



National Clean Diesel Campaign

Working Together for Cleaner Air

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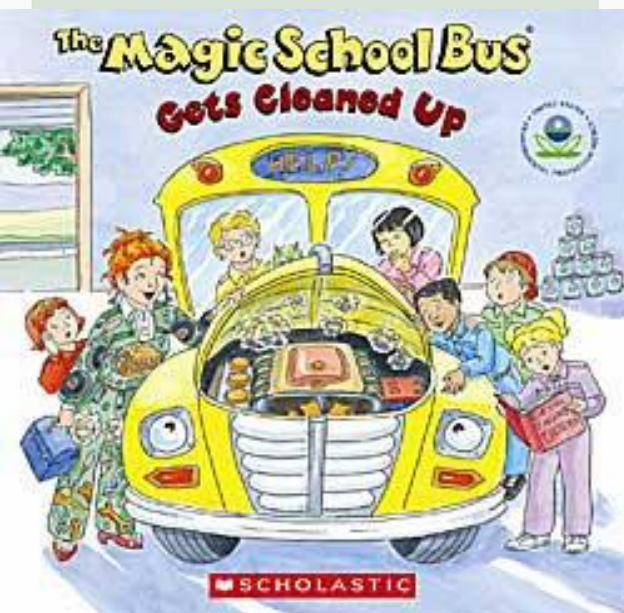
GLICCC'S ADVANCING THE CHOICE CONFERENCE
October 14, 2011



History of the National Clean Diesel Campaign

Pre-DEIRA

- \$39.3 M awarded
- Targeted specific sectors



DEIRA FY08 – FY11

- \$500+ M awarded
- 450+ grantees
- Broad spectrum approach



DEIRA FY12 and Beyond

- Pres. Obama reauthorized DEIRA on 1/4/11
- \$100 M each year through 2016



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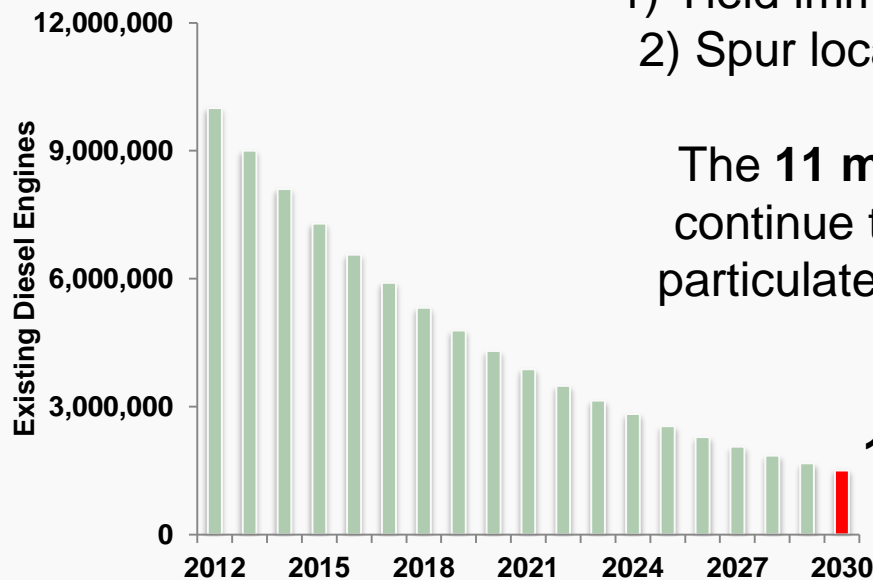
Continuing Need for Cleaner Diesel Fleets

Clean diesel projects:

- 1) Yield immediate public health and air quality benefits
- 2) Spur local economic development and job creation

The **11 million diesel engines** already in use will continue to emit large amounts of nitrogen oxides, particulate matter and air toxics, which contribute to serious public health problems

1.5 million engines won't meet our most stringent standards





The Success of DERA



Immediate Health Benefits

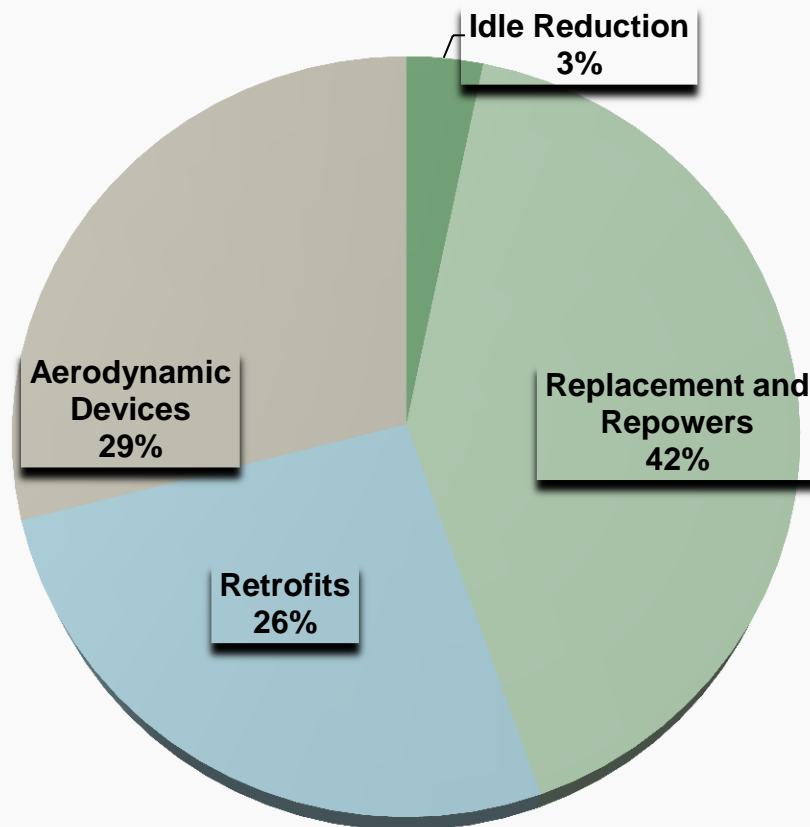
- Over 156 million Americans live in areas that exceed federal air quality standards for diesel pollutants.
- Serious health implications (children and the elderly are particularly susceptible)
- DERA program is one of the most effective strategies to reduce diesel emissions over the last five years.





* Data as of
10.11.11

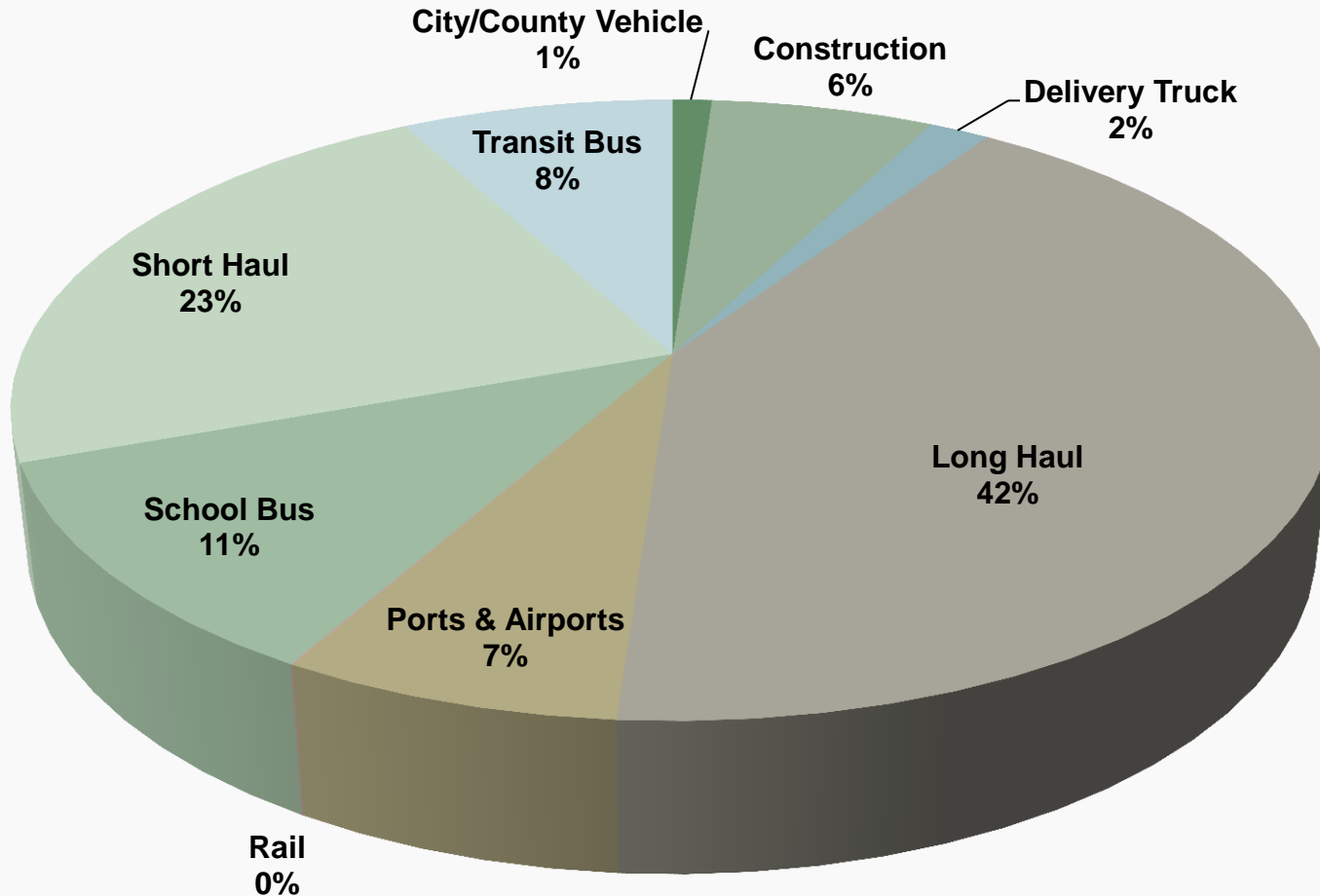
A Successful Three Years... Region 2 Technology





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10.11.11

Region 2 Target Fleet





The Impact of Alternative Fuels



DERA Has Funded 45 Alternative Fuel Grants

Technologies

CNG Engine Replacement
Biodiesel Conversion
Hybrid Electric Replacement

Multiple Fleet Types

School & Transit Buses
Construction
Long & Short Haul Trucks
Port Vehicles
Refuse Haulers



Middle Country School District Grant

- EPA awarded Middle Country School District \$359,305 to purchase 5 new CNG school buses





CALSTART ARRA Grant

- EPA awarded CALSTART \$1.275M
- Replaced 51 delivery trucks with hybrid electric vehicles
- Partners include Coca-Cola, UPS and Sysco Foods
- Vehicles operate in NYC (primarily Queens and the Bronx), Upstate NY and South Jersey





Region 1 & 2 Priorities (NEDC)

- Priority sectors - municipal, transit, freight, construction, and ports
- Sustainability - ability to extend or replicate benefits of the project in the future
- Emissions benefits
- Partnerships
- Addresses climate change



Upcoming Events and New Features



DERA FY11 Grants

- DERA grant competitions have always been oversubscribed
 - \$5 to \$10 requested for every \$1 available
- FY11 National Competition: 219 eligible applicants requesting \$271 million in funding
- EPA R2: 23 applicants. Awarded \$4 million in competitive grants and \$1 million in state allocations (approx.)
- Announcement – Next week



DERA 2 Additions

- Private Fleets
 - Require contract license or lease with eligible state/local gov't
- Rebate Program
- Non-mandated state and local measures



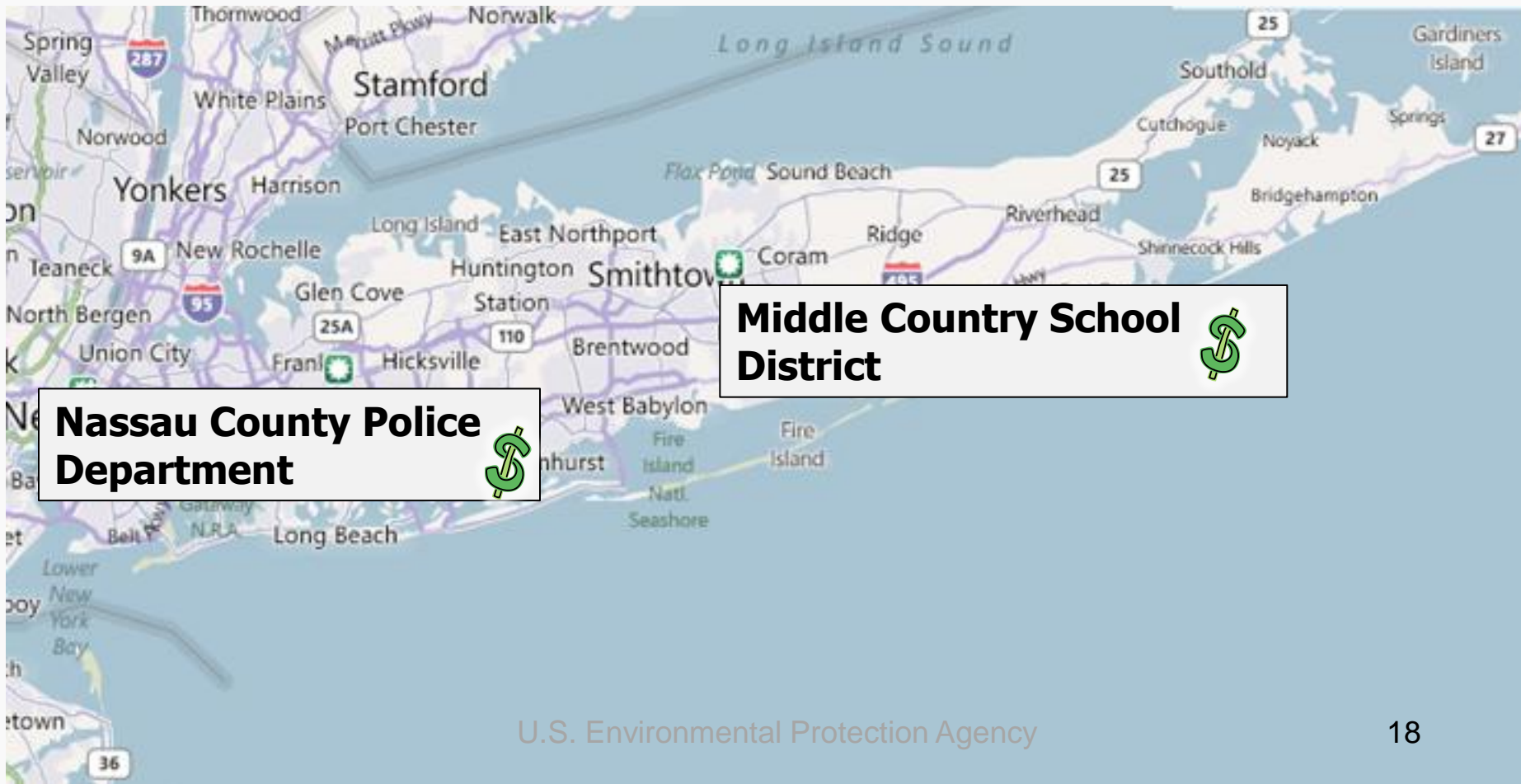
MyEnvironment

- EPA's new interactive mapping tool
- Available at EPA homepage or www.epa.gov/myenvironment
- DERA grants are available in the "MyAir" section





DERA Projects in Long Island



Nassau County Police Department 

Middle Country School District 

Air Quality Index

The AQI is an index for reporting daily air quality. It tells you how clean or polluted your air is, and what associated health effects might be a concern for you. The AQI focuses on health effects you may experience within a few hours or days after breathing polluted air.

NORFOLK (CITY) County, Virginia

September Average Data (2006 - 2008)

Air Quality 97.1%

Pollutants	Value
Ozone	0.0
PM2.5	40.0
PM10	2.0
SO2	24.0
NO2	0.0
CO	32.0

[More info.](#)

September Historical Data (2000-2002)

Air Quality 94.1%

Pollutants	Value
Ozone	0.0
PM2.5	28.0
PM10	1.0
SO2	18.0
NO2	0.0

AQI

Current: Good

Forecast: Good

Current PM2.5

Current: Good

PM2.5: (10)

Current Ozone

Current: Good

Ozone: (23)

[More >>](#)

Air Facilities

[Enlarge Map](#)

Map Contents ▼

Diesel Reduction Project:
Virginia Clean Cities (Hampton Roads)

Scale: 20 miles

bing **EnviroMapper**® © 2011 Microsoft Corporation © 2010 NAVTEQ

Cleaning Your Air: Reducing Diesel Pollution

Project: Mid-Atlantic Regional Air Management Association (MARAMA) Tug Repower Project

Repower one tug with new engine certified to current emission standards

Clean Diesel Strategy Technology: [Engine Replacement / Repower](#)

That's like eliminating exhaust from

19

older diesel trucks each year



For More Information...

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