A Business Case for Clean Air

Working Group Meeting #2

August 13, 2014

Cleaning The Air That We Breathe...

Examples of Strategies with Potential Business Case
Rule 1421 – Dry Cleaning

- Amended in December 2002
- Required equipment replacement with non-perc alternative when equipment would be replaced [allowed up to 15 years; typical equipment life of 8 to 14 years]
- Equipment replacement began 2 ½ years from date of adoption – to minimize economic disruption [adequate lead time]
- $2,000,000 dry cleaning grant program [financial incentives]
  - $5,000 to $20,000 grants for dry cleaners to help transition from perc to non-perc alternative technologies, depending on the technology.

Examples of Strategies with Potential Business Case
Transit Bus/Waste Haulers

- Transit Agencies/Refuse Collection Companies
  - Natural Gas Fuel Pricing vs. Diesel Fuel Pricing
  - Incentives Funding for Alternative Fueled Vehicles
  - Advantage in Bidding for New Contracts (Refuse Companies)
  - Compliance Path Choice
    - Transit Agencies – Diesel vs Alternative Fuel Path (CARB Transit Bus Regulation)
    - Refuse Collection Companies – Allowance for Alternative Fuel Vehicles in lieu of Particulate Filter Retrofits (CARB Solid Waste Collection Vehicle Regulation)

Examples of Strategies with Potential Business Case
Logistics Efficiency Measures

- Potential Win-Win
  - Generally less capital-intensive than other emission reduction strategies
  - Operating cost reductions through reduced—
    - fuel consumption
    - vehicle miles traveled
    - idling
    - equipment maintenance
  - Less congestion and travel time; improved scheduling certainty and throughput
- Examples
  - Information exchange systems to avoid congestion, spread out truck arrivals at intermodal terminals to improve truck turn times, create efficient itineraries through data sharing with rail carriers, traffic management centers and customers
  - Load matching to minimize unproductive moves
  - Vehicle platooning technologies to maximize capacity of transportation infrastructure

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