

## Fleet Rule for Transit Agencies



## Implementation Update

**November 2007**  
Kathleen Mead, Manager  
Retrofit Implementation Section

California Environmental Protection Agency



**Air Resources Board**



## Today's Presentation

- **Requirement Review**
- **2007 Compliance Deadline**
- **Reports due on January 31, 2008**
- **Revised Web Based Reporting**



## “Urban Bus”

- **Passenger carrying vehicle**
- **Owned or operated by a transit agency**
- **Powered by a heavy HD diesel engine or of a type normally powered by a heavy HD diesel engine**
- **Normally defined as:**
  - **Thirty-five feet or longer**
  - **> 33,000 (lbs) GVWR**

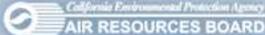
## “Emergency Contingency Vehicle”

**Emergency contingency vehicle is an urban bus placed in an inactive contingency fleet for energy or other local emergencies, after the urban bus has reached the end of its normal minimum useful life.**

### Urban Bus Requirements

Fuel Path	2007	2008	2009
Diesel	85% or meet .01g/bhp-hr standard	-	-
Alternative Fuel	60%	-	85% or meet .01g/bhp-hr standard

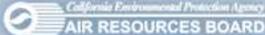
PM Reduction from 2002 Baseline as of January 1st



- ### SCAQMD Alt Path Requirement
- **Alternative Fuel Path is Mandatory in South Coast**
  - **Effective October 7, 2006**
  - **Follow Alternative Fuel Path PM and ZEB Deadlines**
  - **SCAQMD is Enforcing Rule 1192**
- 

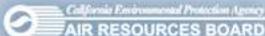
## SC Transit Agencies Affected

<b>Alternative Fuel Path</b>	<b>Alternative Path as of October 2006</b>
<div style="border: 1px solid blue; padding: 5px; width: fit-content; margin: auto;"><p>Commerce Culver City Foothill Glendale L.A. MTA L.A. DOT Omnitrans Orange County Riverside Santa Monica Sun Line</p></div>	<div style="border: 1px solid blue; padding: 5px; width: fit-content; margin: auto;"><p>Gardena Long Beach Montebello Norwalk Santa Clarita Torrance</p></div>



## 2007 Urban Bus Engine Standard

- **Urban Bus Certification Still Required**
- **Align With 2007 Truck HHD Std**  
– Section 1956.8



## **Diesel Path 2007 MY Purchasing Requirement**

- **Diesel Path Agencies With >30 Urban Buses**
- **One-to-one Requirement for Each 2007 to 2009 MY Engine Purchased Certified Above 0.2 g NO<sub>x</sub>**
- **One NO<sub>x</sub> Retrofit for Each New Purchase**
  - 40%+ NO<sub>x</sub> reduction if available; otherwise 25%
  - Limited to available vehicles within transit agency, includes TFV



## **“Transit Fleet Vehicle”**

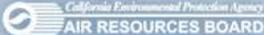
- Greater than 8,500 (lbs) GVWR
- Powered by heavy-duty engine fueled by diesel or alternative fuel
- Owned or operated by a transit agency
- Not an urban bus



## “Commuter Service Bus”

**Defined as Transit Fleet Vehicle if:**

- Powered by a heavy HD diesel engine or of a type normally powered by a heavy HD diesel engine
- Operates on a fixed route primarily during peak commute hours
- No passenger-initiated stops
- No more than 10 stops per day, excluding Park-and-Ride lots.



## TFV Compliance Deadlines

Date	% PM reduction from 2005 baseline	Fleet NOx Average
December 31, 2007	40%	3.2 or retire 1997 and earlier MY
December 31, 2010	80%	2.4 or retire 2001 and earlier MY



## Extensions Past and Present

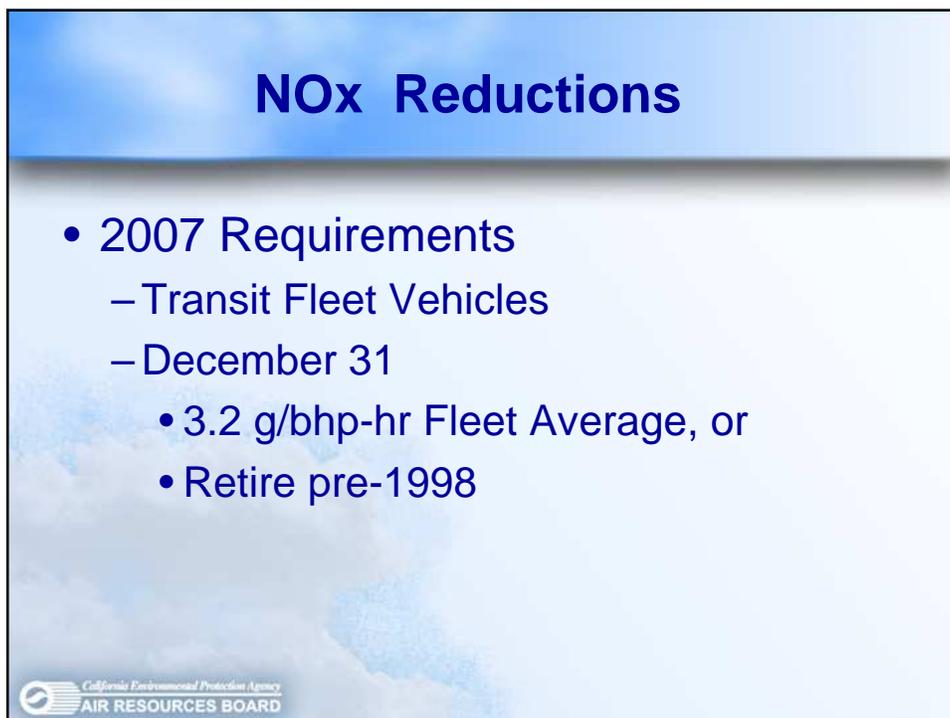
- Financial Hardship: **Deadline 12/1/07**
  - Section 2023(e)
  - <30 in transit fleet (both UB and TFV)
- Unavailability of Technology for PM
  - Section 2023(f): **Deadline Past 10/1/07**
- Delay of Implementation for PM
  - Section 2023(g)
  - <20 in transit fleet in 1 hour Ozone attainment
  - For TFV Fleets only



## Transit Fleet Vehicles Only

- Extension
  - Service Contracts: Deadline no later than 90 days prior to the deadline.
  - Up to 1 year delay
  - Termination of equipment and service contracts defined by FTA: vehicle lease, maintenance/lease, turnkey
- Exemption
  - Low Usage Vehicle: non-revenue with <1000 miles per year usage





## Diesel PM Reductions

- PM Reductions – TFV
  - December 31, 2007
    - 40% Reduction
    - January 1, 2005 PM Baseline
- Maintain PM Reductions – Urban Buses
  - 85% for Diesel Path
  - 60% for Alternate Path
  - January 1, 2002 PM Baseline

## Reports Due in 2008

## Annual Reporting

- Annual Report Due 1/31/2008
- Separate report for Urban Buses and TFV:
  - Number, engine mfr & make, engine model year for all engines in buses, and fuel used as of 1/1/2008

## Reporting Requirements (continued)

### Urban Bus:

- Alternative NOx Strategy Transit Agencies
  - Provide update of compliance plan
- Alternative Fuel Path: Percentage of Alt. Fuel Buses Purchased or Leased
- ZEB Reporting

### Diesel Path:

- Document each filter installed for each 2007 diesel UB purchased

## The Reporting Process

- Web Based
  - More user-friendly look and feel
  - Field edits and drop-down menus
- Update Existing Report Information
- PM and NOx Average Calculated

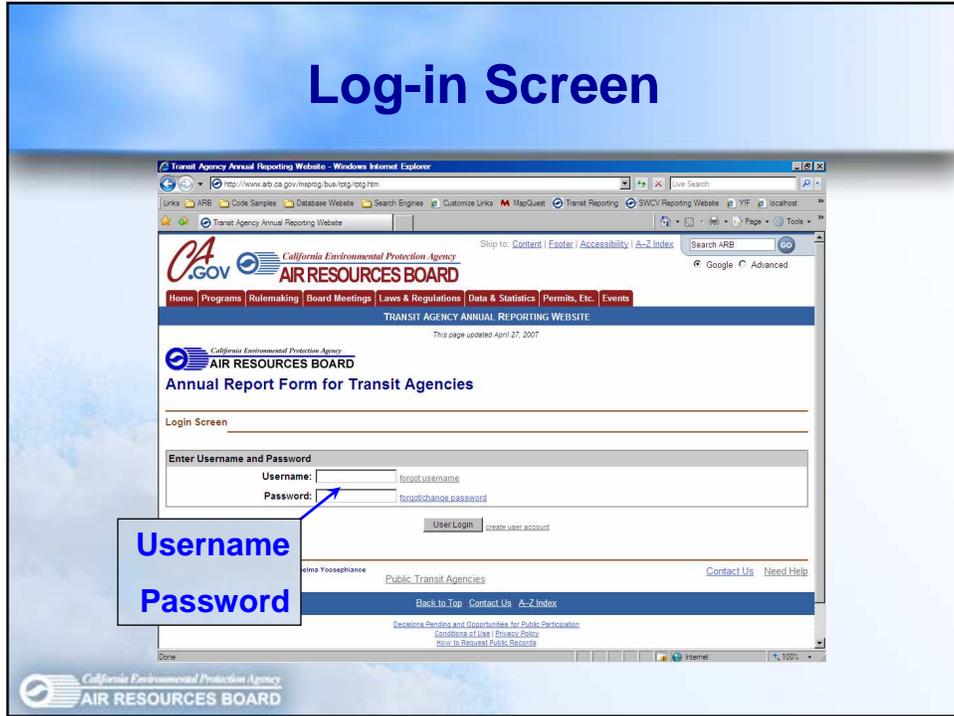


## The Reporting Process

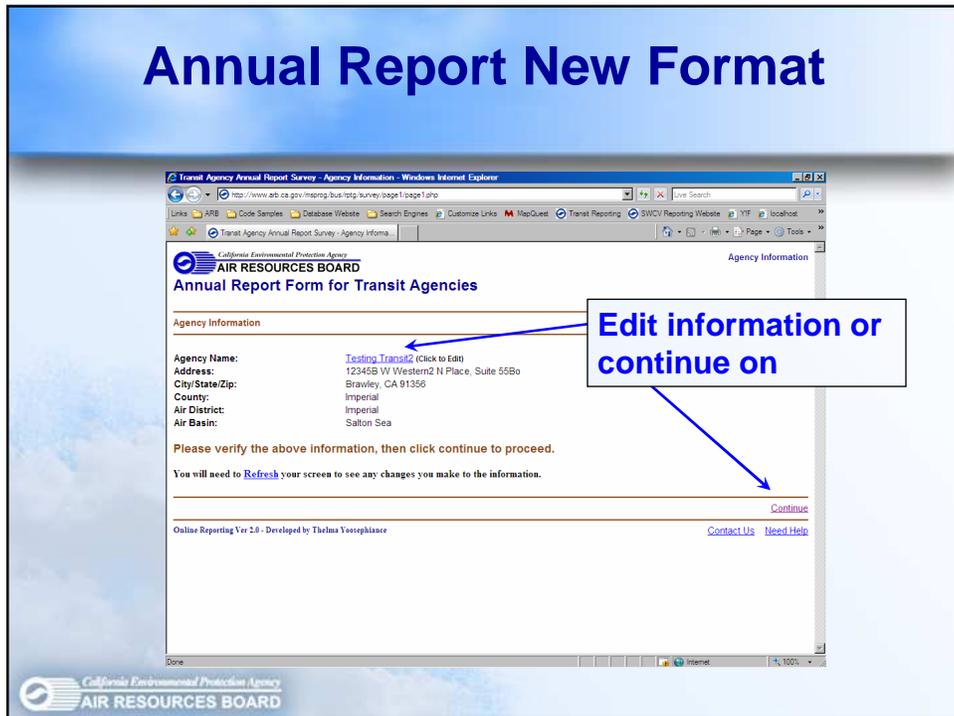
- Differences from last year
  - Multiple user accounts for each agency
  - Username can be emailed if user forgets password
  - Password can be reset
- Improvements
  - Contact Us and Need Help links
  - Reporting speed and accuracy



# Log-in Screen



# Annual Report New Format



## Annual Report New Format (cont)

**To Edit Click Name**

**To Add New Contact**

**Continue**

California Environmental Protection Agency  
**AIR RESOURCES BOARD**  
Annual Report Form for Transit Agencies

Contact Information [Add New Contact](#)

Name: [Dr. Theo Sues](#) (Click to Open Edit Window)  
Title: Author  
Phone / Extension: (626) 555-1212 / Extension 12345  
Fax: (626) 555-1313  
Email: [drsues@arb.ca.gov](mailto:drsues@arb.ca.gov)  
Area of Responsibility: Urban Buses

Name: [Ms. Thelma Yossephiance](#) (Click to Open Edit Window)  
Title: ARB  
Phone / Extension: (626) 350-6407 / Extension 12345  
Fax: (626) 350-6407  
Email: [tyosseph@arb.ca.gov](mailto:tyosseph@arb.ca.gov)  
Area of Responsibility: Both Urban Buses and Transit Fleet Vehicles

Please verify the above information, then click continue to proceed.  
You will need to [Refresh](#) your screen to see any changes you make to the information.

[Go Back](#) [Continue](#)  
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## Annual Report New Format (cont)

**View Your Urban Bus Fleet**

California Environmental Protection Agency  
**AIR RESOURCES BOARD**  
Annual Report Form for Transit Agencies

Urban Bus Fleet Information

Urban Bus Fleet - Additions to Fleet [View Your Urban Bus Fleet](#)

Did you purchase or lease any new or used **urban buses** that began operation between January 1, 2007 and December 31, 2007? [Yes](#) [No](#)

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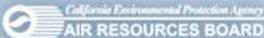


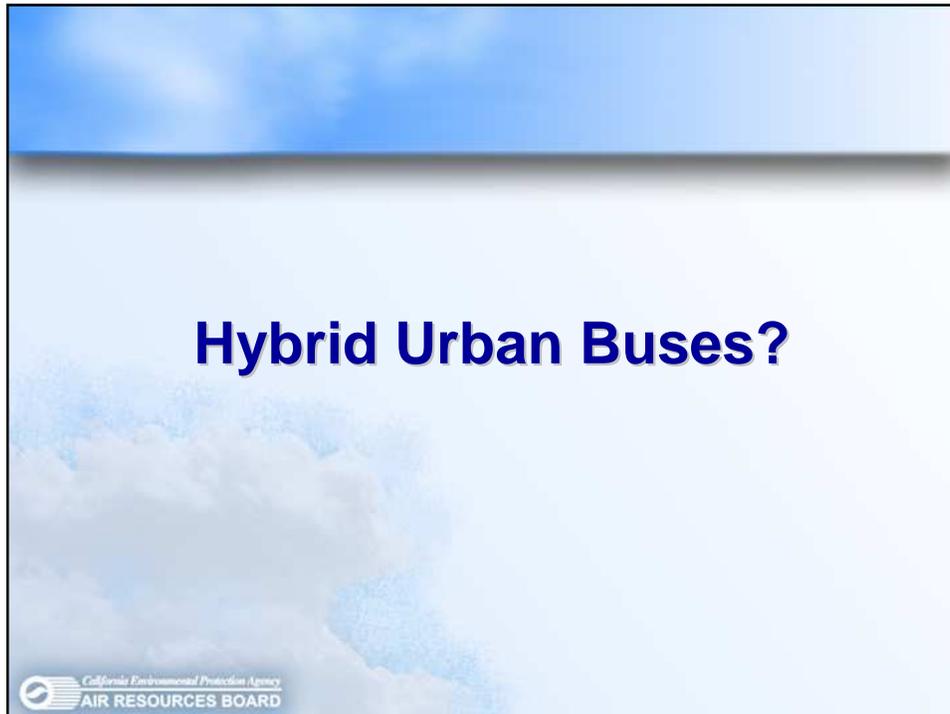
**Fleet Rule for Public Agencies and Utilities**  
(Title 13, California Code of Regulations, sections 2022 and 2022.1)



**Fleet Rule for Public Agencies and Utilities**

- Own, operate, or lease
- Model year 1960 through 2006
- Medium heavy or heavy heavy-duty on-road diesel-fueled engines
- Apply best available control technology (BACT)
- Implementation schedule





## Hybrid Urban Buses?

 California Environmental Protection Agency  
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## General Contact Information

**Kathleen Mead**  
**Manager, Retrofit Implementation Section**  
(916) 324-9550; [kmead@arb.ca.gov](mailto:kmead@arb.ca.gov)

**Eric Bissinger, Urban Bus Requirements**  
(916) 324-9424; [ebissing@arb.ca.gov](mailto:ebissing@arb.ca.gov)

**Adam Gerber, TFV Requirements**  
(916) 323-5445; [agerber@arb.ca.gov](mailto:agerber@arb.ca.gov)

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[www.arb.ca.gov/listserv/listserv.php](http://www.arb.ca.gov/listserv/listserv.php)



## Questions ?

