



Public Fleet Rules Public Workshop

April 3, 2003
El Monte

California Environmental Protection Agency



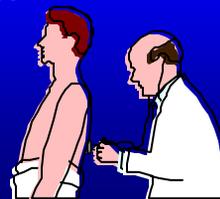
Air Resources Board

BACKGROUND

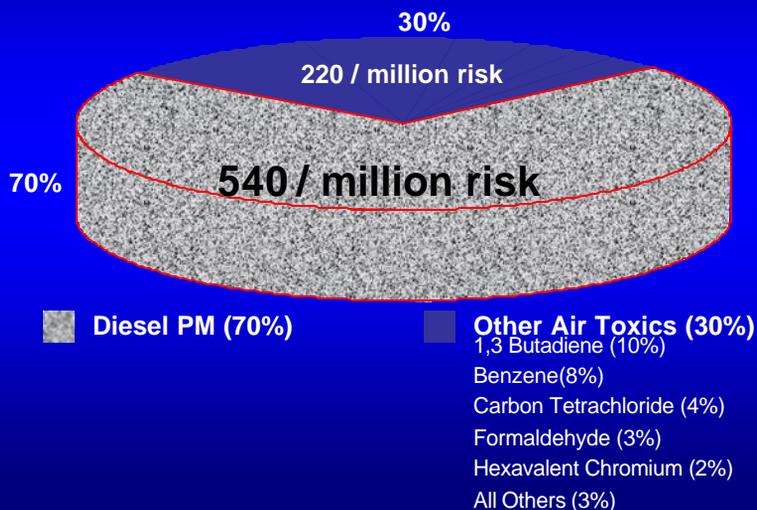
Diesel PM as a Toxic Air Contaminant

PARTICULATE MATTER

- Increases Lung Cancer
- Increases Asthma Attacks
- Aggravates Bronchitis
- Contributes to Premature Death in those with existing Heart & Lung Disease

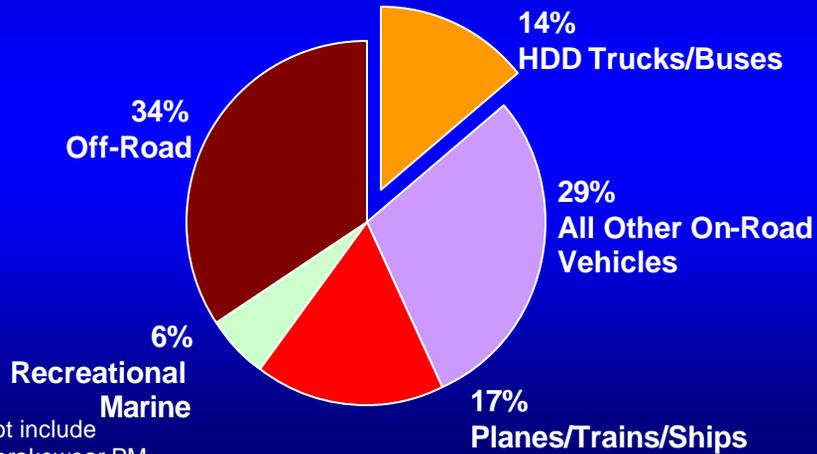


70% of Air Toxic Risk is From Diesels



Statewide Mobile Source PM10 Emissions - 2001

123 tons per day*



Diesel PM is a Toxic Air Contaminant

- Identification
 - August 1998
- Diesel Risk Reduction Plan
 - September 2000
- Airborne Toxic Control Measures
 - Ongoing



DIESEL RISK REDUCTION PLAN - 2000

- On-Road Measures
 - Solid Waste Collection Vehicles
 - Public HDV Fleets
 - Private HDV Fleets, incl. cargo fuel tankers
- Off-Road Measures
- Diesel PM Reduced 85% from 90% of Vehicles (Expected) by 2020

SIP MEASURES: PM RETROFIT

- ON-ROAD HVY-DUTY-3
 - Adopt 2003-2005; Implement 2004-2010
- OFF-ROAD CI-2
 - Adopt 2004-2008; Implement 2006-2010
- ROG and NOx Reductions Accompany PM Reductions

Proposed Rulemaking Schedule - Mobile Sources

- Board Adoption Dates:
 - June 2003 for solid waste collection vehicles
 - November 2003 for public fleets & fuel delivery tanker trucks
 - 2004 for public off-road fleets
 - 2005 for private on- and off-road fleets

**PROPOSED RULE
CONCEPTS:
PUBLIC ON-ROAD
FLEETS**

NEW DEFINITIONS

- Municipal Active Fleet - owned by municipality
- Municipal Contract Fleet - operated under contract to municipality
- Non-Urban Bus - non-urban buses with MHD and HHD engines, operated by transit agencies. NOT schools or private bus companies.

MUNICIPALITY: BACT

- BACT Required for both Active & Contract Fleets
 - Engine Certified to 0.01 g/bhp-hr PM
 - Alternative-fuel, or Heavy-Duty Pilot Ignition Engine Certified to Lowest Optional PM Standard
 - Retrofit with Highest Level Verified DECS, for specific engine and vehicle combination
 - Once in Compliance Always In Compliance

MUNICIPALITY: IMPLEMENTATION

- Municipal Implementation Schedule
 - Phase-in by Engine Model Year
 - Different Phase-in for Active and Contract Fleets

MUNICIPAL ACTIVE FLEET

<u>Group</u>	<u>Model Yr.</u>	<u>%BACT</u>	<u>Deadline</u>
1	1988-2002	25	12/31/05
		50	12/31/06
		75	12/31/07
		100	12/31/08
2	1960-1987	100	12/31/09
3	2003-2006	100	12/31/09

MUNICIPAL FLEETS: FUEL

- Fuel Requirement for both Active & Contract Fleets
 - As of 12/31/2004, must use ultra-low sulfur diesel fuel, or
 - May use fuel verified as a DECS
 - Municipality with <15 active fleet vehicles and operating in a federal one-hr ozone attainment area may delay to 7/1/2006

MUNICIPALITY: COMPLIANCE EXTENSIONS

- No Verified DECS
 - Automatic if no DECS Verified for Engine Family ten months prior
 - May Apply for Exemption if no DECS Verified or Commercially Available 6 months prior
- 1-Hr Ozone Attainment Area Municipality May Delay Group 1 to 100% Date

MUNICIPALITY: SPECIAL CIRCUMSTANCES

- DECS Failure
 - DECS Failure/Damage During Warranty
 - DECS Failure/Damage Outside Warranty
 - Repairable Malfunction
- Discontinuation of Fuel DECS
- Level 1 DECS Has Limited Life
- Engine Retirement within One Year
- Participation in Experiment/Demonstration

MUNICIPAL CONTRACT FLEET

<u>Group</u>	<u>Model Yrs.</u>	<u>Deadline</u>
1	1988-2002	12/31/06
2	1960-1987	12/31/07
3	2003-2006	12/31/09

MUNICIPAL CONTRACT FLEET

- No Compliance Extensions Proposed
- Special Circumstances
 - DECS Failure
 - Discontinuation of Fuel DECS
 - Level 1 Limited Life

MUNICIPALITY RECORDKEEPING

- Records Kept On-Site for Active Fleet
- Records Kept in Truck Both Active & Contract Fleet
- Annual Reporting Required
 - List of Active Fleet Vehicles
 - List of Contractors and Contract Vehicles
 - Annual Signed Compliance Statement

**PROPOSED RULE
CONCEPTS:
TRANSIT AGENCY
NON-URBAN BUSES**

NON-URBAN BUSES

- Transit agency is a public entity responsible for administering & managing transit services
- Transit Agency Implementation
 - Total PM Reduction by Transit Agency Fleet
 - Same Method as for Urban Buses
 - Different Implementation Schedule

NON-URBAN BUSES

<u>Year</u>	<u>% Reduction</u>
1/1/2005	Baseline
1/1/2006	25
1/1/2008	50
1/1/2011	80

TRANSIT AGENCY NON-URBAN BUSES

- Reporting Requirements Mirror Existing Rule
- Initial Report of Baseline Due 1/31/2005
- Annual Reports of Reductions Due Each 1/31 through 2011.

NEXT STEPS

- Notice of Public Workshop 03/03/03
- Public Workshop 04/03/03
- Comments Requested by 04/18/03

- Board Hearing 11/13/03

COMMENTS REQUESTED

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Our Goals: Clean Air



And Healthy Citizens