Welcome

Reducing Emissions from Trucks Operating at California’s Ports and Rail Yards

Town Hall Meeting
January 31, 2007

Air Resources Board
California Environmental Protection Agency
Agenda

- Introductions
- Goals/objectives
- Background
- Regulation concept
- Implementation concept
- Future meetings
- Discussion
Goals/Objective

- Why a port truck regulation?
  - Administrative directive
  - Part of overall goods movement plan
  - Recognized as a main emission source

- Meeting goals/objectives
  - Devise a regulation that works
  - Meet with stakeholders
  - Implementation & enforcement
Previous Meetings

- Previous meetings
  - Ports - all in California
  - Rail Yards – all intermodal
  - Trucks – all
  - Discussed responsibilities
- Issues
  - Large port truck fleet
  - Dray-off
  - Economics
**Regulation Concept**

### Phase 1 Deployment

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<tr>
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<th>Replace Truck</th>
<th>Retrofit</th>
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Note: Trucks are replaced because NO VDECS exists for the model year. Should a VDECS be verified, owners can choose to install a VDECS instead of replacement.

VDECS: CARB Verified Diesel Emission Control Strategy

### Phase 1

- **By end of 2017**
  - Pre-2003 MY trucks would be retired and replaced with trucks that meet or exceed 2010 federal engine standards

### Phase 2

- **By end of 2019**
  - Pre-2007 MY trucks would be retired and replaced with trucks that meet or exceed 2010 federal engine standards

- **Trucks Entering Service through 2011**
  - Meet or exceed 2003 federal engine standards with a DPF

- **Trucks Entering Service 2012 - 2014**
  - Meet or exceed 2007 federal engine standards

- **Trucks Entering Service 2015 and later**
  - Meet or exceed 2010 federal engine standards
## Phase 1

### PHASE 1 DEPLOYMENT

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VDECS: CARB Verified Diesel Emission Control Strategy

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PHASE 1

- **Trucks New to Service**
  - By end of 2017: Pre-2003 MY trucks would be retired and replaced with trucks that meet or exceed 2010 federal engine standards.
- **Existing Fleet**
  - By end of 2019: Pre-2007 MY trucks would be retired and replaced with trucks that meet or exceed 2010 federal engine standards.
  - **Trucks Entering Service through 2011**
    - Meet or exceed 2003 federal engine standards with a DPF.
  - **Trucks Entering Service 2012 - 2014**
    - Meet or exceed 2007 federal engine standards.
  - **Trucks Entering Service 2015 and later**
    - Meet or exceed 2010 federal engine standards.
Phase 2

- **By end of 2017**
  Pre-2003 MY trucks would be retired and replaced with trucks that meet or exceed 2010 federal engine standards

- **By end of 2019**
  Pre-2007 MY trucks would be retired and replaced with trucks that meet or exceed 2010 federal engine standards
Trucks New to Service

- **Trucks Entering Service through 2011**
  Meet or exceed 2003 federal engine standards with a DPF

- **Trucks Entering Service 2012 - 2014**
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Technologies

- Retrofit Technologies
  - Verification of Diesel Emission Control Strategies

- Hardware Diesel Emission Control Strategies:
  - Diesel Particulate Filters:
    - Passive
    - Active
  - NOx Catalyst
Implementation Concept

Unique implementation concept

Terminal Operators Rail Yards
- Collect and provide license plate, PMC and shipping company information

Shipping Companies
- Contract with only approved PMCs
- Can be fined for using non-approved PMCs

Primary Motor Carriers (PMC)
- Ensure dispatched trucks are compliant
- Submit list of compliant trucks
- Can be fined for non-compliant trucks

ARB
- Primary enforcement entity
- Utilize plate and registration information
- Inspections
- Outreach
- Collect and maintain information as required
- Maintain list of approved motor carriers and compliant trucks
Implementation Concept (cont.)

Terminal Operators
Rail yards

- Collect and provide license plate, PMC and shipping company information
Implementation Concept (cont.)

Shipping Company:
Any company of any size or type that contracts with motor carriers or dispatchers to provide trucks to be used at the ports or rail yards

- Contract with only approved PMCs
- Can be fined for using non-approved PMCs
Implementation Concept (cont.)

Primary Motor Carriers

- Ensure dispatched trucks are compliant
- Submit list of compliant trucks
- Can be fined for non-compliant trucks
Implementation Concept (cont.)

- Primary enforcement entity
- Utilize plate and registration information
- Inspections
- Coordinate with ports
- Outreach
- Collect and maintain information as required
- Maintain list of approved motor carriers and compliant trucks
ARB’s Two Truck Measures

Port/Intermodal
November 2007

Private Fleet
November 2007
Action Items
Future Meetings/Contact Info

- Staff Report Including Draft Regulation – Sept. 2007
- Board Consideration – November 2007

- Future Public Workgroup Meeting:  
  - To be Determined

- Contact Information:
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Questions/Comments