

In-Use Off-Road Diesel Vehicle Regulation: Surplus Off-Road Opt-in for NOx (SOON) Program



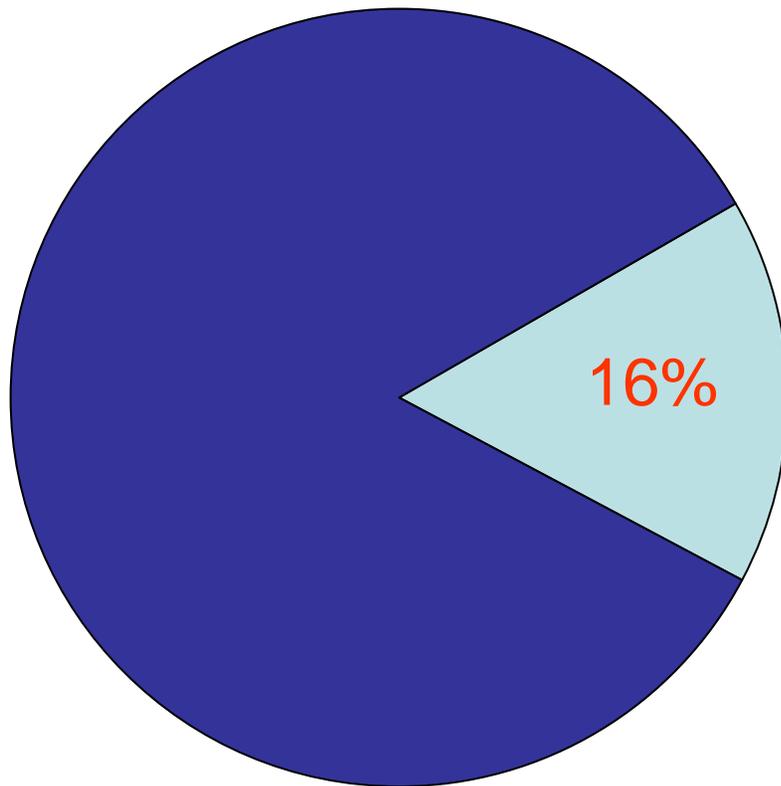
Randall Pasek

South Coast Air Quality Management District

SOON Program Bidders Conference Workshop
January 17, 2008

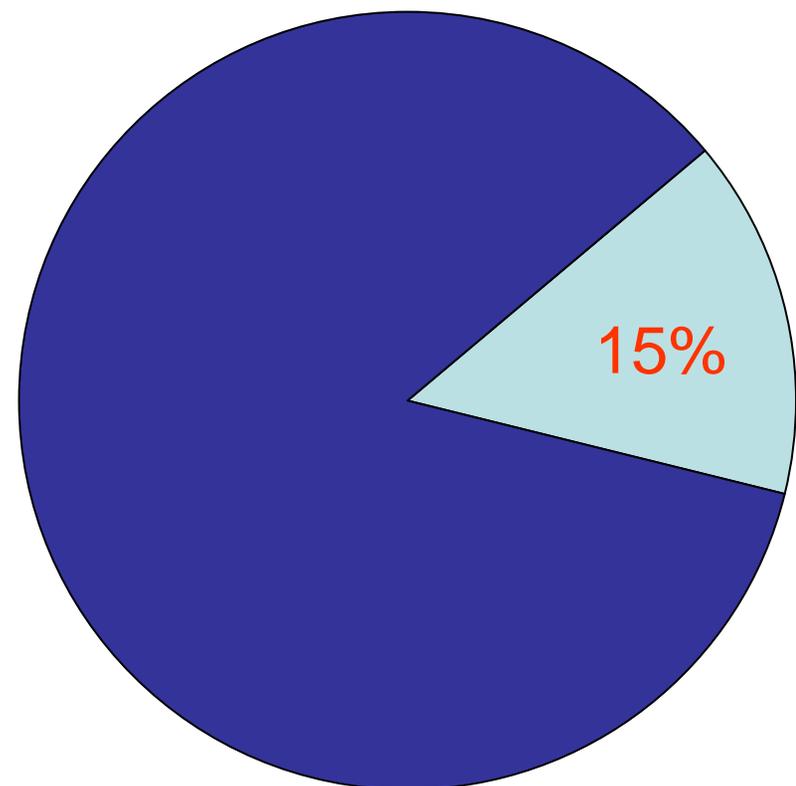
Contribution of Off-Road Diesel Equipment to Mobile Source Inventory (2014)

NOx



Total = 577 tons/day

PM2.5



Total = 33 tons/day

CARB's Regulation for In-Use Off-Road Diesel Equipment

- Adopted in July 2007
- Applies to Off-Road Diesel Equipment 25 hp and greater
- Fleet Average Targets or BACT Requirements



CARB's Regulation for In-Use Off-Road Diesel Equipment (cont'd)

- Labeling, Reporting, and Recordkeeping
- Compliance based on fleet size beginning in 2009
- NOx Requirements
 - Meet NOx Fleet Average Targets or
 - Turn over Engines (8%/10% of hp per year)

CARB's Regulation for In-Use Off-Road Diesel Equipment (cont'd)

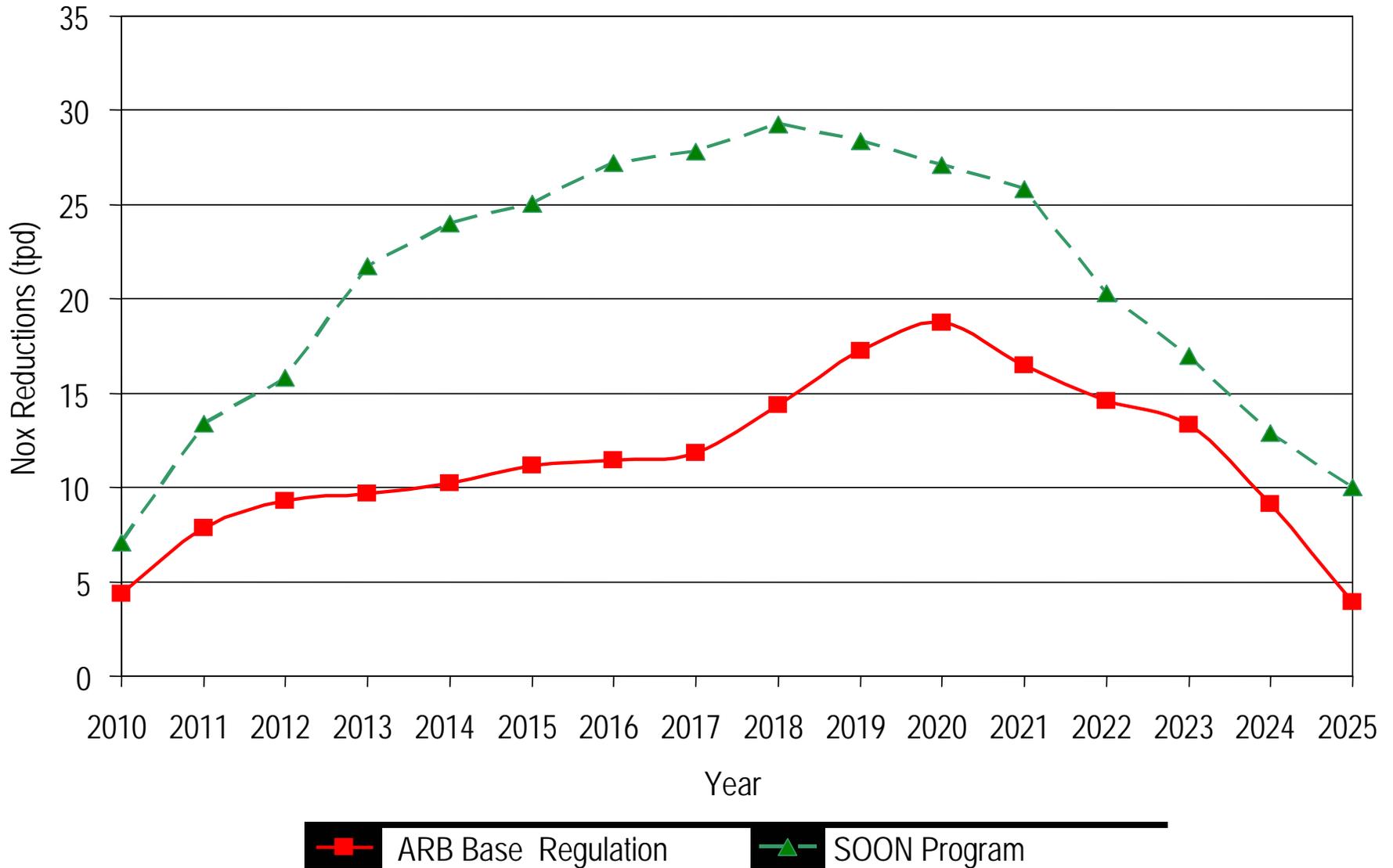
- PM Requirements
 - Meet PM Fleet Average Targets or
 - Install PM Retrofits (20% of hp per year)
- Provision for Additional NO_x Reductions
 - Surplus Off-Road Opt-in for NO_x (SOON) Program

Surplus Off-Road Opt-in for NOx (SOON) Program

- Developed Jointly by CARB and South Coast AQMD with industry input
- Will achieve Additional NOx Reductions Critical for PM2.5 Attainment by 2014
- Based on Incentive Funding



Estimated NOx Reduction Benefits in South Coast



SOON Program

- Applicability/Eligibility
 - Any District which elects to opt-in
 - Fleet with more than 40% Tier 0 and 1 and maximum power greater than 20,000 hp
 - Smaller fleet may participate

SOON Program (cont'd)



- District Requirements
 - Public Hearing to Opt-in (2/1/08)
 - Implementation/Funding Guidelines (2/1/08)
 - Issuance of Solicitation for Applications for Funding (11/2/07)

SOON Program (cont'd)

- Fleet Requirements
 - Apply for Funding for sufficient number of projects to Meet SOON NOx Target
 - Must implement if funded
 - Compliance Plan
 - Funding for Reductions Surplus to Statewide Provisions

SOON Program (cont'd)

- Compliance Plan Requirements
 - Forecast fleet actions at least up to the next SOON NOx target date (2011, 2014, 2017, 2020, 2023)
 - Demonstrate compliance with CARB base regulation and SOON NOx targets

On-Going Activities

- Formed Technical Working Group
 - CARB, SJVAPCD, Construction Industry, Public Fleets, Contractor Associations, Other Affected Fleets
 - Continue to assist with implementation issues
- Work with CARB to develop tools to aid in reporting and compliance plan development
 - On-line reporting tool
 - Compliance Plan template
 - Compliance Plan Assistance tool

Important Dates

- Next SOON Workshop
 - February 27, 2008 at AQMD Headquarters
- SOON Application and Compliance Plan Deadline – May 2, 2008
- Awards – September or October 2008
- Must Implement Projects by 12/2009

South Coast AQMD Contact

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Website Information

- On-line reporting tool

http://www.arb.ca.gov/msprog/ordiesel/offroad_reporting/index.php

- Compliance Plan template

<http://www.aqmd.gov/tao/Implementation/SOONProgram.htm>