Diesel Programs





Ann-Louise Crotty
Manager Air Policy
NSW EPA

EPA approach to diesel emissions

- Identify priority contributors
  - evidence based
- Priority locations and machines
  - population exposure
- Cost effectiveness of actions
- Strategies tailored for different sectors, for new and old engines
- Stakeholder consultation

Overseas approaches

- Non road diesel equipment standards
  - US, Canada, EU, Russia, Turkey, Japan, China, India, South Korea, Singapore, Brazil
- Locomotive standards – US, EU
- Shipping emission control areas
  - Baltic Sea, North Sea, North America, US Caribbean
  - Additional controls at berth and at ports – California, EU, Hong Kong, Vancouver

Management of on-road diesel emissions

- National standards for new on-road vehicles
- NSW EPA and RMS
  - Smoky vehicle enforcement program, with app
  - Diesel retrofit programs for older vehicles
    - truck retrofit program (500+)
    - ports program
    - M5 Tunnel program (current)

Management of non-road diesel emissions



- No emission standards for diesel equipment in Australia (new or existing)
- NSW supports introducing national standards
- EPA examining diesel emissions across all sectors – options to reduce emissions and exposure

EPA Clean Machine Program

- 30 partners from local gov't and business
- 140 retrofits
- $8 million in health benefits over 10 yrs
- Better procurement and worksite operations

- Clearing the air – focus on equipment in major infrastructure projects

Diesel emissions from coal mines

- Similar to EPA ‘Dust Stop’
- Survey of 64 licensed coal mines
- Review of best practice measures and economic analysis
- Consultation

Diesel Locomotives

- Industry developing standards for freight locomotives
- EPA study on reducing emissions from locomotives (Environ, 2013)
- 80% of locos not meeting any US standards

Emissions from ports and shipping

- EPA report on emissions from ports in 2011
  - 80% of PM emissions in ports from shipping

  (PAEHolmes, 2011)
- Community concern about impacts