



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

BOARD OF DIRECTORS  
MOBILE SOURCE COMMITTEE

COMMITTEE MEMBERS

SCOTT HAGGERTY - CHAIR  
JENNIFER HOSTERMAN  
CAROL KLATT  
MARK ROSS  
SHIRLEE ZANE

CAROLE GROOM – VICE CHAIR  
DAVID HUDSON  
NATE MILEY  
BRAD WAGENKNECHT

THURSDAY  
JANUARY 27, 2011  
9:30 A.M.

4<sup>TH</sup> FLOOR CONFERENCE ROOM  
939 ELLIS STREET  
SAN FRANCISCO, CA 94109

AGENDA

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

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.*

3. **APPROVAL OF MINUTES OF NOVEMBER 18, 2010**

4. **CONSIDERATION OF PROJECTS WITH PROPOSED GRANT AWARDS OVER \$100,000**

D. Breen/5041

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

*The Committee will consider recommending Board of Directors' approval of Carl Moyer and TFCA Regional Fund 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. **CONSIDERATION OF \$5 MILLION IN MSIF FUNDING FOR SHORE-POWER PROJECTS**

D. Breen/5041

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

*The Committee will consider recommending Board of Directors' approval of \$5 million in Mobile Source Incentive Fund (MSIF) monies for shore-power projects at the Port of Oakland and authorization for the Executive Officer/APCO to execute Grant Agreements for the recommended projects.*

6. **CONSIDERATION OF AIR DISTRICT PARTICIPATION IN YEAR 13 OF THE CARL MOYER PROGRAM**

D. Breen/5041

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

*The Committee will consider recommending Board of Directors' approval of Air District participation in Year 13 (Fiscal Year 2010/2011) of the Carl Moyer Program.*

7. **CONSIDERATION OF CONTRACT AWARD(S) FOR THE TFCA ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE) DEPLOYMENT PROGRAM**

**D. Breen/5041**  
[dbreen@baaqmd.gov](mailto:dbreen@baaqmd.gov)

*The Committee will consider recommending Board of Directors' approval of staff's recommendation for selection of a contractor(s) for the Electrical Vehicle Supply Equipment (EVSE) Deployment Program.*

8. **COMMITTEE MEMBER COMMENTS/OTHER BUSINESS**

*Any member of the Committee, or its staff, on his or her own initiative or in response to questions posed by the public, may: ask a question for clarification, make a brief announcement or report on his or her own activities, provide a reference to staff regarding factual information, request staff to report back at a subsequent meeting concerning any matter or take action to direct staff to place a matter of business on a future agenda. (Gov't Code § 54954.2).*

8. **TIME AND PLACE OF NEXT MEETING:** 9:30 a.m., Thursday, February 24, 2011

9. **ADJOURNMENT**

**CONTACT EXECUTIVE OFFICE - 939 ELLIS STREET  
SAN FRANCISCO, CA 94109**

**(415) 749-5130  
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.
- 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 Executive Office should be given at least three working days prior to the date of the meeting 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. Such writing(s) may also be posted on the District's website ([www.baaqmd.gov](http://www.baaqmd.gov)) at that time.

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**  
**939 ELLIS STREET, SAN FRANCISCO, CALIFORNIA 94109**  
**(415) 771-6000**

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

**JANUARY 2011**

<b>Budget &amp; Finance Committee Meeting</b>	<b>Wednesday</b>	<b>26</b>	<b>9:30 a.m.</b>	<b>4<sup>th</sup> Floor Conf. Room</b>
<b>Board of Directors Mobile Source Committee</b> <i>(Meets 4<sup>th</sup> Thursday each Month)</i>	<b>Thursday</b>	<b>27</b>	<b>9:30 a.m.</b>	<b>4<sup>th</sup> Floor Conf. Room</b>

**FEBRUARY 2011**

<b><u>TYPE OF MEETING</u></b>	<b><u>DAY</u></b>	<b><u>DATE</u></b>	<b><u>TIME</u></b>	<b><u>ROOM</u></b>
<b>Board of Directors Regular Meeting</b> <i>(Meets 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i>	<b>Wednesday</b>	<b>2</b>	<b>9:45 a.m.</b>	<b>Board Room</b>
<b>Advisory Council Meeting</b>	<b>Wednesday</b>	<b>9</b>	<b>9:00 a.m.</b>	<b>Board Room</b>
<b>Board of Directors Regular Meeting</b> <i>(Meets 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i>	<b>Wednesday</b>	<b>16</b>	<b>9:45 a.m.</b>	<b>Board Room</b>
<b>Board of Directors Mobile Source Committee</b> <i>(Meets 4<sup>th</sup> Thursday each Month)</i>	<b>Thursday</b>	<b>24</b>	<b>9:30 a.m.</b>	<b>4<sup>th</sup> Floor Conf. Room</b>

**MARCH 2011**

<b><u>TYPE OF MEETING</u></b>	<b><u>DAY</u></b>	<b><u>DATE</u></b>	<b><u>TIME</u></b>	<b><u>ROOM</u></b>
<b>Board of Directors Regular Meeting</b> <i>(Meets 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i>	<b>Wednesday</b>	<b>2</b>	<b>9:45 a.m.</b>	<b>Board Room</b>
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N.P. – 1/19/11 (3:36 p.m.)  
P/Library/Forms/Calendar/Calendar/Moncal

BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
Memorandum

To: Chairperson Haggerty and Members  
of the Mobile Source Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: January 19, 2011

Re: Mobile Source Committee Draft Meeting Minutes

RECOMMENDED ACTION:

Approve attached draft minutes of the Mobile Source Committee meeting of November 18, 2010.

DISCUSSION

Attached for your review and approval are the draft minutes of the November 18, 2010 Mobile Source Committee meeting.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Vanessa Johnson  
Reviewed by: Jennifer Cooper

Bay Area Air Quality Management District  
939 Ellis Street  
San Francisco, California 94109  
(415) 749-5000

**DRAFT MINUTES**

Summary of Board of Directors  
Mobile Source Committee Meeting  
Thursday, November 18, 2010  
9:30 a.m.

**CALL TO ORDER:** Vice Chairperson Carole Groom called the meeting to order at 9:30 a.m. without an initial quorum.

Roll Call: Scott Haggerty, Chairperson (arrived late); Carole Groom, Vice Chairperson; and Directors Carol Klatt and Mark Ross

Absent: Director Tom Bates, Jennifer Hosterman, Eric Mar, Nate Miley, Gayle B. Uilkema

**Public Comments:** There were no public comments

**Approval of Minutes:** Approval of the minutes of the Mobile Source Committee Meeting of October 28, 2010 was deferred to later in the meeting.

**Consideration of Projects with Proposed Grant Awards over \$100,000**

Damian Breen, Director of Strategic Incentives, introduced the item and provided an overview of the presentation.

Anthony Fournier, Grants Manager, gave the staff presentation and gave an overview of the Carl Moyer Program with proposed grant awards over \$100,000, which included:

- **Carl Moyer Program (CMP)**
  - Created in 1998 to reduce emissions from heavy-duty engines
  - Voluntary program that funds surplus emission reductions
  
- **Mobile Source Incentive Fund (MSIF)**
  - AB 923 allowed for additional \$2 motor vehicle registration fee surcharge (12/04)
  - CMP projects eligible for MSIF funding

Mr. Fournier presented total year 12 CMP/MSIF and VIP funds awarded as of 11/1/10, broken down by county and percentages and as identified in Attachments 1 and 2 of the staff report. Staff recommends the Committee recommend that the Board of Directors approve the Year 12 Carl Moyer Program/MSIF projects with proposed grant awards greater than \$100,000 (evaluated between 10/14/10 and 11/1/10); and authorize the Executive Officer/APCO to enter into agreements for the recommended Carl Moyer Program projects

**Committee Comments/Questions:** None

Public Comments: None

By consensus of those Committee members present, the Committee proposed Board of Directors' approval of Carl Moyer projects with proposed grant awards over \$100,000; and to authorize the Executive Officer/APCO to enter into agreements for the recommended Carl Moyer Program projects.

**Approval of Minutes:** The minutes of the Mobile Source Committee Meeting of October 28, 2010 were accepted by consensus of those Committee members present.

**Update on Electric Vehicle Charging Infrastructure Deployment Program;**

Director of Strategic Incentives, Damian Breen, gave the staff presentation and provided an overview of the item. He noted that the transportation sector accounts for more than 50% of criteria pollutants (ROG, NOx and PM), and more than 40% of greenhouse gas (GHG) emissions. EV technology, zero- and partial zero-emission vehicles are a promising solution to meeting local, State and Federal criteria and GHG emission reduction targets. He stated that on August 4, 2010, the Board of Directors allocated \$5 million to support EV infrastructure projects over the next two years.

Mr. Breen discussed EV deployment and said vehicles will be arriving in 2011 and that currently, all 2011 production year vehicles are sold out. Deployment will be phased-in with volume increasing towards later 2011 to ensure delivery of high quality vehicles and a smooth permitting process for home chargers.

He discussed public charging infrastructure statistics, and said there is current infrastructure in the Bay Area. Staff will provide support to cities and counties in dealing with local government permitting and best practices to streamline EV charger installation. The BAAQMD EV Infrastructure Incentives Program will focus on home charging.

Mr. Breen then discussed regional EV efforts and said the Joint Policy Committee is coordinating amongst the District, Metropolitan Transportation Commission (MTC) and the Association of Bay Area Governments (ABAG), to develop a framework for activities to support successful EV deployment in the Bay Area.

Committee Comments/Questions:

Chair Haggerty questioned and confirmed with Mr. Breen that the DC fast charging corridor will consist of 10 mile intervals of charging facilities along the highways between San Francisco and San Jose, Sacramento, Napa and the North Bay and as part of the RFP process, locations along the I-880, I-580, Highway 101 and 121 would be identified. The first portion of the incentive program includes a requirement to do business case analysis for fast charging, and will include how to monetize and charge for it, subscriptions, and/or credit card use, the discussion of which will return to the Committee. Chair Haggerty asked to keep Tesla apprised of anything the District is doing with EV technology.

Director Ross referred to current technologies in place in Martinez which work well and suggested the focus be on home charging.

Vice Chair Groom cited a recent KQED radio segment about home charging as being very informative. She noted grade separation work by Caltrans and confirmed with Mr. Breen that the District will look at funding mechanisms and private costs through deployment, as well as local, state and federal incentive programs and subsidies. Directors voiced interest in providing

incentives similar to the vehicle buy-back program, BART charging stations, and installation at private homes as well as multi-family locations.

Deputy APCO Jean Roggenkamp added that staff is also working with cities on installation during new home development and reviewed upfront versus retrofit costs.

Mr. Breen concluded the presentation and reviewed next steps:

- Continue collaboration with regional agencies and stakeholders to streamline permitting process;
- Issue RFP for incentive program for homes and DC fast charging corridor;
- Review recommendations from JPC process and results from the District's FY 09/10 funded projects.

Public Comments: None

**Committee Action:** Informational item; receive and file.

### **Consideration of Transportation Fund for Clean Air (TFCA) County Program Manager Policies and Procedures for Fiscal Year (FY) 2011/2012**

Program Manager, David Wiley, gave the staff presentation and provided an overview to the Committee. He said each year the Board of Directors is required to adopt TFCA policies that maximize emissions reductions and public health benefits. He reviewed efforts to date regarding solicitation of comments, meetings held with Program Manager representatives to discuss proposed revisions and address questions and comments, and he presented the following summary of minor policy changes:

- #1: Emissions reductions must be surplus at time of contract execution;
- #22, #23, #24, #25 and #31: Each vehicle and each arterial segment must be cost-effective;
- #29: Bicycles and electric 2-wheeled/3-wheeled vehicles are eligible.

Staff recommends the Committee recommend that the Board of Directors approve proposed revisions to the County Program Manager Fund Policies to govern allocation of FY 11/12 TFCA County Program Manager Funds.

Committee Comments/Questions:

Chair Haggerty and Vice Chair Groom commented and confirmed that minor comments had been received, staff has responded regarding the streamlining process, SB 83 allows funds raised through the \$10 surcharge to be spent for air quality, and there is a need for more extensive discussions in 2011, as well as discussion regarding motor vehicle fees for road and streets and congestion.

Public Comments: None

**Committee Action:** By consensus of those members present, the Committee recommended that the Board of Directors approve proposed revisions to County Program Manager Fund Policies to govern allocation of FY 2011/2012 TFCA County Program Manager Funds.

### **Consideration of Approval for Transportation Fund for Clean Air (TFCA) Regional Funds for Shuttle, Ridesharing and Vanpool Projects**

Director of Strategic Incentives, Damian Breen introduced and provided an overview of the item, stating staff is recommending expanding the award of the TFCA regional fund allocation.

Grants Manager, Karen Schkolnick, gave the staff presentation, a background on the TFCA program, stating that a \$4 surcharge on vehicle registration funds a portion of District programs such as Spare the Air and Smoking Vehicle program, and the balance is available to projects on a competitive basis. The objectives are to fund cost-effective projects that reduce criteria pollutants from motor vehicles, and support implementation of the Clean Air Plan.

Ms. Schkolnick noted that on June 2, 2010, the Board of Directors approved the TFCA FY 10/11 Regional Fund policies and allocated up to \$4 million for Shuttle, Ridesharing and Vanpool Projects. On July 19, 2010 a Call for Projects was issued and two grant application workshops were held in San Francisco and San Jose. A total of 15 applications were received as of September 30, 2010. She noted two applications were not eligible due to not meeting Board policies.

Staff recommends the allocation of \$4 million from TFCA FY 10/11 Regional Funds and \$914,043 from unallocated TFCA FY 09/10 Regional Funds for 13 projects listed in Attachment 1 of the staff report, which will fund the following:

- 3 Regional Ridesharing Projects - \$1,870,000
- 8 Existing Shuttle Projects - \$2,513,085
- 2 Pilot Shuttle Projects - \$530,958

She noted emissions reductions of 159.84 tons per year of criteria pollutants and 52,314.47 tons per year of CO<sub>2</sub>, presented a breakdown of distribution of funds by county and by project category, and said staff recommends the Committee recommend that the Board of Directors approve TFCA Shuttle, Ridesharing and Vanpool projects listed in Attachment 1; and authorize the Executive Officer/APCO to enter into agreements for the recommended TFCA projects on Attachment 1.

Mr. Breen added that the District was lucky this year to find this funding, as it is increasingly competitive. Next year, staff may want to increase the amount for shuttles. He said if kept at the \$4 million level, there are a number of projects the District might not be able to fund.

Committee Comments/Questions:

Chair Haggerty questioned and received explanation of San Jose State University's criteria as a regional project through the capability of supporting users (students) coming from at least three counties with public transportation alternatives throughout the region.

Public Comments: None.

**Committee Action:** The consensus of those members present was to recommend that the Board of Directors approve TFCA Shuttle, Ridesharing and Vanpool projects listed in Attachment 1; and authorize the Executive Officer/APCO to enter into agreements for the recommended TFCA projects on Attachment 1.

**Committee Member Comments:** None.

**Next Meeting:** At the Call of the Chair

**Adjournment:** Meeting adjourned at 10:16 a.m.

Lisa Harper  
Clerk of the Boards

## Attachment 1

BAAQMD Year 12 Carl Moyer Program/ MSIF projects with grant awards greater than \$100k  
(Evaluated between 11/1/2010 and 1/7/2011)

Project #	Applicant name	Equipment category	Project description	Proposed contract award	NOx (TPY)	ROG (TPY)	PM (TPY)	County
12MOY50	George Chiala Farms, Inc.	Off-road	The replacement of one (1) off-road diesel powered tractor.	\$ 166,992.00	0.993	0.073	0.003	Santa Clara
12MOY23	Bodega Farms	Off-road	The replacement of one (1) off-road diesel powered loader.	\$ 100,201.00	0.643	0.112	0.031	Sonoma
12MOY56	Bass Tub Fishing (charter fishing)	Marine	The repower of two (2) diesel powered main engines.	\$ 185,322.00	3.166	0.084	0.105	San Francisco
12MOY49	C-Gull Sportfishing, Inc. (charter fishing)	Marine	The repower of two (2) diesel powered main engines.	\$ 212,256.00	2.037	-0.045	0.073	Alameda
12MOY68	McCall Dairy	Off-road	The replacement of one (1) off-road diesel powered loader.	\$ 117,956.00	0.492	0.084	0.025	Sonoma
				<b>\$ 782,727.00</b>	<b>7.331</b>	<b>0.307</b>	<b>0.237</b>	

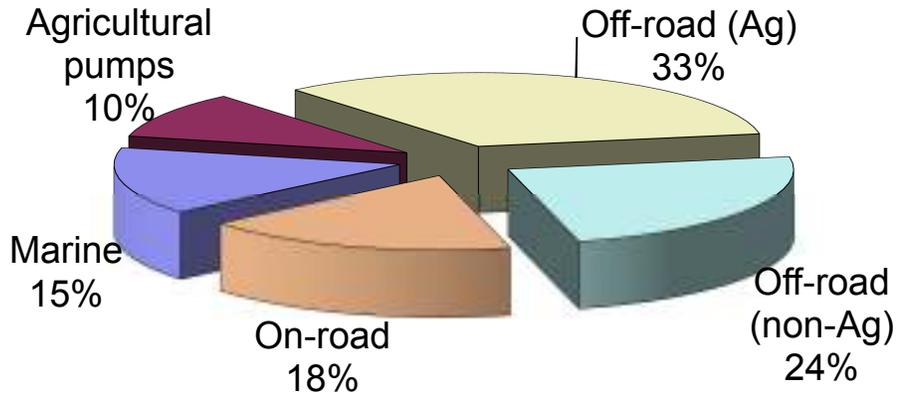
## Attachment 2

### Summary of all CMP Yr 12/ MSIF and VIP approved/ eligible projects (11/1/10 to 1/7/11)

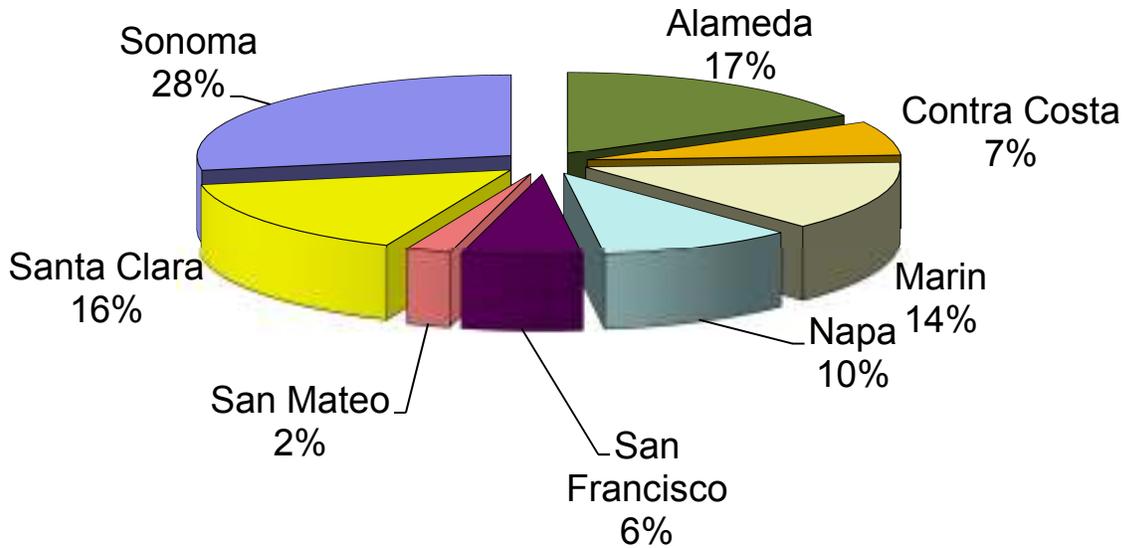
Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	NOx (TPY)	ROG (TPY)	PM (TPY)	Board approval date	County
12MOY2	Agriculture	Engine repower	3	\$ 57,831.00	Nichelini Vineyards, LLC	0.648	0.078	0.021	APCO	Napa
12MOY8	Off-road	Equipment replacement & retrofit	1	\$ 201,620.00	Evergreen Supply	1.556	0.185	0.075	8/4/2010	Santa Clara
12MOY11	Off-road	Equipment replacement	2	\$ 43,833.00	Domenico J. Carinalli, Jr. (farmer)	0.141	0.047	0.015	APCO	Sonoma
12MOY5	Agriculture	Engine repower	1	\$ 35,119.00	Carpenter Ranchs Inc	0.542	0.079	0.022	APCO	Napa
12MOY6	Agriculture	Engine repower	1	\$ 28,163.00	Vimark Inc.	0.218	0.027	0.008	APCO	Sonoma
12MOY18	Off-road	Equipment replacement	1	\$ 115,900.00	Don Moreda JR. (dairy)	0.318	0.087	0.035	10/6/2010	Sonoma
12MOY7	Agriculture	Engine repower	1	\$ 28,798.00	Beard Family Vineyards	0.223	0.030	0.009	APCO	Napa
12MOY4	Off-road	Equipment replacement	1	\$ 115,887.00	Andy Poncia (fertilizer/farm support)	0.790	0.133	0.040	10/6/2010	Sonoma
12MOY10	Off-road	Equipment replacement	1	\$ 39,868.00	Daniel H. Evans (farmer)	0.227	0.041	0.011	APCO	Marin
12MOY19	Agriculture	Engine repower	9	\$ 187,170.00	Skalli Corporation DBA St. Supery	4.396	0.528	0.156	10/6/2010	Napa
12MOY26	Off-road	Equipment replacement	1	\$ 108,517.00	Gerald & Kristy Spaletta (dairy)	0.645	0.110	0.033	10/6/2010	Sonoma
12MOY28	Off-road	Equipment replacement	2	\$ 69,940.00	Terrilinda Dairy	0.468	0.085	0.022	APCO	Sonoma
12MOY22	Off-road	Equipment replacement	4	\$ 122,062.00	ST Francis Winery & Vineyards	0.412	0.086	0.030	10/6/2010	Sonoma
12MOY9	Off-road	Equipment replacement	1	\$ 31,260.00	Deniz Dairy	0.379	0.068	0.018	APCO	Sonoma
12MOY27	Off-road	Equipment replacement	1	\$ 35,386.00	Alfred Corda	0.189	0.034	0.009	APCO	Marin
12MOY30	Agriculture	Engine repower	2	\$ 31,610.00	Beckstoffer Vineyards	0.888	0.112	0.032	APCO	Napa
12MOY21	Marine	Engine repower	2	\$ 149,288.00	James Smith (Commercial fishing)	1.530	0.034	0.051	11/3/2010	Contra Costa
12MOY32	Marine	Engine repower	2	\$ 103,010.00	Monterey Canyon Research Vessels, Inc	0.519	0.014	0.018	11/3/2010	San Francisco
12MOY43	Agriculture	Engine repower	2	\$ 51,834.00	Boisset Family Estates	0.954	0.113	0.031	APCO	Napa
12MOY29	Off-road	Equipment replacement	1	\$ 63,667.00	Daniel Sare (farmer)	0.175	0.036	0.011	APCO	San Mateo
12MOY33	Off-road	Equipment replacement	1	\$ 29,012.00	Eugene Poncia (farmer)	0.093	0.017	0.004	APCO	Marin
12MOY44	Off-road	Equipment replacement	1	\$ 23,032.00	Moretti Family Dairy	0.164	0.027	0.009	APCO	Marin
12MOY17	Agriculture	Engine repower	4	\$ 44,696.00	Korbel Vineyards	0.237	0.029	0.008	APCO	Sonoma
12MOY36	Off-road	Equipment replacement	2	\$ 382,265.00	Marin Sanitary Service	2.612	0.419	0.156	11/3/2010	Marin
12MOY31	Off-road	Equipment replacement	2	\$ 138,276.00	Hillside Drilling Inc	1.419	0.202	0.065	11/3/2010	Contra Costa
12MOY34	Off-road	Equipment replacement	2	\$ 132,819.00	Robert Giacomini Dairy, Inc	1.380	0.174	0.041	12/2/2010	Marin
12MOY42	Off-road	Equipment replacement	1	\$ 194,615.00	DJNI Engineering	1.558	0.173	0.070	12/2/2010	Santa Clara
12MOY45	Off-road	Equipment replacement	1	\$ 130,955.00	South Valley Mushroom Farm, Inc	0.603	0.100	0.023	12/2/2010	Santa Clara
12MOY41	Off-road	Equipment replacement	2	\$ 46,321.00	DeBernardi Dairy Inc.	0.495	0.158	0.041	APCO	Sonoma
12MOY35	Off-road	Equipment replacement	1	\$ 23,350.00	Spaletta Dairy	0.301	0.051	0.017	APCO	Sonoma
12MOY46	Off-road	Equipment replacement	2	\$ 167,096.00	Sonoma Compost	1.496	0.204	0.049	12/2/2010	Sonoma
12MOY52	Off-road	Equipment replacement	1	\$ 52,114.00	MCE Amos Inc (dairy)	0.334	0.057	0.017	APCO	Sonoma

Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	NOx (TPY)	ROG (TPY)	PM (TPY)	Board approval date	County
12MOY38	Off-road	Equipment replacement	1	\$ 87,870.00	American Soil Products, Inc.	0.772	0.095	0.027	APCO	Alameda
12MOY54	Off-road	Equipment replacement	1	\$ 43,248.00	Peter Marchi & Son Farm, Inc.	0.142	0.040	0.015	APCO	San Mateo
12MOY50	Off-road	Equipment replacement	1	\$ 166,992.00	George Chiala Farms, Inc.	0.993	0.073	0.003	Board	Santa Clara
12MOY23	Off-road	Equipment replacement	1	\$ 100,201.00	Bodega Farms	0.643	0.112	0.031	Board	Sonoma
12MOY62	Agriculture	Engine repower	1	\$ 40,017.00	Herrick Grand III (farmer)	0.871	0.104	0.034	APCO	Napa
12MOY39	Marine	Engine repower	2	\$ 77,592.00	Sundance Charters, LLC. (charter fishing)	0.393	0.013	0.013	APCO	Alameda
12MOY59	Off-road	Equipment replacement	1	\$ 34,256.00	Henri Vandendriessche dba White Rock Vineyards	0.164	0.028	0.010	APCO	Napa
12MOY56	Marine	Engine repower	2	\$ 185,322.00	Bass Tub Fishing (charter fishing)	3.166	0.084	0.105	Board	San Francisco
12MOY49	Marine	Engine repower	2	\$ 212,256.00	C-Gull Sportfishing, Inc. (charter fishing)	2.037	-0.045	0.073	Board	Alameda
12MOY68	Off-road	Equipment replacement	1	\$ 117,956.00	MC CALL DAIRY	0.492	0.084	0.025	Board	Sonoma
VIP2	VIP	Truck replacement	1	\$ 35,000.00	C. Hill Trucking	0.366	0.014	0.658	APCO	Alameda
VIP7	VIP	Truck replacement	1	\$ 35,000.00	David Bianchi Inc.	0.366	0.014	0.658	APCO	Sonoma
VIP10	VIP	Truck replacement	1	\$ 35,000.00	Donald Lopez	0.366	0.014	0.658	APCO	Alameda
VIP11	VIP	Truck replacement	1	\$ 35,000.00	Leyvas Transport	0.366	0.014	0.658	APCO	Monterey
VIP15	VIP	Truck replacement	1	\$ 35,000.00	Maddocks Construction Inc.	0.366	0.014	0.658	APCO	Sonoma
VIP16	VIP	Truck replacement	1	\$ 35,000.00	Northern Truck & Equipment	0.366	0.014	0.658	APCO	Alameda
VIP17	VIP	Truck replacement	1	\$ 30,000.00	Chahal Trucking	0.294	0.008	0.265	APCO	Alameda
VIP18	VIP	Truck replacement	1	\$ 30,000.00	Mann Transp	0.294	0.008	0.265	APCO	Alameda
VIP19	VIP	Truck replacement	1	\$ 40,000.00	Farlain Trucking	0.354	0.014	0.032	APCO	Sonoma
VIP20	VIP	Truck replacement	1	\$ 30,000.00	C & G Trucking	0.383	0.010	0.017	APCO	Stanislaus
VIP21	VIP	Truck replacement	1	\$ 35,000.00	Arrow Trucking	0.442	0.012	0.020	APCO	Alameda
VIP22	VIP	Truck replacement	1	\$ 35,000.00	VJ Trucking	0.305	0.012	0.027	APCO	Contra Costa
VIP23	VIP	Truck replacement	1	\$ 35,000.00	Dhindsa Trucking	0.305	0.012	0.027	APCO	Alameda
VIP24	VIP	Truck replacement	1	\$ 35,000.00	Trent McGrew Trucking	0.305	0.012	0.027	APCO	Shasta
VIP25	VIP	Truck replacement	1	\$ 30,000.00	Berkeley Warehouse	0.466	0.005	0.013	APCO	Alameda
VIP27	VIP	Truck replacement	1	\$ 30,000.00	GS Trucking	0.436	0.011	0.015	APCO	Alameda
VIP28	VIP	Truck replacement	1	\$ 35,000.00	Mark Maxwell	0.305	0.012	0.027	APCO	Alameda
VIP29	VIP	Truck replacement	1	\$ 45,000.00	JBV Trucking	0.649	0.016	0.022	APCO	Ventura
VIP32	VIP	Truck replacement	1	\$ 45,000.00	Harjot Singh	0.649	0.016	0.022	APCO	Alameda
VIP33	VIP	Truck replacement	1	\$ 45,000.00	John Whitney	0.390	0.015	0.035	APCO	Alameda
VIP34	VIP	Truck replacement	1	\$ 45,000.00	James A. King	0.579	0.015	0.026	APCO	Merced
VIP36	VIP	Truck replacement	1	\$ 45,000.00	Fourway Trucking, Inc.	0.510	0.013	0.017	APCO	Alameda
VIP37	VIP	Truck replacement	1	\$ 45,000.00	Jasmer Singh/Surjit Kaur	0.649	0.016	0.022	APCO	Santa Cruz
VIP38	VIP	Truck replacement	1	\$ 35,000.00	Rupinderjit Singh Basra	0.640	0.020	0.029	APCO	Santa Clara
<b>66 Projects</b>			<b>96</b>	<b>\$ 4,931,024.00</b>		<b>45.735</b>	<b>4.438</b>	<b>6.336</b>		

**Figure 1: CMP/ MSIF Funding Distribution by Equipment Category as of 1/7/11**



**Figure 2: CMP/ MSIF Funding Distribution by County as of 1/7/11**



BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
Memorandum

To: Chairperson Haggerty and Members  
of the Mobile Source Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: January 18, 2011

Re: Consideration of Projects with Proposed Grant Awards Over \$100,000

RECOMMENDATIONS:

Recommend Board of Directors:

1. Approve Carl Moyer Program projects with proposed grant awards over \$100,000.
2. Authorize the Executive Officer/APCO to enter into agreements for the recommended Carl Moyer Program projects.

BACKGROUND

The Bay Area Air Quality Management District (Air District) has participated in the Carl Moyer Program (CMP), in cooperation with the California Air Resources Board (ARB), since the program began in fiscal year 1998/1999. The CMP provides grants to public and private entities to reduce emissions of oxides of nitrogen (NOx), reactive organic gases (ROG) and particulate matter (PM) from existing heavy-duty engines by either replacing or retrofitting them. Eligible heavy-duty diesel engine applications include on-road trucks and buses, off-road equipment, marine vessels, locomotives, stationary agricultural pump engines, and forklifts.

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 for grants under the CMP.

Since 1991, the Transportation Fund for Clean Air (TFCA) program has funded projects that achieve surplus emission reductions from on-road motor vehicles. Sixty percent (60%) of TFCA funds are awarded directly by the Air District through a grant program known as the Regional Fund that is allocated on a competitive basis to eligible projects proposed by project sponsors. Funding for this program is provided by a \$4 surcharge on motor vehicles registered within the San Francisco Bay Area as authorized by the California State Legislature. The statutory authority

for the TFCA and requirements of the program are set forth in California Health and Safety Code Sections 44241 and 44242.

On March 17, 2010, the Board of Directors authorized Air District participation in Year 12 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. On November 18, 2009, the Air District Board of Directors authorized the Executive Officer/APCO to execute Grant Agreements and amendments for projects funded with TFCA funds, with individual grant award amounts up to \$100,000.

CMP and TFCA projects with grant award amounts over \$100,000 are brought to the 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 started accepting applications for CMP Year 12 projects on May 3, 2010. The Air District has approximately \$19 million available for CMP projects from a combination of MSIF and CMP funds. Project applications are being accepted and evaluated on a first-come, first-served basis.

As of January 7, 2011, the Air District had received 72 project applications. Of the applications that have been evaluated between November 1, 2010 and January 7, 2011 five eligible projects have proposed individual grant awards over \$100,000. These projects will replace three pieces of off-road equipment and four marine engines, which will result in the reduction of 7.876 tons of NO<sub>x</sub>, ROG and PM per year. Staff recommends allocating \$782,727 to these projects from a combination of CMP funds and MSIF revenues. Attachment 1 to this staff report provides additional information on these projects.

Attachment 2 lists all of the eligible projects that have been received by the Air District as of January 7, 2011, and summarizes the allocation of funding by equipment category (Figure 1), and county (Figure 2). This list also includes the Voucher Incentive Program (VIP) on-road replacement projects awarded to date. Approximately 33% of the funds have been awarded to projects that reduce surplus emissions in highly impacted Bay Area communities.

### **TFCA:**

No TFCA applications requesting individual grant awards over \$100,000 received between November 1, 2010 and January 7, 2011 are being forwarded for approval at this time.

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  
Reviewed by: Damian Breen

Attachment 1: BAAQMD Year 12 Carl Moyer Program/MSIF projects with grant awards greater than \$100,000 (evaluated between 11/1/10 and 1/7/11)

Attachment 2: Summary of all CMP Year 12/MSIF and VIP approved/eligible projects (11/1/10 to 1/7/11)

BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
Memorandum

To: Chairperson Haggerty and Members  
of the Mobile Source Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: January 18, 2011

Re: Consideration of \$5 Million in Mobile Source Incentive Funds (MSIF) for Shore  
Power Projects

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RECOMMENDATIONS:

Recommend Board of Directors:

1. Approve the MSIF shore power project recommendations for the allocation of \$5 million in MSIF to three berths at the Port of Oakland.
2. Authorize the Executive Officer/APCO to enter into agreements for the recommended MSIF projects.

BACKGROUND

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 for grants under the Carl Moyer Program (CMP). Shore power projects are eligible for funding under the CMP guidelines.

On June 16, 2010, the Board of Directors reserved up to \$5 million in MSIF funding in support of shore-power projects at Bay Area ports. This allocation of the MSIF funding supplements the \$20 million in state funds that have been awarded to the Air District by the California Air Resources Board (ARB) for shore power projects as part of Years 2 and 3, of the California Goods Movement Bond (I-Bond) program. In this report, staff will update the Committee on the shore power projects being recommended to receive MSIF funding.

## DISCUSSION

On October 27, 2010, the District opened a solicitation for \$5 million in MSIF shore power project funding. Staff sent out notices of funding availability to all the ports in the Bay Area, and posted fact sheets, application materials and other supporting documents to the District's website. The application period closed on November 19, 2010.

Staff received shore power project applications for three berths at the Port of Oakland (Port) requesting a total of \$5 million. The Port submitted the applications on behalf of the terminal operators at the three proposed berths and is the sole applicant for the funding. The berths in the application are used by various shipping lines primarily for containerized cargo vessels, and account for more than 500 vessel visits per year. Additionally, these berths are among the Port's busiest terminals in terms of ship visits and cargo volumes. The vessels using these berths spend approximately 20 hours at berth during each visit.

To demonstrate surplus emission reductions, the Port is proposing that more vessels plug into the electric grid than would be required by the ARB shore power regulation. The Port is proposing a total of 530 additional vessel plug-ins across the three berths, over a 10 year period starting in January 2014. For example, starting in 2014 the ARB regulation would require Berth 58 to plug in 115 of the 229 total vessels that call on it for the year. As part of the recommended grants, the Port is proposing to plug in an additional 23 vessels (over the required 115) in 2014 in order to achieve the surplus emission reductions required for MSIF funding.

The proposed projects will reduce over 327 tons of emissions from ships at the Port by the end of the project life. The total cost to provide shore power to these three berths is about \$18.84 million. Table 1 provides more details on the individual berths being recommended for funding:

**Table 1: MSIF Shore Power Project Recommendations**

Berth	Terminal Operator	Proposed Funding Amount	Emission Reductions (TPY)			Annual vessel visits <sup>3</sup>	Cost-effectiveness
			NO <sub>x</sub>	ROG	PM		
58	SSAT <sup>1</sup>	\$2,017,000	13.48	0.48	0.24	229	\$11,906
57	SSAT	\$2,017,000	12.89	0.45	0.23	214	\$12,448
56	TTI <sup>2</sup>	\$966,000	4.69	0.17	0.08	79	\$16,394
<b>Totals</b>		<b>\$5,000,000</b>	<b>31.06</b>	<b>1.10</b>	<b>0.55</b>	<b>522</b>	

<sup>1</sup> SSAT: SSA Terminals, LLC

<sup>2</sup> TTI: Total Terminals International, LLC

<sup>3</sup> 2010 vessel visits, not all of these visits will use the shore power equipment.

Staff requests the Committee recommend the Board approve the MSIF shore power project recommendations for the allocation of \$5 million in MSIF to three berths at the Port of Oakland, and authorize the Executive Officer/APCO to enter into agreements for the recommended MSIF projects.

BUDGET CONSIDERATION / FINANCIAL IMPACT:

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

Respectfully submitted,

Jack P. Broadbent  
Executive Director/APCO

Prepared by: Anthony Fournier  
Reviewed by: Damian Breen

BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
Memorandum

To: Chairperson Haggerty and Members  
of the Mobile Source Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: January 18, 2011

Re: Consideration of Air District Participation in Year 13 of the Carl Moyer  
Program

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RECOMMENDED ACTION:

Recommend the Board of Directors:

1. Adopt a resolution authorizing the Executive Officer/APCO to execute all necessary agreements with the California Air Resources Board (CARB) relating to the Air District's receipt of Carl Moyer Program funds for fiscal year 2010-2011 (Program Year 13).
2. Allocate \$5 million in Mobile Source Incentive Funding for projects eligible for funding under the Carl Moyer Program.

BACKGROUND

The Bay Area Air Quality Management District (Air District) has participated in the Carl Moyer Program (CMP), in cooperation with the California Air Resources Board (ARB), since the program began in fiscal year 1998/ 1999. The CMP provides grants to public and private entities to reduce emissions of oxides of nitrogen (NOx), reactive organic gases (ROG) and particulate matter (PM) from existing heavy-duty engines by either replacing or retrofitting them. Eligible heavy-duty diesel engine applications include on-road trucks and buses, off-road equipment, marine vessels, locomotives, stationary agricultural pump engines, and forklifts.

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 for grants under the CMP.

## DISCUSSION

The Air District has submitted an application to ARB requesting \$10,600,000 in funding for the implementation of the Year 13 (FY 2010/ 2011) CMP funding cycle. Up to 5% of the total funds awarded to the Air District will be used to pay for administrative expenses related to the implementation of the CMP. As part of the application, the Air District has proposed the commitment of \$1,700,000 in matching funds for Year 13. The Air District will provide the required match by allocating MSIF funds to eligible emission reduction projects.

Staff plans to begin accepting CMP Year 13 applications in April 2010. Project applications will be accepted and evaluated on a first-come, first-served basis until all funds have been allocated. In accordance with the authorization granted to the Executive Officer/APCO on February 4, 2009, projects with individual grant awards up to \$100,000 will be executed by the Executive Officer/ APCO, and reported to the Mobile Source Committee (MSC) on a regular basis. Eligible projects with individual grant awards over \$100,000 will be brought to the MSC for consideration at least quarterly.

ARB requires districts to use the 2008 CMP Guidelines to allocate Year 13 CMP funds. The guidelines require all projects to achieve a cost-effectiveness of \$16,400 or less per ton of reduced emissions in order to be eligible to receive funding. Year 13 funding must be obligated to eligible projects by June 30, 2012, and expended by June 30, 2013. The process that will be used for identifying and prioritizing CMP Year 13 projects with the most significant exposure (“impacted communities”) will be similar to the process used for the Year 12 funding cycle as priority will be given to projects that reduce emissions in the six highest impacted communities: (1) Eastern San Francisco, (2) West Oakland, (3) East Oakland/San Leandro (4) Richmond, (5) San Jose and (6) Concord.

Staff requests the Committee recommend the Board of Directors adopt a resolution authorizing the Executive Officer/APCO to execute all necessary agreements with ARB relating to the Air District’s receipt of CMP Year 13 funds. Staff also requests \$5,000,000 in MSIF funds be allocated to eligible projects evaluated during the CMP Year 13 funding cycle. These funds will be used to cover the Air District match requirement, and to fund additional CMP projects.

BUDGET CONSIDERATION / FINANCIAL IMPACT:

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

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Anthony Fournier  
Reviewed by: Damian Breen

Attachment: A Resolution Accepting Carl Moyer Program Funds from the California  
Air Resources Board Resolution No. 2011-

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

**RESOLUTION No. 2011 -**

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

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

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

WHEREAS, the Bay Area Air Quality Management District (District) submitted an application to ARB requesting \$10,600,000 in Carl Moyer Program funds to implement the Carl Moyer Program for the fiscal year (FY) 2010-2011 (Year 13) cycle;

WHEREAS, the District proposed to commit up to \$1,700,000 in matching funds as part of the FY 2010-2011, (Year 13) Carl Moyer Program cycle, in accordance with the requirements of California Health and Safety Code section 44287;

WHEREAS, ARB has authorized a grant to the District to implement the Carl Moyer Program Year 13, upon approval by the Board of Directors to accept such grant of funds;

WHEREAS, ARB will award the a grant in the amount of as much as \$10,600,000, with the District-required match of up to \$1,700,000.

NOW, THEREFORE, BE IT RESOLVED, the Board of Directors hereby approves the District's continued participation in the Carl Moyer Program and acceptance of the FY 2010-2011, Carl Moyer Program funds, to be awarded to eligible projects in accordance with the ARB Carl Moyer Program guidelines.

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

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

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 \_\_\_\_\_, 2011, by the following vote of the Board:

AYES:

NOES:

ABSENT:

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Tom Bates  
Chairperson of the Board of Directors

ATTEST:

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Ash Kalra  
Secretary of the Board of Directors

BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
Memorandum

To: Chairperson Haggerty and  
Members of the Mobile Source Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: January 18, 2011

Re: Consideration of Contractor Award(s) for the TFCA Electric Vehicle Supply  
Equipment (EVSE) Deployment Program

RECOMMENDED ACTION

Recommend Board of Directors approval of:

- 1) *ECotality, Coulomb Technology, AeroVironment and Clipper Creek as contractors for the EVSE Home Charger Rebate project;*
- 2) *ECotality and AeroVironment as contractors for the Direct Current (DC) Fast Charger Deployment project;*
- 3) *ECotality as the contractor for Program Coordination; and*
- 4) *Authorization for the Executive Officer/APCO to execute contracts with each of these contractors.*

BACKGROUND

On August 4, 2010, the Bay Area Air Quality Management District (Air District's) Board of Directors (Board) allocated \$5 million to support Electric Vehicle (EV) infrastructure projects over the next two years. The Air District's support of EVs will include the deployment of infrastructure charge spots (in homes and public locations) through an EVSE Charging Deployment Incentives Program. This program includes a number of projects components, including EVSE Home Charger and DC Fast Charger deployment. Additionally, there is a project coordination component to ensure that all of the program elements are executed effectively.

On December 9, 2010, the Air District issued a Request for Proposals (RFP) seeking contractors to implement the three program elements listed above. Responses to the RFP were due on January 5, 2011. As part of this report, staff will discuss the results of the RFP and make recommendations to the Mobile Source Committee regarding award of Transportation Fund for Clean Air (TFCA) Regional Fund monies to selected contractors.

DISCUSSION

Proposals were evaluated by a team of Air District staff using scoring criteria defined in the RFP. A review of each RFP section's scoring criteria, results of staff evaluation and recommendations are presented below:

**EVSE Home Charger Rebate Program** – This program component seeks to deploy 2,750 chargers in Bay Area homes by December 30, 2012. The RFP stipulated that more than one contractor may be selected to complete this component and that qualifying Bay Area residents would be provided a rebate, or discount, of at least \$700. Rankings for the six (6) proposals for this component are presented below in Table 1:

**Table 1 - Results of Home Charger Deployment Project Application Review**

CRITERIA (POINTS)	APPLICANTS					
	ECotality	Coulomb Techn.	Aero-Vironment	Clipper Creek	350Green	G.E.
<b>Price (40)</b>	38	20	26	26	29	23
<b>Timeline/Available Resources (25)</b>	24	22	23	17	13	8
<b>Past Experience (15)</b>	15	14	11	12	8	4
<b>Responsiveness of Proposal (10)</b>	9	8	7	6	3	3
<b>Local/Green Business (10)</b>	7	9	6	2	4	6
<b>Total Points (100)</b>	<b>93</b>	<b>73</b>	<b>73</b>	<b>63</b>	<b>57</b>	<b>44</b>

Based on the results of the ranking above staff is recommending awards for the four (4) top-scoring applicants. This recommendation maximizes Bay Area residents’ options for infrastructure installation by allowing them to select varying charger technologies at varying price points.

Staff is recommending that the largest portion of this project be awarded to ECotality. As part of its response to the RFP, ECotality has included a proposal to have the Air District join the United States Department of Energy’s EV Project (DOE project). As part of the DOE project federal funds would be used to match Air District monies to provide charging equipment and its installation at no cost to Bay Area residents (in most cases). Additionally, participating residents would receive a free upgrade to their electric vehicles which would allow them to accept DC fast charging. The data gathered from the DOE project will be used to inform future federal investment in EV by analyzing vehicle uses, vehicle charging patterns, available infrastructure and financial models for its deployment. By contracting with ECotality, the Air District would also have access to this data and would utilize it to propose future investment in EV. Therefore, staff is recommending the following awards for the EVSE Home Charging Project:

- \$2,212,500 – ECotality, (1,500 chargers)
- \$350,000 - Coulomb Technology, (500 chargers)
- \$350,000 – AeroVironment, (500 chargers)
- \$175,000 - Clipper Creek, (250 chargers)

**DC Fast Charger Deployment Project** – This program component seeks to deploy 30 DC fast chargers by June 30, 2012. The RFP stipulated that more than one contractor may be selected to complete this component. As part of this program element, a discount of at least \$15,000 per charger installed will be provided to facilities installing the DC fast charging equipment. Rankings for the five (5) proposals for this component are presented below in Table 2:

**Table 2 - Results of DC Fast Charger Deployment Project Application Review**

CRITERIA (POINTS)	APPLICANTS				
	ECOtality	Aero-Vironment	Green Charge	350Green	Clean Fuel
<i>Price (40)</i>	37	40	40	39	35
<i>Timeline/Available Resources (25)</i>	23	19	17	18	20
<i>Past Experience (15)</i>	15	12	8	10	12
<i>Responsiveness of Proposal (10)</i>	9	8	7	6	8
<i>Local/Green Business (10)</i>	7	6	7	5	3
<i>Total Points (100)</i>	<b>91</b>	<b>85</b>	<b>79</b>	<b>78</b>	<b>78</b>

Based on the results of the ranking above staff is recommending awards for the two (2) top-ranking bidders. These companies are highly experienced in deployment of DC Fast Charging equipment and offer competitive usage rates to end users. Additionally, both will provide extensive data collection and reporting to the Air District. DC fast charging stations installed by ECOtality are also matched with federal funding from the DOE project. As a result those DC fast chargers will provide detailed information about DOE project vehicles using the equipment that will help to inform future fast charging deployments in the Bay Area region. Due to the experimental nature of this project component and relatively small number of chargers (30) recommended for installation, staff believes that contracting with two installers offers sufficient diversity to perspective equipment buyers. Therefore, staff is recommending the following awards for the EVSE Fast Charger Deployment Project:

- \$614,800 – ECOtality, (20 chargers)
- \$150,000 - AeroVironment, (10 chargers)

**Program Coordination** – As part of the RFP, staff also sought a contractor to perform regional coordination of home and public charging permitting, evaluation of sustainable business models for public charging infrastructure, and coordination with local stakeholders to share best practices. Rankings for the four (4) proposals for this component are presented below in Table 3:

**Table 3 - Results of Project Coordination Application Review**

CRITERIA (POINTS)	APPLICANTS			
	ECOtality	AeroVironment	Clean Fuel	Total Projex
<i>Price (40)</i>	40	40	40	40
<i>Timeline/Available Resources (25)</i>	23	18	14	8
<i>Past Experience (15)</i>	15	12	12	5
<i>Responsiveness of Proposal (10)</i>	9	8	6	3
<i>Local/Green Business (10)</i>	7	5	4	2
<i>Total Points (100)</i>	<b>94</b>	<b>83</b>	<b>76</b>	<b>58</b>

Based on the results of the ranking above staff is recommending an award for the top-ranking bidder, ECOtality. Based on their experience in coordinating and deploying EV infrastructure across 16 regions and cities nationwide, staff has determined them to be the most qualified applicant for this program component. Based on its analysis, staff is recommending the following award for Program Coordination:

- \$50,000– ECOtality

***Total Recommended TFCA Regional Fund Expenditures*** - The total amount of funds being recommended for award is \$3,902,300, leaving a remaining balance of EVSE Deployment Program funds of \$1,097,700. That balance will be used in FY 11/12 to fund additional residential or public chargers, based on the results of the regional analysis effort being undertaken by the Joint Policy Committee (the Air District, Metropolitan Transportation Commission and the Association of Bay Area Governments).

**BUDGET CONSIDERATION / FINANCIAL IMPACT:**

None. The Air District distributes “pass-through” funds to selected contractors on a reimbursement basis from the TFCA Regional Fund. This program leverages cost share funding provided to the contractors by federal and state grants and private funds. Administrative costs are provided to the Air District by the TFCA Regional Fund.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Karen Schkolnick  
Reviewed by: Damian Breen