



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

## BOARD OF DIRECTORS MOBILE SOURCE COMMITTEE

### COMMITTEE MEMBERS

**SHELIA YOUNG - CHAIRPERSON**  
**ROBERTA COOPER**  
**JAKE MCGOLDRICK**  
**DENA MOSSAR**  
**PAM TORLIATT**

**TIM SMITH – VICE CHAIRPERSON**  
**JERRY HILL**  
**JULIA MILLER**  
**JOHN SILVA**

**THURSDAY**  
**JULY 10, 2003**  
**9:30 A.M.**

**FOURTH FLOOR CONFERENCE ROOM**

### 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 JUNE 12, 2003**
4. **TRANSPORTATION FUND FOR CLEAN AIR (TFCA) FY 2003/04 PROGRAM MANAGER FUNDS**  
**T. Perardi/4667**  
[tperardi@baaqmd.gov](mailto:tperardi@baaqmd.gov)  
*Consider approval of the TFCA County Program Manager Expenditure Programs for FY 2003/04.*
5. **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).*
6. **TIME AND PLACE OF NEXT MEETING: 9:30 a.m., SEPTEMBER 11, 2003, 939 ELLIS STREET, SAN FRANCISCO, CA.**
7. **ADJOURNMENT**

**CONTACT CLERK OF THE BOARDS - 939 ELLIS STREET  
SAN FRANCISCO, CA 94109**

**(415) 749-4965  
FAX: (415) 928-8560  
BAAQMD homepage:  
[www.baaqmd.gov](http://www.baaqmd.gov)**

- To submit written comments on an agenda item in advance of the meeting.
- To request, in advance of the meeting, to be placed on the list to testify on an agenda item.
- To request special accommodations for those persons with disabilities notification to the Clerk's Office should be given at least three working days prior to the date of the meeting so that arrangements can be made accordingly.

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

**DRAFT MINUTES**

Summary of Board of Directors  
Mobile Source Committee Meeting  
9:30 a.m., Thursday, June 12, 2003

**1. Call to Order – Roll Call:** 9:30 a.m.

**Roll Call:** Shelia Young, Chair, Roberta Cooper, Jerry Hill, Julia Miller (9:37 a.m.), Dena Mossar, Pamela Torliatt.

**Absent:** Jake McGoldrick, John Silva, Tim Smith.

**Also Present:** Scott Haggerty (10:06 a.m.).

**2. Public Comment Period:** There were none.

**3. Approval of Minutes of April 10, 2003:** Director Torliatt moved approval of the minutes; seconded by Director Hill; carried unanimously by acclamation.

**4. Vehicle Incentive Program:**

*Consideration of:*

- 1) *Allocation of \$800,000 in FY 2003/04 Transportation Fund for Clean Air Regional Funds for the continuation of the District's Vehicle Incentive Program.*
- 2) *Approve proposed FY 2003/2004 policy revisions to the Vehicle Incentive Program.*

David Burch, Environmental Planner, presented the report and reviewed the background of the Vehicle Incentive Program (VIP). Mr. Burch reported on the potential revisions to the VIP and noted that the District received 15 written comments. Mr. Burch reviewed the incentives for ultra low emission vehicle (ULEV) and super ultra low emission vehicles (SULEV). Mr. Burch explained concerns about high mileage vehicles and the proposal that this portion of the program be eliminated. These vehicles will still be eligible for VIP incentives via the basic VIP program. In conclusion, Mr. Burch recommended the Committee approve the staff recommendation.

There were two speakers on this item:

Roger Hooson  
San Francisco International Airport  
San Francisco, CA 94125

Doug Cameron  
Clean Energy  
San Francisco, CA 94131

**Committee Action:** Director Hill moved that the Committee recommend Board approval of the staff recommendations on the Vehicle Incentive Program for FY 03/04; seconded by Director Miller.

There was discussion on the lack of availability of electric vehicles. Mr. Burch stated that there have been discussions with ARB to encourage the manufacturers to re-lease these vehicles or extend the leases. There was discussion on electric bikes and that they would be eligible for the TFCA County Funds. The motion then carried unanimously without objection.

**5. Vehicle Buy Back Program:** *The Committee received an informational report on the status of the District's Vehicle Buy Back Program.*

Vanessa Mongeon, Environmental Planner, presented the report and summarized the Air District's Vehicle Buy Back Program and noted that the Program is governed by the Air Resources Board's (ARB) Voluntary Accelerated Light-Duty Vehicle Retirement (VAVR) regulation. A total of 16,484 vehicles have been scrapped through the end of April 2003. There are three dismantlers with 13 yards taking the vehicles. Ms. Mongeon stated that the dismantler contracts were recently revised, adding a total of \$1,500,00 to the existing contracts, for a total of \$3.5 million that is available. Ms. Mongeon reviewed the direct mail campaign, the vehicle scrapping rates, and the VAVR regulation. It was noted that the State Vehicle Retirement Program has been suspended since December 2001.

The Committee requested staff provide information on what counties the scrapped vehicles come from and information on the Bureau of Automotive Repair low-income program when vehicles fail a smog check.

**Committee Action:** None. This report provided for information only.

**6. Carl Moyer Program:** *The Committee considered authorizing the Air District's continued participation in implementing the California Air Resources Board FY 2002/2003 Carl Moyer Program in the Bay Area.*

Michael Murphy, Principal Environmental Planner, presented the report and stated that the Carl Moyer Program provides grants to reduce emissions of NOx in the Bay Area. Mr. Murphy reported that the Air District has received approximately \$3.2 million to distribute as incentives. Mr. Murphy reviewed the proposed procedures for distribution of the funds and the proposed schedule. In conclusion, Mr. Murphy stated that the staff recommends the following:

- 1) *Board approval of the Air District's participation in implementing the California Air Resources Board's 2003 Carl Moyer Program in the San Francisco Bay Area.*
- 2) *The Board authorize the Executive Officer/APCO to enter into necessary agreements and contracts with CARB and with approved applicants to implement the Carl Moyer Program in the San Francisco Bay Area.*
- 3) *Board approval of the revised 2003 procedures for allocating the Carl Moyer Program incentives in the Bay Area.*

During discussion, the Committee requested a change in Procedure No. 7 to state that old diesel engines must be destroyed, with the exception of public safety vehicles and school buses, which

would have to have emission control equipment installed if they were to be sent outside the Bay Area.

**Committee Action:** Director Haggerty moved the Committee recommend Board approval of the staff recommendations, with the change in Procedure No. 7 as stated above; seconded by Director Miller.

During discussion, it was noted that control equipment will be installed on the school buses that will be sent to San Felipe, Mexico. In response to a question from Director Young, Mr. Murphy stated that the District receives 9% of the money available statewide and this is based on a formula that ARB adopted when the Air District was out of attainment. District staff has spoken to ARB about re-adjusting the formula and ARB has indicated they will address this issue in future allocations. The motion then passed without objection.

**7. Lower Emission School Bus Program:** *The Committee considered:*

- 1) *Authorizing the Air District's continued participation in implementing the California Air Resources Board's Lower Emission School Bus Program in the Bay Area.*
- 2) *Approving proposed revisions to the Lower Emissions School Bus Program to lower the maximum school district co-payment for a school bus purchase, expand the available options to reduce emissions from in-use diesel school buses, and require participating school districts to retrofit all eligible diesel school buses in their fleet.*

Mr. Murphy presented the report and stated that the District's efforts to get clean school buses has been successful and continuation of this program will help to purchase new vehicles. Mr. Murphy reviewed the funding sources, the requirements of the Program, the proposed policies, and the schedule.

In response to a question from Chairperson Young, Brian Bunker, Counsel, stated that the United Airlines settlement funding is from a portion of the total settlement of Notices of Violation that was set aside for the school bus program. There was also discussion on Requirement 11 that imposes a \$100 per day penalty that would be assessed for each school bus delivered after September 1, 2004. Mr. Murphy indicated staff has discussed this issue with CARB and stated that the contracts could have a clause that would pass this penalty on to the vendor.

The Committee requested staff look into school districts' interest in providing bus service and to consider the Air District partnering with MTC to help coordinate or provide this. Director Miller requested staff provide information on how many school districts qualify for this funding and how does the Air District do outreach for this. There was a brief discussion on the definition of a school bus. Director Cooper expressed concern over the \$10,000 to \$15,000 cost to the school districts because of the budget issues the school districts are facing.

**Committee Action:** Director Miller moved the Committee recommend Board approval of the staff recommendations on the Lower Emission School Bus Program; seconded by Director Haggerty; carried with Director Cooper opposing.

**8. Committee Member Comments/Other Business:** Chairperson Young requested staff research information on what can be done with regard to idling garbage trucks.

**9. Time and Place of Next Meeting:** At the Call of the Chair.

**10. Adjournment:** The meeting adjourned at 10:52 a.m.

Mary Romaidis  
Clerk of the Boards

**MOBILE SOURCE COMMITTEE**

**Follow-up Items for Staff**

**June 12, 2003**

1. The Committee requested staff provide information on what counties the scrapped vehicles come from and information on the Bureau of Automotive Repair low-income program when vehicles fail a smog check.
2. The Committee requested staff look into school districts' interest in providing bus service and to consider the Air District partnering with MTC to help coordinate or provide this.
3. Director Miller requested staff provide information on how many school districts qualify for this funding and how does the Air District do outreach for this.
4. Chairperson Young requested staff research information on what can be done with regard to idling garbage trucks.

BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
Inter-office Memorandum

To: Chairperson Young and  
Members of the Mobile Source Committee

From: Tom Perardi  
Director of Planning

Date: July 2, 2003

Re: Transportation Fund for Clean Air (TFCA) County Program Manager  
Expenditure Plans for FY 2003/04

RECOMMENDED ACTION:

Approve staff recommendations on the FY 2003/04 TFCA County Program Manager projects listed on the attached Table 1.

BACKGROUND

Pursuant to California Health and Safety Code Sections 44241 and 44242, the Air District Board has imposed a \$4 per vehicle surcharge on all motor vehicles registered within the boundaries of the Air District. By law, forty percent of the revenues generated by this surcharge are returned to the designated Program Manager in each county. Each Program Manager submits to the Air District for approval an annual expenditure program of recommended projects for its forty percent share. Air District staff has reviewed the County Program Manager expenditure programs submitted for FY 2003/04, as discussed below.

DISCUSSION

Project Evaluation

To determine eligibility, Air District staff evaluated the projects in the Program Manager expenditure programs relative to:

1. *Consistency with State Law:* Is the project consistent with one of the eligible project categories listed in California Health and Safety Code (HSC) Section 44241?
2. *Consistency with the Clean Air Plan:* Pursuant to HSC Sections 40233 and 40717, is the project consistent with the appropriate Transportation Control Measure (TCM) contained in the Clean Air Plan?
3. *Reduces Emissions from Motor Vehicles:* Pursuant to HSC Section 44220(b), will the project reduce emissions from motor vehicles?
4. *Consistency with Board Adopted Policies:* Is the project consistent with Board policies adopted on January 11, 2003 for the FY 2003/04 funding cycle?

TFCA Cost Effectiveness

Per January 11, 2003 Board-adopted policy, annual expenditure programs for County Program Manager funds must achieve an aggregate TFCA cost-effectiveness of less than \$90,000 per ton. Under this policy, individual Program Manager projects can exceed



\$90,000 per ton, provided that the aggregate TFCA cost-effectiveness for each county expenditure program is less than \$90,000 per ton. To calculate aggregate cost-effectiveness, total TFCA Program Manager funds allocated in the annual county expenditure plan are divided by the combined estimated lifetime emission reductions for projects in the expenditure plan. Projects excluded from the calculation of aggregate TFCA cost-effectiveness include TFCA Program Manager administrative costs, alternative fuel infrastructure projects, light-duty clean air vehicles with a gross vehicle weight of 10,000 pounds or less, and TFCA Program Manager funds allocated for the Regional Ridesharing Program administered by the Metropolitan Transportation Commission (MTC).

Project List

Summary information for all of the projects in the FY 2003/04 Program Manager expenditure programs is provided in Table 1, which is divided into nine sections – one section for each Bay Area county, in alphabetical order. Table 1 lists the project sponsor, the project description, the TFCA funds requested, the TFCA cost-effectiveness (TFCA dollars per ton of emissions reduced over the life of the project), staff’s recommended action for the Air District Board, and the aggregate cost-effectiveness for each county’s expenditure program, calculated using methodology described above. The aggregate TFCA cost-effectiveness for each county is below the \$90,000 per ton threshold, as required by Board-adopted policy.

Originally 71 projects were submitted for consideration. Seven projects were withdrawn by mutual agreement, as discussed in the next section below. Staff recommends approval of the remaining 64 projects. Seven projects exceed the \$90,000 per ton threshold on an individual basis, as calculated by Air District staff. These projects are recommended for approval, because each Program Manager expenditure program achieves the \$90,000 per ton threshold on an aggregate basis.

Project 03NAP02 fell under new Policy #27, requesting funds to put retrofit devices on seven Napa County transit buses. When this policy was approved, staff anticipated that retrofit devices would be available meeting Section B.5 of this policy, which states that: *“Particulate matter (PM) retrofit filters must meet the CARB 2004 standard of no more than 20% NO<sub>2</sub> slip”*. At this time, no filters on the market meet this requirement. Staff recommends waiving this section of the policy in order to allow this project to proceed. The retrofit filters proposed by the project sponsor will meet all other policy requirements and will still contribute significantly to cleaning up the emissions of existing diesel engines.

Table 2 shows, for each county, the total amount of TFCA funds available, the amount recommended for programming, and the amount of any unallocated funds still available to be programmed. The total funds available for programming represents the sum of projected calendar year 2003 DMV receipts, interest earned on TFCA funds in calendar year 2002, and funds available for reprogramming from prior year projects that were canceled or completed under budget.

Table 2 also provides a breakdown of county Program Manager funds by county and project type. Most of the Program Manager TFCA funds are requested for ridesharing programs (38.5%), bicycle projects (26.4%), shuttle services (10.9%), and arterial management projects (8.9%). The remaining funds are requested for other eligible project categories. Program administration costs are less than the maximum of 5% of new FY 03/04 revenues in each county, as required by the TFCA enabling legislation.

Withdrawn Projects

Seven projects have been withdrawn:

- Alameda - City of San Leandro – Advanced Traffic Management System Upgrades
- Marin – County of Marin – Cal-Park Hill Tunnel Rehabilitation and Class 1 Bikeway
- Marin – County of Marin – Petaluma Telecommute/Telework Center
- Marin – County of Marin – Wolfe Grade Pathway

These projects were withdrawn based on mutual agreement between the respective County Program Managers and Air District staff. These projects were not ready to proceed at this time. The projects may be resubmitted if the sponsor provides the necessary documentation so that the Air District can calculate their emission reductions and cost-effectiveness.

Contra Costa – County General Services Dept. - CNG Direct Line Fast Fill Fueling Station Funding for this project is contingent upon the sale of CNG tube trailers from a previous year Contra Costa project. When this sale has taken place and funds are available, this project may be resubmitted.

San Francisco – San Francisco Municipal Railway (MUNI) – Bus Catalyst Devices

This project sought funding for bus retrofit devices that are not currently certified by California Air Resources Board. Certification is required by Air District policy and without it, the Air District has no means to evaluate the project’s cost-effectiveness. The project may be resubmitted once this requirement is met.

Santa Clara – City of Morgan Hill – Class 1 Bicycle Facility: Llagas Creek Trail

This project is for construction of a paved Class 1 bicycle pathway adjacent to Llagas Creek. After submission of the application, the project sponsor discovered that the Water District would begin a project to install earth dikes adjacent to the creek and that they could not guarantee saving the new trail during their construction activities. Should circumstances change, this project may be resubmitted.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None. Approval of the recommended projects will have no material impact on the District’s budget. TFCA revenues are generated from a dedicated outside funding source and passed through to counties. TFCA allocations do not impact the District’s general fund or operating budget.

RECOMMENDED ACTION:

Approve staff recommendations on projects listed on the attached Table 1.

Respectfully submitted,

Thomas Perardi  
Planning and Research Director

Prepared by: Liz Berdugo

Reviewed by: \_\_\_\_\_

FORWARDED: \_\_\_\_\_

**Table 1: TFCA County Program Manager  
FY03/04 Project List**

Project Number	Sponsor	Project Description	TFCA Funding Requested	TFCA\$ Cost-Effectiveness Per Ton (1)	Action
<b>ALAMEDA COUNTY</b>					
03ALA00	Alameda County CMA	Program Manager costs to administer TFCA funds within the County.	\$99,821	NA	Approve
03ALA01	City of Albany	Complete environmental documents and design work as part of a project to construct a Class 2 bike lane along Marin Avenue in Albany, from San Pablo Ave to Tulare Ave.	\$30,000	\$17,679	Approve
03ALA02	City of Berkeley	Expand the existing Berkeley bikestation by adding bike storage capacity from 77 bikes to 200 bikes. Also, fund the continued operation of the bikestation for 1 year.	\$86,136	\$111,865	Approve
03ALA03	City of Emeryville	Construct bike lanes along an existing railroad spur between 65th and 67th St at the north end of Doyle St in Emeryville. This is part of a regional bike route from Oakland to Berkeley.	\$50,000	\$74,030	Approve
03ALA04	City of Fremont	Construct a 1 mile class 2 bike lane along Fremont Blvd between Mowry Ave and Central Ave in Fremont. This is a gap closure project on an existing 4.5 mile bikeway.	\$100,250	\$26,987	Approve
03ALA05	City of Pleasanton	Provide a Rides to School Program that consists of school based traffic calming, bicycle and pedestrian programs, local transit bus promotion, and designation of preferred routes to school.	\$21,474	\$215,565	Approve
03ALA06	City of Pleasanton	Implement a citywide trip reduction program with employers in the City of Pleasanton. Programs include promotion of alternate commute modes and work hours, financial incentives, and a Guaranteed Ride Home Program.	\$33,412	\$29,286	Approve
03ALA07	City of Fremont	Install a CNG facility at the maintenance corporation yard in the City of Fremont. Includes 4 slow-fill compressors and 1 fast-fill dispenser which will accommodate 100 vehicles daily.	\$96,242	NA	Approve
03ALA08	City of Oakland	Install a CNG facility at 1 Market St in the City of Oakland for the city's fleet of CNG vehicles. The facility will have 10 fueling pumps servicing 100 vehicles per week.	\$225,000	NA	Approve
03ALA09	LAVTA	Provide a shuttle service between the Pleasanton ACE Train station, the Hacienda Business Park, and the Dublin/Pleasanton BART station. Shuttle will meet peak-hour morning and evening trains.	\$41,474	\$45,239	Approve
03ALA10	Alameda CMA	Replace signal poles along San Pablo Ave as part of the SMART Corridors signal timing project, an existing TFCA Regional Fund project. Signal poles currently do not meet Caltrans standards. Signal poles will later be mounted with signal timing equipment.	\$220,199	\$10,017	Approve
03ALA11	Metropolitan Transportation Commission	Regional Ridesharing Program: Provide ridematching services to help commuters form carpools and vanpools. Provide comprehensive information regarding commute alternatives to employers and the public.	\$550,691	Note 2	Approve
			Aggregate TFCA C-E	\$18,807	

Notes:

(1) TFCA\$ per ton = TFCA\$ divided by the estimated lifetime emission reductions (ozone precursors and particulate matter) for the project. NA = not applicable. Emission reductions are not attributed to administration and clean air vehicle fueling infrastructure.

(2) Cost-effectiveness for the regional ridesharing program is calculated for the application that MTC submits for TFCA Regional Funds. The regional ridesharing program for FY02/03 was estimated to reduce 128 tons of ozone precursors and particulate matter at a cost of \$19.576 TFCA\$ per ton.

**Table 1: TFCA County Program Manager  
FY03/04 Project List**

Project Number	Sponsor	Project Description	TFCA Funding Requested	TFCA\$ Cost-Effectiveness Per Ton (1)	Action
<b>CONTRA COSTA COUNTY</b>					
03CC00	Contra Costa Transportation Authority	Program Manager costs to administer TFCA funds within the County.	\$68,348	NA	Approve
03CC01	Metropolitan Transportation Commission	Regional Ridesharing Program: Provide ridematching services to help commuters form carpools and vanpools. Provide comprehensive information regarding commute alternatives to employers and the public.	\$379,496	Note 2	Approve
03CC02	Central Contra Costa Transit Authority	Construct a Park & Ride lot/transit hub at a 3.7 acre site on Muir Road in Martinez. Project will accommodate 5 buses simultaneously and provide 184 vehicle parking spaces.	\$92,922	\$23,696	Approve
03CC04	Contra Costa Commute Alternative Network	Provide comprehensive trip reduction services to employers at worksites in southern Contra Costa County. Project will provide information, workshops, and website updates; will install bike racks, lockers, and infrastructure; and will promote carpools and vanpools.	\$70,282	\$16,088	Approve
03CC05	Contra Costa Commute Alternative Network	Provide grants of up to \$10,000 to install on-site natural gas infrastructure to support public agency fleets throughout Contra Costa County.	\$42,526	NA	Approve
03CC06	Contra Costa Commute Alternative Network	Provide funds to cover the incremental cost to lease 17 natural gas buses for school bus service in the Lamorinda area.	\$30,000	\$32,015	Approve
03CC07	Contra Costa Commute Alternative Network	Provide ridematching services for K-8 students in San Ramon Valley and Lamorinda school districts. Provide 20 free bus tickets to each student unable to find a carpool.	\$25,000	\$38,674	Approve
03CC08	Contra Costa Commute Alternative Network	Provide incentives to promote the formation of vanpools throughout Contra Costa County. Incentives include 50% of vanpool expenses for first 3 months. Also promotes new riders with incentives for drivers who recruit at least 6 riders for a year.	\$70,000	\$15,864	Approve

Notes:

(1) TFCA\$ per ton = TFCA\$ divided by the estimated lifetime emission reductions (ozone precursors and particulate matter) for the project. NA = not applicable. Emission reductions are not attributed to administration and clean air vehicle fueling infrastructure.

(2) Cost-effectiveness for the regional ridesharing program is calculated for the application that MTC submits for TFCA Regional Funds. The regional ridesharing program for FY02/03 was estimated to reduce 128 tons of ozone precursors and particulate matter at a cost of \$19,576 TFCA\$ per ton.

**Table 1: TFCA County Program Manager  
FY03/04 Project List**

Project Number	Sponsor	Project Description	TFCA Funding Requested	TFCA\$ Cost-Effectiveness Per Ton (1)	Action
<b>CONTRA COSTA COUNTY</b>					
03CC09	Contra Costa Commute Alternative Network	Provide comprehensive trip reduction services to employers at worksites in central/eastern Contra Costa County. Project will provide information, workshops, and website updates; will install bike racks, lockers, and infrastructure; and will promote carpools and vanpools.	\$96,000	\$19,469	Approve
03CC10	Contra Costa Commute Alternative Network	Provide ridematching services for K-12 students in west/central and eastern Contra Costa County. Provide 20 free bus tickets to each student unable to find a carpool.	\$72,370	\$60,823	Approve
03CC11	Contra Costa Commute Alternative Network	Provide financial incentives to encourage residents and employees in Contra Costa to use transit (BART and the various local bus systems). Services include informational materials, marketing, free tickets, discount passes, and website updates.	\$170,000	\$32,134	Approve
03CC12	Contra Costa Commute Alternative Network	Install bicycle racks and lockers in public locations and at employment sites in Contra Costa County.	\$36,000	\$19,189	Approve
03CC13	Contra Costa Commute Alternative Network	Provide financial incentives to encourage residents and employees in Contra Costa to use carpools. Includes 3 components: a commuter incentive program, a college commuter incentive program, and a Carpool to BART project.	\$146,000	\$32,260	Approve
03CC14	Contra Costa Commute Alternative Network	Provide comprehensive trip reduction services to employers at worksites in western Contra Costa County. Project will provide information, workshops, and website updates; will install bike racks, lockers, and infrastructure; and will promote carpools and vanpools.	\$63,000	\$15,952	Approve
03CC15	Contra Costa Commute Alternative Network	Provide up to 6 taxi or rental car vouchers per year to registered participants working in Contra Costa County who regularly use alternative commute modes.	\$115,500	\$47,412	Approve
03CC16	Contra Costa Commute Alternative Network	Provide financial incentives to increase transit ridership among West County residents and commuters in the I-80 corridor in Contra Costa County. Offer tickets, informational materials, and website updates.	\$43,342	\$72,853	Approve
			Aggregate TFCA C-E	\$26,367	

Notes:

(1) TFCA\$ per ton = TFCA\$ divided by the estimated lifetime emission reductions (ozone precursors and particulate matter) for the project. NA = not applicable. Emission reductions are not attributed to administration and clean air vehicle fueling infrastructure.

**Table 1: TFCA County Program Manager  
FY03/04 Project List**

Project Number	Sponsor	Project Description	TFCA Funding Requested	TFCA\$ Cost-Effectiveness Per Ton (1)	Action
<b>MARIN COUNTY</b>					
03MAR00	Marin County CMA	Program Manager costs to administer TFCA funds within the County.	\$21,106	NA	Approve
03MAR01	County of Marin	Provide a trip reduction program at Marin county schools. Includes educational efforts focusing on safety and increasing the mode share for biking, walking, and carpooling to school.	\$500,000	\$82,601	Approve
			Aggregate TFCA C-E	\$82,601	

Notes:

(1) TFCA\$ per ton = TFCA\$ divided by the estimated lifetime emission reductions (ozone precursors and particulate matter) for the project. NA = not applicable. Emission reductions are not attributed to administration and clean air vehicle fueling infrastructure.

**Table 1: TFCA County Program Manager  
FY03/04 Project List**

Project Number	Sponsor	Project Description	TFCA Funding Requested	TFCA\$ Cost-Effectiveness Per Ton (1)	Action
<b>NAPA COUNTY</b>					
03NAP00	Napa County Transportation Planning Agency	Program Manager costs to administer TFCA funds within the County.	\$5,000	NA	Approve
03NAP01	City of Napa	Construct an 800 foot Class 2 bicycle lane on Lincoln Ave from Soscol to the railroad right-of-way. The lane is a gap closure in an existing 2 mile lane.	\$146,127	\$72,118	Approve
03NAP02	Napa County Transportation Planning Agency	Install particulate matter filters on 7 existing Napa County transit buses equipped with diesel engines.	\$63,000	\$1,693	Approve
03NAP03	Metropolitan Transportation Commission	Regional Ridesharing Program: Provide ridematching services to help commuters form carpools and vanpools. Provide comprehensive information regarding commute alternatives to employers and the public.	(3) \$42,280	Note 2	Approve
			Aggregate TFCA C-E	\$5,331	

Notes:

(1) TFCA\$ per ton = TFCA\$ divided by the estimated lifetime emission reductions (ozone precursors and particulate matter) for the project. NA = not applicable. Emission reductions are not attributed to administration and clean air vehicle fueling infrastructure.

(2) Cost-effectiveness for the regional ridesharing program is calculated for the application that MTC submits for TFCA Regional Funds. The regional ridesharing program for FY02/03 was estimated to reduce 128 tons of ozone precursors and particulate matter at a cost of \$19,576 TFCA\$ per ton.

(3) Funds not included in Napa's total expenditure because they have already been given to the Air District for transfer to MTC.



**Table 1: TFCA County Program Manager  
FY03/04 Project List**

Project Number	Sponsor	Project Description	TFCA Funding Requested	TFCA\$ Cost-Effectiveness Per Ton (1)	Action
<b>SAN FRANCISCO COUNTY</b>					
03SF00	San Francisco County CMA	Program Manager costs to administer TFCA funds within the County.	\$38,464	NA	Approve
03SF01	BART	Construct bicycle stair channel at 16th Street Mission BART Station to facilitate use of bicycles by providing improved vertical access to the bicycle parking.	\$165,000	\$85,447	Approve
03SF02	Peninsula Corridor Joint Powers Board (Caltrain)	Construct an attended bikestation with capacity to store 100 bicycles at the San Francisco 4th & King Caltrain station.	\$100,000	\$87,183	Approve
03SF03	Golden Gate Park Concourse Authority	Provide free weekend/holiday shuttle bus service from May to October. Shuttle operates 4 vehicles and provides services every 10 minutes from the N Judah light rail line and MUNI bus stops to key attractions in Golden Gate Park.	\$47,000	\$81,977	Approve
03SF04	Presidio Trust	Upgrade existing CNG fueling station. Includes 2 components: extend a slow-fill refueling line under Young street between the CNG Station and the PresidiGo Shuttle bus yard, and add a 48 gallon tank system to increase capacity.	\$100,000	NA	Approve
03SF05	County of San Francisco	Defray the incremental costs for 44 light-duty vehicles including 4 ULEVs, 10 SULEVs, 6 SULEV Hybrids, 12 ZEVs, and 12 neighborhood-ZEVs.	\$149,000	NA	Approve
03SF06	County of San Francisco	Purchase 50 bicycles, 50 helmets, 50 locks, and 10 bicycle trailers for use by City employees.	\$39,000	\$88,594	Approve
03SF07	County of San Francisco	Provide shuttle service between the Civic Center BART/MUNI Station and the Hall of Justice every 15 minutes at peak morning and evening times. Service is with a natural gas shuttle.	\$68,000	\$82,243	Approve
03SF08	County of San Francisco	Provide a free or low cost guaranteed ride home to employees at more than 3000 participating companies located throughout the County who regularly use an alternative commute mode.	\$25,000	\$83,330	Approve
03SF09	County of San Francisco	Install bicycle signs and lights in Broadway Tunnel. Flashing beacons will notify drivers when cyclists are in the tunnel and signs will direct cars to pass.	\$26,000	\$86,615	Approve
03SF10	County of San Francisco	Construct a bicycle rack storage area and install 38 bicycle racks at the S.F. Main Library. This will bring the total number of racks and bicycle capacity to 50.	\$27,000	\$84,754	Approve

Notes:

(1) TFCA\$ per ton = TFCA\$ divided by the estimated lifetime emission reductions (ozone precursors and particulate matter) for the project. NA = not applicable. Emission reductions are not attributed to administration and clean air vehicle fueling infrastructure.

**Table 1: TFCA County Program Manager  
FY03/04 Project List**

Project Number	Sponsor	Project Description	TFCA Funding Requested	TFCA\$ Cost-Effectiveness Per Ton (1)	Action
<b>SAN FRANCISCO COUNTY</b>					
03SF11	County of San Francisco	Construct a 1 mile Class 2 bicycle lane on Potrero Avenue, San Francisco Bike Route 25, from 17th Street to Cesar Chavez. Also construct a pedestrian refuge island at 23rd and Potrero.	\$175,000	\$84,798	Approve
03SF12	County of San Francisco	Stripe a Class 2 bike lane westbound on Crescent Avenue, from Putnam to Murray Streets. Paint bicycle pavement stencils on the Class 3 bike lane in the eastern direction to enhance identification of the Class 3 bike lane.	\$21,000	\$87,448	Approve
03SF13	San Francisco MUNI	Install Transit Priority Signal emitters in 24 articulated MUNI coaches. The coaches will provide transit priority on the #14 Mission and #38 Geary bus lines.	\$20,000	\$89,949	Approve
			Aggregate TFCA C-E	\$85,252	

Notes:

(1) TFCAS\$ per ton = TFCAS\$ divided by the estimated lifetime emission reductions (ozone precursors and particulate matter) for the project. NA = not applicable. Emission reductions are not attributed to administration and clean air vehicle fueling infrastructure.

**Table 1: TFCA County Program Manager  
FY03/04 Project List**

Project Number	Sponsor	Project Description	TFCA Funding Requested	TFCA\$ Cost-Effectiveness Per Ton (1)	Action
<b>SAN MATEO COUNTY</b>					
03SM00	San Mateo County CMA	Program Manager costs to administer TFCA funds within the County	\$53,009	NA	Approve
03SM01	SamTrans	Provide peak period shuttle service along 11 routes from BART stations to major employment sites in San Mateo County.	\$471,544	\$58,426	Approve
03SM02	City of Menlo Park	Provide free mid-day shuttle service open to the public and focused on seniors. Route connects business sites to CalTrain Station and downtown Menlo Park.	\$30,732	\$261,985	Approve
03SM03	Peninsula Congestion Relief Alliance	Provide a comprehensive trip reduction program to employers in San Mateo County. Services include carpool and vanpool formation; and promotion of Emergency Ride Home, Try Transit, and other alternative commute mode programs.	\$736,464	\$109,479	Approve
			Aggregate TFCA C-E	\$83,053	

Notes:

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**Table 1: TFCA County Program Manager  
FY03/04 Project List**

Project Number	Sponsor	Project Description	TFCA Funding Requested	TFCA\$ Cost-Effectiveness Per Ton (1)	Action
<b>SANTA CLARA COUNTY</b>					
03SC00	Santa Clara Valley Transportation Authority	Program Manager costs to administer TFCA funds within the County.	\$141,078	NA	Approve
03SC01	City of Cupertino	Construct a bicycle/pedestrian overcrossing to connect the portions of Mary Ave north and south of I-280.	\$1,114,797	\$430,062	Approve
03SC02	City of Gilroy	Extend the Uvas Creek Class 1 bicycle path an additional 0.6 miles from Thomas Road to the Gilroy Sports Park.	\$363,000	\$284,535	Approve
03SC03	City of Milpitas	Construct a 2.2-mile Class 1 bicycle path along Coyote Creek from Dixon Landing Rd to Milpitas-Alviso Rd.	\$95,000	\$33,313	Approve
03SC04	City of San Jose	Construct 6.5 miles of Class 2 bicycle lanes in the City of San Jose. The lanes are along the following streets: San Fernando St, Almaden Blvd, Woz Way, 4th St, and 11th St.	\$32,245	\$6,610	Approve
03SC05	City of San Jose	Implement coordinated "time of day" signal timing plans for 84 signalized intersections on 10 arterials within the City of San Jose.	\$283,000	\$31,748	Approve
03SC06	Santa Clara Valley Transportation Authority	Provide bus signal priority on VTA Line 22 along King Rd and Tully from Alum Rock to Eastridge Mall. Includes updating signal controllers, associated hardware, and signal software.	\$320,000	\$59,278	Approve
03SC07	Santa Clara Valley Transportation Authority	Operate and expand the shuttle services of 15 gas shuttles on 7 routes from VTA light rail stations to employment sites in Santa Clara County.	\$380,000	\$83,330	Approve
			Aggregate TFCA C-E	\$84,938	

Notes:

(1) TFCA\$ per ton = TFCA\$ divided by the estimated lifetime emission reductions (ozone precursors and particulate matter) for the project. NA = not applicable. Emission reductions are not attributed to administration and clean air vehicle fueling infrastructure.

**Table 1: TFCA County Program Manager  
FY03/04 Project List**

Project Number	Sponsor	Project Description	TFCA Funding Requested	TFCA\$ Cost-Effectiveness Per Ton (1)	Action
<b>SOLANO COUNTY</b>					
03SOL00	Solano Transportation Authority	Program Manager costs to administer TFCA funds within the County.	\$18,760	NA	Approve
03SOL01	City of Benicia	Replace large-paddle inductive charging system with a small-paddle inductive charging system at Benicia City Hall public access charging station.	\$4,000	NA	Approve
03SOL02	City of Fairfield	Replace large-paddle inductive charging system with a small-paddle inductive charging system at Fairfield City Hall public access charging station.	\$4,000	NA	Approve
03SOL03	City of Suisun City	Install 1 small-paddle inductive and 1 conductive charging system at both the Suisun City Amtrack Station Park and Ride Facility, and the Suisun City Community Center.	\$40,000	NA	Approve
03SOL04	City of Vallejo	Replace 1 large-paddle inductive charging system with a small-paddle inductive charging system at Vallejo City Hall and 2 large-paddle inductive charging systems with small-paddle inductive charging systems at the Vallejo Ferry Terminal.	\$12,000	NA	Approve
03SOL05	Solano Transportation Authority	Continue operating 2 natural gas shuttle buses connecting the cities of Fairfield, Vacaville, Dixon, and Davis along Interstate 80.	\$42,065	\$57,312	Approve
03SOL06	STA Solano Napa Commuter Information	Provide a comprehensive ridesharing program. Includes vanpool and carpool services; SolanoLinks Transit Information program; employer services enhancements, tailored service to cities, Guaranteed Return Trip Program, BikeLinks map, and web site information.	\$295,000	\$83,959	Approve
			Aggregate TFCA C-E	\$79,355	

Notes:

(1) TFCA\$ per ton = TFCA\$ divided by the estimated lifetime emission reductions (ozone precursors and particulate matter) for the project. NA = not applicable. Emission reductions are not attributed to administration and clean air vehicle fueling infrastructure.

**Table 1: TFCA County Program Manager  
FY03/04 Project List**

Project Number	Sponsor	Project Description	TFCA Funding Requested	TFCA\$ Cost-Effectiveness Per Ton (1)	Action
<b>SONOMA COUNTY</b>					
03SON00	Sonoma County Transportation Authority	Program Manager costs to administer TFCA funds within the County.	\$30,000	NA	Approve
03SON01	City of Petaluma	Coordinate traffic signals at Petaluma Blvd and East Washington in Petaluma.	\$52,000	\$36,604	Approve
03SON02	City of Petaluma	Extend the lease of 1 electric vehicle for a year's use in the County's fleet.	\$2,000	NA	Approve
03SON03	City of Santa Rosa	Fund a student monthly transit pass subsidy program. The program provides \$10 per pass to reduce the cost from \$25 to \$15 per pass.	\$70,000	\$55,213	Approve
03SON04	City of Santa Rosa	Implement a comprehensive incentive program at medium and large employment sites and regional shopping centers. Includes Guaranteed Ride Home; transit, carpooling, walking, and biking incentives; bicycle safety programs; and bicycle parking facility improvements.	\$159,373	\$147,833	Approve
03SON05	County of Sonoma	Expand natural gas fueling facility by constructing a 30-post slow fill island with compressor to accommodate Sonoma County Transit's increased fleet of natural gas transit coaches.	\$270,000	NA	Approve
			Aggregate TFCA C-E	\$74,705	

Notes:

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**Table 2: TFCA County Program Manager  
FY2003/04 Projects by County and Project Type**

	Alameda	Contra Costa	Marin	Napa	San Francisco	San Mateo	Santa Clara	Solano	Sonoma	Grand Total
<b>Total Available TFCA Funds *</b>	<b>\$2,217,751</b>	<b>\$1,521,787</b>	<b>\$1,091,199</b>	<b>\$214,976</b>	<b>\$1,298,385</b>	<b>\$1,375,007</b>	<b>\$2,879,120</b>	<b>\$415,825</b>	<b>\$708,438</b>	<b>\$11,722,488</b>
Program Administration	\$99,821	\$68,348	\$21,106	\$5,000	\$38,464	\$53,009	\$141,078	\$18,760	\$30,000	\$475,586
Ridesharing Programs	\$605,577	\$1,343,912	\$500,000	\$42,280**	\$45,000	\$736,464	\$0	\$295,000	\$229,373	\$3,797,606
Bicycle Projects	\$266,386	\$36,000	\$0	\$146,127	\$553,000	\$0	\$1,605,042	\$0	\$0	\$2,606,555
Arterial Management	\$220,199	\$0	\$0	\$0	\$0	\$0	\$603,000	\$0	\$52,000	\$875,199
Shuttle/Feeder Bus Service	\$41,474	\$0	\$0	\$0	\$115,000	\$502,276	\$380,000	\$42,065	\$0	\$1,080,815
Clean Fuel Buses	\$0	\$30,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$30,000
Low Emission Light Duty Vehicles	\$0	\$0	\$0	\$0	\$149,000	\$0	\$0	\$0	\$2,000	\$151,000
Reducing Existing Diesel Emission	\$0	\$0	\$0	\$63,000	\$0	\$0	\$0	\$0	\$0	\$63,000
Natural Gas Infrastructure	\$321,242	\$42,526	\$0	\$0	\$100,000	\$0	\$0	\$0	\$270,000	\$733,768
Electric Vehicle Infrastructure	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$60,000	\$0	\$60,000
<b>Total Allocated Funds</b>	<b>\$1,554,699</b>	<b>\$1,520,786</b>	<b>\$521,106</b>	<b>\$256,407</b>	<b>\$1,000,464</b>	<b>\$1,291,749</b>	<b>\$2,729,120</b>	<b>\$415,825</b>	<b>\$583,373</b>	<b>\$9,873,529</b>
Un-Allocated Funds	\$663,052	\$1,001	\$570,093	\$849	\$297,921	\$83,258	\$150,000	\$0	\$125,065	\$1,891,239

\* The total funds available for programming represents the sum of projected calendar year 2003 DMV receipts, interest earned on TFCA funds in calendar year 2002, and funds available for reprogramming from prior year projects that were canceled or completed under budget.

\*\* Funds not included in Napa's total expenditure because they have already been given to the Air District for transfer to MTC.

**Table 2: TFCA County Program Manager  
FY2003/04 Projects by County and Project Type**

Percent
4.8%
38.5%
26.4%
8.9%
10.9%
0.3%
1.5%
0.6%
7.4%
0.6%
100%