	Alameda
16MOY69	Ag/ off-road	Equipment replacement	1	\$ 39,498.00	Dale Ricci dba Ricci Vineyards Carneros, Inc.	0.143	0.024	0.004	APCO	Sonoma
16MOY70	Ag/ off-road	Equipment replacement	1	\$ 31,478.00	Niebaum Coppola Estate Winery, LP dba Inglenook	0.209	0.044	0.012	APCO	Napa
16MOY71	Off-road	Equipment replacement	1	\$ 59,570.00	Half Moon Bay Building & Garden Supply, Inc.	0.362	0.044	0.015	APCO	San Mateo
16MOY76	Ag/ off-road	Equipment replacement	4	\$ 130,265.00	T and M Agricultural Services, LLC	0.665	0.120	0.030	7/29/2015	Napa
16MOY72	Ag/ off-road	Equipment replacement	1	\$ 21,335.00	Pomponio Ranch, LLC	0.027	0.017	0.004	APCO	San Mateo
16MOY68	Ag/ off-road	Equipment replacement	1	\$ 103,225.00	McClelland's Dairy	0.328	0.039	0.014	7/29/2015	Sonoma
16MOY81	Ag/ off-road	Equipment replacement	26	\$ 922,791.00	Walsh Vineyards Management Inc.	2.396	0.670	0.244	7/29/2015	Napa

Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	Emission Reductions (Tons per year)			Board approval date	County
						NOx	ROG	PM		
16MOY38	Locomotive	Equipment replacement	1	\$ 760,000.00	Richmond Pacific Rail Corporation	2.977	0.621	0.060	7/29/2015	Contra Costa
16MOY73	Ag/ off-road	Equipment replacement	1	\$ 64,195.00	Circle LC, Corp	0.335	0.058	0.015	APCO	Sonoma
16MOY74	Ag/ off-road	Equipment replacement	1	\$ 33,470.00	Humberto Castaneda (Vineyard)	0.183	0.039	0.010	APCO	Sonoma
16MOY75	Ag/ off-road	Equipment replacement	1	\$ 13,275.00	Solano Land Trust	0.014	0.010	0.003	APCO	Solano
16MOY77	Ag/ off-road	Equipment replacement	1	\$ 33,530.00	Grotheer Ranch	0.167	0.030	0.009	APCO	Solano
16MOY78	Ag/ off-road	Equipment replacement	1	\$ 24,663.00	Hicks Valley Cattle/Barboni	0.113	0.020	0.008	APCO	Sonoma
16MOY80	Ag/ off-road	Equipment replacement	1	\$ 57,483.00	McClure Dairy Inc.	0.192	0.058	0.019	APCO	Marin
16MOY82	Ag/ off-road	Equipment replacement	2	\$ 77,856.00	Balletto Ranch, Inc.	0.220	0.064	0.021	APCO	Sonoma
16MOY85	Ag/ off-road	Equipment replacement	4	\$ 123,256.00	Madrigal Vineyard Management, LLC	0.479	0.097	0.034	TBD	Napa
16MOY86	Ag/ off-road	Equipment replacement	1	\$ 14,555.00	Hal Holbrook (Vineyard)	0.019	0.012	0.003	APCO	Napa
16MOY89	Ag/ off-road	Equipment replacement	1	\$ 82,730.00	Robert McClelland Dairy	0.265	0.048	0.023	APCO	Sonoma
16MOY90	Ag/ off-road	Equipment replacement	1	\$ 46,770.00	La Prenda Vineyards Management, inc.	0.117	0.025	0.009	APCO	Sonoma
16MOY92	Ag/ off-road	Equipment replacement	1	\$ 26,590.00	Rancho Chimiles LP	0.034	0.021	0.006	APCO	Napa
16MOY97	Ag/ off-road	Equipment replacement	1	\$ 32,500.00	Imhof Tractor Service, Inc.	0.161	0.009	0.002	APCO	Alameda
16MOY84	Ag/ off-road	Equipment replacement	8	\$ 226,280.00	Jackson Family Wines, Inc.	0.909	0.187	0.051	TBD	Sonoma
16MOY88	Ag/ off-road	Equipment replacement	1	\$ 108,370.00	Pina Vineyard Management , LLC.	0.483	0.026	0.008	TBD	Napa
16MOY93	Marine	Engine replacement	2	\$ 114,096.00	Flash Sport Fishing, DBA, Flash Sport Fishing	1.304	0.020	0.048	TBD	San Francisco
16MOY94	Marine	Engine replacement	2	\$ 204,108.00	James Edward Robertson, DBA, Outer Limits (Charter fishing)	2.299	-0.044	0.093	TBD	Marin
16MOY96	Marine	Engine replacement	3	\$ 200,360.00	Pacific Rim Fisheries Inc.	1.539	0.015	0.060	TBD	San Mateo
16MOY91	Marine	Engine replacement	2	\$ 184,050.00	Robert C. and Sherry M. Ingles (Charter fishing)	1.874	-0.032	0.076	TBD	San Mateo
VIP247	VIP	Truck Replacement	1	\$ 45,000.00	Everardo Espinosa	0.878	0.013	0.000	APCO	Tehama
VIP248	VIP	Truck Replacement	1	\$ 20,000.00	Lupe Laureano	0.400	0.007	0.000	APCO	Santa Clara
VIP251	VIP	Truck Replacement	1	\$ 45,000.00	Horacio Cardenas	0.851	0.029	0.000	APCO	Solano
VIP252	VIP	Truck Replacement	1	\$ 25,000.00	American Soil Products	0.486	0.007	0.000	APCO	Alameda
VIP256	VIP	Truck Replacement	1	\$ 45,000.00	Antonino Esqueda	0.878	0.013	0.000	APCO	Sacramento
VIP257	VIP	Truck Replacement	1	\$ 45,000.00	Gurjot Singh Pawar / Amrik Singh Pawar	0.851	0.029	0.000	APCO	Santa Clara
VIP259	VIP	Truck Replacement	1	\$ 20,000.00	Martin Minh Ngo	0.812	0.011	0.016	APCO	Alameda
VIP260	VIP	Truck Replacement	1	\$ 30,000.00	Gurpartap Singh	0.720	0.020	0.000	APCO	Contra Costa
VIP262	VIP	Truck Replacement	1	\$ 45,000.00	Nanak Singh	1.050	0.010	0.000	APCO	Contra Costa
VIP263	VIP	Truck Replacement	1	\$ 10,000.00	Damanjit Singh Mahal	0.280	0.010	0.000	APCO	Contra Costa
VIP264	VIP	Truck Replacement	1	\$ 15,000.00	Todd Kahl	0.340	0.010	0.000	APCO	San Francisco
124 Projects			308	\$ 13,972,060.00		75.699	8.738	3.664		

Figure 1: CMP/ MSIF Funding Distribution by Equipment Category as of 6/15/15

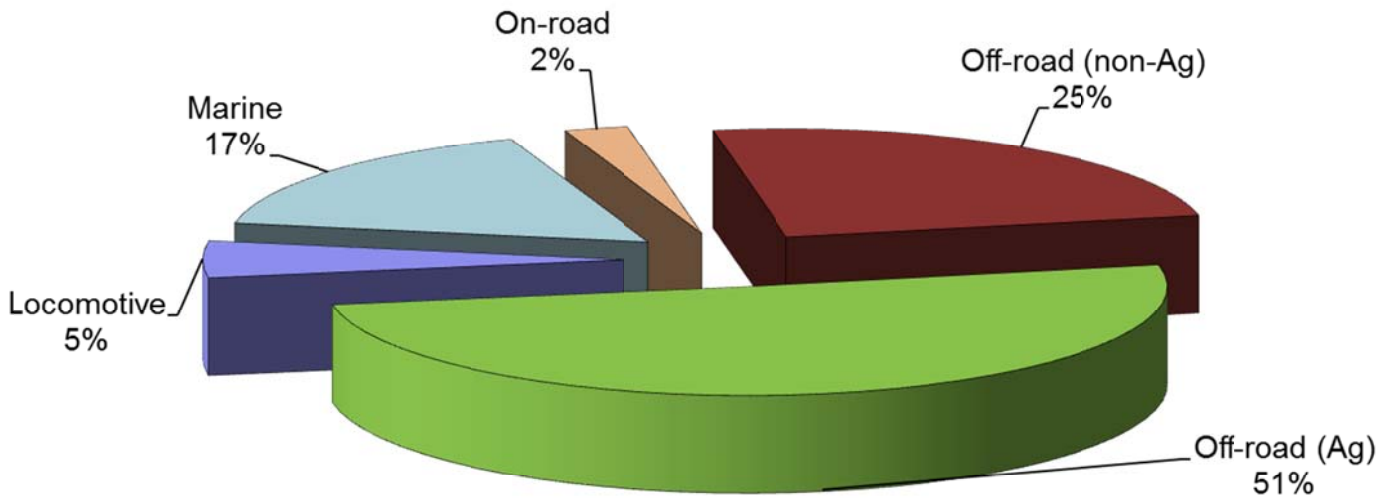
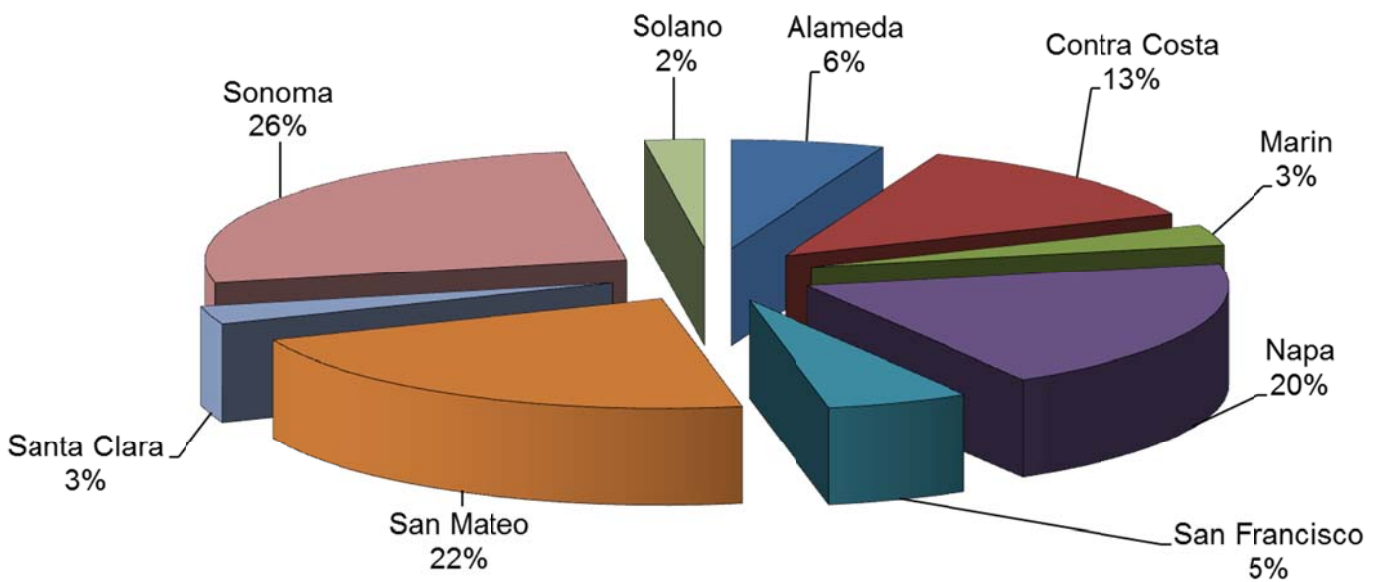


Figure 2: CMP/ MSIF Funding Distribution by County as of 6/15/15



AGENDA 4 - ATTACHMENT 3

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

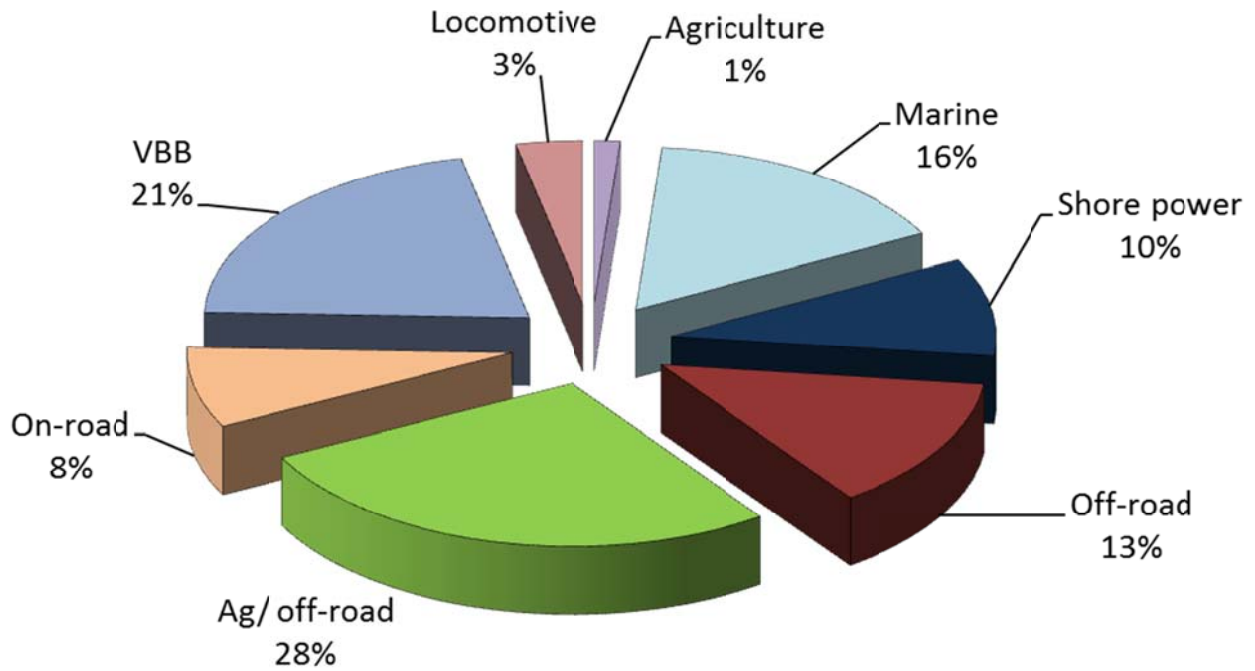
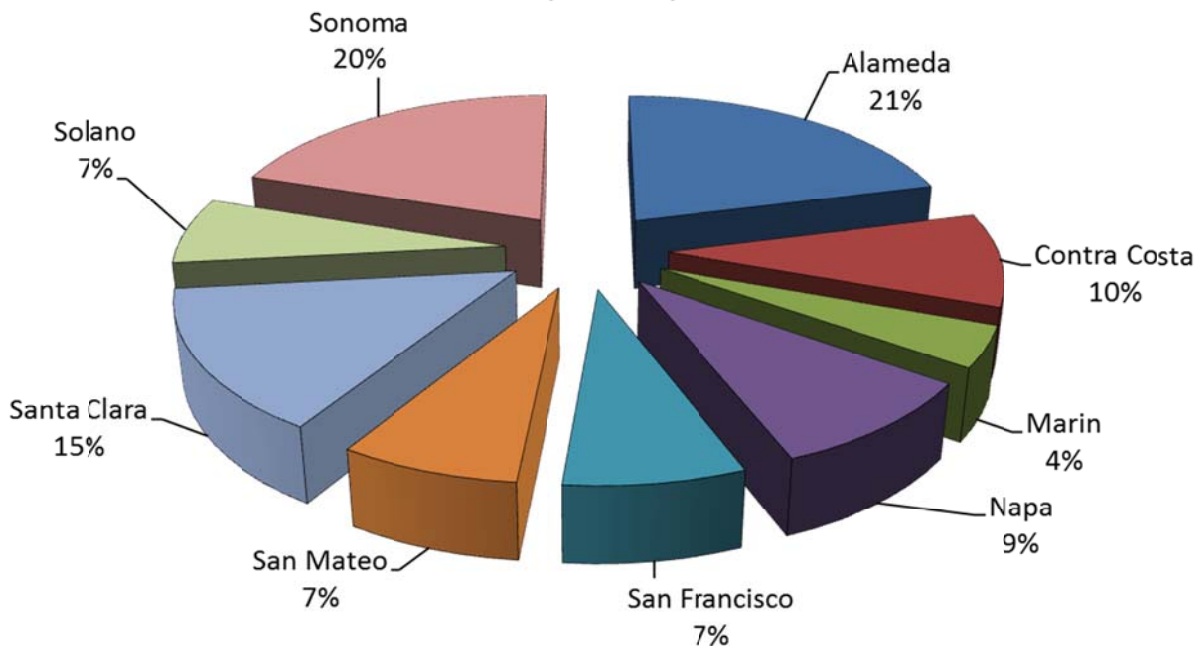


Figure 4: CMP, MSIF, VBB and VIP funding since 2009 by county



AGENDA 4 - ATTACHMENT 4

Summary of all TFC A approved and eligible projects (received between 7/1/14 and 9/7/15)

Project #	Project Category	Project Description	Award Amount	Applicant Name	Emission Reductions (Tons per year)			Board Approval Date	County
					NO _x	ROG	PM		
15R27	Alt. Fuel Infrastructure	Install seven hydrogen stations	\$875,000	FirstElement Fuel Inc.	0.300	0.386	0.043	4/23/15	Regional
15R28	Alt. Fuel Infrastructure	Install two Compressed Natural Gas (CNG) stations (1 new and 1 upgrade)	\$400,000	Clean Energy, a California Corporation	0.164	0.177	0.079	4/23/15	Regional
15R29	Alt. Fuel Infrastructure	Install one CNG station	\$170,500	Integrays Transportation Fuels, dba Trillium CNG	0.019	0.022	0.008	4/23/15	Alameda
15R30	Alt. Fuel Infrastructure	Install four hydrogen stations	\$1,200,000	Linde LLC	0.381	0.490	0.054	4/23/15	Regional
15R31	Alt. Fuel Infrastructure	Install one hydrogen station	\$145,000	HTEC Hydrogen Technology & Energy Corporation	0.043	0.055	0.006	4/23/15	San Mateo
13BR028	Bicycle Rack	Install 32 bicycle racks (64 bike capacity)	\$3,750	Alameda County General Services Agency	0.001	0.002	0.001	7/9/14	Alameda
13BR029	Bicycle Rack	Install 30 bicycle racks (120 bike capacity)	\$7,200	Jordan Middle School	0.002	0.003	0.0018	7/2/14	Santa Clara
13BR030	Bicycle Rack	Install 22 bicycle racks (172 bike capacity)	\$10,320	Palo Alto High School	0.003	0.005	0.0026	7/2/14	Santa Clara
13BR031	Bicycle Rack	Install 27 bicycle racks (54 bike capacity)	\$3,240	City of Novato	0.001	0.001	0.0008	7/2/14	Marin
13BR032	Bicycle Rack	Install four bicycle racks (8 bike capacity)	\$480	Marin County Free Library System, Corte Madera Library	0.000	0.000	0.000	7/2/14	Marin
13BR033	Bicycle Rack	Install twelve bicycle racks (24 bike capacity)	\$1,440	City of Pittsburg	0.000	0.001	0.0004	7/9/14	Contra Costa
13BR034	Bicycle Rack	Install 30 bicycle racks (60 bike capacity)	\$3,170	City of Martinez	0.001	0.002	0.0009	7/9/14	Contra Costa
13BR035	Bicycle Rack	Install 30 bicycle racks (60 bike capacity)	\$3,600	City of Sausalito	0.001	0.002	0.0009	7/3/14	Marin
13BR036	Bicycle Rack	Install 15 bicycle racks (32 bike capacity)	\$1,920	City of Richmond	0.001	0.001	0.0005	7/3/14	Contra Costa
15BR001	Bicycle Rack	Install 10 bike racks (80 bike capacity)	\$4,800	Los Altos High School	0.002	0.002	0.0010	12/29/14	Santa Clara
15BR003	Bicycle Rack	Install seven (7) bike racks (14 bike capacity)	\$839	Town of Yountville	0.000	0.000	0.0002	1/21/15	Napa
15BR004	Bicycle Rack	Install six (6) bike racks (44 capacity)	\$2,640	Fremont High school	0.001	0.001	0.0007	2/19/15	Santa Clara
15BR005	Bicycle Rack	Install 79 bike racks (196 capacity)	\$8,880	Palo Alto Unified School District	0.003	0.004	0.0022	2/26/15	Santa Clara
15BR006	Bicycle Rack	Install 50 bike racks (100 bike capacity)	\$2,644	City of Calistoga	0.001	0.001	0.0007	2/26/15	Napa
15BR007	Bicycle Rack	Install eight (8) bike racks (64 bike capacity)	\$3,840	Dublin High School	0.001	0.002	0.0010	2/26/15	Alameda
15BR008	Bicycle Rack	Install 43 bike racks (188 bike capacity)	\$11,167	County of Napa	0.004	0.005	0.0028	2/26/15	Napa
15BR010	Bicycle Rack	Install 30 bike racks (100 bike capacity)	\$3,000	San Francisco State University	0.001	0.001	0.0007	2/26/15	San Francisco
15BR011	Bicycle Rack	Install 40 bike racks (80 bike capacity)	\$4,800	Town of Windsor	0.002	0.002	0.0010	3/9/15	Sonoma
15BR012	Bicycle Rack	Install 125 bike racks (250 bike capacity)	\$15,000	City of Union City	0.005	0.007	0.004	3/23/15	Alameda
15BR015	Bicycle Rack	Install nine (9) bike racks (72 bike capacity)	\$4,320	San Lorenzo High School	0.001	0.002	0.001	4/28/15	Alameda
15BR016	Bicycle Rack	Install five (5) bike racks (10 bike capacity)	\$600	Town of Tiburon	0.000	0.000	0.000	4/27/15	Marin
15BR017	Bicycle Rack	Install 15 bike racks (112 bike capacity)	\$6,720	Neil Cummins Elementary School	0.002	0.003	0.002	4/28/15	Marin

AGENDA 4 - ATTACHMENT 4

Summary of all TFC A approved and eligible projects (received between 7/1/14 and 9/7/15)

Project #	Project Category	Project Description	Award Amount	Applicant Name	Emission Reductions (Tons per year)			Board Approval Date	County
					NO _x	ROG	PM		
15BR018	Bicycle Rack	Install 16 bike racks (32 bike capacity)	\$1,920	City of Pacifica	0.001	0.001	0.000	5/7/15	San Mateo
15BR019	Bicycle Rack	Install 13 bike racks (26 bike capacity)	\$1,560	CA State University, East Bay - Parking & Transportation Services	0.000	0.001	0.000	5/4/15	Alameda
15BR020	Bicycle Rack	Install 120 bike racks (240 bike capacity)	\$14,400	San Jose State University	0.005	0.007	0.004	5/26/15	Santa Clara
15BR021	Bicycle Rack	Install 65 bike racks (130 bike capacity)	\$6,022	City of East Palo Alto	0.002	0.004	0.002	5/7/15	San Mateo
15BR022	Bicycle Rack	Install 25 bike racks (50 bike capacity)	\$3,000	Palo Alto Unified School District	0.001	0.001	0.001	6/4/15	Santa Clara
15BR023	Bicycle Rack	Install six (6) bike racks (30 bike capacity)	\$1,800	Foothill High School	0.001	0.001	0.000	5/22/15	Alameda
15BR024	Bicycle Rack	Install 26 bike racks (198 bike capacity)	\$11,880	Castro Valley Unified School District	0.004	0.005	0.003	5/14/15	Alameda
15BR025	Bicycle Rack	Install 12 bike racks (24 bike capacity)	\$1,349	El Verano Elementary	0.000	0.001	0.000	6/4/15	Sonoma
15BR026	Bicycle Rack	Install 10 bike racks (60 bike capacity)	\$3,600	Fremont Unified School District	0.001	0.002	0.001	6/2/15	Alameda
15BR027	Bicycle Rack	Install 26 bike racks (52 bike capacity)	\$3,120	City of Napa - Parks and Recreation Services Department	0.001	0.001	0.001	6/2/15	Napa
15BR028	Bicycle Rack	Install six (6) bike racks (12 bike capacity)	\$720	Town of Moraga	0.000	0.000	0.000	6/2/15	Contra Costa
15BR029	Bicycle Rack	Install 12 bike racks (24 bike capacity)	\$1,440	Town of San Anselmo	0.001	0.001	0.000	6/4/15	Marin
15BR030	Bicycle Rack	Install four (4) bike racks (8 bike capacity)	\$480	City of Cupertino	0.000	0.000	0.000	6/4/15	Santa Clara
15BR031	Bicycle Rack	Install 32 bike racks (64 bike capacity)	\$3,700	City of Richmond	0.001	0.002	0.001	6/2/15	Contra Costa
15BR032	Bicycle Rack	Install 65 bike racks (110 bike capacity)	\$6,281	City of Fremont	0.002	0.003	0.002	6/23/15	Alameda
15R18	Electronic Bicycle Locker	Install 28 eLocker Quads totaling 112 lockers	\$280,000	Bay Area Rapid Transit District	0.089	0.128	0.070	2/9/15	Regional
15R19	Electronic Bicycle Locker	Install two (2) eLocker Quads and one (1) eLocker Double totaling 10 lockers	\$25,000	University of California, Berkeley	0.008	0.011	0.008	12/9/14	Alameda
15R21	Electronic Bicycle Locker	Install three (3) eLocker Quads totaling 12 lockers	\$30,000	City of Emeryville	0.010	0.014	0.007	12/16/14	Alameda
15R22	Electronic Bicycle Locker	Install four (4) eLocker Quads totaling 16 lockers.	\$40,000	Peninsula Corridor Joint Powers Board	0.013	0.018	0.010	12/18/14	San Mateo
15R23	Electronic Bicycle Locker	Install 11 eLocker Quads totaling 44 lockers	\$90,000	Capitol Corridor Joint Powers Authority	0.035	0.050	0.027	1/30/15	Regional
15R24	Electronic Bicycle Locker	Install two (2) eLocker Quads totaling 8 lockers	\$20,000	Napa County Transportation and Planning Agency	0.006	0.009	0.005	2/2/15	Napa
15R25	Electronic Bicycle Locker	Install one (1) eLocker Quad totaling 4 lockers	\$10,000	City of Richmond	0.003	0.005	0.002	2/5/15	Contra Costa
15R26	Electronic Bicycle Locker	Install one (1) eLocker Quad totaling 4 lockers	\$10,000	City of Concord	0.003	0.005	0.002	2/13/15	Contra Costa
14PEV001	Plug-in Electric Vehicle (PEV)	Purchase 24 PEVs	\$60,000	County of Alameda, General Services Agency	0.008	0.011	0.001	8/19/14	Alameda
14PEV002	PEV	Purchase 22 PEVs	\$55,000	County of Sonoma	0.008	0.011	0.001	10/18/14	Sonoma
14PEV003	PEV	Purchase 1 PEV	\$2,500	City of Morgan Hill	0.000	0.000	0.000	10/30/14	Santa Clara

AGENDA 4 - ATTACHMENT 4

Summary of all TFCA approved and eligible projects (received between 7/1/14 and 9/7/15)

Project #	Project Category	Project Description	Award Amount	Applicant Name	Emission Reductions (Tons per year)			Board Approval Date	County
					NO _x	ROG	PM		
14PEV004	PEV	Purchase 3 PEVs	\$7,500	City of Oakland	0.001	0.001	0.000	1/21/15	Alameda
14PEV005	PEV	Purchase 4 PEVs	\$5,500	San Francisco Public Works	0.001	0.002	0.000	1/21/15	San Francisco
14PEV006	PEV	Purchase 1 PEV	\$1,000	Ross Valley Fire Department	0.000	0.000	0.000	3/26/15	Marin
14PEV007	PEV	Purchase 6 PEVs	\$15,000	Contra Costa County, Public Works Fleet Services Division	0.002	0.003	0.000	4/21/15	Contra Costa
14PEV008	PEV	Purchase 15 PEVs	\$15,000	San Francisco Public Works	0.004	0.007	0.000	4/22/15	San Francisco
14PEV009	PEV	Purchase 2 electric motorcycles	\$5,000	Walnut Creek Police Department	0.000	0.014	0.000	6/9/15	Contra Costa
14PEV010	PEV	Purchase 3 PEVs	\$7,500	Town of Danville	0.001	0.001	0.000	6/30/15	Contra Costa
15DCFC01*	PEV Charger	Install 2 Direct Current Fast Chargers (DCF) and 8 Level 2 (L2) chargers in Rohnert Park	\$146,396	Federated Indians of Graton Rancheria	0.032	0.041	0.004	10/15/14	Sonoma
15DCFC02*	PEV Charger	Install 2 DCF and 4 L2 chargers in Fremont and Sunol	\$160,000	Resurgens Renewables, LLC	0.024	0.031	0.003	10/15/14	Alameda
15DCFC04*	PEV Charger	Install 4 DCF chargers at San Francisco International Airport (SFO)	\$272,000	City & Co of San Francisco, Airport Commission	0.033	0.042	0.004	10/15/14	San Mateo
16EV001	PEV Charger	Install 10 L2 chargers at Santana Row	\$30,000	Car Charging, Inc.	0.008	0.010	0.001	APCO	Santa Clara
16EV003	PEV Charger	Install 39 L2 chargers at 37 Multi-family Dwelling Unit properties	\$234,000	Powertree Services Inc.	0.030	0.039	0.004	Pending	San Francisco
15R05	Shuttle & Rideshare	Regional Rideshare Program (511.org)	\$1,000,000	Metropolitan Transportation Commission	19.546	20.615	18.197	11/17/14	Regional
15R06	Shuttle & Rideshare	SJSU Ridesharing & Trip Reduction	\$140,000	Associated Students, San Jose State University	0.659	0.644	0.537	11/17/14	Regional
15R07**	Shuttle & Rideshare	ACE Shuttle 53 & Shuttle 54	\$100,000	San Joaquin Regional Rail Commission	0.440	0.360	0.400	11/17/14	Contra Costa
15R11	Shuttle & Rideshare	Broadway Shuttle	\$229,173	City of Oakland	0.547	0.398	0.437	11/17/14	Alameda
15R12	Shuttle & Rideshare	ACE Shuttle Bus Program (8 Routes)	\$960,000	Santa Clara Valley Transportation Authority	3.429	3.819	3.487	11/17/14	Santa Clara
15R13**	Shuttle & Rideshare	Caltrain Shuttle Program (24 Routes)	\$989,378	Peninsula Corridor Joint Powers Board	3.968	3.212	3.777	11/17/14	San Mateo
15R16	Shuttle & Rideshare	Embarcadero Cove Pilot Shuttle	\$56,092	County of Alameda	0.079	0.081	0.071	11/17/14	Alameda
15R17	Shuttle & Rideshare	PresidiGo Shuttle	\$75,000	Presidio Trust	0.324	0.328	0.294	11/17/14	San Francisco

of Projects: 73

\$8,027,180

30.28 31.12 27.58

*Award amount reflects TFCA and CEC funds awarded. On July 8, 2014, the California Energy Commission (CEC) provided co-funding in the amount of \$449,708 to the Air District for the deployment of 10 direct current (DC) fast chargers and 12 level 2 chargers at six Bay Area locations.

**Table shows contracted amount - Project sponsors received the difference between Award Amount and contracted amount through County Program Manager

AGENDA 4 - ATTACHMENT 5

Summary of distribution of TFCA funds by county and project category
(for eligible projects evaluated between 7/1/14 and 9/7/15)

Figure 1: Eligible TFCA Projects (Received 7/1/2014 thru 9/7/15)
by Project Category

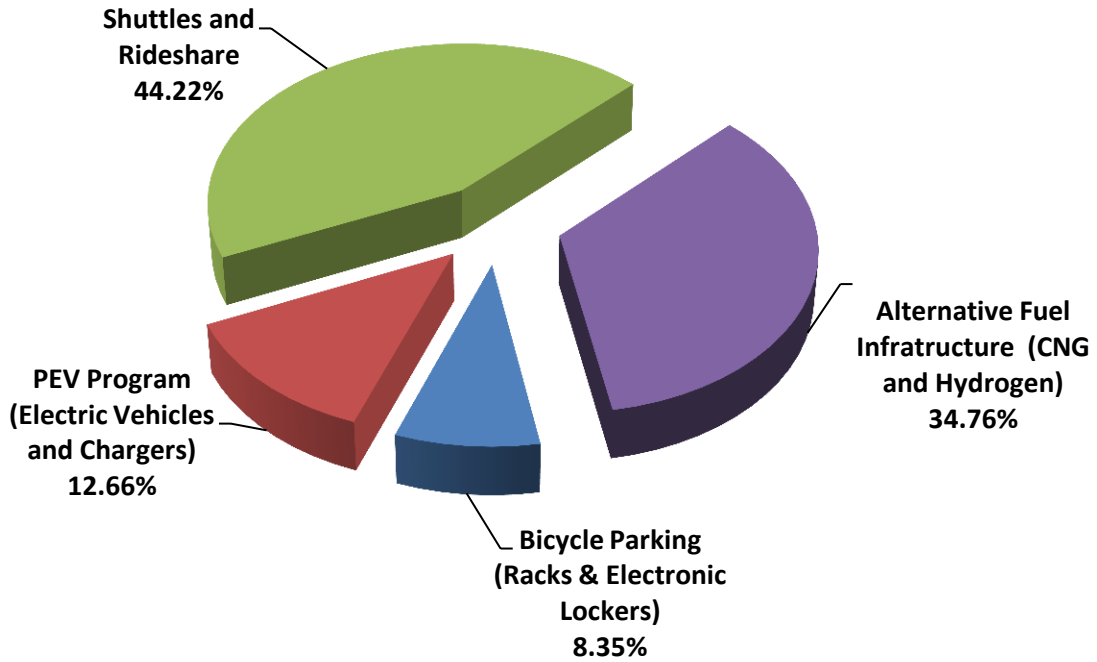
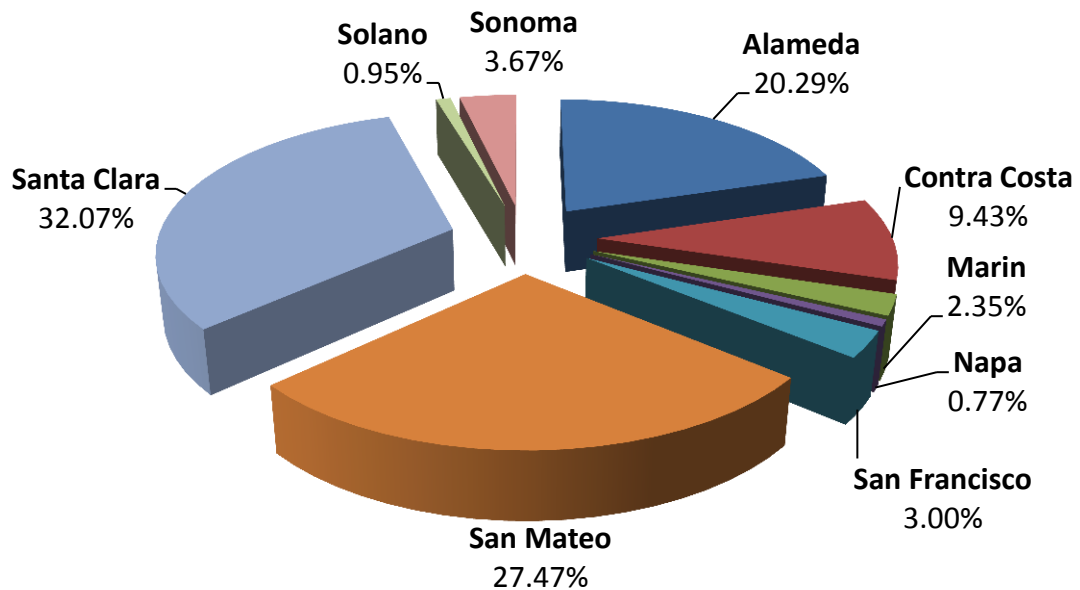


Figure 2: Eligible TFCA Projects (Received 7/1/2014 thru 9/7/15)
by County



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: September 14, 2015

Re: Participation in Year Five of the California Goods Movement Bond Program

RECOMMENDED ACTION

Recommend the Board of Directors:

1. Adopt a resolution in support of the Air District’s application for Year 5 Goods Movement Bond Program (I-Bond) funding;
2. Authorize the Executive Officer/APCO to enter into agreements with the California Air Resources Board (ARB) related to the acceptance of I-Bond funding; and
3. Authorize the Executive Officer/APCO to appropriate I-Bond funding and to enter into agreements with eligible applicants for projects ranked and approved by the ARB.

BACKGROUND

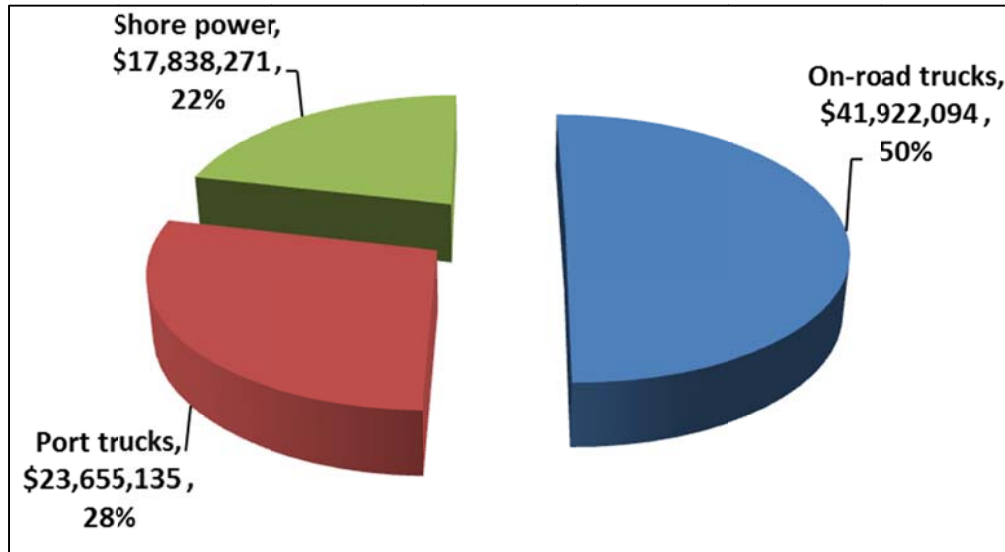
In November 2006, California voters authorized the Legislature to appropriate \$1 billion in bond funding to quickly reduce air pollution emissions and health risk from freight movement along California’s priority trade corridors. On February 28, 2008, the California Air Resources Board (ARB) approved 14% of the total local agency funding from projected bond sales for emission reduction projects in the Bay Area trade corridor.

The Air District has administered the Goods Movement Bond Program (I-Bond) in the Bay Area for the first four funding cycles. To date the Air District has expended over \$80 million in I-Bond funding for projects to:

- Retrofit 1,400 port trucks,
- Replace over 560 port trucks,
- Retrofit 65 on-road trucks,
- Replace 850 on-road trucks (*still in progress*), and
- Electrify 12 berths at the Port of Oakland (*shore power*).

Collectively, these projects have reduced over 238 tons of Particulate Matter 2.5 (PM_{2.5}), and 9,347 tons of Nitrogen Oxides (NOx). Figure 1 shows the distribution of the Air District’s I-Bond expenditures by project equipment category over the first four funding cycles.

Figure 1 - Air District I-Bond expenditures by equipment category



As part of this report staff will update the Committee on the Air District's Year 5 I-Bond application and request Board of Directors adoption of a resolution in support of this application and program implementation.

DISCUSSION

On July 6, 2015, ARB issued a Notice of Funding Availability for the Year 5 (Fiscal Year 2015-16) I-Bond program. As part of this announcement, ARB identified eligible project equipment categories and the following priorities for these funds:

1. Truck projects to upgrade equipment to zero-emission and hybrid vehicles capable of zero emission miles, as well as vehicles certified to the lowest optional NOx standard of 0.02g/bhp-hr. These projects will receive priority and enhanced funding, which will provide an added incentive to applicants and promote the transition to the cleanest technology. These projects will continue to reduce the health risk in communities statewide, especially those near freeways and freight facilities.
2. Truck projects to assist small truck fleets with upgrading to cleaner technology that can still achieve early or extra emission reductions relative to the ARB Truck & Bus Regulation.
3. Projects to upgrade trucks, transport refrigeration units, commercial harbor craft, ships at berth, and cargo handling to zero and near-zero emission equipment through replacement, repower, and retrofit, as applicable. A broader deployment of these technologies will be needed in all trade corridors to attain health-based air quality standards as well as attain future long-term greenhouse gas reduction goals in all trade corridors.
4. Locomotive projects based on engines meeting the most stringent national emission standards (Tier 4). These projects will further reduce the health risks near rail yards.

Air District staff held a public meeting on July 27, 2015, to gather input on ideas for the Bay Area trade corridor's Year 5 I-Bond program funding objectives. Nineteen stakeholders participated in the meeting including equipment owners, vendors, and lenders. The feedback received from the participants was taken into consideration as staff finalized the Air District's application. The application requested \$47 million in Year 5 I-Bond funding focused on the following project equipment categories:

- **Heavy-duty diesel trucks:** \$24 million for heavy-duty diesel truck projects. The requested amount includes project and administrative funding, and will upgrade approximately 507 trucks. These funds are estimated to reduce 3,577 tons of NOx over the lives of the funded projects.
- **Locomotives and rail yards:** \$15 million for locomotive and rail yard projects. The requested amount includes project and administrative funding and will replace approximately seven locomotives. These funds are estimated to reduce 64 tons of PM and 1,062 tons of NOx over the lives of the funded projects.
- **Transportation refrigeration units (TRU):** \$3 million for projects that replace TRUs. The requested amount includes project and administrative funding and will upgrade approximately 66 TRUs. These funds are estimated to reduce 3 tons of PM and 106 tons of NOx over the lives of the funded projects.
- **Ships at berth & cargo handling equipment:** \$5 million for Cargo Handling Equipment projects. The requested amount includes project and administrative funding and will upgrade approximately four pieces of cargo-handling equipment. These funds are estimated to reduce 3 tons of PM and 296 tons of NOx over the lives of the funded projects.

The Air District submitted its application to ARB on August 4, 2015. ARB staff has indicated that the distribution of Year 5 funding amongst the project equipment categories may be adjusted from the originally approved amounts as program interest/demand dictates. ARB expects to have funding from bond sales to award up to \$240 million for new projects to local and state agencies.

At a public workshop on August 26, 2015, ARB staff presented preliminary staff recommendations which included a \$48.1 million allocation to the Air District for the Year 5 I-Bond program. This amount is a combination of new funds, and approximately \$8 million remaining from previous Air District I-Bond grant awards. The preliminary ARB recommendations indicate the project equipment category funding amounts will be distributed as requested in the Air District's application (as shown above) with the exception of the truck project funding which will increase from \$24 million to \$25.1 million. This funding recommendation will be considered by the ARB Board at a public hearing on September 24, 2015.

A required element of the I-Bond application is the submittal of an Air District Board resolution for program participation and implementation. Staff requests the Committee recommend the Board of Directors adopt the attached resolution in support of the Air District application for I-Bond funding. Additionally, staff recommends the Committee request the Board of Directors authorize the Executive Officer/APCO to enter into agreements with ARB to accept I-Bond funding, and enter into agreements with eligible applicants for projects ranked and approved by

the ARB. Staff will update the Committee on the status of this program throughout implementation.

BUDGET CONSIDERATION / FINANCIAL IMPACT

None. Through the I-Bond program the Air District distributes “pass-through” funds to public agencies and private entities on a reimbursement basis. Administrative costs for the program are provided by the funding source.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: Anthony Fournier
Reviewed by: Karen Schkolnick

Attachment 1: Resolution for Air District participation in Year 5 of the I-Bond program

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

RESOLUTION No. 2015 -

**A Resolution of the Board of Directors of the Bay Area Air Quality Management
Accepting Goods Movement Emission Reduction Program Funds
From the California Air Resources Board**

WHEREAS, under Government Code, Section 8879.23, subdivision (c), paragraph (2), funds are appropriated to the California Air Resources Board (ARB) for allocation on a competitive basis for projects that are shown to achieve the greatest emission reductions from activities related to the movement of freight along California's trade corridors;

WHEREAS, California Health and Safety Code, Section 39625 et seq. empowers ARB to allocate Goods Movement Emission Reduction Program ("Program") funds to local public entities, such as the Bay Area Air Quality Management District (District), to provide financial incentives to reduce emissions associated with the movement of freight along California's trade corridors;

WHEREAS, ARB has awarded the first four installments of Program funds to local agencies, which are currently implementing emission reduction projects under the Program;

WHEREAS, under the State's current fiscal policies, ARB's ability to award the subsequent Program funding is dependent on the availability of cash from bond sales or other State financing mechanisms;

WHEREAS, ARB expects to have funding from bond sales to award up to \$240 million for new projects to local and state agencies at a public ARB Board hearing in September 2015;

WHEREAS, in July 2015, ARB issued a notice of funding availability inviting local and state agencies to submit applications for funding for new projects;

WHEREAS, the District wishes to apply for funds for new projects pursuant to the ARB notice of funding availability;

WHEREAS, ARB requires each public agency to include in its application a signed or proposed resolution authorizing receipt of Program funding;

NOW, THEREFORE, BE IT RESOLVED, the Board of Directors hereby authorizes the District to enter into an agreement with ARB, accept funds, and provide matching funds under the fiduciary control of the District that are identified in a District project funding demonstration.

BE IT FURTHER RESOLVED, the Executive Officer is the District representative authorized to sign and submit the local agency project application.

BE IT FURTHER RESOLVED, the Executive Officer is the District representative authorized to execute the District's project grant agreement between ARB and the District.

BE IT FURTHER RESOLVED, the ARB approval of a competitively ranked equipment project list indicates the projects selected for funding and a backup list of eligible projects or for undersubscribed truck solicitations, the approval of a list of eligible projects.

BE IT FURTHER RESOLVED, the Executive Officer is the District representative authorized to execute an equipment project contract between the District and equipment owner and delegate signature authorization to others.

BE IT FURTHER RESOLVED, the Executive Officer is the District representative authorized to sign Grant Expenditure Requests and delegate signature authorization to others.

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 _____, 2015, by the following vote of the Board:

AYES:

NOES:

ABSENT:

Carole Groom
Chairperson of the Board of Directors

ATTEST:

Liz Kniss
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: September 9, 2015

Re: Allocation to Support Greenhouse Gas Emission Reduction Fund Projects

RECOMMENDED ACTION

Recommend the Board of Directors:

1. Adopt a resolution in support of the Air District's application for California Air Resources Board (ARB) Low Carbon Transportation Greenhouse Gas Emission Reduction Funds (GGRF);
2. Allocate up to \$4.65 million in Transportation Fund for Clean Air (TFCA) funding as match for GGRF projects using a project cost-effectiveness of \$500,000 per ton of emissions reduced;
3. Authorize the Executive Officer/APCO to enter into agreements with the ARB and partners related to the acceptance of GGRF funds; and
4. Authorize the Executive Officer/APCO to appropriate GGRF funds and to enter into agreements with project participants.

BACKGROUND

In 2012, the Legislature passed and Governor Brown signed into law three bills – AB 1532 (Pérez), SB 535 (De León), and SB 1018 (Budget and Fiscal Review Committee) – that established the Low Carbon Transportation Greenhouse Gas Emission Reduction Fund (GGRF). This fund receives Cap-and-Trade auction proceeds and provides the framework for how the auction proceeds will be administered in furtherance of the purposes of AB 32, including supporting long-term, transformative efforts to improve public health and develop a clean energy economy. The suite of implementing legislation offers direction for investing a portion of the auction proceeds to benefit disadvantaged communities identified by the CalEnviroScreen model developed by the California Environmental Protection Agency and the Office of Environmental Health Hazard Assessment. Specifically, SB 535 directs at least 25% of GGRF funding to projects that benefit disadvantaged communities and at least 10% to projects located in disadvantaged communities.

In June 2014, the California Air Resources Board (ARB) approved the Fiscal Year (FY) 2014-15 Funding Plan for the Air Quality Improvement Program (AQIP) and GGRF Investments,

providing up to \$222 million for programs and projects. Of the \$222 million in the plan, up to \$50 million was identified for advanced technology freight demonstration projects.

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. These registration fees are allocated through the Air District's Transportation Fund for Clean Air (TFCA) program. The statutory authority and requirements for the TFCA program are set forth in California Health and Safety Code Sections 44241 and 44242. Each year, the Air District's Board allocates funding and adopts policies and evaluation criteria that govern expenditure of TFCA funding. Sixty percent of TFCA funds are awarded directly 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.

As part of this report staff will update the Committee on the ARB Low Carbon Transportation GGRF solicitations and request the Air District's Board of Directors adopt a resolution in support of these applications.

DISCUSSION

On June 23, 2015 ARB issued solicitation announcements for \$47.3 million in Advanced Technology freight demonstration projects as part of their FY2014-15 Funding Plan. Funding for these solicitations is open to California-based public agencies, and California-based non-profits. The demonstration of these technologies is an important step in reaching the state's air quality and GHG reduction goals, and reducing exposure to air toxics in disadvantaged communities. The solicitations focused on advanced freight movement technologies in the two areas described below.

1. Zero-Emission Drayage Truck Demonstration Project

This solicitation provides up to \$23,658,500 for projects that reduce greenhouse gases, criteria pollutants, and toxic air contaminant emissions in disadvantaged communities. Projects funded under this solicitation will demonstrate full zero-emission drayage trucks, and drayage trucks that offer zero-emission miles (near zero-emission) by employing on-board range extending internal combustion engines or other technologies.

Staff has been meeting with potential project stakeholders (technology developers, trucking companies, local agencies, other air districts, etc.) over the past year to research developing technologies and define the scope of a demonstration project. The Air District, in collaboration with other air districts partners, plans to submit a joint proposal to ARB for these funds by September 24, 2015. This project, if selected, would demonstrate various zero and near-zero emission technologies on trucks primarily serving the ports of Oakland, Los Angeles, and Long Beach.

In the Bay Area, the Air District is proposing to work with local/regional trucking companies to deploy battery-electric trucks in local service around the Port of Oakland. The project will also demonstrate hybrid-electric trucks on longer regional routes between Sacramento and/or the San Joaquin Valley and the Port of Oakland.

2. Multi-Source Facility Demonstration Project

This solicitation provides up to \$23,658,500 for projects that reduce greenhouse gases, criteria pollutants, and toxic air contaminant emissions in disadvantaged communities. This project is intended to demonstrate multiple types of equipment and vehicles employing zero and near zero-emission technologies at one freight facility located within, or with the project directly benefitting, disadvantaged communities. Examples of multi-source facilities include distribution centers, warehouses, ports, intermodal rail yards, or other similar freight support facilities.

Similar to the drayage solicitation, staff has been meeting with various stakeholders over the past year to develop a proposal for the multi-source demonstration project. The Air District will submit a proposal to demonstrate various advanced technologies at the Port of Oakland to ARB by September 24, 2015.

Air District Commitment

Each of these solicitations requires the applicants to provide a minimum 25% match, of which at least 10% must be a cash match and the remaining 15% can be in-kind. Staff requests the committee allocate up to \$4.65 million in TFCA funds as cash match for these proposals. The TFCA funds will be reallocated from the balance (\$3.15 million) of a \$5 million allocation made by the Air District Board of Directors on March 19, 2014, to supplement the Year 4 I-Bond truck program, and \$1.5 million from the \$14 million allocated by the Board on May 6, 2015, for electric vehicle projects under the FY 2015-2016, TFCA funding cycle. The Air District and its project partners will also contribute in-kind match in the form of staff time, labor, and other resources.

Staff is proposing to evaluate these projects using a \$500,000 per ton of emissions reduced cost-effectiveness limit. The proposed projects are sponsored by major Original Equipment Manufacturers (OEMs) and represent a path to commercialization for these technologies that could not be accelerated using TFCA funding alone. Should these project proposals be approved, the TFCA allocation will leverage partner resources in excess of \$40 million.

A required element of the ARB applications is the submittal of an Air District Board resolution for program participation and implementation. Staff requests the Committee recommend the Board of Directors adopt the attached resolution in support of the Air District's GGRF proposals to: comply with the requirements of the Advanced Technology Demonstrations, accept Low Carbon GGRF funds, and allocate match funding. Additionally, staff recommends the Committee request the Board of Directors authorize the Executive Officer/APCO to enter into agreements with ARB and partner agencies to accept GGRF funding, and enter into agreements with project partners to implement these projects.

BUDGET CONSIDERATION / FINANCIAL IMPACT

None. Administrative costs for the program are provided by the funding source.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: Anthony Fournier
Reviewed by: Karen Schkolnick

Attachment 1: Resolution committing matching funds in support of applications to the California Air Resources Board for Low Carbon Transportation Greenhouse Gas Emission Reduction Fund projects

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

RESOLUTION NO. 2015-_____

A Resolution of the Board of Directors of the Bay Area Air Quality Management District committing matching funds in support of applications to the California Air Resources Board for Low Carbon Transportation Greenhouse Gas Emission Reduction Fund projects

WHEREAS, AB 118, the California Alternative and Renewable Fuel, Vehicle Technology, Clean Air, and Carbon Reduction Act of 2007 (Statutes of 2007, Chapter 750) created the Air Quality Improvement Program (AQIP), an incentive program administered by the California Air Resources Board (ARB);

WHEREAS, AB 1532 (Statutes of 2012, Chapter 807), SB 535 (Statutes of 2012, Chapter 830), and SB 1018 (Statutes of 2012, Chapter 39) established the Greenhouse Gas Emission Reduction Fund (GGRF) to receive Cap-and-Trade auction proceeds and provided a framework for administering auction proceeds in furtherance of the purposes of AB 32;

WHEREAS, in 2014, the California Legislature appropriated nearly \$200 million in GGRF monies to establish a Low Carbon Transportation GGRF program that ARB is implementing in coordination with the AQIP AB 118 programs through the ARB Fiscal Year 2014-15 Funding Plan for AQIP and Low Carbon Transportation GGRF Investments;

WHEREAS, the ARB Low Carbon Transportation GGRF solicitations under the Fiscal Year 2014-15 Funding Plan require each applicant to provide matching funds in support of their applications;

WHEREAS, in 1990, the California Legislature authorized the Bay Area Air Quality Management District (District) to impose a \$4 surcharge on motor vehicles registered within the Bay Area to fund projects that reduce on-road motor vehicle emissions;

WHEREAS, the Legislature has authorized, through the adoption and amendment of Health and Safety Code sections 44241, the expenditure of local motor vehicle surcharge revenues for projects that reduce vehicle emissions, and the District funds such projects through its Transportation Fund for Clean Air Program (TFCA);

WHEREAS, the District submitted applications to ARB in September 2015 to implement FY 2014-15 Low Carbon Transportation GGRF projects, and proposed to commit matching funds if awarded funding from ARB;

WHEREAS, ARB requires Low Carbon Transportation GGRF applicants to submit a Resolution to commit matching funds, accept funding from ARB, and implement projects in accordance with the requirements established by ARB;

NOW, THEREFORE, BE IT RESOLVED, the Board of Directors hereby approves the District's acceptance of ARB GGRF funds, and commits the District to comply with the ARB Low Carbon Transportation GGRF project requirements if awarded funding.

BE IT FURTHER RESOLVED, the Board of Directors authorizes the Executive Officer/Air Pollution Control Officer to provide the required matching funds in an amount up to \$4.65 million, by allocating local TFCA motor vehicle surcharge revenues.

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

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 _____, 2015, by the following vote of the Board:

AYES:

NOES:

ABSENT:

Carole Groom
Chairperson of the Board of Directors

ATTEST:

Liz Kniss
Secretary of the Board of Directors