

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

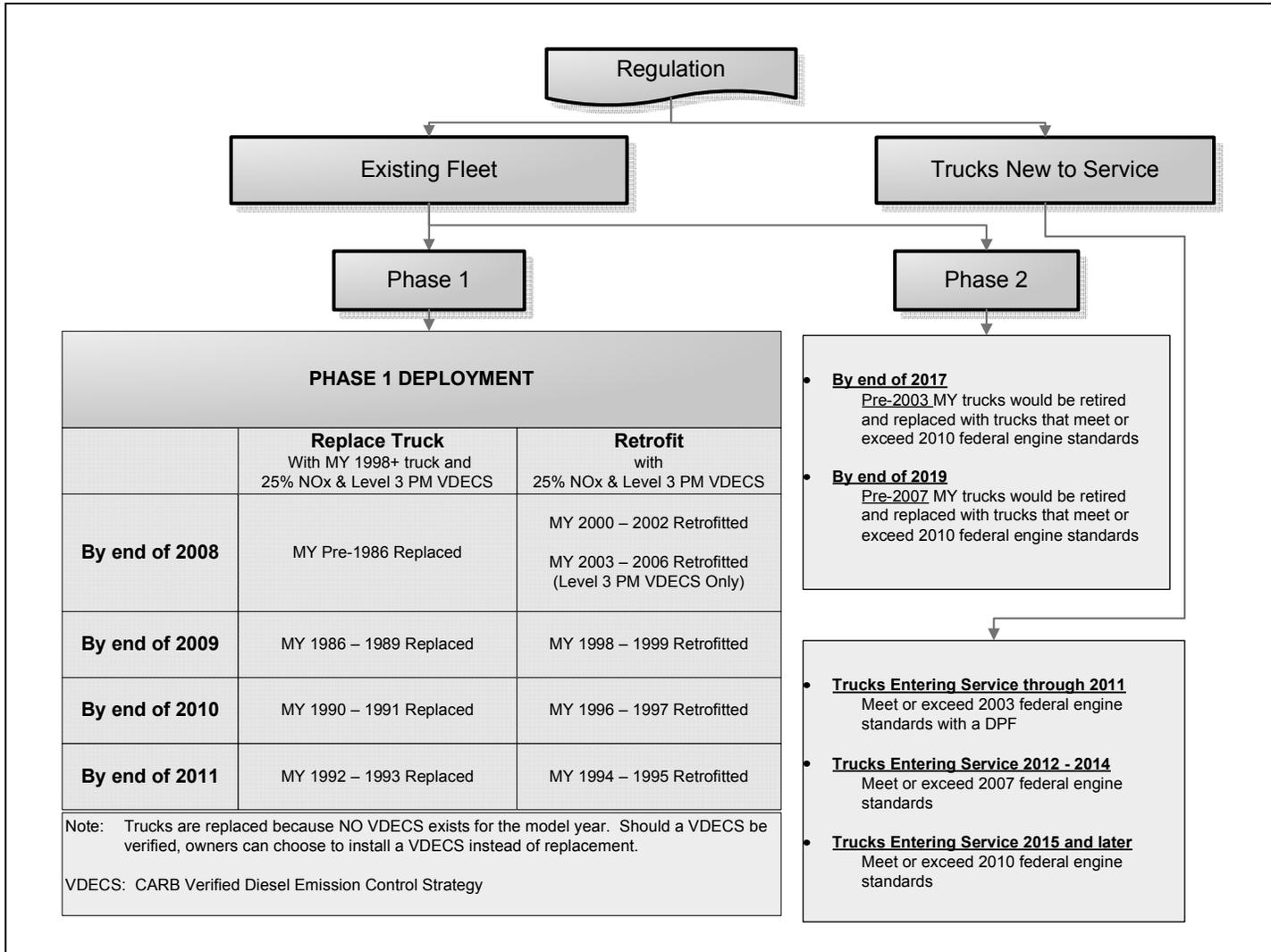


Previous Meetings

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

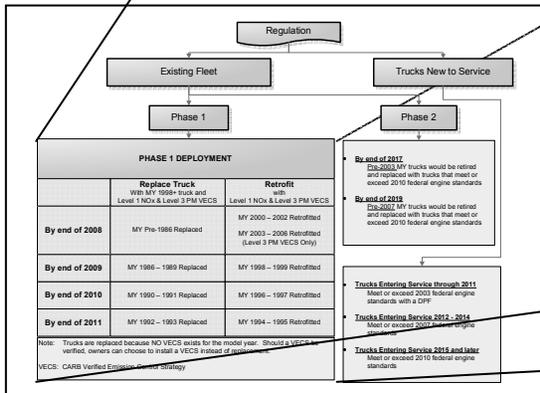


Regulation Concept



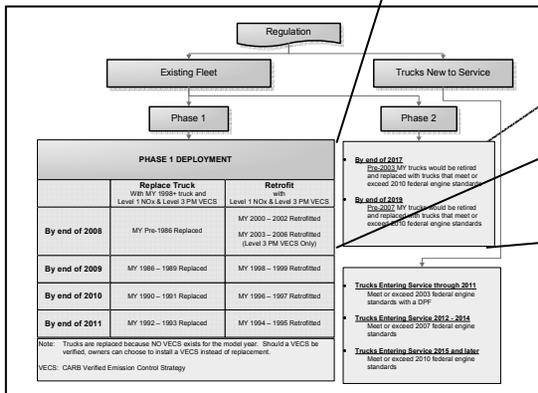
Phase 1

PHASE 1 DEPLOYMENT		
	Replace Truck With MY 1998+ truck and 25% NOx & Level 3 PM VDECS	Retrofit with 25% NOx & Level 3 PM VDECS
By end of 2008	MY Pre-1986 Replaced	MY 2000 – 2002 Retrofitted MY 2003 – 2006 Retrofitted (Level 3 PM VDECS Only)
By end of 2009	MY 1986 – 1989 Replaced	MY 1998 – 1999 Retrofitted
By end of 2010	MY 1990 – 1991 Replaced	MY 1996 – 1997 Retrofitted
By end of 2011	MY 1992 – 1993 Replaced	MY 1994 – 1995 Retrofitted



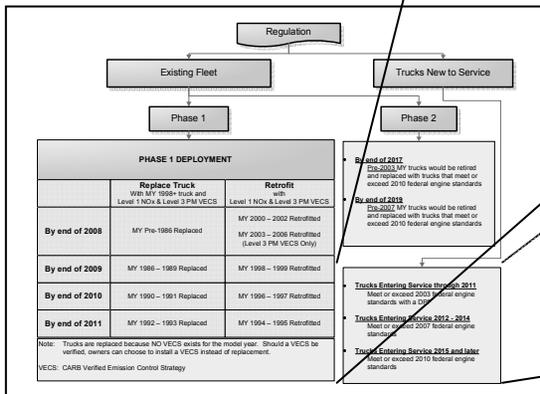
Phase 2

- **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**
Meet or exceed 2007 federal engine standards
- **Trucks Entering Service 2015 and later**
Meet or exceed 2010 federal engine standards



Technologies

- **Retrofit Technologies**

- **Verification of Diesel Emission Control Strategies**

- **Hardware Diesel Emission Control Strategies:**

- **Diesel Particulate Filters:**

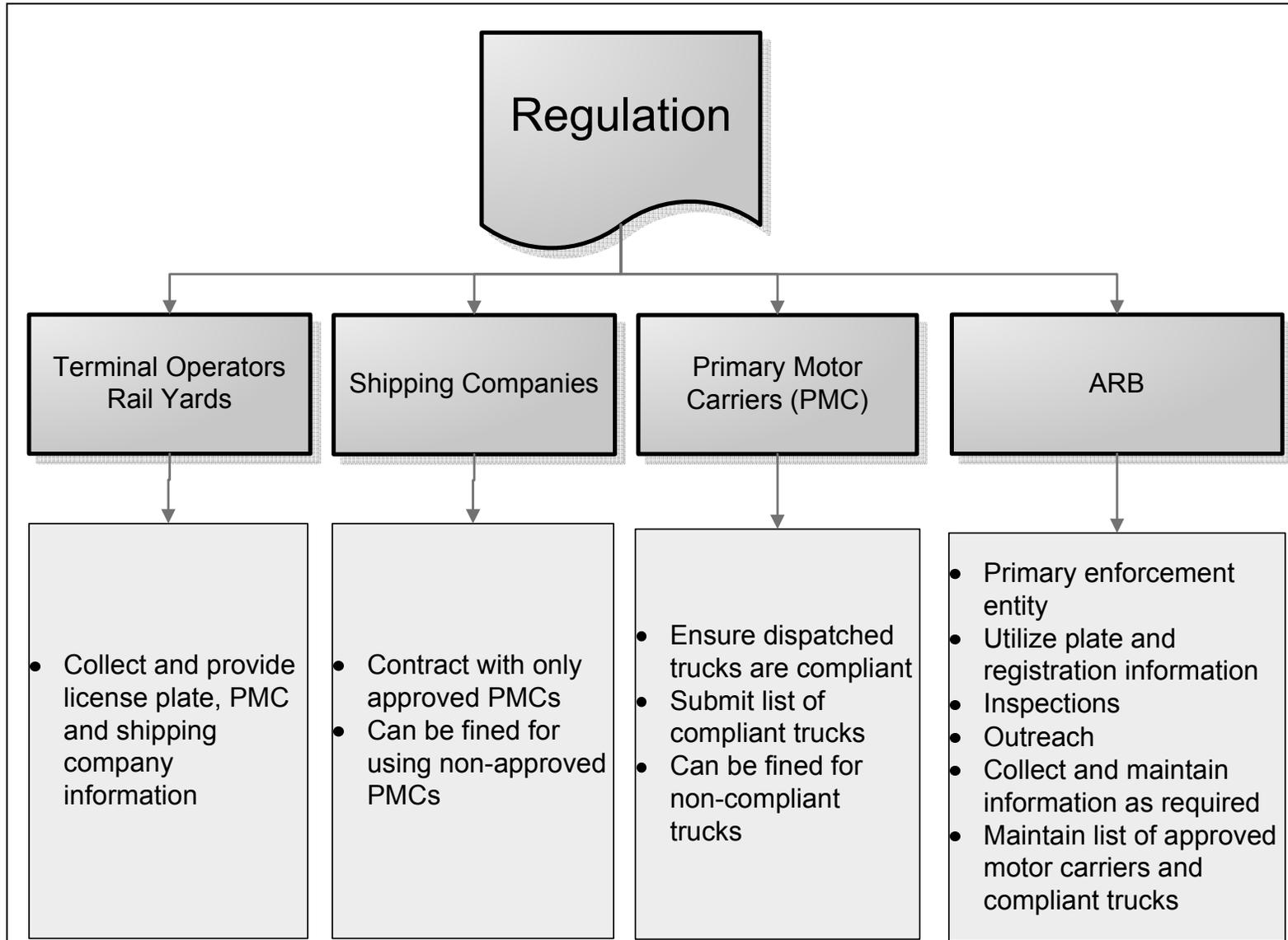
- ❖ **Passive**

- ❖ **Active**

- **NOx Catalyst**



Implementation Concept



Implementation Concept (cont.)

Terminal Operators
Rail yards

- Collect and provide license plate, PMC and shipping company information



Implementation Concept (cont.)

Shipping Companies

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

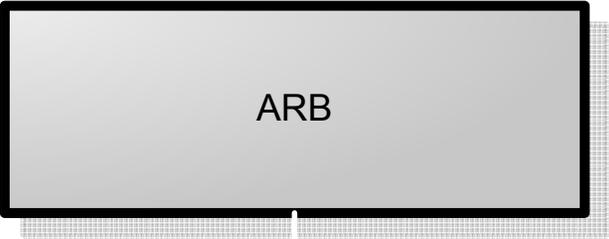


Implementation Concept (cont.)

Primary Motor Carriers

- Ensure dispatched trucks are compliant
- Submit list of compliant trucks
- Can be fined for non-compliant trucks

Implementation Concept (cont.)



ARB

- 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

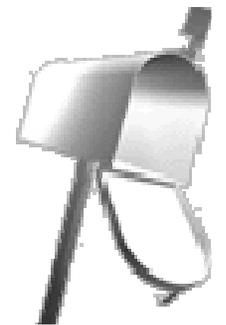
Future Meetings/Contact Info

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

- **Future Public Workgroup Meeting:
- To be Determined**



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<http://www.arb.ca.gov/msprog/onroad/porttruck/porttruck.htm>

Questions/Comments

