

**Bay Area 2004 Ozone Attainment Strategy**  
**Preliminary Draft Control Measure Descriptions**  
**May 13, 2004**

**Introduction**

Air District and MTC staff have evaluated potential control measures for inclusion in the Bay Area 2004 Ozone Strategy. The Air District has evaluated control measures for stationary, mobile and miscellaneous other sources. MTC has taken the lead on evaluating transportation control measures, in consultation with Air District staff.

Staff have presented the evaluations for public review at three meetings of the Ozone Working Group and have made them available on the Air District website. Based on discussions at the OWG, written comments, and further analysis, staff have developed draft control measures for inclusion the Draft Ozone Strategy. The attached materials present preliminary draft control measure descriptions.

**Preliminary Draft Control Measure Descriptions**

The Air District control measure evaluations identified 17 potentially viable measures for stationary and mobile sources. Staff has developed draft control measure descriptions for the potentially viable measures. Stationary source measures will be implemented through revisions to Air District regulations. Mobile source measures will be implemented through incentive programs and public education programs. Preliminary draft control measure descriptions have been completed for the following stationary and mobile source control measures:

STATIONARY SOURCE MEASURES

Industrial – Commercial Processes

- Auto Refinishing
- Graphic Arts Operations
- High Emitting Spray Booths
- Polyester Resin Operations
- Wood Products Coating

Petroleum Products Production and Distribution

- Flares
- Gasoline Bulk Terminals and Plants
- Marine Loading Operations
- Organic Liquid Storage Tanks
- Pressure Relief Devices
- Wastewater Systems

Combustion Processes

- Boilers Rated Between 5 and 10 MM BTU/hr
- Large Water Heaters and Small Boilers
- Stationary Gas Turbines

## MOBILE SOURCE MEASURES

- Diesel Equipment Idling Ordinance
- Green Contracting
- Low-Emission Vehicle Incentives

MTC has evaluated enhancements to transportation control measures covering a wide range of travel behavior and systems management concepts. Based on the evaluations and public input, MTC staff, in consultation with District staff, have prepared draft TCM descriptions. The TCMs address State ozone planning requirements for the Bay Area. TCMs adopted by MTC for federal air quality planning will be identified separately in the Ozone Strategy, in the section addressing national ozone planning requirements. TCMs will be implemented through State, regional and local funding processes, incentive programs, outreach and public education, and other programs. Preliminary draft descriptions have been completed for the following TCMs:

## TRANSPORTATION CONTROL MEASURES

TCM 1	Support Voluntary Employer Based Trip Reduction Programs
TCM 3	Improve Local and Areawide Bus Service
TCM 4	Improve Regional Rail Service
TCM 5	Improve Access to Rail and Ferries
TCM 6	Improve Interregional Rail Service
TCM 7	Improve Ferry Service
TCM 8	Construct Carpool/Express Bus Lanes on Freeways
TCM 9	Improve Bicycle Access and Facilities
TCM 10	Youth Transportation
TCM 11	Install Freeway Traffic Management System
TCM 12	Arterial Management Measures
TCM 13	Transit Use Incentives
TCM 14	Carpool and Vanpool Services and Incentives
TCM 15	Local Land Use Planning and Development Strategies
TCM 16	Public Education/Intermittent Control Measures
TCM 17	Conduct Demonstration Projects
TCM 18	Transportation Pricing Reform
TCM 19	Improve Pedestrian Access and Facilities
TCM 20	Promote Traffic Calming

## **Further Study Measures**

In addition to these stationary and mobile source measures and TCMs, staff identified a number of measures that require further study to determine whether they are viable. Staff will analyze the further study measures for cost-effectiveness, technical feasibility and other factors to determine whether they are feasible for future air quality strategies. Potential further study measures include the following:

## STATIONARY SOURCE FURTHER STUDY MEASURES

### Industrial – Commercial Processes

- Adhesives and Sealants\*
- Architectural Coatings
- Commercial Charbroilers
- Composting Operations
- Food Product Manufacturing and Processing
- Livestock Waste
- Limitations on Solvents Based On Relative Reactivity
- Solvent Cleaning and Degreasing\*

### Petroleum Products Production and Distribution

- Emissions From Cooling Towers
- Refinery Wastewater Treatment Systems
- Vacuum Trucks
- Valves and Flanges\*
- Wastewater From Coke-Cutting Operations

### Combustion Processes

- BackUp Diesel Generators / Cumulative Risk\*
- NOx Reductions From Glass Melting Furnaces
- Stationary Internal Combustion Engines

## MOBILE SOURCE FURTHER STUDY MEASURES

- Encourage Use of Biodiesel Fuel\*
- Mitigation Fee Program for Federal Sources\*

## TRANSPORTATION CONTROL MEASURES

- Indirect Source Mitigation Program\*
- Free Transit on Spare the Air Days\*

\* These further study measures are under development.

## **Next Steps**

Air District and MTC staff invite public discussion and input on the preliminary draft control measure descriptions and further study measure descriptions. Staff will consider public input, and conduct further analysis where necessary, in order to develop proposed control measures and further study measures for inclusion in the Draft 2004 Ozone Strategy. The Draft 2004 Ozone Strategy will be available for public review in Summer, 2004.