

AGENDA ITEM 94-12-4

**NOTICE OF PUBLIC HEARING TO CONSIDER DELAYING IMPLEMENTATION OF
THE PERIODIC SMOKE SELF-INSPECTION PROGRAM FOR HEAVY-DUTY DIESEL-
POWERED VEHICLE FLEETS**

Copies of the slide presentation which supported the Air Resources Board's oral staff presentation given by Ms. Su Nathan, as reflected on page 4 of the transcript.

Attachments

STATE OF CALIFORNIA AIR RESOURCES BOARD

REGULATORY PROPOSAL TO AMEND THE IMPLEMENTATION
DATE OF THE PERIODIC SMOKE SELF-INSPECTION PROGRAM
FOR HEAVY-DUTY DIESEL-POWERED VEHICLE FLEETS

DECEMBER, 1994
SACRAMENTO, CA

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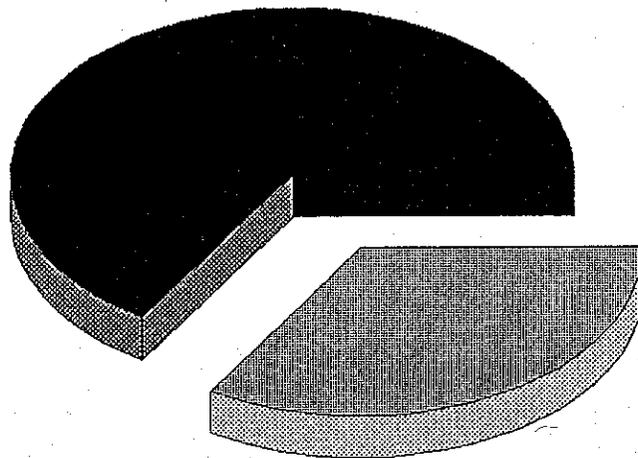
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HEAVY-DUTY DIESEL EMISSIONS

% Contribution to NOx and PM Inventories

Other On-Road

66%

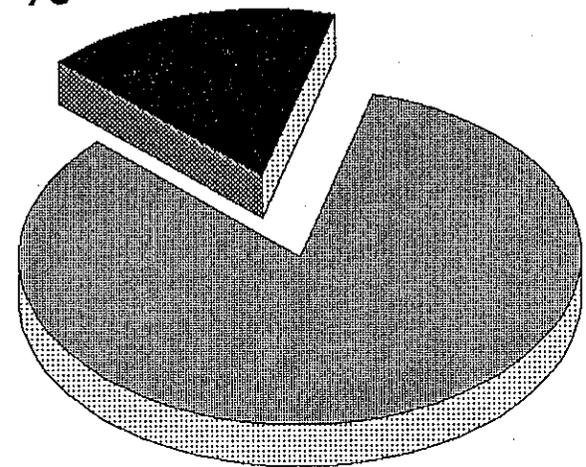


HDD
34%

NOx

Other On-Road

17%



HDD
83%

Exhaust PM

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OWNER PRACTICES CAUSE EXCESSIVE SMOKE

- MALMAINTENANCE
- TAMPERING

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STATE LEGISLATURE

- **SENATE BILL 1997: ROADSIDE SMOKE INSPECTION PROGRAM**
BOARD ADOPTED REGULATIONS NOVEMBER 1990
IMPLEMENTED NOVEMBER 1991
- **SENATE BILL 2330: PERIODIC SMOKE SELF-INSPECTION PROGRAM**
BOARD ADOPTED REGULATIONS DECEMBER 1992
IMPLEMENTATION DATE - JANUARY 1, 1995

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THE ROADSIDE PROGRAM

- BEGAN NOVEMBER 1991
- ARB STAFF CONDUCTS INSPECTIONS
- ALL HEAVY-DUTY VEHICLES
- SNAP-IDLE TEST
- SMOKE METER & CHART RECORDER
- 40%/55% PEAK OPACITY STANDARDS
- EXCESSIVE SMOKE CITATIONS
- TAMPERING INSPECTIONS
- \$300 TO \$1800 PENALTIES
- PROOF OF REPAIRS

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PERIODIC SMOKE INSPECTION PROGRAM

- COMPLEMENTS & STRENGTHENS HDDV SMOKE REDUCTION
- ROADSIDE SMOKE INSPECTION PROGRAM
 - HIGHWAY WEIGH STATIONS
 - INTERSTATE TRUCKS & BUSES
- PERIODIC SMOKE INSPECTION PROGRAM
 - FLEET LOCATIONS
 - LOCALLY OPERATING TRUCKS & BUSES

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VEHICLE APPLICATION

- VEHICLES OVER 6,000 LBS GVWR
- CALIFORNIA BASED FLEETS
- FLEETS OF 2 OR MORE VEHICLES

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OWNER REQUIREMENTS

- ANNUAL SMOKE TESTS
- REPAIRS REQUIRED
- RETEST
- RECORDING TEST & REPAIR DATA
- RECORD KEEPING

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PERIODIC SMOKE SELF-INSPECTION PROGRAM BOARD HEARING DECEMBER 1992

- IMPLEMENTATION DATE OF JANUARY 1, 1995
- SOCIETY OF AUTOMOTIVE ENGINEERS
DEVELOPMENT OF SAE J1667
- ARB EVALUATION OF SAE J1667
- PUBLIC OUTREACH EFFORT

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ASSEMBLY BILL 584

- MODIFIES ROADSIDE PROGRAM
- SPECIFIES THE USE OF OF SMOKE MEASUREMENT EQUIPMENT
 - Produce Consistent and Repeatable Results
 - No False Test Failures

REQUIREMENTS SATISFIED BY SAE J1667

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SAE RECOMMENDED PRACTICE J1667

- STATE OF ENGINE MAINTENANCE
- EMISSION CONTROL TAMPERING
- EVALUATES LEVEL OF SMOKE EMISSIONS

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SAE J1667 IMPROVEMENTS

- STANDARDIZED OPACITY SAMPLING METHODOLOGY
- REFERENCE OPACITY METER RESPONSE SPECIFICATIONS
- OPACITY METER PERFORMANCE ACCEPTANCE TEST CRITERIA
- TESTING GUIDELINES FOR DIFFERENT EXHAUST SYSTEM CONFIGURATIONS
- POSSIBLE ALTITUDE OPACITY CORRECTION

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WORK TO BE DONE

- EVALUATION OF SAE J1667
FOR COMPLIANCE WITH AB 584 MANDATES
(ARB) JANUARY-MAY 1995
- SAE J1667 FINAL APPROVAL
(SAE) SUMMER 1995

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WORK TO BE DONE (Cont.)

- BOARD HEARING FOR SAE J1667 ADOPTION FALL 1995
- J1667 OPACITY METER MARKET AVAILABILITY FLEETS TO PURCHASE J1667 METERS SUMMER 1995 TO JULY 1996
- PERIODIC SMOKE INSPECTION IMPLEMENTATION JULY 1996

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STAFF RECOMMENDATION

ADOPT PROPOSAL:

DELAY IMPLEMENTATION OF THE PERIODIC SMOKE

SELF-INSPECTION PROGRAM FROM JANUARY 1, 1995 TO

JULY 1, 1996

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