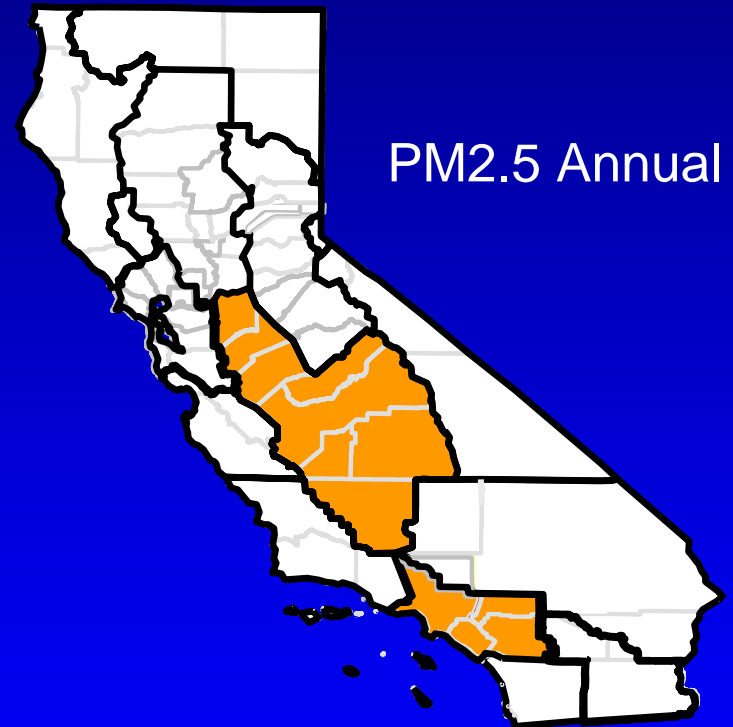
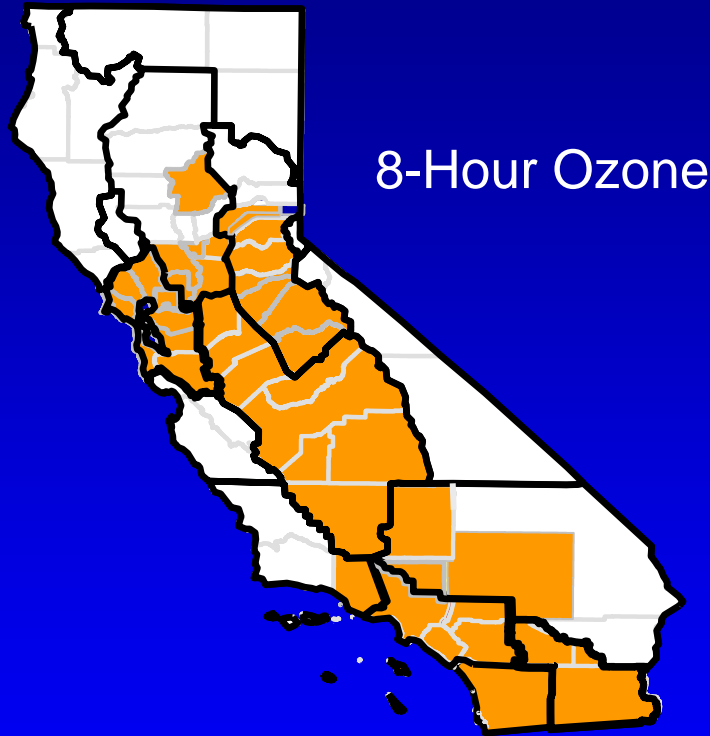




Reducing Particulate Matter Emissions from On-Road Heavy Duty Diesel- Fueled Vehicles Owned Or Operated By Public Agencies And Utilities



Area Designations for National Ambient Air Quality Standards for Ozone and PM2.5



■ Nonattainment
■ Unclassified/Attainment

■ Nonattainment
■ Unclassified/Attainment

Significant Health Impacts Attributed to Diesel PM

- 2,900 premature deaths compared to 3,700 car accident deaths and 2,000 homicides in 2001



- 2,500 chronic bronchitis cases
- 240,000 asthma attacks and respiratory symptoms
- 3,600 hospital admissions
- 600,000 lost work days
- 3.2 million minor restricted activity days

Diesel Risk Reduction Plan

- **Adopted 2000**
 - 75 percent risk reduction by 2010
 - 85 percent risk reduction by 2020
- **Multiple Strategies:**
 - Stringent new engine standards
 - Cleaner diesel fuel (<15 ppm sulfur)
 - Ensure in-use emissions performance
 - Aggressive reductions from in-use engines

Fleet Rule For Public Agencies and Utilities

Scope and Applicability

- Effective January 5, 2007
- Vehicles owned, leased, or operated by a municipality or utility
- On-road diesel vehicles over 14,000 GVWR
- Medium heavy-duty and heavy heavy-duty engines
- 1960 to 2006 model-year engines

Vehicles Exempt From Rule

- Emergency vehicles
- Military tactical support vehicles
- Off-road vehicles
- School buses
- Solid waste collection vehicles
- Public transit buses
- Federal fleet vehicles
- Dedicated snow removal vehicles

On-Road Covered



Off-Road NOT Covered



Major Elements of the Fleet Rule for Public Agencies and Utilities

- Apply BACT to each engine in engine model year group
- Follow specific implementation schedule based on engine model-year
- Keep records for and label each vehicle
- Remain in compliance

Best Available Control Technology (BACT)

- Engine certified to 0.01 g/bhp-hr PM standard (2007 engine) or
- Engine certified to 0.10 g/bhp-hr PM and retrofit with highest level verified diesel emission control strategy (DECS) or
- Alternative-fuel, gasoline, or heavy-duty pilot ignition engine certified to lowest optional PM standard or
- Existing engine retrofitted with highest level verified DECS

Implementation Schedule for All Fleets

Group	Engine Model-Years	Percentage of Group to use BACT	Compliance Deadline as of December 31
1 ^a	1960 - 1987	20%	2007
		60%	2009
		100%	2011
2	1988 - 2002	20%	2007
		60%	2009
		100%	2011
3	2003 – 2006 (Includes all dual-fuel and bi-fuel engines)	50%	2009
		100%	2010

^a An owner may not use a Level 1 technology as BACT on Group 1 engines

Retired Vehicle

- **Section 2022(b)(5)**
 - Sold outside of California
 - Meets BACT requirement if transferred to a fleet within California
 - Engine dismantled for scrap
 - Converted for use as a low usage or low-population low usage vehicle
 - Keep records to document retirement

Extensions to Deadlines

- Compliance extensions provided, section 2022.1(d)(1) through (6)
 - May require an application
- Special circumstances, section 2022.1(e)(1) through (4)

Required Records (by December 31, 2007)

- **Fleet vehicle records**
 - Individual records by vehicle
 - Kept centrally
 - Available for inspection by appointment
- **Vehicle labels**
 - Door jamb, or
 - Location known by driver
 - Durable and legible
- **Compliance statement**
 - Statement certifying engines are in compliance as required

Contractor Compliance Requirements

- **Section 2022.1 (g)**
 - Contracts with an effective date of December 31, 2007 or later
 - Contractor must comply with all federal, state, and local air pollution control laws and regulations applicable to the contractor

Non-Compliance

- Section 2022.1(h)
 - Violations may carry civil penalties as specified by state law
 - Failure to keep required vehicle records
 - ▶ may be subject to a \$100 fine for each day records are not kept
 - Failure to label vehicles
 - ▶ may be subject to a \$100 fine per vehicle for each day labels are not kept

Contact Information

Fleet Rule for Public Agencies and Utilities

www.arb.ca.gov/msprog/publicfleets/publicfleets.htm

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Other Contact Information

Diesel Programs

<http://www.arb.ca.gov/diesel/diesel.htm>

Regulations in Development

Off-Road Equipment (In-Use) Control Measure

<http://arb.ca.gov/msprog/ordiesel/ordiesel.htm>

Private On-Road Vehicles (In-Use) Control

<http://arb.ca.gov/msprog/onrdiesel/onrdiesel.htm>

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Questions ?

