

Clean Diesel Public Contracting: Regional action for health and cleaner air



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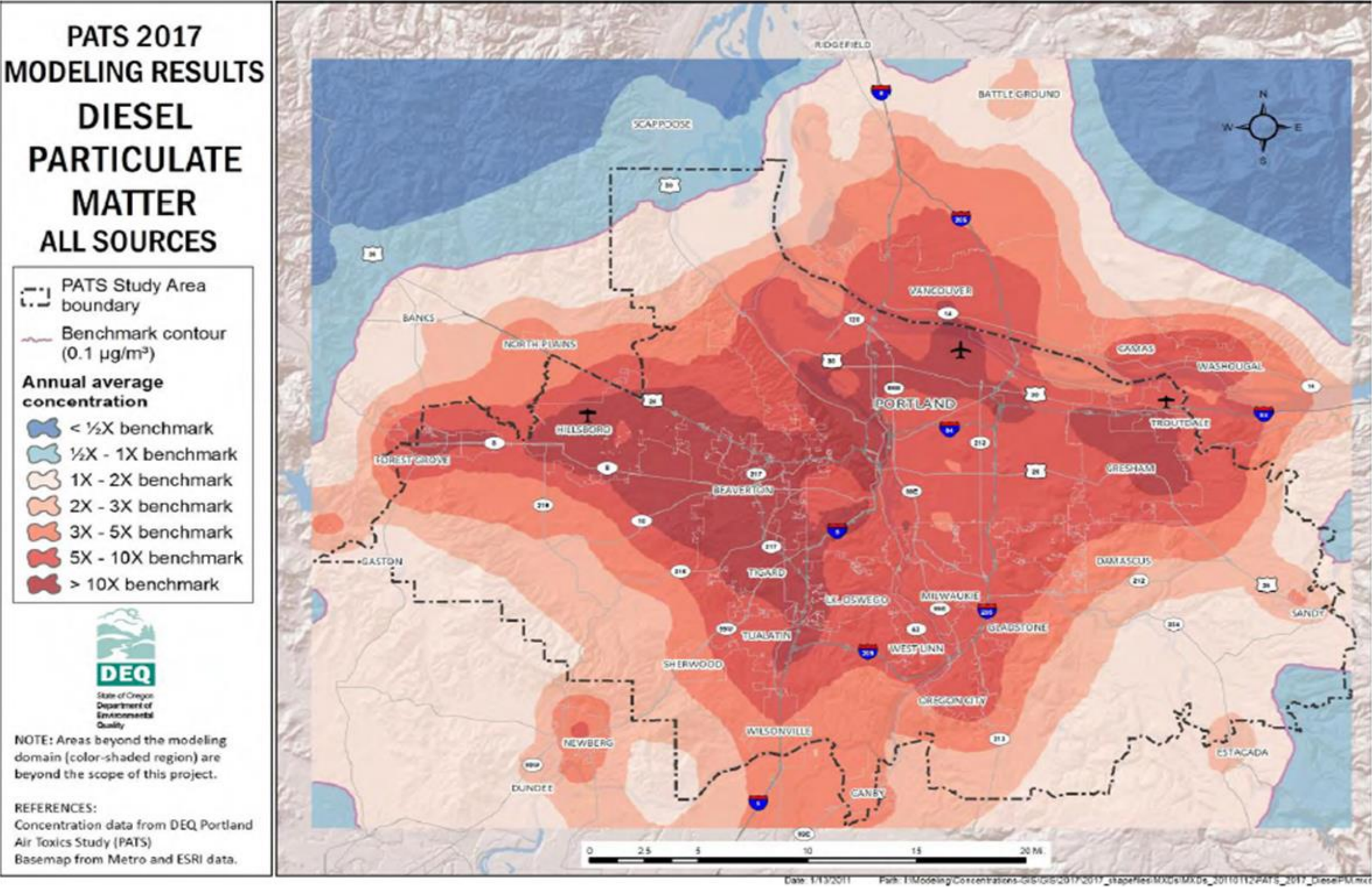
Presentation Overview

- Need
 - Why focus on construction equipment emissions? [Video](#)
- Options to address emissions from construction equipment:
 - Regulatory
 - Voluntary
- Evaluating the feasibility of clean diesel public contracting
 - Process
 - Recommendations
- Discussion

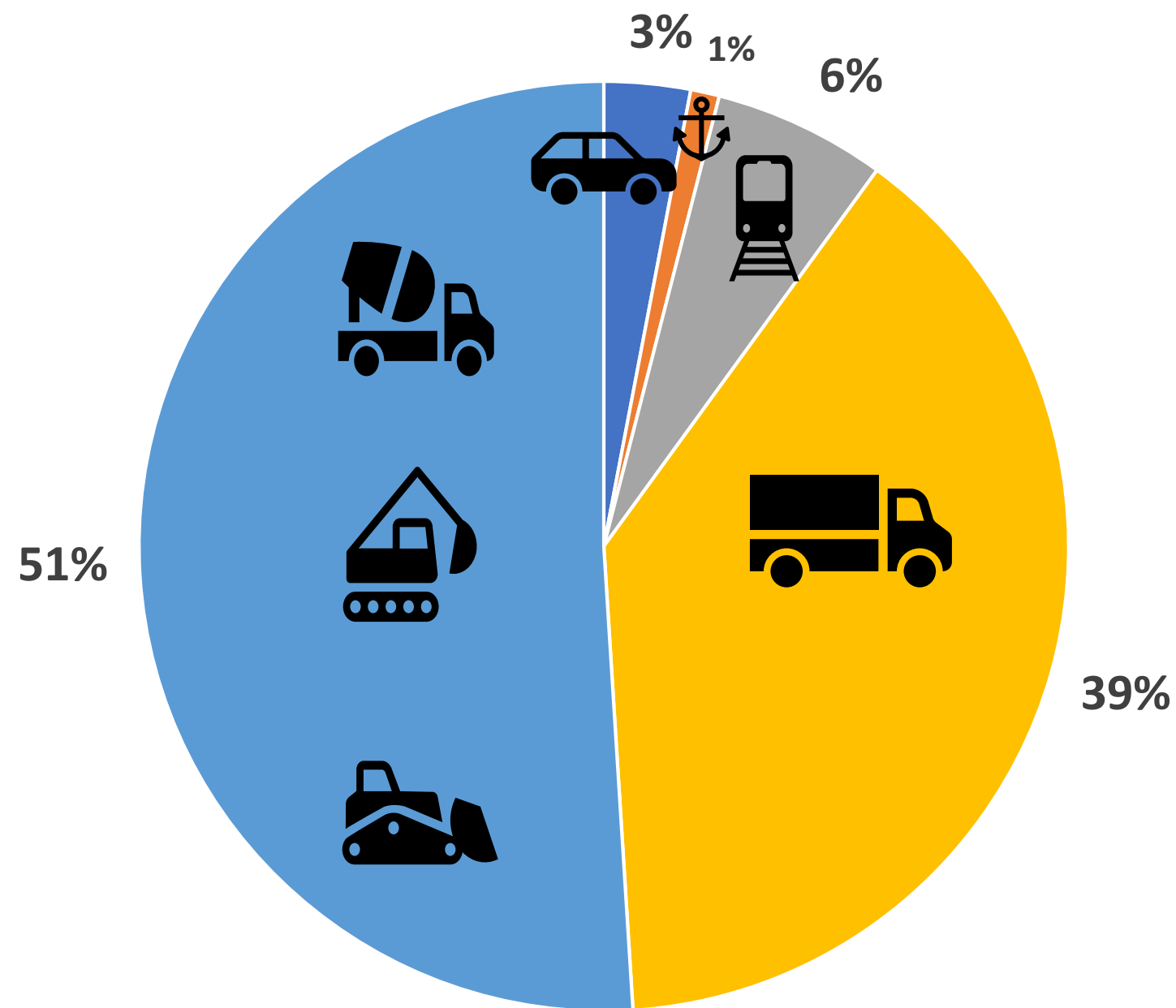
Multi-Agency Team



Regional Air Quality

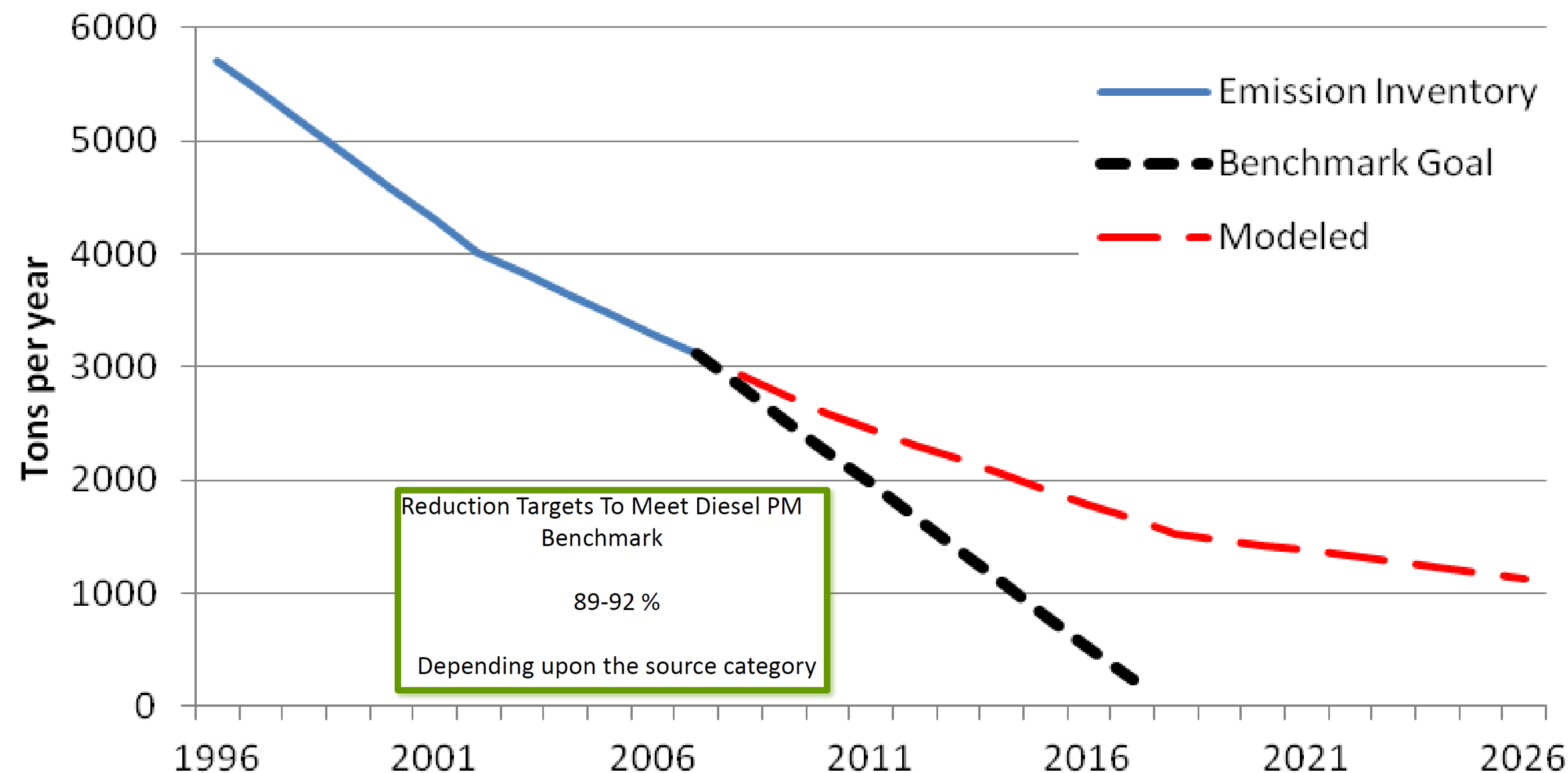


Why Focus on Construction Equipment?



Diesel emissions sources in Portland Metro area

Diesel Particulate Matter & the Oregon Benchmark



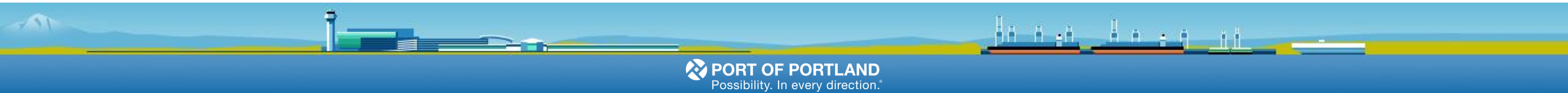
Potential Solutions

- **Regulation**

- Port prefers regulation at the highest level
- Opportunity for greatest diesel emissions reduction and health benefits at the broadest level

- **Clean diesel public contracting requirements**

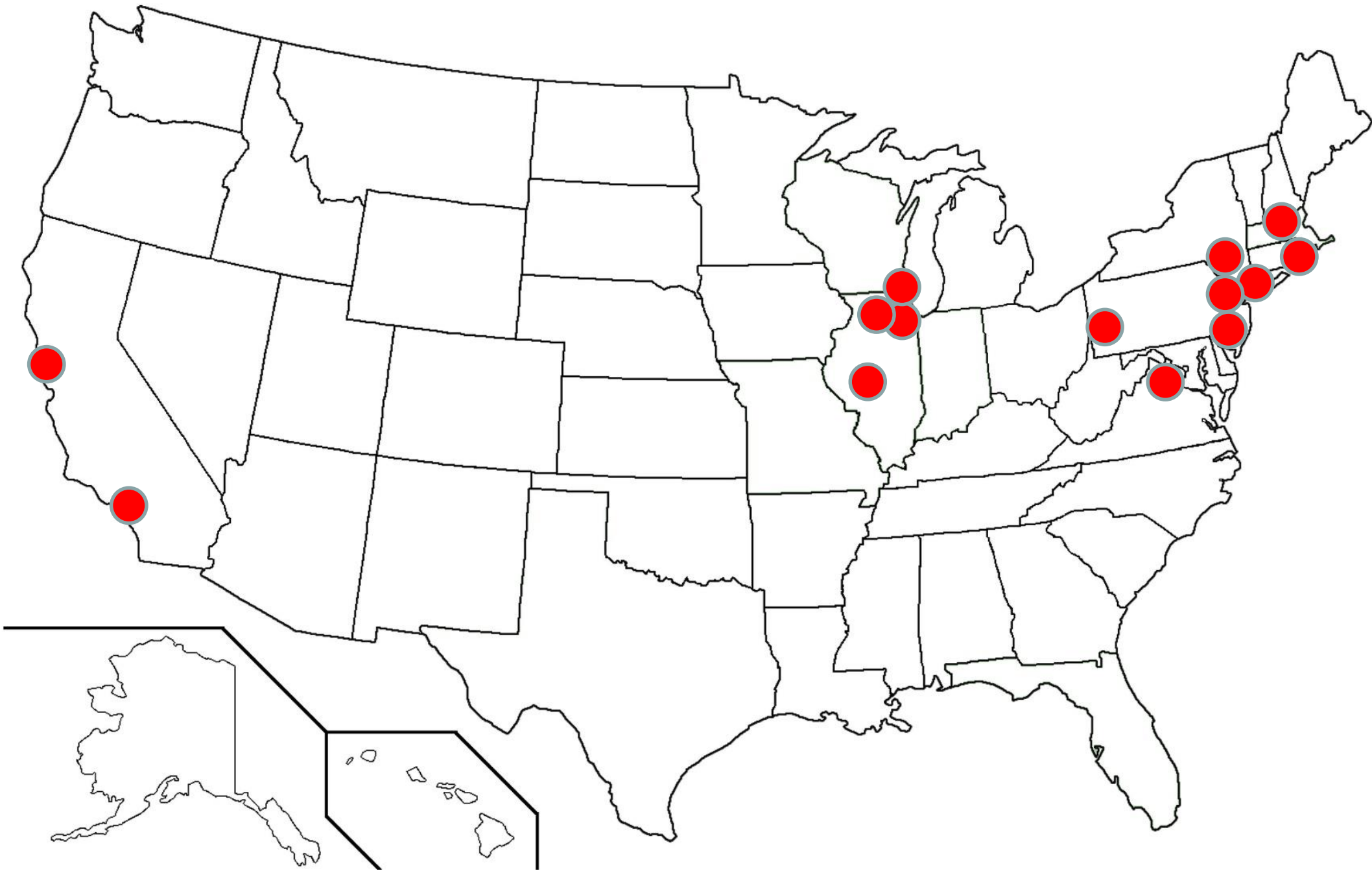
- Opportunity for significant diesel emissions reduction on public projects
- Benefits health of Port employees, contractors, nearby communities
- Provides a significant opportunity in the absence of broader regulation
- Leadership opportunity on a significant public health issue.



Policy Development Process

1. Survey existing contracting policies
2. Identify key evaluation criteria
3. Evaluate policy alternatives against criteria
4. Report findings to internal and external stakeholders
5. Finalize recommendations
6. Seek agency adoption

Clean Diesel Programs in U.S.



Evaluation Criteria for Policy Options

- Level of emissions reduction
- Technical limitations/ safety concerns
- Administrative burden and cost
- Ease for contractors to understand and comply

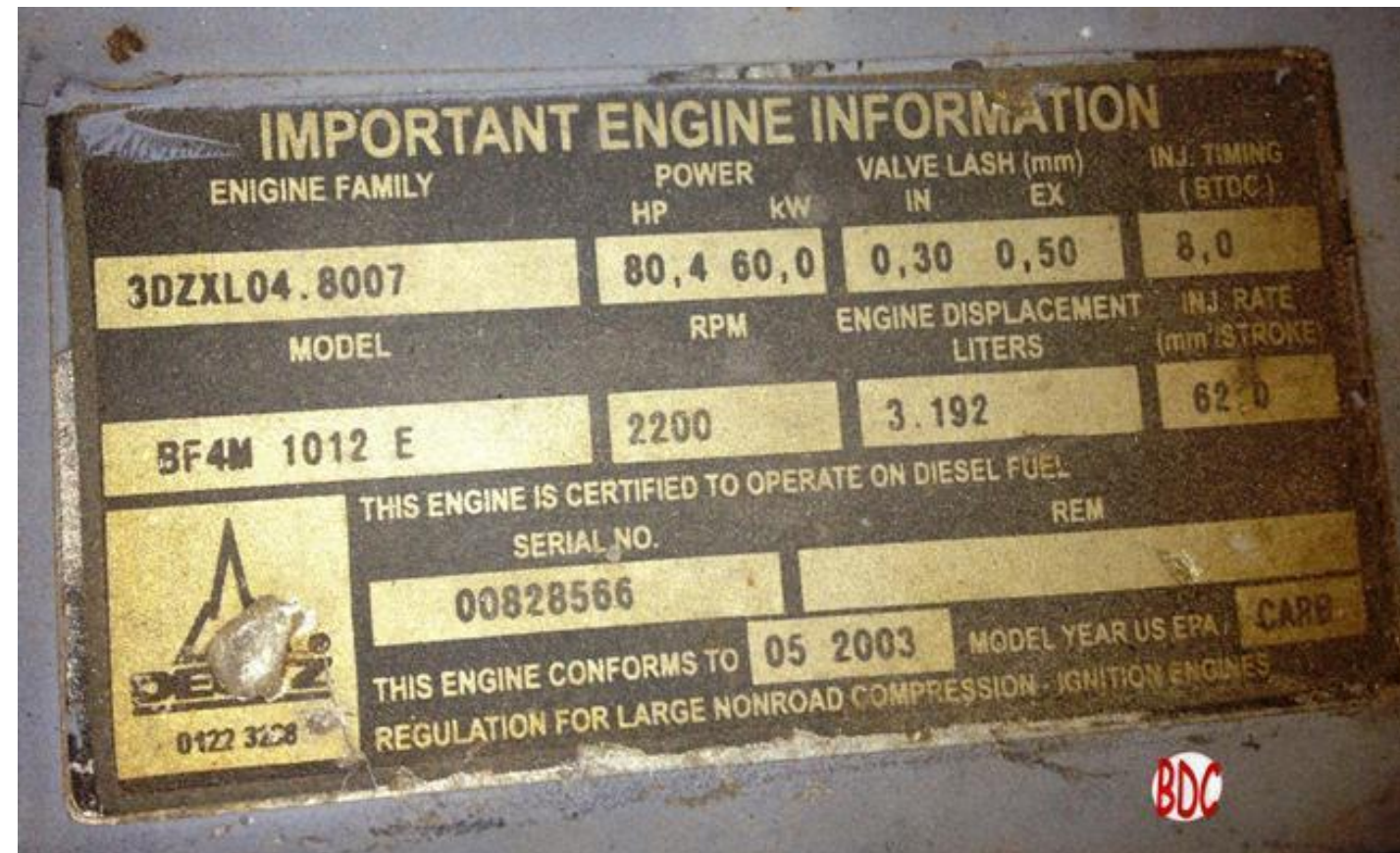


Policy Recommendation

- All public construction projects over \$2 million
- No dirty non-road diesel equipment & pre-2007 trucks onsite for more than 3 days unless retrofitted with exhaust controls
- Allow limited waivers from policy:
 - When rental equipment or a EPA/CARB verified control device is not available
 - Safety concern or technical limitation (e.g. special equipment)
 - Lower horsepower equipment (under 100 hp)
 - Emergency
- Minimum contractor reporting requirements
- Routine compliance inspections
- Accommodations for MWESB and small firms

Enforcement

- Participating jurisdictions would fund a shared position for enforcement and technical assistance
- Job site compliance verified by local govt project managers through clean diesel sticker



Policy Options for Accommodations

(Such as Small Businesses, or Minority & Women-Owned Firms)

- ✓ **Fund retrofits for some firms**
 1. Establish regional pooled fund*
 2. Pay for retrofits separately but consistently as projects occur
- ✓ **Longer timeframe to comply with the policy**

*VW Settlement funds could also potentially be used



Estimates

Contractor Costs:

- Retrofit costs (**0.06% to 0.57% of contract value**)
- Administrative costs

Public Agency Costs:

- Technical assistance
- Policy compliance verification

Cost Minimization Opportunities:

- Shared costs for technical assistance and enforcement
- Minimize reporting requirements for contractors



Discussion

