



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

BOARD OF DIRECTORS
MOBILE SOURCE COMMITTEE

COMMITTEE MEMBERS

SCOTT HAGGERTY - CHAIR
TOM BATES
CAROL KLATT
NATE MILEY
GAYLE B. UILKEMA

CAROLE GROOM – VICE CHAIR
JENNIFER HOSTERMAN
ERIC MAR
MARK ROSS

**WEDNESDAY
JUNE 30, 2010
9:30 A.M.**

**4TH FLOOR CONFERENCE ROOM
939 ELLIS STREET
SAN FRANCISCO, CA 94109**

TELECONFERENCE LOCATION:

City of Pleasanton Mayor's Office, 123 Main Street, Pleasanton, CA 94566

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 MAY 27, 2010

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

D. Breen/5041

dbreen@baaqmd.gov

The Committee will consider recommending Board of Directors' approval of Carl Moyer and Transportation Fund for Clean Air 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. UPDATE ON THE STRATEGIC INCENTIVES DIVISION DATABASE SYSTEM

D. Breen/5041

dbreen@baaqmd.gov

The Committee will receive an informational update on the new Strategic Incentives Division database system including a demonstration of the online application for the Carl Moyer Program.

6. REQUEST TO APPROVE \$5 MILLION IN TRANSPORTATION FUND FOR CLEAN AIR REGIONAL FUND FOR ELECTRIC VEHICLE INFRASTRUCTURE PROJECTS

D. Breen/5041

dbreen@baaqmd.gov

The Committee will consider recommending Board of Directors' approval of \$5 million in Transportation Fund for Clean Air Regional Fund monies for electric vehicle infrastructure projects over the next two Fiscal Years (FY) 2010/11 and 2011/12.

7. **REQUEST TO APPROVE CONTRACT FOR TRANSPORTATION FUND FOR CLEAN AIR PROGRAM REVIEW IN THE AMOUNT OF \$200,000**
J. Colbourn/5192
jcolbourn@baaqmd.gov

The committee will consider recommending Board of Directors approval of a \$200,000 contract to provide a review and modernization of the Transportation Fund for Clean Air Regional Fund Program based on the results of a Request for Proposal (RFP) process conducted by staff.

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).

9. **TIME AND PLACE OF NEXT MEETING: July 22, 2010, 9:30 a.m.,** 939 Ellis Street, 4th Floor Conference Room, San Francisco, CA 94109

10. **ADJOURNMENT**

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

**(415) 749-5130
FAX: (415) 928-8560
BAAQMD homepage:
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) 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**

JUNE 2010

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Mobile Source Committee (<i>Meets 4th Thursday each Month</i>) - RESCHEDULE TO WEDNESDAY, JUNE 30, 2010	Thursday	24	9:30 a.m.	4 th Floor Conf. Room
Board of Directors Mobile Source Committee (<i>Meets 4th Thursday each Month</i>)	Wednesday	30	9:30 a.m.	4 th Floor Conf. Room

JULY 2010

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Regular Meeting (<i>Meets 1st & 3rd Wednesday of each Month</i>)	Wednesday	7	9:45 a.m.	Board Room
Joint Policy Committee Special Meeting	Friday	9	10:00 a.m.	MTC Auditorium 101 – 8 th Street Oakland, CA 94607
Advisory Council Regular Meeting	Wednesday	14	9:00 a.m.	Board Room
Joint Policy Committee - RESCHEDULE TO FRIDAY, JULY 9, 2010	Friday	16	10:00 a.m.	MTC Auditorium 101 – 8 th Street Oakland, CA 94607
Board of Directors Regular Meeting (<i>Meets 1st & 3rd Wednesday of each Month</i>)	Wednesday	21	9:45 a.m.	Board Room
Board of Directors Mobile Source Committee (<i>Meets 4th Thursday each Month</i>)	Thursday	22	9:30 a.m.	4 th Floor Conf. Room
Board of Directors Stationary Source Committee (<i>At the Call of the Chair</i>)	Friday	23	9:30 a.m.	Board Room

AUGUST 2010

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Regular Meeting <i>(Meets 1st & 3rd Wednesday of each Month)</i>	Wednesday	4	9:45 a.m.	Board Room
Board of Directors Regular Meeting <i>(Meets 1st & 3rd Wednesday of each Month)</i>	Wednesday	18	9:45 a.m.	Board Room
Board of Directors Mobile Source Committee <i>(Meets 4th Thursday each Month)</i>	Thursday	26	9:30 a.m.	4 th Floor Conf. Room
HL – 6/10/10 (3:45 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: June 23, 2010

Re: Mobile Source Committee Draft Meeting Minutes

RECOMMENDED ACTION:

Approve attached draft minutes of the Mobile Source Committee meeting of May 27, 2010.

DISCUSSION

Attached for your review and approval are the draft minutes of the May 27, 2010 Mobile Source Committee meeting.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared By: Lisa Harper
Reviewed by: Jennifer Chicconi

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, May 27, 2010
9:30 a.m.

CALL TO ORDER: Chairperson Scott Haggerty called the meeting to order at 9:30 a.m.

Roll Call: Scott Haggerty, Chairperson; Vice Chairperson Carole Groom; Directors Jennifer Hosterman, Eric Mar, Nate Miley, Mark Ross and Gayle B. Uilkema

Absent: Directors Tom Bates and Carol Klatt

Public Comments: There were no public comments

Approval of Minutes: Mobile Source Committee Meeting of March 25, 2010

Committee Action: Director Hosterman made a motion to approve the March 25, 2010 Mobile Source Committee minutes; seconded by Director Miley; carried unanimously without objection.

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

Karen Schkolnick, Air Quality Programs Manager, gave the staff presentation and provided a background of the Transportation Fund for Clean Air (TFCA) program, stating that to date, 51 projects have been awarded grants totaling \$7.3 million, and she reviewed estimated emissions reductions. She noted that two TFCA FY 09/10 recommendations are over \$100,000 and include Santa Clara Valley Industries and Pacific Gas & Electric that will reduce over 3 tons per year of criteria pollutants and over 1,000 tons per year of CO₂.

Ms. Schkolnick presented a graph showing funding distribution by county and by percentage, and said staff recommendation is for the Committee to recommend that the Board of Directors approve Transportation Fund for Clean Air Fiscal Year (FY) 2009/2010 projects with proposed grant awards over \$100,000 listed on Attachment 1; and authorize the Executive Officer/APCO to enter into agreements for the recommended TFCA 2009/2010 projects on Attachment 1.

Committee Comments/Questions:

Directors clarified staff recommendations, the public outreach provided to all nine Bay Area counties, and the application process, timeframes, and range of eligibility for funding.

Public Comments: None

Committee Action: Director Uilkema made a motion to recommend 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; Director Miley seconded the motion; carried unanimously without objection.

Consideration of Transportation Fund for Clean Air (TFCA) County Program Manager Expenditure Plans for Fiscal Year (FY) 2010/2011

David Wiley, Supervising Environmental Planner, gave the staff report, a summary and historical background of the TFCA County Program Manager Expenditure Plans for FY 2010/2011. He presented Table 1: Recommended FY 2010/2011 Allocations, which identifies funding by county.

Staff recommended that the Committee request the Board of Directors approve the allocation of FY 2010/2011 TFCA County Program Manager Funds listed on Table 1; and authorize the Executive Officer/APCO to enter into funding agreements with the County Program Managers for the total funds to be programmed in FY 2010/2011, listed on Table 1, consistent with the Board-adopted TFCA Program Manager Fund Policies.

Committee Comments/Questions:

Directors questioned and confirmed that funds not expended are rolled into the next fiscal year, and funding is required to be expended within a 2-year period.

Public Comments: None

Committee Action: Director Groom made a motion that the Committee recommends the Board of Directors' approve the Transportation Fund for Clean Air (TFCA) County Program Manager Expenditure Plans for Fiscal Year 2010/2011; Director Ross seconded the motion; carried unanimously without objection.

Consideration of Proposed Transportation Fund for Clean Air (TFCA) Regional Fund Policies and Evaluation Criteria for Fiscal Year 2010/2011 and Proposed Allocations for Specific Project Types

Karen Schkolnick, Air Quality Programs Manager, gave the staff report and discussed proposed changes to TFCA Regional Fund Policies, as follows:

Under General Policies:

- Further streamlining to align TFCA evaluation criteria with other District incentive programs;
- Reintegration of Bicycle Facility Program into the Regional Fund program to streamline administration and to allow bicycle projects to be funded directly through the Regional Fund;
- Extension of the existing requirement of matching funds for projects greater than \$150,000 to all projects in order to maximize funding distribution.

For Project Category Specific Policies:

- Only policies and funding allocations for Shuttle, Ridesharing and Bicycle projects proposed at this time;
- Other Project Category Specific policies to be proposed later this year.

Ms. Schkolnick described the proposed funding allocation of approximately \$4.6 million, to be considered by the Committee and also the proposed policy changes. She further described how reintegration of the Bicycle Facility Program into the Regional Fund program would

streamline administration and to allow bike projects to be funded directly through the Regional Fund. She said only policies affecting shuttles, regional ride sharing and bikes are being brought forward for funding at this time, and that other project types will be returned to the Committee later this year for consideration.

She described on a chart proposed funding allocations, as follows:

- Shuttle and ridesharing, \$4 million
- Bicycle Lanes and Parking, \$600,000
- Smoking Vehicle, \$1,156,216
- Spare the Air, \$1,050,751
- Other Programs (i.e., alt. fuel vehicle infrastructure advance technology), \$4 million

Ms. Schkolnick requested the Committee recommend the Board of Directors approve Transportation Fund for Clean Air Fiscal Year (FY) 10/11 Regional Fund Policies presented in Attachment A; and approve TFCA Regional Fund project category specific policies and set-asides listed below. Any monies not spent in these categories within 12 months will revert back to the TFCA Regional Fund for re-allocation:

- a. Up to \$4 million for shuttles and rideshare projects, and
- b. Up to \$600,000 for bicycle facility projects

Committee Comments/Questions:

Directors reviewed the chart of proposed funding allocations for the 2010/2011 cycle, discussed the concept of bicycle sharing programs at transit facilities in Portland, Oregon and in Europe, and requested that staff evaluate the potential for funding these programs in the Bay Area.

Public Comments: None

Committee Action: Director Hosterman made a motion to recommend Board of Directors' approval of proposed Transportation Fund for Clean Air (TFCA) Regional Fund policies and evaluation criteria for Fiscal Year 2010/2011 and proposed allocations for specific project types; Director Mar seconded the motion; carried unanimously without objection.

Update on Air District Truck Programs

Anthony Fournier, Supervising Environmental Planner, provided a staff presentation and background on truck funding through the I-Bond Program, TFCA and Carl Moyer Program (CMP) programs. He reviewed the I-Bond program which serves to fund truck replacements and retrofits for Port and non-Port trucks operating in the Bay Area trade corridor.

He reported that \$22 million was initially allocated to address clean up of 1,000 port trucks, and that subsequently an additional \$4.5 million was allocated for another 648 port trucks. Of the second group of 648 trucks, 250 trucks have been completed, and none have been denied funding; however, an Air Resources Board (ARB) deadline has prevented some trucks from entering the Port on 4/30/10. The next deadline for the program is June 30, 2010 which will apply to about 200 trucks for which the ARB granted extension stickers. Those trucks will also not be able to enter the Port of Oakland if not retrofitted/replaced at that time.

Future funding includes \$15 million for non-port trucks in late 2010.

Regarding outreach, Mr. Fournier noted that the District will continue to schedule public workshops, establish vendor partnerships, add trucking associations/trade groups to its mailing lists, and will consider off-site outreach locations, advertising on billboards, websites and trucker Wi-Fi points.

Committee Comments/Questions:

Directors reviewed with staff the number of contracts signed to date, the number of outstanding contracts, confirmed funding was on a reimbursement basis, and that the inability to obtain funding was preventing additional replacements or retrofits with Port trucks.

Directors reviewed 40% reductions in cargo volumes at the port last year, but acknowledged this volume had increased in 2010. They also confirmed that on-road trucks were those trucks with administrative barriers imposed by the ARB.

Directors clarified garbage trucks have been subject to regulation since 2004, discussed alternative fuels, retrofits and compliance deadlines. They also suggested enhanced advertising of the District's efforts in funding retrofits at the Port of Oakland, and confirmed that the ARB is considering focusing on replacements only in the next round of funding.

Public Comments: None

Committee Action: None; Informational only.

Consideration of Proposed Board Resolution in Support of an Application for California Goods Movement Bond Funding

Damian Breen, Director of Strategic Incentives, provided the staff report and background on the Air Districts application for I-Bond Program Years 2 and 3. He discussed the District's I-Bond application and the request for consideration of adoption of a resolution which would allow acceptance of such funding. He noted that the District applied for \$35 million in Year 1 funding, which was spent on truck replacements and retrofits, as well as an APL shore power project.

In April 2010, the ARB notified the District they were combining Year 2 and 3 of the funding cycle. On May 6, 2010 held a public meeting and coordinated efforts with the Port, to get a consensus on an application. As a result, on May 11, 2010, an application was submitted that encompassed \$45 million for on road and Port trucks, \$39.14 million for shore power projects, and \$3.86 million for locomotives. Mr. Breen noted that at its upcoming June 2010 Board meeting, ARB would award the funds, and the proposed Resolution serves to finalize the Air District's.

Staff requested that the Committee recommend the Board of Directors adopt a Resolution in support of the Air District's application for Goods Movement Bond funding.

Committee Comments/Questions: None

Public Comments: None

Committee Action: Director Uilkema made a motion to recommend Board of Directors' approval of a Resolution in support of an application for California Goods Movement Bond Funding; Director Miley seconded the motion; carried unanimously without objection.

Committee Member Comments: None

Next Meeting: 9:30 a.m., Thursday, June 24, 2010
939 Ellis Street, 4th Floor Conference Room

Adjournment: Meeting adjourned at 10:32 a.m.

Lisa Harper
Clerk of the Boards

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: June 16, 2010

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

RECOMMENDATIONS:

Recommend Board of Directors:

1. Approve Carl Moyer Program Year 12 and Transportation Fund for Clean Air (TFCA) FY 2009/2010 projects with proposed grant awards over \$100,000.
2. Authorize the Executive Officer/APCO to enter into agreements for the recommended Carl Moyer Program Year 12 and Transportation Fund for Clean Air (TFCA) FY 2009/2010 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 June 11, 2010, the Air District had received 6 project applications. Of the applications that have been evaluated between May 3, 2010, and June 11, 2010, one eligible project has a proposed individual grant award over \$100,000. This project (Project #: 12MOY8), was proposed by Evergreen Supply in Santa Clara County and will replace one 1987 model year off-road, wheel loader with a cleaner, 2007 model year wheel loader. The project will result in the reduction of 1.86 tons of NO_x, ROG and PM per year from its operations in San Jose. Staff recommends allocating \$201,620 to this project from a combination of CMP funds and MSIF revenues.

Attachment 1 lists all of the eligible projects that have been received by the Air District as of June 11, 2010, and summarizes the allocation of funding by equipment category (Figure 1), and county (Figure 2).

TFCA:

The Air District started accepting applications for TFCA FY 09/10 projects on July 21, 2009. For FY 09/10, the Air District has approximately \$11.6 million available for eligible Shuttle and Ridesharing, Bicycle, Alternative Fuel Vehicle and Infrastructure, and Advanced Technology Demonstration projects. Project applications are being accepted and evaluated on a first-come, first-served basis.

As of June 14, 2010, the Air District had received more than 78 project applications for TFCA Regional Fund funding. Of the applications that have been evaluated between May 12, 2010 and June 14, 2010, one eligible project has a proposed individual grant award over \$100,000. This

project (Project #: 09R50) was proposed by Better Place and will demonstrate the first electric vehicle “battery-swap station” to be constructed in California. This project will also support the installation of electric vehicle fast-charging infrastructure and a fleet of 10 battery-swap ready electric taxi vehicles. The project will result in the reduction of more than 0.14 tons of NOx, ROG and PM per year from its operations based in southeastern San Francisco. Staff recommends allocating \$470,000 to this advanced technology demonstration project from TFCA Regional Fund revenues, as described in Attachment 2. Attachment 2 also summarizes the allocation of funding by equipment category (Figure 3), and county (Figure 4).

Attachment 3 lists all the FY 09/10 TFCA Regional Fund projects that have been awarded funding as of May 12, 2010.

More than 36% of the TFCA funds allocated to eligible projects have been awarded to projects that reduce surplus emissions in highly impacted Bay Area communities.

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: Karen Schkolnick and Anthony Fournier
Reviewed by: Damian Breen

Attachment 1: Summary of all eligible CMP projects as of 6/11/10

Attachment 2: Recommended FY 09/10 TFCA Regional Fund projects with individual grant awards greater than \$100,000 as of 6/14/10

Attachment 3: Summary of FY 09/10 TFCA Regional Fund approved projects as of 6/14/10

Attachment 1

Table 1: Summary of all CMP Yr 12/ MSIF approved projects (5/3/10 to 6/11/10)

Project #	Equipment category	# of engines	Proposed contract award	Applicant name	NOx (TPY)	ROG (TPY)	PM (TPY)	Board approval date	County
12MOY2	Agriculture	3	\$ 57,831.00	Nichelini Vineyards, LLC	0.648	0.078	0.021	APCO	Napa
12MOY8	Off-road	1	\$ 201,620.00	Evergreen Supply	1.556	0.185	0.075	7/7/2010	Santa Clara
12MOY11	Off-road	2	\$ 43,833.00	Domenico J. Carinalli, Jr. (Farmer)	0.141	0.047	0.015	APCO	Sonoma
3 Projects		6	\$ 303,284.00		2.345	0.310	0.111		

Figure 1: CMP/ MSIF Funding Distribution by Equipment Category as of 6/11/10

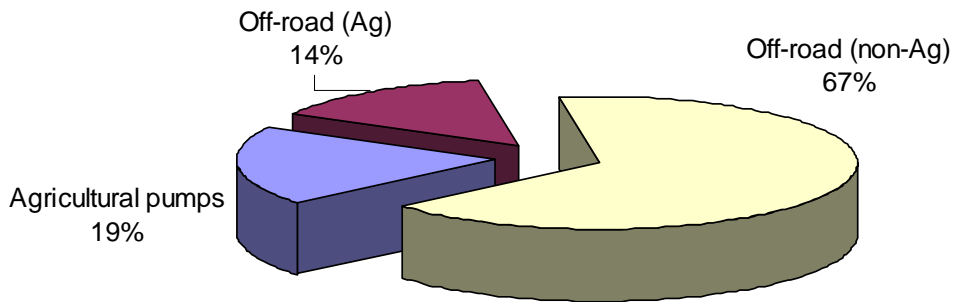
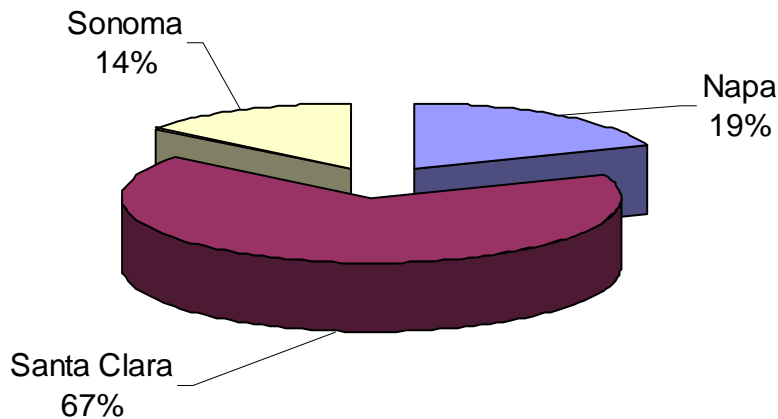


Figure 2: CMP/ MSIF Funding Distribution by County as of 6/11/10



ATTACHMENT 2: Recommended FY 09/10 TFCA Regional Fund Projects with Grant Awards Greater Than \$100,000 (as of 6/14/10)

Project #	Project Sponsor	Project Title and Type	TFCA \$ Awarded	CO2 (TPY)	NOX (TPY)	ROG (TPY)	PM (TPY)	C/E	Score	AB 130 Designation	County
09R50	Better Place	Zero Emission Electric Taxi Project	\$ 470,000	1,179.21	0.05	0.07	0.01	\$378,632 *	70%	AB1390	San Francisco

Figure 3: FY 09/10 TFCA Funds Awarded - By County **

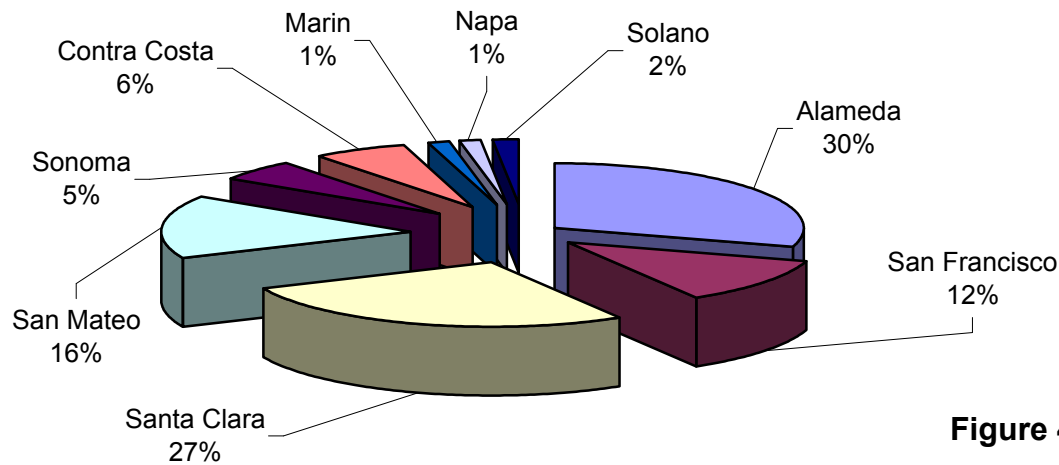
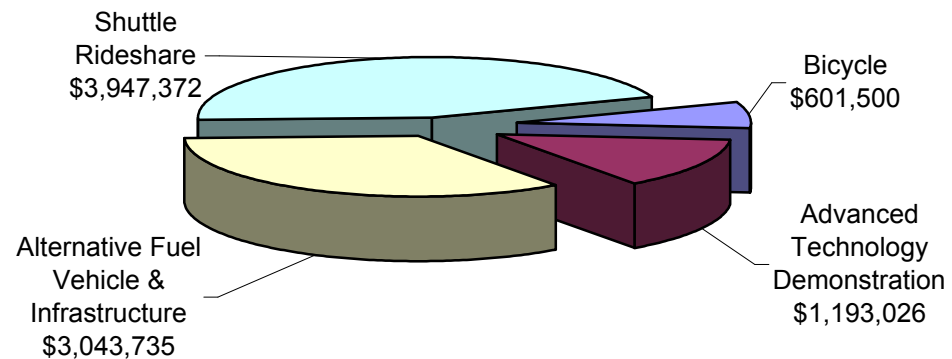


Figure 4: FY 09/10 TFCA Funds Awarded - By Project Type **



* Advanced Technology Demonstration projects have a cost-effectiveness threshold of \$500,000/ton of criteria pollutants reduced

** Includes all projects listed in Attachments 2 and 3

ATTACHMENT 3: Summary of FY 09/10 TFCA Approved Projects (as of 6/14/10)

Project #	Project Sponsor	Project Title	TFCA \$ Awarded	CO2 (TPY)	NOX (TPY)	ROG (TPY)	PM (TPY)	Score %	Board Approval Date	County	Project Type
09R15	Clean Energy	Liquefied Natural Gas Station	\$ 200,000	28.40	0.30	0.02	-	69%	2/3/10	Alameda	Alt Fuel
09R16	County of Santa Clara	Compressed Natural Gas Station & (3) CNG Sedans	\$ 204,105	36.15	0.29	0.03	-	67%	2/3/10	Santa Clara	Alt Fuel
09R17	Santa Clara Valley Industries	(11) Compressed Natural Gas Refuse Trucks	\$ 275,000	46.22	2.20	-	-	71%	6/2/10	Santa Clara	Alt Fuel
09R18	County of Santa Clara	(1) Compressed Natural Gas Security Transfer Bus	\$ 36,000	20.69	0.08	-	-	77%	APCO	Santa Clara	Alt Fuel
09R19	Livermore Sanitation	(3) Compressed Natural Gas Refuse Trucks	\$ 73,497	20.50	0.23	-	-	74%	APCO	Alameda	Alt Fuel
09R20	Mission Trail Waste Systems	(23) Compressed Natural Gas Refuse Trucks	\$ 426,503	171.05	3.84	1.92	-	75%	2/3/10	Santa Clara	Alt Fuel
09R21	Oakland Port Services Corp., dba AB Trucking	(6) Natural Gas Port Trucks	\$ 297,000	97.95	1.10	-	-	71%	2/3/10	Alameda	Alt Fuel
09R22	Sonoma County Transit	(2) Compressed Natural Gas Transit Buses	\$ 80,000	62.57	0.58	-	-	81%	APCO	Sonoma	Alt Fuel
09R23	South SF Scavenger., INC	(4) Compressed Natural Gas Refuse Trucks	\$ 80,000	24.87	0.28	-	-	76%	APCO	San Mateo	Alt Fuel
09R24	UC Davis Fleet	(1) Compressed Natural Gas Bus	\$ 41,350	10.93	0.09	-	-	61%	APCO	ALA, CC, SOL	Alt Fuel
09R25	WM of Alameda County, Inc.	(31) Compressed Natural Gas Refuse Trucks	\$ 500,000	683.35	8.40	-	-	91%	2/3/10	Alameda	Alt Fuel
09R26	Yellow Cab/Clean Energy Finance	(25) Compressed Natural Gas Taxis	\$ 75,000	-	0.11	0.19	-	82%	APCO	San Francisco	Alt Fuel
09R27	Breathe California for Silicon Valley Clean Cities	US Department of Energy - Clean Cities Coalition Outreach (SV)	\$ 25,000	9.72	0.04	0.02	-	72%	APCO	9 County	Alt Fuel
09R28	East Bay Clean Cities Coalition	US Department of Energy - Clean Cities Coalition Outreach (EB)	\$ 25,000	9.72	0.04	0.02	-	72%	APCO	9 County	Alt Fuel
09R29	SF Environment	US Department of Energy - Clean Cities Coalition Outreach (SF)	\$ 25,000	18.93	0.13	0.02	-	72%	APCO	9 County	Alt Fuel
09R30	Better Place	(30) Electric Vehicle Charge Points	\$ 30,000	101.31	0.00	0.00	0.00	77%	APCO	Santa Clara	Alt Fuel
09R31	City of Palo Alto	(6) Electric Vehicle Charge Points	\$ 12,000	20.26	0.00	0.00	0.00	68%	APCO	Santa Clara	Alt Fuel
09R32	City & County of San Francisco	(60) Electric Vehicle Public Garage Charge Points	\$ 100,000	202.62	0.03	0.04	0.01	84%	APCO	San Francisco	Alt Fuel
09R33	City of Santa Rosa	(14) Plug-in Hybrid Electric Vehicle conversions & (20) Electric Vehicle Charge Points	\$ 45,811	10.54	0.00	0.00	0.00	71%	APCO	Sonoma	Alt Fuel
09R35	County of Santa Clara	(40) Electric Vehicle Charge Points	\$ 85,720	135.08	0.02	0.03	0.00	75%	APCO	Santa Clara	Alt Fuel
09R36	County of Sonoma	(30) Plug-in Hybrid Electric Vehicle Conversions & Electric Vehicle Charge Points	\$ 81,173	35.89	0.00	0.00	0.00	69%	APCO	Sonoma	Alt Fuel
09R37	County of Alameda	(15) Hybrid Vehicles & (4) NEV	\$ 43,816	2.29	0.01	0.02	0.00	66%	APCO	Alameda	Alt Fuel
09R39	County of Alameda	(40) Electric Vehicle Charge Points	\$ 84,760	135.07	0.02	0.03	0.00	72%	APCO	Alameda	Alt Fuel

ATTACHMENT 3: Summary of FY 09/10 TFCA Approved Projects (as of 6/14/10)

Project #	Project Sponsor	Project Title	TFCA \$ Awarded	CO2 (TPY)	NOX (TPY)	ROG (TPY)	PM (TPY)	Score %	Board Approval Date	County	Project Type
09R40	Friendly Cab	(20) Ford Escape Hybrids	\$ 80,000	220.66	0.04	0.06	0.01	81%	APCO	Alameda	Alt Fuel
09R41	City of Palo Alto	(1) Medium Duty Vehicle	\$ 16,000	-	0.00	0.00	0.00	60%	APCO	San Mateo	Alt Fuel
09R42	City of Palo Alto	(1) Heavy Duty Vehicle Purchase	\$ 77,000	4.40	0.12	0.00	-	60%	APCO	San Mateo	Alt Fuel
09R43	East Bay Regional Parks	(3) Medium Duty Vehicle Purchase	\$ 24,000	-	0.00	-	0.00	68%	APCO	San Mateo	Alt Fuel
09R44	Pacific Gas & Electric	(46) E-PTO Hybrid Utility Trucks Demonstration	\$ 403,803	1,011.88	0.84	0.02	0.01	76%	6/2/10	Contra Costa	ATD
09R45	Devine Intermodal	(1) Heavy Duty Vehicle Purchase - Hydrogen	\$ 96,723	146.68	0.19	0.01	0.00	71%	APCO	Alameda	ATD
09R47	UC Berkeley Transportation - Sustainability Research Center	High-Pressure Hydrogen Fueling Facility and Fuel Cell-Vehicle Demonstration	\$ 99,900	267.03	0.01	0.01	0.00	79%	APCO	Alameda	ATD
09R48	OptaMotive Systems, LLC	OptaMotive EV Systems Demonstration	\$ 95,000	192.26	0.01	0.01	0.00	63%	APCO	Santa Clara	ATD
09R49	City CarShare	New Plug In 10kwh conversion	\$ 27,600	110.55	0.00	0.00	0.00	71%	APCO	San Francisco	ATD
09BFP01	City of Oakland	Class II and III Bikeways on E.12th Street	\$ 10,500	n/a	n/a	n/a	n/a	n/a	APCO	Alameda	Bike
09BFP02	City of Oakland	Class II and III Bikeways on 14th Street, MacArthur Boulevard, and Fruitvale Avenue	\$ 57,000	n/a	n/a	n/a	n/a	n/a	APCO	Alameda	Bike
09BFP03	City of Daly City	Southgate Avenue Class II Bicycle Lane Gap Closure	\$ 25,500	n/a	n/a	n/a	n/a	n/a	APCO	San Mateo	Bike
09BFP04	City of Petaluma	Class III Bicycle Routes in Petaluma	\$ 103,311	n/a	n/a	n/a	n/a	n/a	APCO	Sonoma	Bike
09BFP05	City of San Carlos	Class III Bicycle Route on Old County Road	\$ 18,150	n/a	n/a	n/a	n/a	n/a	APCO	San Mateo	Bike
09BFP06	City of San Jose	San Jose Citywide Bicycle Racks Installation	\$ 14,880	n/a	n/a	n/a	n/a	n/a	APCO	Santa Clara	Bike
09BFP10	City of Santa Rosa Department of Public Works	Class II Bicycle Lane on Coffey Lane	\$ 23,100	n/a	n/a	n/a	n/a	n/a	APCO	Sonoma	Bike
09BFP12	San Francisco Municipal Transportation Agency	San Francisco Citywide Bicycle Racks Installation	\$ 84,000	n/a	n/a	n/a	n/a	n/a	APCO	San Francisco	Bike
09BFP13	San Francisco Municipal Transportation Agency	Class II Bicycle Lane on John Muir Drive	\$ 66,900	n/a	n/a	n/a	n/a	n/a	APCO	San Francisco	Bike
09BFP15	San Francisco Municipal Transportation Agency	Class II Bicycle Lane on Great Highway/Point Lobos Avenue	\$ 15,300	n/a	n/a	n/a	n/a	n/a	APCO	San Francisco	Bike
09BFP16	Alameda County Public Works Agency	Class II Bicycle Lane on Greenville Road	\$ 30,000	n/a	n/a	n/a	n/a	n/a	APCO	Alameda	Bike
09BFP17	Alameda County Public Works Agency	Class II Bicycle Lane on Marina Avenue	\$ 85,000	n/a	n/a	n/a	n/a	n/a	APCO	Alameda	Bike
09BFP18	Alameda County Public Works Agency	Class II Bicycle Lane on Foothill Boulevard	\$ 67,859	n/a	n/a	n/a	n/a	n/a	APCO	Alameda	Bike
09R05	Santa Clara Valley Transportation Authority	ACE Shuttle Bus Program	\$ 960,000	7,242.80	6.09	5.32	3.68	79%	2/3/10	Santa Clara	S-RS

ATTACHMENT 3: Summary of FY 09/10 TFCA Approved Projects (as of 6/14/10)

Project #	Project Sponsor	Project Title	TFCA \$ Awarded	CO2 (TPY)	NOX (TPY)	ROG (TPY)	PM (TPY)	Score %	Board Approval Date	County	Project Type
09R06	San Joaquin Regional Rail Commission	ACE Shuttle - Route 54	\$ 50,000	950.10	0.71	0.75	0.51	77%	2/3/10	Alameda	S-RS
09R07	San Joaquin Regional Rail Commission	ACE Shuttle - Route 53	\$ 44,000	318.00	0.31	0.27	0.18	65%	2/3/10	Alameda	S-RS
09R08	Metropolitan Transportation Commission	511 Rideshare Program	\$ 1,050,000	29,410.00	24.75	22.29	14.88	84%	2/3/10	9 County	S-RS
09R09	Livermore Amador Valley Transit Authority	Route 1A/B BART Shuttle	\$ 59,750	143.80	0.23	0.24	0.11	60%	2/3/10	Alameda	S-RS
09R10	Associated Students, San Jose State University	SJSU Ridesharing and Trip Reduction	\$ 120,000	1,213.70	1.07	1.02	0.62	79%	2/3/10	Santa Clara	S-RS
09R11	Peninsula Corridor Joint Powers Board	Caltrain Shuttle	\$ 1,000,000	5,811.30	4.62	4.90	3.04	76%	2/3/10	San Mateo	S-RS
09R12	City of Redwood City	Redwood City Commuter Shuttle	\$ 15,000	142.00	0.11	0.10	0.07	93%	2/3/10	San Mateo	S-RS
09R13	San Francisco General Hospital	SFGH Pilot Shuttle	\$ 50,122	416.80	0.44	0.41	0.24	94%	2/3/10	San Francisco	S-RS
09R14	City of Oakland	Oakland Waterfront - Uptown Pilot Shuttle	\$ 498,500	1,980.40	1.80	1.75	1.01	85%	2/3/10	Alameda	S-RS
09R46	City of Berkeley	Berkeley Transit Action Plan	\$ 100,000	1,681.60	1.20	1.15	0.85	79%	APCO	Alameda	S-RS

Total \$ 8,315,633 53,148.06 60.34 40.65 25.23

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: June 14, 2010

Re: Update on the Strategic Incentives Division Database System

RECOMMENDED ACTION:

None. Informational item, receive and file.

BACKGROUND

In 2007, the Air District's Carl Moyer Program (CMP) and Lower Emission School Bus Program were audited by the California Air Resources Board (ARB), and the California Department of Finance (DOF). In response to the findings of these audits, the Air District implemented proactive measures to enhance the performance and accountability of its grant program processes.

On July 25, 2007, the Board of Directors allocated \$900,000 from the Air District's general reserves to solicit bids and execute agreements to assist staff in carrying out the functions of the CMP and a remediation plan required by ARB. A portion of this funding, approximately \$389,000, was spent to develop an online application tool/production system (System) for the grants programs to address ARB and DOF concerns about recordkeeping and program accessibility. In this report, staff will update the Committee on the status of the System and describe its functionality.

DISCUSSION

As previously stated, in order to address ARB and DOF concerns, a new System was developed via a collaborative effort between Viaspire and the Trinity Technology Group (Consultants), and Air District staff in the Strategic Incentives and Information Systems Services Divisions. Via this collaboration, grant processes were analyzed, updated, improved, and consolidated into a new database that allows program applicants to submit materials online. Prior to the launch of the new System, the project team also solicited input from applicants and other external stakeholders, and incorporated their feedback into the design of the System.

The objectives of the System are to simplify the application process, and to automate many of the Air District’s administrative grant processes. The System reduces the time staff had previously spent entering application data from paper forms into electronic databases, and serves as a central storage point for all CMP project data. The System also allows staff to automate its emissions calculation processes in order to increase efficiency, improve accuracy, and reduce the paper documentation previously generated.

The development of the System began in late 2007, and was finished in time for the recent CMP Year 12 project solicitation period which started on May 3, 2010. Initially the System will only accept applications for the CMP. However, once the System has been sufficiently tested and refined, staff will evaluate the potential for expanding its scope to include other Air District grant programs. Table 1 summarizes some of the System’s benefits to applicants, and Air District staff:

Table 1: Overview of CMP System features

Allows applicants to:	Allows Air District staff to:
Create an account for their organization	Manage projects without paper files
Authorize a third party access, and assist with their application	Calculate project cost-effectiveness
Attach the necessary supporting application documents	Generate inspection forms and contract documents
Sign and submit the proposal online	Track project and payment information

BUDGET CONSIDERATION / FINANCIAL IMPACT:

None. Funding for the System was encumbered from the Fiscal Year 2007/ 2008 budget.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/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: June 16, 2010

Re: Request to Approve Allocation of Up to \$5 Million in Transportation Fund for
Clean Air (TFCA) Funds for Electric Vehicle (EV) Charging Infrastructure

RECOMMENDED ACTION:

Recommend Board of Directors:

- Approve an allocation of up to \$5 million in Transportation Fund for Clean Air (TFCA) funds, including \$2.5 million from FY 10/11 and \$2.5 million from FY 11/12, to support a regional electric vehicle (EV) charging infrastructure deployment program.

BACKGROUND

In the Bay Area, the transportation sector accounts for more than 50% of criteria pollutants (ROG, NO_x, and PM), and more than 40% of greenhouse gas (GHG) emissions. Within the transportation sector, more than 50% of ROG, NO_x, and PM, and approximately 70% of GHG emissions are generated by on-road vehicles. Therefore, significant emission reductions from the on-road transportation sector are key to helping the Bay Area to attain State and Federal ambient air quality standards. Based on recent technological advances in EV technology, zero- and partial zero-emission vehicles are a promising solution to meeting local, State and Federal criteria and GHG emission reduction targets.

As part of this report, staff will present an overview of on-road EV technologies and their development, current regional efforts to support the deployment of these technologies, and a recommendation for a \$5 million allocation over a two-year period to support large-scale EV deployment in the Bay Area.

DISCUSSION

During the past two years, Bay Area Air Quality Management District (Air District) staff has collaborated with partner stakeholders to discuss and support the rapid introduction of EVs in the Bay Area. Stakeholders include local clean cities coalitions, government agencies and industry representatives. Through these discussions the Air District has identified a number of barriers that may potentially hinder mass public adoption of EVs. These issues include:

- High incremental costs associated with EVs and charging infrastructure;
- “Range anxiety” concerns due to lack of public charging infrastructure; and
- Non-standardized and slow local permitting process for home and public charging.

In order to address these issues, staff is proposing a two-phased program that maximizes our current partnerships and leverages Air District incentive funding in order to support region-wide EV-deployment. A description of each phase is as follows:

Phase #1 – Bay Area-wide EV Charging Incentive Program

This phase of the program would leverage up to \$5 million in TFCA funds (up to \$2.5 million from FY 10/11 and up to \$2.5 million from FY 11/12), to support EV charging infrastructure deployment throughout the Bay Area. Additionally, this deployment would target funding for locations in designated Priority Development Areas with the following infrastructure installation goals for the year 2015:

- 3,000 home chargers at single family and multi-family dwellings
- 2,000 public level 2 chargers at employer and high-density parking areas
- 50 “Fast Chargers”/Level 3 stations at approximately 30-mile intervals within close proximity to major roadways

TFCA funding for this program will maintain a cost-effectiveness of \$90,000/ton of criteria pollutants reduced and will achieve a reduction of an estimated 64 tons of criteria pollutants and 34,249 tons of GHG’s annually. However, should additional funding from other sources discussed below not be secured, the scale of this initiative would be reduced to half of the current scope.

In order accomplish the goals of this program, additional funding will be aggressively pursued by the Air District. Potential funding sources include the private sector, foundations, and other public agencies including the Department of Energy (DOE), California Energy Commission (CEC) and Metropolitan Transportation Commission (MTC). Funding for public Level II and Fast Chargers would be distributed via grants through the Air District’s TFCA Regional Fund program with funding for home charges distributed in the form of a voucher or rebate. Eligible entities for public Level II and Fast Chargers funding include Bay Area cities, counties, other public agencies, private fleet operators (taxis, shuttles, car sharing), businesses and local employers.

Phase #2 - Streamlined EV charging permitting process for home and public infrastructure

Staff proposes to engage key leaders and stakeholders within the Bay Area through a coordinated workshop process over the next 6 months in order to identify best practices that will inform the development of a streamlined EV charging permitting process.

By facilitating development of a streamlined permitting process, reducing the incremental cost of EVs and easing concerns regarding range; the Air District will help to eliminate barriers to mass deployment of EVs. In addition, the program will also provide local economic benefits by creating local "green" jobs associated with manufacturing, installation, and operation of EV charging infrastructure and vehicles.

BUDGET CONSIDERATION / FINANCIAL IMPACT:

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

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: Karen M. Schkolnick
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: June 14, 2010

Re: Request to Approve Contract for TFCA Program Review in the Amount of \$200,000

RECOMMENDED ACTION:

Recommend Board of Directors:

- Authorize the Executive Officer/APCO enter into a contract with Armanino McKenna, LLP, for an amount not to exceed \$200,000 to provide a review and modernization of the TFCA Regional Fund Program.

BACKGROUND

The Transportation Fund for Clean Air (TFCA) is a grant program funded by a \$4 surcharge on motor vehicles registered within the jurisdiction of the Bay Area Air Quality Management District (Air District). This generates approximately \$22 million per year in revenue, 60% of which is utilized by the Air District via its TFCA Regional Fund Program to provide grants to implement cost-effective projects in the Bay Area that will decrease motor vehicle emissions.

Since 1992, the TFCA program has processed approximately 900 TFCA Regional Fund grants for various businesses, governments, and agencies. In order to ensure that these projects meet the current standards for grant record keeping and accounting, a review and modernization of each of the approximately 700 TFCA Regional Fund grants funded during years 1992 through 2007 is necessary. This review and modernization process will reflect new standards that have been applied to all current grant programs (including current TFCA program grants) since 2008. Additionally, these new standards reflect suggested grant process improvements identified by the California Bureau of State Audits - 2006 audit and the California Air Resources Board - 2007 and 2008 audits of the Air District's Carl Moyer and Lower Emission School Bus grant programs.

The Air District issued an RFP for a contractor in December 2009. In this report, staff will present the results of the RFP process and a recommendation for Board action.

DISCUSSION

A Request for Proposal (RFP) was released on December 3, 2009 with responses due on December 23, 2009. Three responses were received from the following consultancy firms: CH2MHill, Inc., Armanino McKenna, LLP, and Clean Fuel Connections.

Evaluation

The Air District evaluated the proposals submitted based on the following criteria:

Technical Expertise: The size and structure of the firm and their ability to finish the review and modernization in a timely and professional manner.

Past Experience: The past experience the firm and its staff has reviewing and organizing governmental records projects of similar size and scope.

Responsiveness to Proposal: The responsiveness of the proposal by clearly stating an understanding of the work to be performed, as well as overall experience and accomplishments of the consultant team and project management staff.

Cost Proposal: Costs were evaluated for adequacy in relation to the outlined scope of the project.

Green Operating Practices and Local Businesses: The District gives preference to local businesses engaged in green business practices. Proposals were evaluated to determine the extent of bidder's commitment to environmentally sound operational practices.

The scoring and total points for each of the RFP's criteria is contained in the following table:

Table 1 - RFP Evaluation Criteria Scores for the TFCA Review Project

Evaluative Criteria	Armanino Mckenna	CH2MHill	Clean Fuel Connections
Technical Expertise (30 points)	26.25	21	20.5
Past Experience (20 points)	16.5	17.5	18
Responsiveness to Proposal (20 points)	16.5	14	14.5
Cost Proposal (20 points)	13.5	14.5	7
Green Operating Practices/ Local Businesses (10 points)	9.25	4.5	6.75
Total Points (100 points)	82	71.5	66.75

Based on their score and adherence to the evaluation criteria, staff is recommending Armanino McKenna, LLP for a contract not to exceed \$200,000 to review and modernize the TFCA Regional Fund Program.

BUDGET CONSIDERATION/FINANCIAL IMPACT:

Funding was approved in the amount of \$200,000 by the Board of Directors on September 16, 2009, and the current budget was amended to include the funds.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: Matt Serier
Reviewed by: Jack M. Colbourn