

# Stationary and Area Source Potential Control Measures

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75ppb Ozone NAAQS

# Overview

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- NOx Measures
- VOC Measures
- Stakeholder Input
- Next Steps

# NOx Measures

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- Municipal waste incinerators
  - Optimizing SNCR, improving fluid dynamic modeling and reagents
- Performance standards
  - High electric demand day (HEDD) units
  - Boilers serving electric generating units (EGU)s
- Natural gas boilers
  - Ultra low NOx burner (ULNB) technology
  - California, Texas, New Jersey rules in place

# NOx Measures

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- Diesel internal combustion engines (ICE) and natural gas turbines
  - Advanced emissions control technology for HEDD use
- Energy efficiency / Renewable energy
  - Multiple sector approach
  - Intersection of climate change planning and ozone SIP credit

# NOx Measures

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- Minor source review
  - Reviewing sources not subject to New Source Review (NSR)
  - Examine the Best Available Control Technology (BACT) birthday provision

# VOC Measures

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- Auto refinishing rule (underway)
  - Update to the 2002 OTC Model Rule based on the 2005 California ARB suggested control measure (SCM)
- Consumer products rules
  - California 2006 amendments regulation setting limits for 15 categories
  - California 2008 proposed amendments also address greenhouse gases, and air toxics

# VOC Measures

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- Lower solvent degreasers
  - 25 grams per liter, or less
- Lubricant for metal rolling operations
  - Category not addressed by the miscellaneous metal part control technique guidelines (CTG) or the consumer products regulation
- Gasoline loading and refueling
  - CARB vapor recovery (EVR) for stage I and II
  - Enhanced vapor recovery membrane systems

# VOC Measures

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- Large storage tanks
  - Located at refineries, terminals, and pipeline breakouts
  - Deck Fitting and seals, domes, roof landings, degassing and cleaning, and inspection and maintenance.



# Next Steps

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- Stakeholder Input
- Analysis of control costs and potential emissions benefits

# Stakeholder Input

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- Other Measures?
- Thoughts on Measures Under Consideration?
- Thoughts on Existing Measures?
  - *Ways to improve them*
- Data to facilitate computation of emission reductions and associated costs