

2003 MAG Conformity Analysis

Management Committee

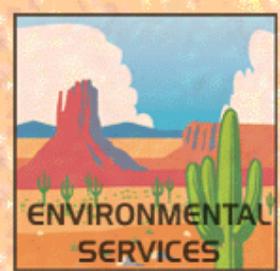
November 5, 2003



The logo for Environmental Services features a stylized desert landscape with a red rock formation, green cacti, and a blue sky with clouds. The text "ENVIRONMENTAL SERVICES" is written in a bold, sans-serif font at the bottom of the logo.

Air Quality Conformity

- **Transportation and air quality are linked**
- **Clean Air Act requires transportation plans, programs, and projects to conform to the purpose of the air quality plans**
- **Ensures that transportation activities do not cause violations of the air quality standards**
- **Air quality plans set motor vehicle emissions budgets**



Air Quality Plans With EPA Approved Emissions Budgets

- **Revised MAG 1999 Serious Area Particulate Plan for PM-10**
- **Carbon Monoxide Redesignation Request and Maintenance Plan**
- **15% Rate of Progress Federal Implementation Plan for Ozone**

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Conformity Requirements

- **All major transportation projects must be included in the TIP and Regional Transportation Plan**
- **TIP and Regional Transportation Plan must pass an emissions budget test, or an emissions reduction test**
- **Latest planning assumptions and emission models**
- **Timely implementation of transportation control measures**
- **Consultation - Plans, projects methodologies and processes**

2006 Regional PM-10 Emissions Reflecting Committed Control Measures



Area Sources 20.2% (Percent Total Emissions)

- Disturbed Vacant Land and Agricultural Windblown Dust 12.4%
- Agricultural Dust 2.9%
- Other Area Sources 3.9%
- Residential Wood Burning 1.0%

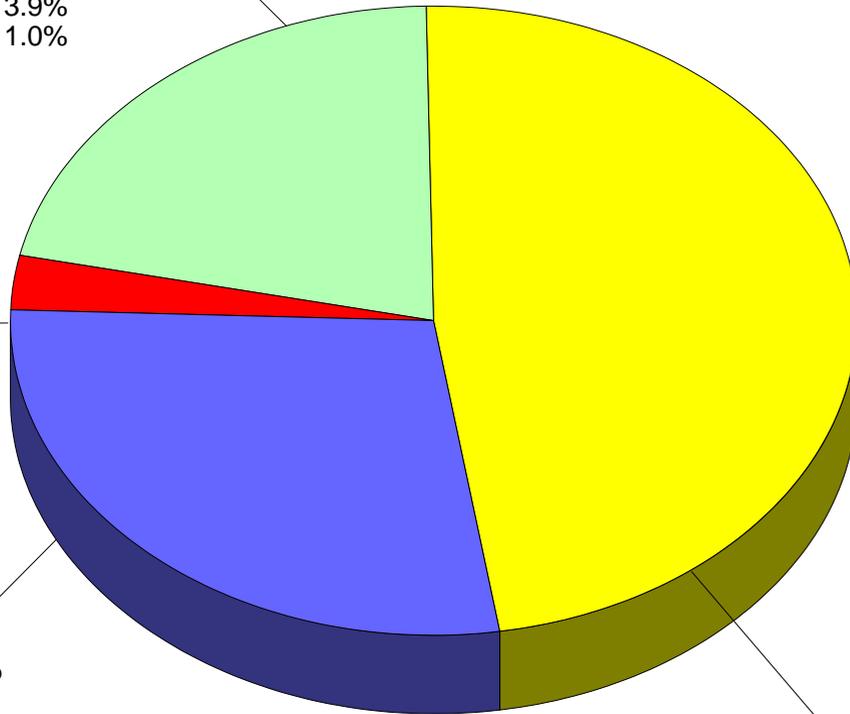
Point Sources 2.5%

Nonroad Sources 32.1%

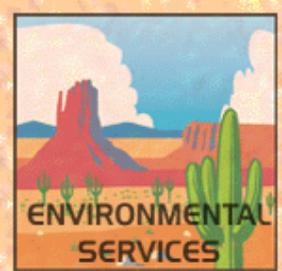
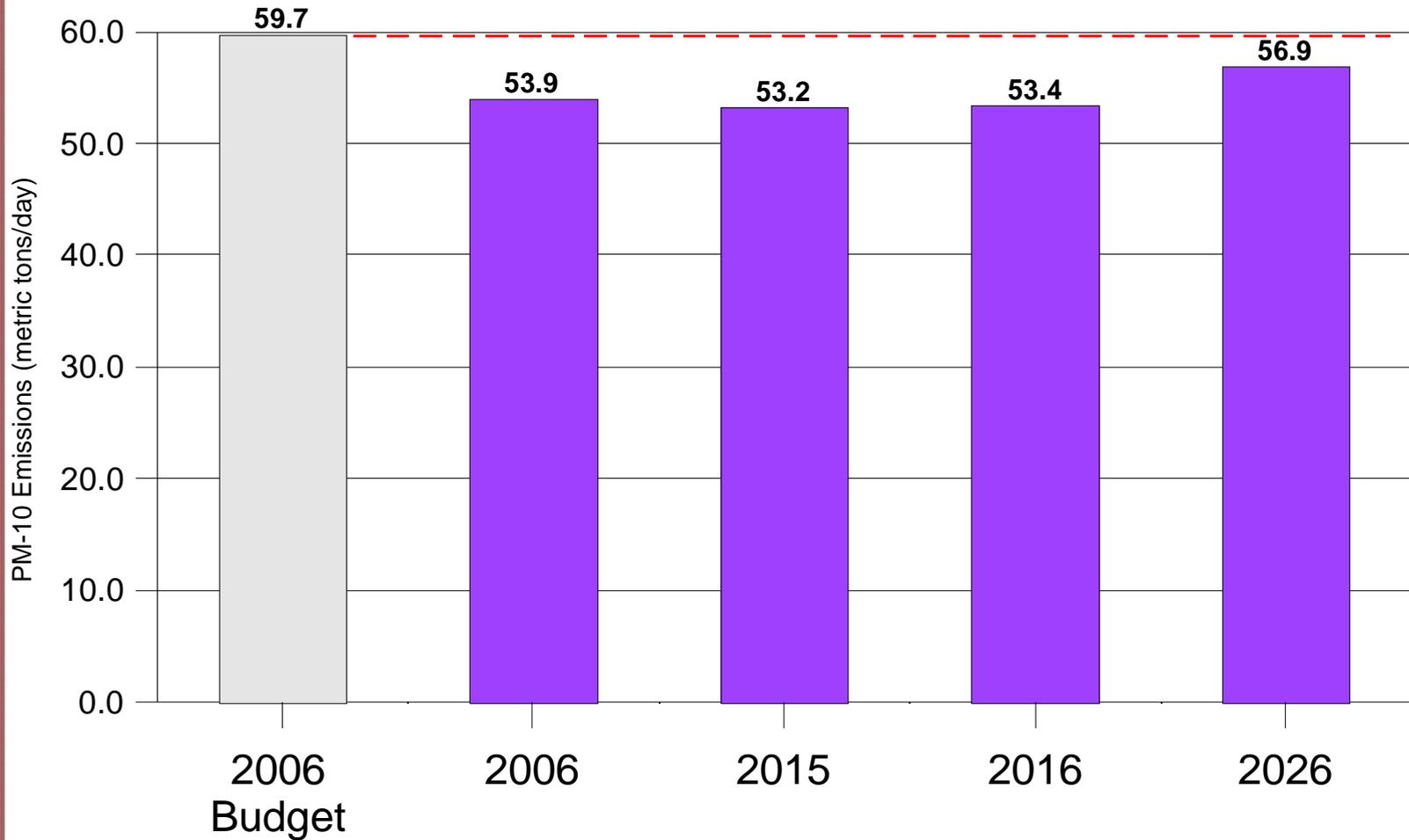
- Construction/Earth Moving Dust 14.5%
- Construction Trackout 8.2%
- Nonroad Engine Exhaust 7.8%
- Construction Windblown Dust 1.6%

Onroad Sources 45.2%

- Paved Road Dust 31.2%
- Unpaved Road Dust 11.9%
- Onroad Vehicle Exhaust 2.1%

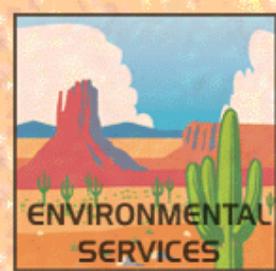
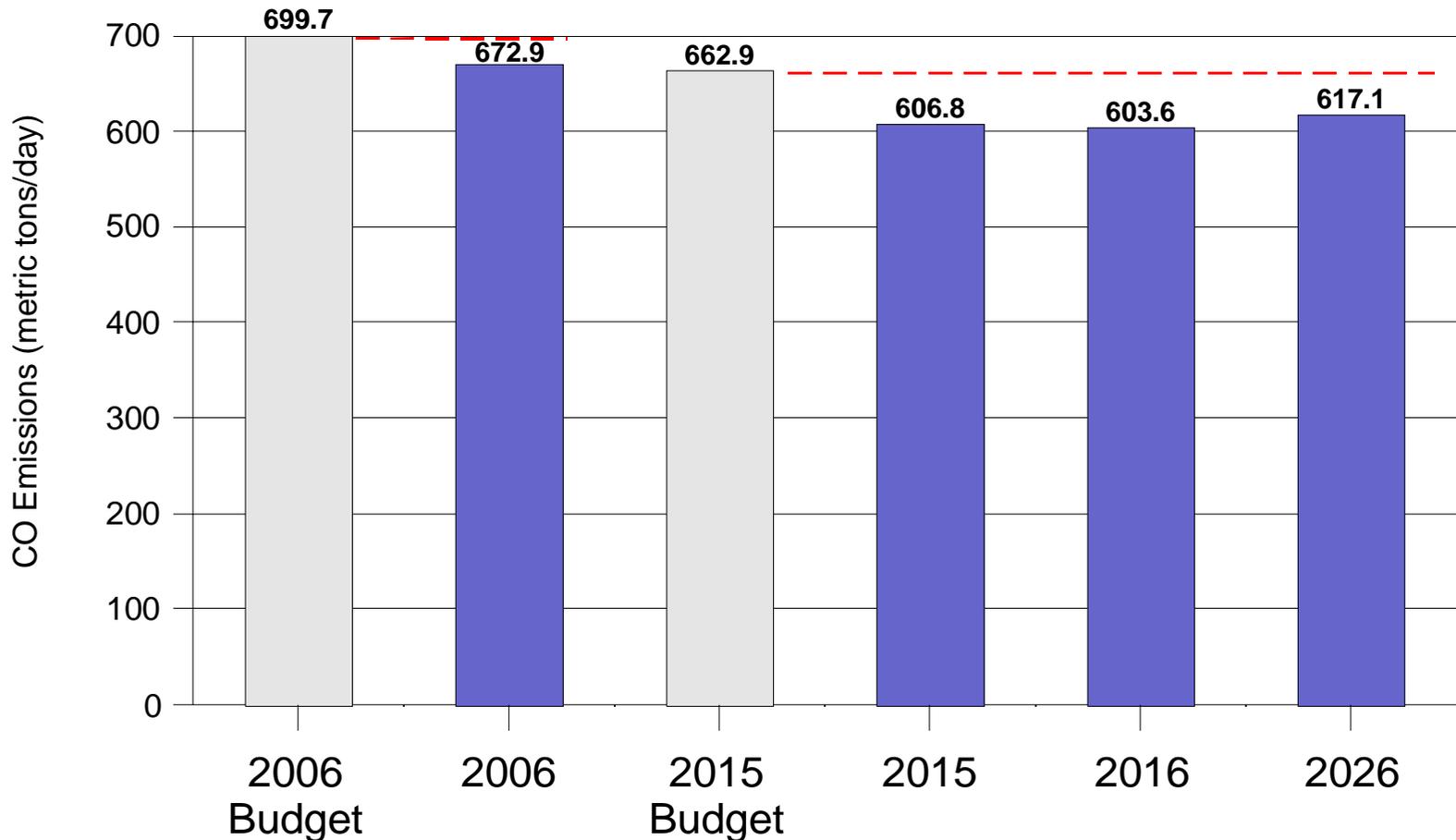


PM-10 Results for Conformity Budget Test



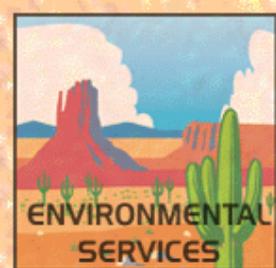
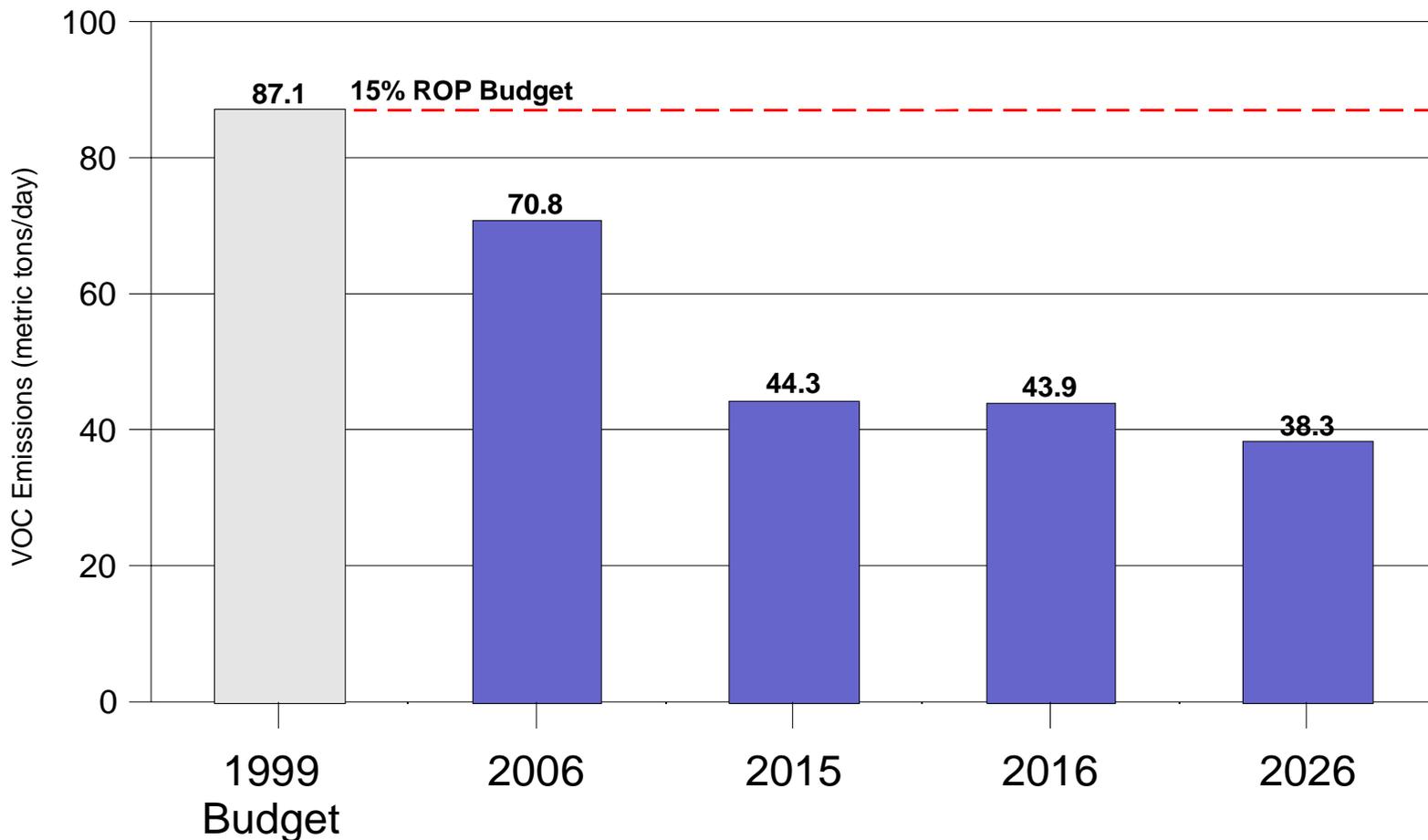
Carbon Monoxide Results for Conformity Budget Test

December 16, 1994
Design Day Conditions



Ozone (VOC) Results for Conformity Budget Test

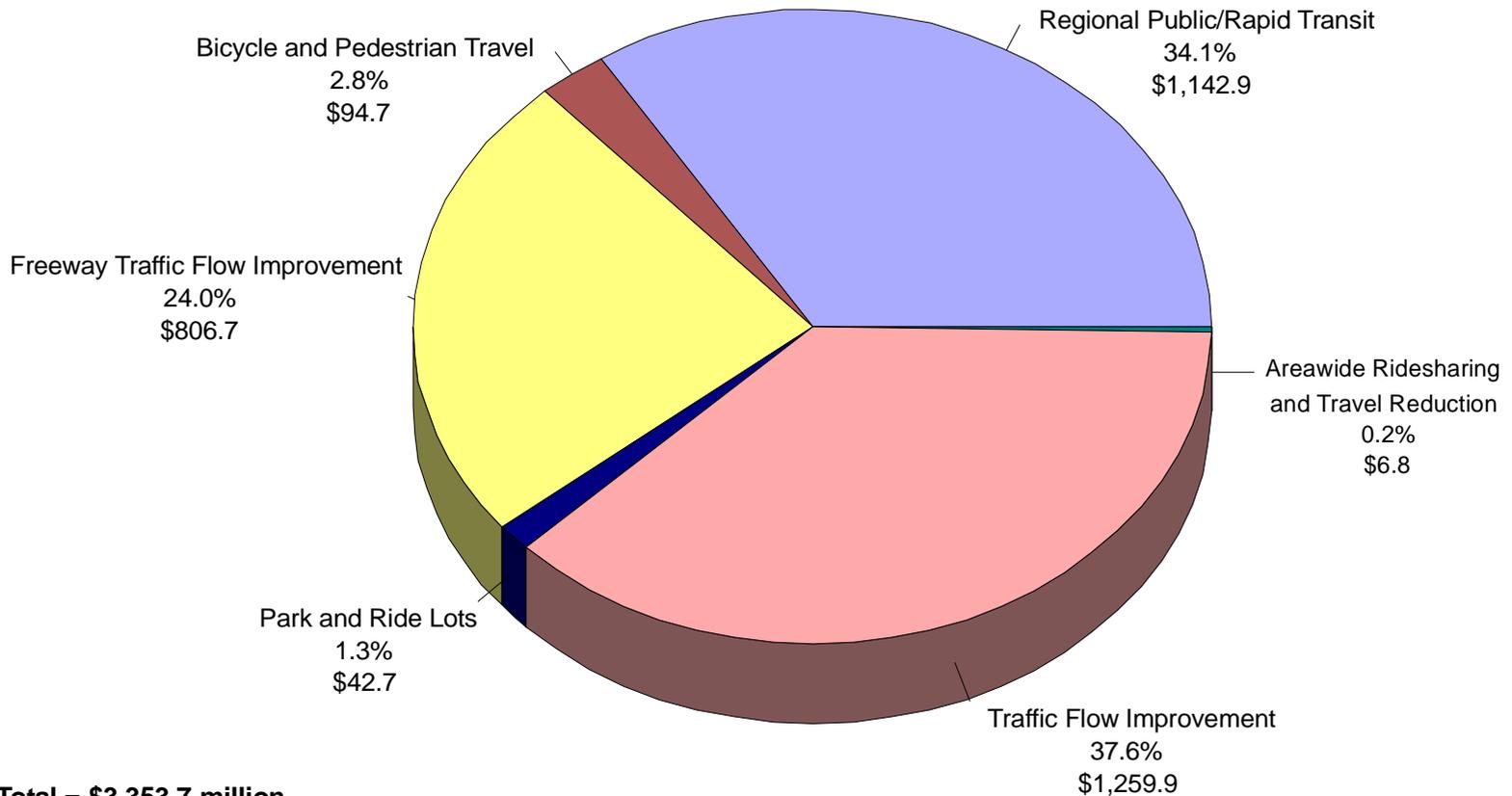
Average Summer (Ozone)
Season Day



Transportation Control Measure Funding

In the FY 2004-2007 MAG Transportation Improvement Program

Figures are in millions of dollars



Total = \$3,353.7 million.

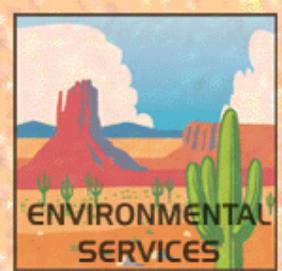
An additional \$20.6 million is programmed for paving of streets, shoulders, and alleys and \$5.8 million is allocated for the purchase of PM-10 efficient street sweepers.



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Conformity Schedule

- **Oct. 23, 2003 - Documents available for 30 day public review**
- **Nov. 12, 2003 - Transportation Policy Committee presentation**
- **Nov. 21, 2003 - Public Hearing**
- **Nov. 24, 2003 - Air Quality Technical Advisory Committee recommendation**
- **Nov. 25, 2003 - Regional Council approval**



For more information

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