

# What is being done in Rhode Island?

## Rhode Island's Diesel Emissions Reduction Program

October 2010



# *History*

---

- Heavy Duty Diesel Vehicle Emissions Inspection Program (Opacity) 2001
- Local initiatives (Warwick, Cranston school buses)
- Anti-idling Act 2006
- Diesel Emissions Reduction Act 2007
- Proposed amendments 2009
  - All State and municipal contracted services (dropped)
  - Special Legislative Study Commission to Identify Programs that Reduce Diesel Pollution from Heavy Duty Vehicles Used to Perform State Work (Senate Study Commission)
- Current proposed amendments 2010



# *Diesel Opacity*

- 31-47.2 Heavy Duty Diesel Vehicle Inspections
  - State Police on-road checks (pullover) 2005
  - Annual emissions inspections 2011?



# *The Anti-Idling Act of 2006*

- Prohibited unnecessary idling of diesel engines
- Required DEM to promulgate regulations by July 2007 (Effective July 17, 2007)  
[http://www.dem.ri.gov/pubs/regs/regs/air/air45\\_07.pdf](http://www.dem.ri.gov/pubs/regs/regs/air/air45_07.pdf)
- Established a fine under the “Adjudication of Traffic Offenses” Violations Schedule
- Required DEM to identify and report on sources of diesel pollution and define strategies for reducing the pollution



# *January 2007 Diesel Report*

---

## **RIGL 23-23-29.4. Sources of diesel pollution. -**

On or before January 1, 2007, the department shall identify sources of diesel pollution in Rhode Island and strategies for reducing pollution from identified sources and report the findings to the governor and general assembly.

<http://www.dem.ri.gov/programs/benviron/air/pdf/diesel.pdf>



---

***Rhode Island Department of Environmental Management***

# Priorities

Priorities based on matrix of identified sources and the following **control strategies**:

- Anti-idling
- Fleet turnover (replacement)
- I/M (maintenance and repair)
- Retrofit (or re-power)
- Re-fuel (ULSD, Bio-diesel, CNG, etc.)



“... preliminary [fleet] priority assignments made on the basis of reduction in critical health risk exposures, authority to control and ease of implementation.”

- Buses (School and Transit)
- Solid waste collection vehicles
- State fleet, ***including contracted services***.



# *Diesel Emissions Reduction Act of 2007*

---

- Required that full-size school buses older than Model Year (MY) 1994 be removed from service by **September 1, 2010**.
- Required that full-size school buses older than MY 2007 be retrofitted with emissions control devices by **September 1, 2010**.
- Required DEM to maximize the allocation of federal congestion mitigation and air quality funds (CMAQ) for diesel emissions efforts starting with the school bus fleet.
- Required the submission of the December 2007 Diesel Report.



# *December 2007 Diesel Report*

---

- *Opportunities to Achieve Maximum PM Reductions from Diesel Powered Heavy Duty Vehicles*
  - submitted to THE HONORABLE GOVERNOR, DONALD L. CARCIERI and THE RHODE ISLAND GENERAL ASSEMBLY in compliance with The Diesel Emissions Reduction Act
  - Identified State-owned and controlled (**contracted**) diesel equipment and refuse collection and recycling vehicles as priorities
  - Explore funding sources beyond CMAQ
  - **Contract and procurement requirements**
  - Legislative and regulatory changes
- <http://www.dem.ri.gov/programs/benviron/air/pdf/diesel07.pdf>



# *School Bus Program*

- Retrofit RFP submissions under review
- Several issues complicate program:
  - Responsibilities as outlined in the Act
  - Priority Communities
  - Proposed State-wide bus contract
  - Changing fleet (1,200 buses)
  - **NEW Mandate Date:** September 1, 2012



# 2010 Legislation

- 2009 Senate Study Commission recommendations
- RI DOT Construction Projects – Pilot Project
- Amendments to Diesel Emissions Reduction Act – School bus program
- Future legislation
  - Future State bus contracts
  - Municipal contracts
  - **Mandates?**



# *Conclusion*

---

- Questions?
- Contact information:

Frank Stevenson, P.E.

Phone: 222-2808 ext. 7021

Email: [frank.stevenson@dem.ri.gov](mailto:frank.stevenson@dem.ri.gov)

