



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
DAVE HUDSON
NATE MILEY
BRAD WAGENKNECHT

THURSDAY
MARCH 24, 2011
9:30 A.M.

4TH 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 JANUARY 27, 2011**

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 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. **VEHICLE BUYBACK PROGRAM ANNUAL REPORT**

D. Breen/5041

dbreen@baaqmd.gov

The Committee will receive an informational report on the results of the vehicle buyback program for calendar year 2010.

6. **STATUS OF FUNDING IN AIR DISTRICT GRANT PROGRAMS**

D. Breen/5041

dbreen@baaqmd.gov

The Committee will receive an informational report on funds available in Air District grant programs and proposed priorities for calendar year 2011.

7. **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, April 28, 2011; 939 Ellis Street, San Francisco, CA 94109

9. **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**

MARCH 2011

<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	16	9:45 a.m.	Board Room
Joint Policy Committee	Friday	18	10:00 a.m.	Metro Center Auditorium 101 Eighth Street Oakland, CA 94612
Board of Directors Budget & Finance Committee <i>(At the Call of the Chair)</i>	Wednesday	23	1:00 p.m.	4 th Floor Conf. Room
Board of Directors Mobile Source Committee <i>(Meets 4th Thursday each Month)</i>	Thursday	24	9:30 a.m.	4 th Floor Conf. Room
Board of Directors Personnel Committee <i>(At the Call of the Chair)</i>	Monday	28	1:00 p.m.	4 th Floor Conf. Room

APRIL 2011

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Public Outreach Committee <i>(At the Call of the Chair)</i>	Monday	4	9:30 a.m.	4 th Floor Conf. Room
Board of Directors Legislative Committee <i>(At the Call of the Chair)</i>	Monday	4	Immediately Following Public Outreach	4 th Floor Conf. Room
Board of Directors Regular Meeting <i>(Meets 1st & 3rd Wednesday of each Month)</i>	Wednesday	6	9:45 a.m.	Board Room
Board of Directors Executive Committee <i>(At the Call of the Chair)</i>	Monday	11	9:30 a.m.	4 th Floor Conf. Room
Advisory Council Meeting	Wednesday	13	9:00 a.m.	Board Room
Board of Directors Regular Meeting <i>(Meets 1st & 3rd Wednesday of each Month)</i>	Wednesday	20	9:45 a.m.	Board Room
Board of Directors Mobile Source Committee <i>(Meets 4th Thursday each Month)</i>	Thursday	28	9:30 a.m.	4 th Floor Conf. Room
Board of Directors Budget & Finance Committee <i>(At the Call of the Chair)</i>	Thursday	28	Immediately Following Mobile Source	4 th Floor Conf. Room

MAY 2011

<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 Budget & Finance Committee <i>(At the Call of the Chair)</i>	Wednesday	25	1:00 p.m.	4 th Floor Conf. 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 – 3/15/11 (11:05 a.m.)

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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: March 15, 2011

Re: Mobile Source Committee Draft Meeting Minutes

RECOMMENDED ACTION:

Approve attached draft minutes of the Mobile Source Committee meeting of January 27, 2011.

DISCUSSION

Attached for your review and approval are the draft minutes of the January 27, 2011 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, January 27, 2011
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; Directors Jennifer Hosterman, David E. Hudson, Carol Klatt, Nate Miley, Mark Ross and Gayle B. Uilkema; Tom Bates, Board Chairperson

Absent: Vice Chairperson Carole Groom; Directors Brad Wagenknecht and Shirlee Zane

Public Comments: There were no public comments.

3. Approval of Minutes: Mobile Source Committee Meeting of November 18, 2010

Committee Action: Director Klatt made a motion to approve the November 18, 2010 Mobile Source Committee minutes; seconded by Director Ross, carried unanimously without objection.

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

Anthony Fournier, Grants Manager gave the staff presentation and provided background on this item 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 continued with the following:

- On 3/17/10 District Board of Directors:
 - Approved participation in CMP Year 12
 - Authorized Executive Officer/APCO to execute contracts and amendments with grant awards up to \$100,000

- CMP Year 12 Project Recommendation (over \$100k)
 - 5 Projects to replace:
 - Three pieces of off-road equipment
 - Four marine engines
 - \$782,727 in total awards
 - Emission reductions: Over 7.87 Tons Per Year (TPY) of criteria pollutants

Mr. Fournier continued with the presentation showing all projects that will receive CMP funding as of January 7, 2011 by equipment category and by county.

Staff recommended that the Committee request the Board of Directors approve the five Carl Moyer Program projects with proposed grant awards over \$100,000; and authorize the Executive Officer/APCO to enter into agreements for the recommended Carl Moyer projects.

Committee Comments/Questions:

Chairperson Haggerty asked about workshops held in the Tri-Valley area and if they were well attended. Mr. Breen agreed to follow up with the Committee to provide a definitive response. In addition, Chairperson Haggerty requested an update of participation at the workshops in all nine counties.

Director Ross asked about outreach efforts and Mr. Breen responded that outreach is an ongoing effort. The focus of the program this year is to continue with agriculture equipment and marine vessels, and then shift to on-road trucking.

Public Comments: None.

Committee Action: Director Ross made a motion to recommend Board of Directors' approval of Carl Moyer projects with proposed grant awards over \$100,000; and authorize the Executive Officer/APCO to enter into agreements for the recommended Carl Moyer projects; Director Klatt seconded the motion, carried unanimously without objection.

5. Consideration of \$5 Million in Mobile Source Incentive Funds (MSIF) Funding for Shore-Power Projects

Damian Breen, Director of Strategic Incentives, gave the staff presentation and Mr. Breen provided background of this item which included:

- Mobile Source Incentive Fund (MSIF)
 - AB 923 allowed for additional \$2 motor vehicle registration fee surcharge (12/04)
 - CMP projects eligible for MSIF funding
 - On 6/16/10, District Board of Directors reserved up to \$5 million in MSIF funding in support of shore-power projects at Bay Area ports

Staff contacted Bay Area terminals, ports and ship owners, to notify them of the solicitation that the District opened on October 27, 2010, and closed on November 19, 2010.

Although there was a lot of interest, the only application received was from the Port of Oakland. The Port of Oakland's application included:

- 3 berths
- \$18 million total cost
- Among the busiest terminals

Mr. Breen continued stating the emissions reductions are substantial: approximately one-half ton of diesel particulate annually and approximately five tons in project life emission reductions.

Mr. Breen continued with the presentation stating that the cost effectiveness of the projects range from \$12,000 to \$16,000 per ton of emissions reduced.

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

Committee Comments/Questions:

Director Hosterman asked about the remaining sources of funds. Mr. Breen stated that the port will use a combination of four funds, including a grant from the federal government. Director Hosterman asked about the timeline for retrofitting the three berths. Mr. Breen responded retrofitting will begin Summer 2012.

Public Comments:

Richard Sinkoff, Director of Environmental Programs and Planning, Port of Oakland, thanked the District for working with the Port. Mr. Sinkoff indicated that the Port of Oakland applied for and was awarded a TIGER grant in the amount of \$8 million.

The Committee thanked Mr. Sinkoff for providing additional details.

Committee Action: Director Miley made a motion to recommend Board of Directors' approval of 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; Director Hosterman seconded the motion, carried unanimously without objection.

6. Consideration of Air District Participation in Year 13 of the Carl Moyer Program

Anthony Fournier, Grants Manager gave the staff report, and provided the Committee with the following:

- CARB allocation
 - \$58.6 million statewide
 - Up to \$10.6 million for the Bay Area
 - 5% allocation for administrative costs
- Proposed \$5 million MSIF allocation
 - \$1.7 million required District match
 - \$3.3 million for additional CMP projects
- 2008 CARB CMP Guidelines
- Impacted Communities
 - Priority given to projects reducing emissions in highly impacted communities
 - At least 50% of funds for projects in most impacted areas

- Projects over \$100k brought to the Board for approval
- Schedule
 - First-come, first served process
 - Call for project applications ~ April/ May 2011
 - Funds must be obligated by June 2012, and invoices paid by June 2013

Staff recommended that the Committee request the Board of Directors' 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); and allocate \$5 million in Mobile Source Incentive Funding for projects eligible for funding under the Carl Moyer Program.

Committee Comments/Questions:

Director Hosterman asked if the allocation was a fair amount for the Bay Area. Mr. Breen replied stating the dollar amount requested on an annual basis is for an amount based on the population, which is roughly 20% for the state of California.

Public Comments: None.

Committee Action: Director Hudson made a motion to recommend the Board of Directors' 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); and allocate \$5 million in Mobile Source Incentive Funding for projects eligible for funding under the Carl Moyer Program; Director Hosterman seconded the motion, carried unanimously without objection.

7. Consideration of Contract Award(s) for the Transportation Fund for Clean Air (TFCA) Electric Vehicle Supply Equipment (EVSE) Deployment Program

Damian Breen, Director of Strategic Incentives, informed the Committee that this item represents the first phase of the electric vehicle infrastructure deployment program. Mr. Breen introduced Karen Schkolnick, Air Quality Program Manager who provided the staff presentation.

Ms. Schkolnick provided the following background:

- August 4, 2010, Air District's Board of Directors allocated \$5 million to support electric vehicle (EV) infrastructure projects
- December 9, 2010, Air District issued a Request for Proposals (RFP) seeking contractors to implement three (3) program components:
 - EVSE Home Chargers
 - DC Fast Charger Deployment
 - Program Coordination
- Responses to the RFP were due January 5, 2011

The Home Charger Program RPF requirements include:

- Deploy up to 3,000 Level 2 residential chargers by December 30, 2012
- Residents provided a rebate, or discount, of at least \$700

- Multiple contractors allow residents to choose broader range of EVs and charger technologies at varying price points
- Contractors to collect and report usage data through GPS, electronic or surveys

Based on the results of the RFP, staff recommended awards to the four top scoring applicants.

- ECOtality
- Coulomb Technology
- AeroVironment
- Clipper Creek

This recommendation maximizes Bay Area residents options, by allowing them to select among various contractors that provide different charger technologies at various price points.

Staff recommended the largest portion of the project be awarded to ECOtality, based on their proposal to provide charging equipment and its installation at no cost to Bay Area residents in most cases.

In addition, ECOtality's proposal includes an invitation to join the United States Department of Energy's The EV Project:

- 1,500 DC fast charge inlets on EVs at no cost
- \$4,992,500 DOE cost share (for all 3 components)

The EV Project consists of the following:

- \$230 Million project
 - Currently being implemented in 16 communities in the United States
 - Plan public EV infrastructure deployment
 - Provide residential and public EVSE
 - Collect data and study behavior and EVSE utilization

Ms. Schkolnick continued stating that by contracting with ECOtality and joining The EV Project, the Air District would have access to the data and could utilize it to support future strategic investments in the Bay Area.

Additional program components that were a part of the RFP are as follows:

- Deploy 25-50 DC fast chargers by June 30, 2012
- Air District provides discount of at least \$15k per charger installed at ~10-mile intervals along major roadways to support:
 - Extended travel within Bay Area and interstate corridors
 - EV drivers that lack home chargers
- Contractor to collect and report usage data electronically

Based on the results of the RFP, staff proposed awards for deployment of the DC Fast Charger component to the two top ranking bidders.

- ECOtality
- AeroVironment

Both are highly experienced in deployment of DC fast charging equipment and will offer competitive rates to the end users.

In addition, the ECOtality proposal included:

- Matched with significant funding from DOE
- Provide detailed usage data about DOE project vehicles that will help to inform future fast charging deployments
- Supports West Coast EV Corridor (between Washington/Oregon and Southern California)

The Program Coordination component of the RFP provides up to \$50k for:

- Regional home and public charger permitting coordination
- Evaluation of sustainable business models
- Coordination with local stakeholders to share best practices

Staff recommended an award of \$50,000 to top ranking ECOtality. ECOtality scored highest based on extensive public coordination and planning experience and cost share match from DOE.

Next steps include the following:

- Complete Regional EV Strategic Plan led by JPC in partnership with BAAQMD, MTC and ABAG. The plan is anticipated to be completed in Spring 2011. The strategy will:
 - Assess Bay Area's readiness to support electric vehicles and the necessity to deploy additional public chargers
 - Develop criteria to inform funding priorities
- Use the results of the Regional EV Strategic Plan, along with the results of the work performed through the contracts, to develop a recommendation for the second phase of EV deployment.
- By December 2011, based on results of Strategic Plan and Program Coordination, as needed:
 - Issue new RFP for Level 2 Public Charging program element
 - Expand current program elements

Ms. Schkolnick concluded the presentation, recommending that the Committee request the Board of Directors' award ECOtality, Coulomb Technology, AeroVironment and Clipper Creek contracts for the EVSE Home Charger Rebate project (\$3,087,500); award ECOtality and AeroVironment contracts for the Direct Current (DC) Fast Charger Deployment project (\$764,800); award ECOtality contract for Program Coordination (\$50,000); and authorize the Executive Officer/APCO to execute contracts with each of these contractors.

Committee Comments/Questions:

Director Ross asked who will be the lead with regard to public outreach to attract applicants. Mr. Breen stated that public outreach will be led by the contractors, as this is part of the RFP. Mr. Breen continued that the contractors have existing relationships with various auto manufacturers.

Director Bates asked if an individual was to purchase an electrical vehicle, would that individual be eligible to receive a free home charger. Mr. Breen stated that when an individual goes to the dealer, the dealer will make the buyer aware of the various options available during the time of purchase.

Director Bates also asked about the cost associated with the charger. Mr. Breen responded the equipment ranges from \$1,000 to \$2,000 for installation. In addition, Mr. Breen stated that ECOtality will provide the District with financial models to show who is paying for electricity, how it supports the maintenance of the equipment.

Director Ross asked who would be responsible for selecting the contractor. Mr. Breen responded that it will be the responsibility of the homeowner to select a contractor.

Director Miley asked how much of an increase will an individual see on their electric bill. Mr. Breen responded that it will vary based on the size of the vehicle's battery.

Chairperson Haggerty asked who was responsible for ranking the proposals. Mr. Breen responded that District staff was responsible for ranking the proposals. Chairperson Haggerty suggested utilizing groups from outside of the District. In addition, Chairperson Haggerty asked where the companies are located.

Ms. Schkolnick stated that ECOtality is located in San Francisco. Coulomb Technology is based in Cupertino. AeroVironment is located in Southern California and Clipper Creek has offices in Sacramento and Georgia.

Public Comments:

Jonathan Read from ECOtality expressed his appreciation for receiving the award. Mr. Read also stated that his company is working with various utility companies on rates. Mr. Read informed the Committee that the actual cost of electricity versus actual consumption of gas is about one fourth of the cost of gasoline (if charging at night), with an average monthly gas bill of about \$144 per month compared with a night time energy bill of about \$35. Staff will provide the Committee with an update on the costs for charging electric vehicles at a future meeting.

Committee Action: Director Hudson made a motion to recommend Board of Directors' award ECOtality, Coulomb Technology, AeroVironment and Clipper Creek contracts for the EVSE Home Charger Rebate project (\$3,087,500); award ECOtality and AeroVironment contracts for the Direct Current (DC) Fast Charger Deployment project (\$764,800); award ECOtality contract for Program Coordination (\$50,000); and authorize the Executive Officer/APCO to execute contracts with each of these contractors; Director Hosterman seconded the motion, carried unanimously without objection.

Committee Member Comments: None.

Next Meeting: At the call of the chair.

Adjournment: Meeting adjourned at 10:30 a.m.

Vanessa Johnson
Executive Secretary II

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: March 15, 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 March 8, 2011, the Air District had received 102 project applications. Of the applications that have been evaluated between January 7, 2011, and March 8, 2011, ten eligible projects have proposed individual grant awards over \$100,000. These projects will replace 15 pieces of off-road equipment and 8 marine engines, which will result in the reduction of 15.25 tons of NOx, ROG and PM per year. Staff recommends allocating \$1,569,074 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 March 8, 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 January 7, 2011 and March 8, 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 1/7/11 and 3/8/11)
- Attachment 2: Summary of all CMP Year 12/MSIF and VIP approved/eligible projects (evaluated between 5/3/10 and 3/8/11)

Attachment 1

BAAQMD Year 12 Carl Moyer Program/ MSIF projects with grant awards greater than \$100k
(Evaluated between 1/7/2011 and 3/8/2011)

Project #	Applicant name	Equipment category	Project description	Proposed contract award	NOx (TPY)	ROG (TPY)	PM (TPY)	County
12MOY34	Robert Giacomini Dairy, Inc	Off-road	The replacement of one (1) off-road diesel powered loader, and one (1) tractor.	\$ 148,861.00	1.419	0.174	0.045	Marin
12MOY67	Hudson Vineyards LLC	Off-road	The replacement of five (5) off-road diesel powered tractors.	\$ 139,428.00	0.618	0.114	0.039	Napa
12MOY72	RANKINS AG INC.	Off-road	The replacement of two (2) off-road diesel powered tractors.	\$ 151,763.00	1.639	0.228	0.065	Contra Costa
12MOY81	Simoni & Massoni Farms	Off-road	The replacement of two (2) off-road diesel powered tractors.	\$ 146,630.00	0.929	0.153	0.042	Sonoma
12MOY84	Spaletta Ranch	Off-road	The replacement of one (1) off-road diesel powered tractor.	\$ 103,678.00	1.207	0.152	0.042	Sonoma
12MOY73	Stan Poncia dba Terrilinda Dairy	Off-road	The replacement of one (1) off-road diesel powered loader.	\$ 108,497.00	0.381	0.066	0.014	Sonoma
12MOY74	Golden Gate Scenic Steamship Corp.	Marine	The replacement of two (2) main engines and two (2) auxiliary engines on the marine vessel: Harbor Queen.	\$ 241,453.00	3.024	-0.024	0.109	San Francisco
12MOY83	Ielmorini Dairy	Off-road	The replacement of one (1) off-road diesel powered loader.	\$ 117,957.00	0.499	0.085	0.025	Sonoma
12MOY75	Golden Gate Scenic Steamship Corp.	Marine	The replacement of two (2) main engines and two (2) auxiliary engines on the marine vessel: Harbor Princess.	\$ 285,247.00	3.352	-0.027	0.122	San Francisco
12MOY89	George Bianchi Inc. (Dairy)	Off-road	The replacement of one (1) off-road diesel powered loader.	\$ 125,560.00	0.658	0.079	0.023	Sonoma
				\$ 1,569,074.00	13.725	1.001	0.527	

Attachment 2

Summary of all CMP Yr 12/MSIF and VIP approved/eligible projects (5/3/10 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	\$ 148,861.00	Robert Giacomini Dairy, Inc	1.419	0.174	0.045	12/2/2010; BOARD	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
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

Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	NOx (TPY)	ROG (TPY)	PM (TPY)	Board approval date	County
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
12MOY55	Off-road	Equipment replacement	1	\$ 36,770.00	Alan Hynes Construction	0.314	0.067	0.020	APCO	Marin
12MOY65	Off-road	Equipment replacement	2	\$ 79,953.00	Clos Du Val Wine Company, Ltd.	0.234	0.067	0.024	APCO	Napa
12MOY67	Off-road	Equipment replacement	5	\$ 139,428.00	Hudson Vineyards LLC	0.618	0.114	0.039	Board	Napa
12MOY25	Off-road	Equipment replacement	1	\$ 28,659.00	Bodega Farms	0.208	0.042	0.017	APCO	Napa
12MOY47	Off-road	Equipment replacement	1	\$ 24,262.00	Albert Jr. and Victoria Mello dba Mello Dairy	0.224	0.040	0.011	APCO	Sonoma
12MOY71	Off-road	Equipment Replacement	1	\$ 34,794.00	Dutton Ranch corp.	0.134	0.040	0.014	APCO	Sonoma
12MOY64	Off-road	Equipment Replacement	1	\$ 31,495.00	Pery Kozlowski Ranch	0.150	0.029	0.012	APCO	Sonoma
12MOY72	Off-road	Equipment Replacement	2	\$ 151,763.00	RANKINS AG INC.	1.639	0.228	0.065	Board	Contra Costa
12MOY81	Off-road	Equipment Replacement	2	\$ 146,630.00	Simoni & Massoni Farms	0.929	0.153	0.042	Board	Sonoma
12MOY84	Off-road	Equipment Replacement	1	\$ 103,678.00	Spaletta Ranch	1.207	0.152	0.042	Board	Sonoma
12MOY86	Off-road	Equipment Replacement	1	\$ 31,687.00	Point Reyes Vineyards	0.078	0.016	0.006	APCO	Marin
12MOY76	Off-road	Equipment Replacement	1	\$ 28,736.00	Dutton Ranch corp.	0.156	0.028	0.007	APCO	Sonoma
12MOY73	Off-road	Equipment Replacement	1	\$ 108,497.00	Stan Poncia dba Terrilinda Dairy	0.381	0.066	0.014	Board	Sonoma
12MOY74	Marine	Engine repower	4	\$ 241,453.00	Golden Gate Scenic Steamship Corp.	3.024	-0.024	0.109	Board	San Francisco
12MOY83	Off-road	Equipment Replacement	1	\$ 117,957.00	Ielmorini Dairy	0.499	0.085	0.025	Board	Sonoma
12MOY75	Marine	Engine repower	4	\$ 285,247.00	Golden Gate Scenic Steamship Corp.	3.352	-0.027	0.122	Board	San Francisco
12MOY89	Off-road	Equipment Replacement	1	\$ 125,560.00	George Bianchi Inc.	0.658	0.079	0.023	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

Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	NOx (TPY)	ROG (TPY)	PM (TPY)	Board approval date	County
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
VIP31	VIP	Truck replacement	1	\$ 45,000.00	Raymond A. Hobbs	0.570	0.020	0.052	APCO	Santa Clara
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
VIP39	VIP	Truck replacement	1	\$ 45,000.00	Melanio G. Maningas	0.740	0.020	0.025	APCO	Contra Costa
85 Projects			128	\$ 6,753,635.00		60.889	5.634	7.010		

Figure 1: CMP/ MSIF Funding Distribution by Equipment Category as of 3/8/11

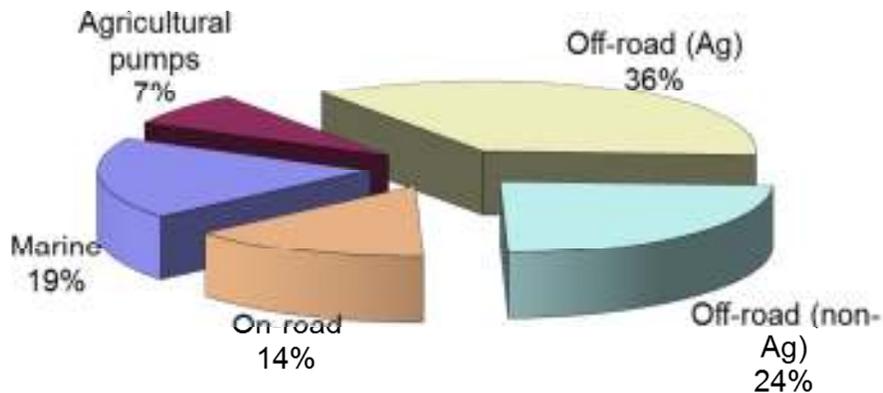
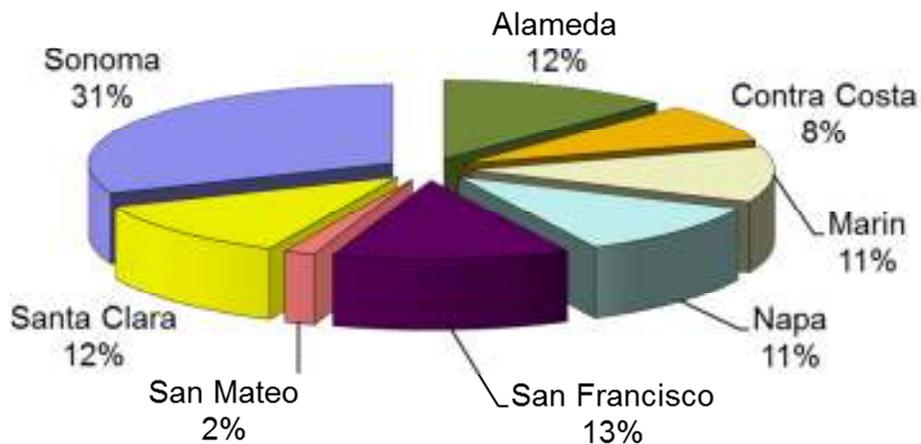


Figure 2: CMP/ MSIF Funding Distribution by County as of 3/8/11



BAY AREA AIR QUALITY MANAGEMENT DISTRICT
Memorandum

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

From: Jack P. Broadbent
Executive Officer/APCO

Date: March 15, 2011

Re: Vehicle Buy Back Program Annual Report

RECOMMENDED ACTION:

None. Informational report, receive and file.

BACKGROUND

The Air District's Vehicle Buy Back (VBB) Program began in June 1996, with the purpose of providing a financial incentive to Bay Area residents to retire older, higher-polluting vehicles. As planned, the Program was suspended on December 31, 2010, in light of the expansion of the State Bureau of Automotive Repair (BAR) retirement program which now covers the same vehicles.

The VBB Program purchased and scrapped model year 1989 and older light-duty vehicles, paying \$1,000 to qualifying vehicle owners. The Program was required to adhere to the Voluntary Accelerated Light-Duty Vehicle Retirement (VAVR) regulation and the Carl Moyer Program Guidelines adopted by the California Air Resources Board. It was funded by a combination of Mobile Source Incentive Funds (MSIF), Carl Moyer Program Funds, and Transportation Fund for Clean Air (TFCA). As part of this report, staff will present the results of this program for calendar year 2010.

DISCUSSION

2010 Vehicle Buy Back Program Annual Report

The following is a summary of Program results from January 1, 2010 through December 31, 2010 (calendar year 2010):

- *Emissions Reductions and Program Cost-Effectiveness:* During this time period, the Program reduced 636.6 tons of emissions (372 tons of ROG, 261 tons of NOx and 3.6 tons of PM), and achieved an estimated cost-effectiveness of \$9,976 per weighted ton.

- Contracts: During this reporting period, the Air District expended \$7,073,675 to implement the program. Using two contract dismantlers, Environmental Engineering Studies, Inc., and Pick-N-Pull, the Air District purchased and scrapped 5,862 eligible vehicles. The Air District used a direct mail contractor, Direct Mail Center, along with data from the Department of Motor Vehicles (DMV), to inform potential participants about the program.
- Program Suspension: As planned, the Program was suspended on December 31, 2010. This suspension was based on the fact that BAR expanded its Consumer Assistance Program and began to cover many of the same vehicles covered by the VBB Program in August 2010. Air District staff worked with BAR and DMV to ensure a smooth transition, and will continue to monitor the results in funding available for the BAR program. In the event that this funding runs out, staff would propose to the Committee that the VBB program be reactivated.
- Cumulative Results: Since beginning operation in 1996, the program has retired over 55,000 vehicles and reduced over 4,600 tons of ROG, over 2,500 tons of NOx, and over 32 tons of PM.

BUDGET CONSIDERATION / FINANCIAL IMPACT:

None. No allocation of funding is recommended at this time.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: David Wiley
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: March 15, 2011

Re: Status of Funding in Air District Grant Programs

RECOMMENDATION:

None. Informational item, receive and file.

BACKGROUND

As part of its efforts to reduce emissions from mobile sources, the Bay Area Air Quality Management District (Air District) allocated approximately \$92 million in funding in the last calendar year (2010). Approximately \$82 million of that funding was directly allocated by the Air District. The remaining \$10 million is distributed via the Transportation Fund for Clean Air (TFCA) County Program Manager program. Additionally, 2 one-time distributions: \$4.4 million via a settlement from ConocoPhillips for greenhouse gas (GHG) reductions and \$7 million from the Port of Oakland and United States Environmental Protection Agency for the port truck program were provided to the Air District in calendar year 2010.

The remaining approximately \$71 million of the \$92 million total came from 4 renewable funding sources: the California Goods Movement Bond (I-Bond), TFCA Regional Fund, Mobile Source Incentive Fund (MSIF) and Carl Moyer Program (CMP) funds, all of which accumulate annually via fees and bond sales that are distributed to the Air District. These programs constitute the Air District's primary grant programs. In order to inform the Committee of the anticipated needs for available funding and anticipated challenges for each of these programs, staff will review the anticipated funding amounts for each of these programs in calendar year 2011.

DISCUSSION

As part of its deliberations in calendar year 2010, the Committee received a report from staff on expenditures in various grant programs for the previous calendar year (2009). That report was based on actual expenditures of funding and emissions achieved.

At the March Committee meeting staff will present information on the Air Districts primary grants programs based on total dollar allocations and emissions reductions for calendar year 2010. This will provide the Committee a better overall indication of the total flow of funding in

and out of the primary grants programs. This methodology also allows staff to align the grant funding with future compliance dates set in airborne toxic control measures (ATCM) adopted by the California Air Resources Board and to present to the Committee anticipated needs for grant funding for this calendar year. Staff will also discuss with the Committee possible shortfalls in commitments by the State that may affect the I-Bond program.

BUDGET CONSIDERATION / FINANCIAL IMPACT:

None.

Respectfully submitted,

Jack P. Broadbent
Executive Director/APCO

Prepared by: Damian Breen
Reviewed by: Jean Roggenkamp