National Retrofit Update: 
A View from Washington, DC

Midwest Clean Diesel Collaborative 
Leadership Group Meeting

June 30, 2010
DERA

- Congressional action pending on $60 million in FY2011 budget
- No additional funds expected.
- Senators Voinovich & Carper pushing to get reauthorization this year
- Coalition has provided draft legislative language to congressional staff for DERA reauthorization
- Limited program changes being sought
- Let Members of Congress know importance of program to you
Other Legislation

- **Transportation Legislation**
  - Highway bill has been extended until end of 2010
  - No likelihood of passage until 2011
- **Advanced Vehicle & Technology Act of 2009**
  - HR. 3246 - passed, S.2843 – pending
  - Authorizes research for improved fuel efficiency & reduced emissions on med/heavy duty vehicles
  - Requires coordination with all interested stakeholders
- **Hybrid Tax Credit Extension**
  - HR 3367 – pending; S2854 – pending
  - Extend hybrid tax credit until 2014
  - 50% credit for anti-idling devices
Factors Affecting Retrofit Market

- New vehicles are extremely clean
- On-road vehicle turnover
- Greater cost-effectiveness for off road
- Tight economic conditions
- Emphasis on GHG reductions and fuel savings
- New ozone standards
- Limited off-road solutions and implementation challenges
- Complications/red tape for applicants and technology vendors
Clean Diesel Roadmap to Zero Emissions

Clean Diesel Progress:
Heavy-Duty Diesel Trucks

g/Bhp-hr = grams per brake-horsepower hour  
NOx = Oxides of Nitrogen  
PM = Particulate Matter

www.epa.gov/otaq
March 2010 - EPA final rule on existing diesel powered stationary reciprocating internal combustion engines (NESHAP for RICE)

- CO serves as surrogate for HAP emissions.
- Requires proven emissions reductions or DOC retrofit providing 70% CO emissions reduction
- Limited to non-emergency engines
- Retrofit requirements depend on HP, age and citing criteria
- Affected entities could include utilities, hospitals, petroleum and natural gas producers
Future retrofit market

- More replacement
- More emphasis on engine rebuilds and repowers
- More focus on off-road sectors (construction, locomotive, marine, power generation)
- Growing interest in NOx solutions