



# OTC Stationary / Area Source Committee: Update

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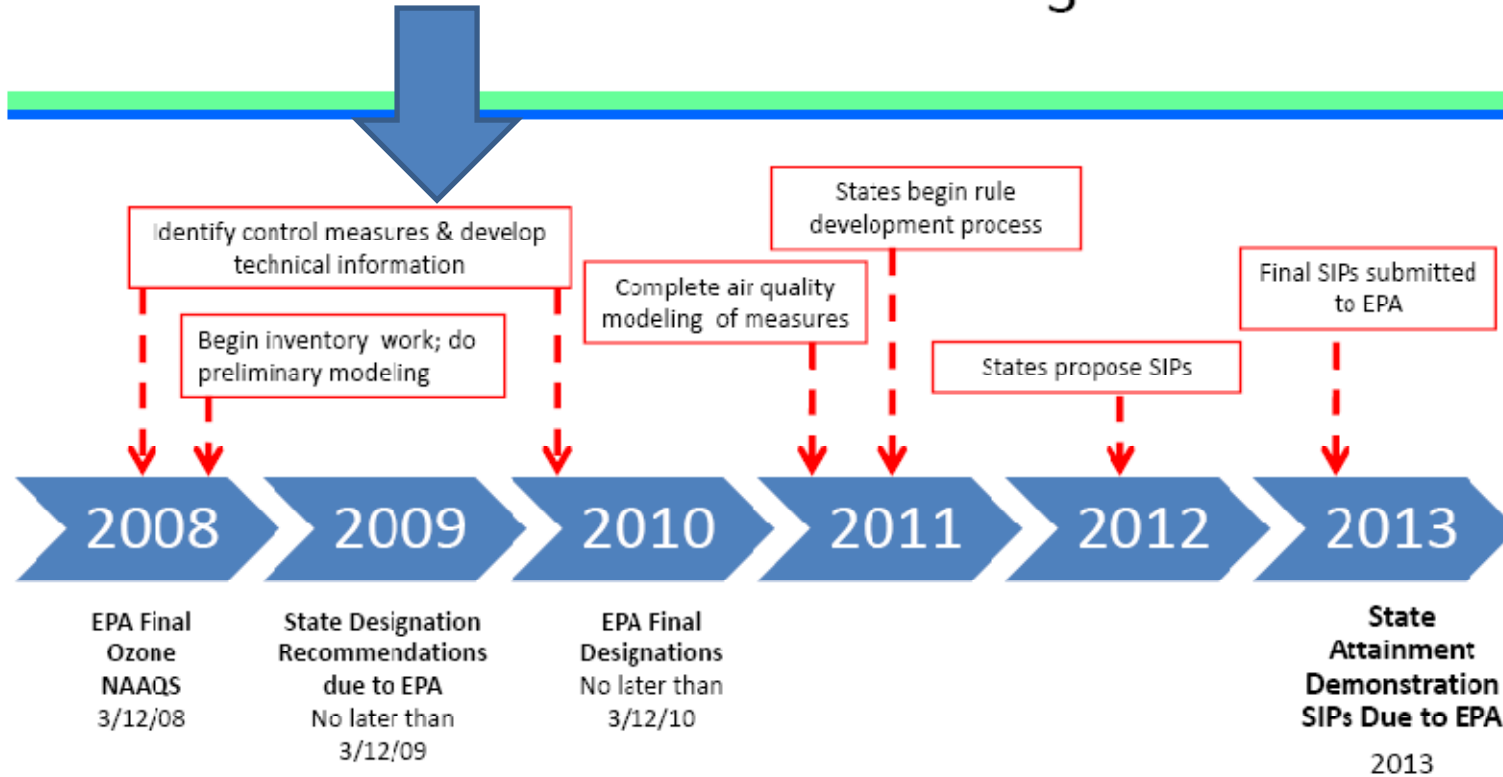
OTC Committee Meeting  
September 2009  
Buffalo, NY

# Stationary/ Areas Source: Overview

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- SIP planning timeline
- Summary sheets distributed
  - Purpose
  - NOx and VOC measures
- Other potential measures
  - Committee activities
  - Collaborative discussions
- Automotive refinish model rule
  - OTC process
  - Stakeholder comments

# SIP Timeline for New O<sub>3</sub> NAAQS



2008 Ozone NAAQS Attainment Dates 2013 - 2030

# Summary Sheets: part of the process

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- Presented white papers at the OTC Annual Meeting
  - Provided information for evaluating control measures
- New summary sheets
  - Guidelines for state rule development
  - Opportunity for public comment on specifics prior to the OTC Fall Commission Meeting
- No decision has been made to adopt these measures in the OTR

# Summary sheets: format

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- Sections in the summary sheets
  - Applicability
  - Definitions
  - Emissions Limits
  - Test Methods
  - Monitoring
  - Recordkeeping and reporting
  - Compliance Date
- Stakeholders recommend any additional sections?

# Summary sheets developed

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- NOx Measures
  - Ultra Low NOx Burners (ULNB)
    - Natural gas-fired industrial, commercial, and institutional (ICI) boilers, steam generators, process heaters and water heaters
  - Municipal Waste Combustors
    - Emission limit not yet specified
    - Evaluating the appropriate level of control
  - Stationary Generators

# Summary sheets developed

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- VOC Measures
  - Update of existing rules with new categories and limits
    - Architectural Industrial Maintenance (AIM) coatings
    - Consumer Products
    - Solvent Cleaning
  - Large above ground storage tanks

# Other Potential Measures

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- Boilers Serving EGUs
- Industrial, Commercial and Institutional Boilers (ICI) Boilers
- High Electric Demand Days (HEDD)
- Stage 1 and 2 gas station controls
- Energy Efficiency / Renewable Energy and Energy Security



# Potential Measures

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- Boilers Serving EGUs
  - Examined a possible performance standards for the last committee meeting in February
  - Evaluating the legal implications from the CAIR ruling
  - Working through State Collaborative efforts with the Midwest on recommendations for a CAIR replacements rule
  - Watching legislative debates for additional provisions for trading

# Potential Measures

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- Industrial, Commercial and Institutional Boilers (ICI) Boilers
  - Still under consideration
  - Developing a recommendation for national controls through State Collaborative efforts with the Midwest LADCO states.
  - Briefed EPA on a draft recommendation
  - Working on Technical Support Documentation
  - Additional information in Day 2 presentation

# Potential Measures

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- HEDD – High Electric Demand Days
  - Being evaluated by a Modeling Committee Subgroup, to better characterize emission form this category
    - Draft paper to be discussed in a Modeling Committee presentation
  - Includes the “Stationary Generator” and “Distributed Generation” sub categories
    - Comments received at the last committee meeting are under evaluation as part of this effort

# Potential Measures

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- Stage 1 and 2 gas station controls
  - Resolving compatibility issues with OBD systems
  - Examining variability among state rules and installations
  - Anticipating EPA guidance on interim solutions

# Potential Measures

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- Energy Efficiency / Renewable Energy and Energy Security
  - This is not a specific control measure
  - Working to define the role of state EE / RE statutory in State Implementation Plans (SIPs)
  - Considering the best way to describe as a Multi-Pollutant strategy
    - Including area source and future year inventories

# Stationary and Area Source

NOx Measure	State Rules	National Measure	Emissions Reduction	Cost
Boilers serving EGUs	DE, NJ, MA, MD	*	413 TPD OTR	\$1,100 - 8,700 per ton
New Small Gas Boilers	CA, TX	*	53 TPD OTR	\$3,300 to \$16,000 per ton
Municipal waste incinerators	NJ, MD	*	14 TPD OTR	\$2,140 per ton (SNCR)
HEDD EGUs	NJ	*	TBD	\$45,000 to \$300,000 per unit
Stationary Generator Regulation (DG)	DE, MA, MD, NJ	*	TBD	\$39,700 to \$79,700 per TPD
Minor New Source Review	DE, CT, MD, MA, NJ, RI	*	TBD	\$600 to \$18,000 per ton
Energy security / Energy efficiency	TBD	*	TBD	TBD

# Stationary and Area Source

VOC Measure	State Rules	National Measure	Emissions Reduction	Cost
AIM rule	CA	*	50 TPD OTR	\$2,240 per ton
Auto Refinishing	CA	*	21 TPD OTR	\$2,860 per ton
Consumer Products 2006	CA	*	19 TPD OTR	\$7,700 per ton
Lower VOC Solvent Degreaser	MD, CA	*	13 TPD OTR	\$1,400 per ton
Gas Stations	TBD	*	TBD	TBD
Large VOC Storage Tanks	MD, NJ	*	TBD	\$2,288 to \$29,000 per ton
Minor New Source Review	DE, CT, MD, MA, NJ, RI	*	TBD	TBD

# Automotive Refinish Model Rule

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- Evaluated as part of the OTC Control Strategies
  - See “Identification and evaluation of Candidate Control Measures; Technical Support Document” Feb 28, 2007
- Draft rule released at the February 4<sup>th</sup> 2009 OTC Committee Meeting
- Pennsylvania public process
  - NPCA comments dated August 14, 2009



# Automotive Refinish Model Rule

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- NPCA comments dated August 14, 2009
  - Implementation timing: Jan 1 2012
  - Categories
    - Cleaning Solvent Non- Reducers
    - Finish blenders
    - Solvent Cleaning
    - Talc
    - Metallic and Iridescent coatings
    - Thinning
  - Alternative compliance
  - Month / Year product dating
- OTC Committee reviewing comments

# Next Steps

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- Continue to work on developing the strategy summary sheets
  - Evaluate potential control strategies
- Continue to seek stakeholder input in strategy development
  - Asking for comments by September 24th
  - Prepare reports for OTC Fall Meeting 2009
- Provide information for air quality impact screening / sensitivity analysis
  - Coordinate with OTC Modeling Committee