

Transit Bus Rule for the South Coast



**September 15 - 16, 2005
Board Hearing
Diamond Bar, CA**

California Environmental Protection Agency
AIR RESOURCES BOARD

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South Coast Rule 1192

- Adopted 2000
- Alt Fuel Purchase/Lease Requirement Beginning 2001
- Applies to Public Transit Fleets With
 - 15 or More Transit Vehicles
 - \geq 14,000 lbs. GVWR
- Enforcement of Rule 1192 Occurring

California Environmental Protection Agency
AIR RESOURCES BOARD

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ARB's Existing Fleet Rule For Transit Agencies

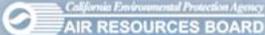
- Non-revocable Diesel/Alt Fuel Path Selection
- Ultra-low Sulfur Fuel
- 4.8 g/bhp-hr NOx Average
- Multiple Stage PM Reduction
- ZEB Demo and Purchase Requirement

ARB's Amendment

- Urban Buses
- Alternative Fuel Path is Mandatory in South Coast
- Beginning 1/1/2006 Through 2015
- Follow Alternative Fuel Path PM and ZEB Deadlines

SC Transit Agencies Affected

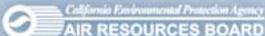
<p>Alternative Fuel Path</p> <div style="border: 1px solid blue; padding: 5px; width: fit-content; margin: 10px auto;"> <p>Commerce Culver City Foothill Glendale L.A. MTA L.A. DOT Omnitrans Orange County Riverside Santa Monica Sun Line</p> </div>	<p>Diesel Path*</p> <div style="border: 1px solid blue; padding: 5px; width: fit-content; margin: 10px auto;"> <p>Gardena Long Beach Montebello Norwalk Santa Clarita Torrance</p> </div> <p style="text-align: center; margin-top: 20px;">*Operate 10% of the Buses.</p>
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Emission Benefits and Cost Effectiveness

- Emission Benefits in 2010
 - Beyond District Rule 1192: 0 tpd NOx
 - ARB stand-alone*: 0.13 tpd NOx
- Cost Effectiveness: \$10,784/ton of NOx reduced

* Assumes Federal Waiver Granted


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Issues

- Alternative Fuel Mandate
- Potential for Slower Turnover

Options for Board Consideration

- Adopt Amendment; Seek Waiver
- No Action; District Continues to Enforce the Local Rule