



Setting the State: National Rules and Regulations



» Regulatory and Voluntary Program



» Regulates fuel standards and new engine emissions



» Voluntary program combines national and regional efforts



EPA Regulations

- » Clean Diesel Truck and Bus Rule
 - › Dec 2000
- » Clean Air Nonroad Diesel Rule
 - › May 2004
- » Cleaner diesel fuel requirements:
 - › ULSD for highway diesel engines starting in 2006,
 - › Low sulfur diesel for nonroad diesel engines in 2007,
 - › ULSD for nonroad diesel engines in 2010, and
 - › ULSD for locomotives and marine engines in 2012.
 - › Low sulfur diesel fuel is already available in some areas of the country.



EPA Regulations

- » Engine standard requirement
 - › Highway sector in 2007
 - › Construction and other nonroad in 2011
 - › Locomotive and marine engine standards are being developed
- » Fuel and engine standards for large commercial marine diesel vessels like cruise and container ships are anticipated.





EPA Regulations

- » When fully implemented in 2030, these regulations will annually prevent up to:
 - 12,000 premature deaths,
 - 1,000,000 lost work days,
 - 15,000 heart attacks, and
 - 6,000 children's asthma-related emergency room visits
- » Combined, these stringent regulations will achieve \$150 billion in health benefits
- » But what can be done with the 11 million engines in use today?



For more information on the West Coast Collaborative...

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