



Department of the Environment

OTC Regional Control Measures Being Developed With States



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MWAQC TAC Meeting

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Topics

- Summary of February 2006 OTC Meetings
- Update on control measures being discussed
- Action Items: What model rules are going to be worked on next?
- Next series of OTC Meetings in June = modeling results, control measure analysis, etc.



OTC Control Strategy Work

- Multi-Pollutant Program Development
 - EGU and ICI Boilers
 - Intra- and Inter-Regional Coordination
- Control Measure Analysis and Development
 - RACT Update - 16 Plus fruitful categories
 - RACT Benchmark – ID Most Stringent in OTR
 - Identification of New Measures
- Corridor Approach to Diesel/Auto Emissions



Most Promising Areas to Model Based on 2002 Inventory and 2009 Projections

- Point Sources:
 - Industrial, Commercial and Institutional Boilers
 - Cement Kilns
 - Lime Kilns
 - Municipal Waste Combustion
 - Petroleum Refining
 - EGU Peaking Units
 - Small Diesel Generation



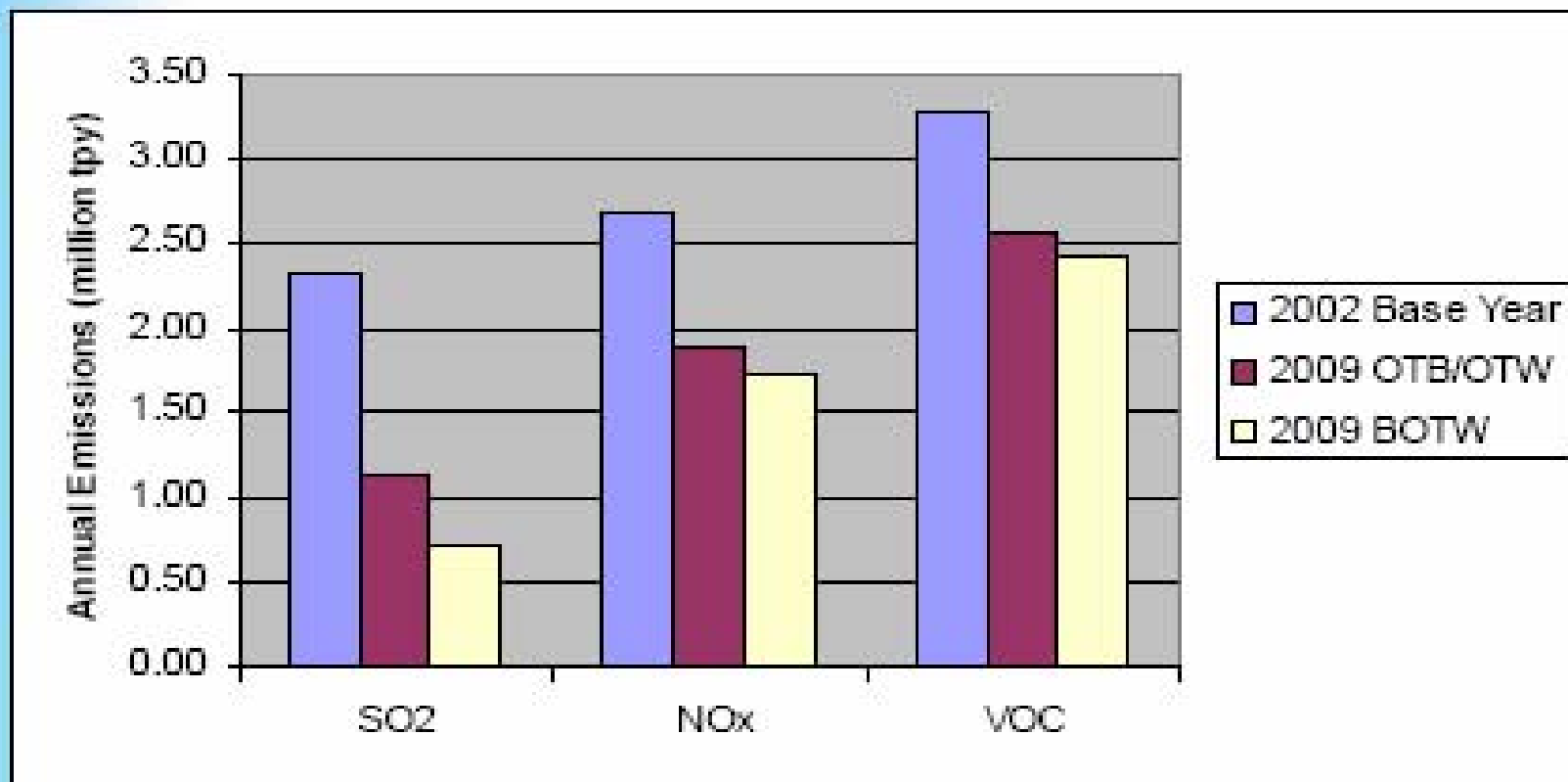
Most Promising Areas to Model Based on 2002 Inventory and 2009 Projections

- Area Sources:

- Residential Coal
- Residential Wood
- Open Burning
- Cutback Asphalt
- Architectural, Traffic Markings, Industrial Maintenance Coatings
- Consumer Products
- POTWs
- Degreasing
- Printing and Graphic Arts
- Metal Production
- Stage 1 Vapor Recovery
- Adhesives
- Auto Refinishing



Control Measure Reduction Estimates





RACT Work

Area	Asphalt Paving
	Autorefinish Coatings
	POTWs
	Adhesives
Point	Asphalt Production Plants
	Cement Kilns
	Lime Kilns
	Glass/Fiberglass Furnaces
	Municipal Waste Combustion
	Petroleum Refineries
	Metals Productions
	Peaking Units
Point/Area	Degreasing
	Printing and Graphic Arts
	Industrial Surface Coating



Multi-P Straw Proposal

	Pollutant	OTC National Cap (tons)	Required National Emission Rate (lb/MMBtu)	Mid-West RPO EGU White Paper Proposal (2009/2013)		Straw Proposal
				EGU1	EGU2	
NO _x	Phase I (2008)	1,870,000	0.13	0.15	0.12	0.12 (2009)
	Phase II (2012)	1,280,000	0.09	0.10	0.07	0.08 (2012)
SO ₂	Phase I (2008)	3,000,000	0.21	0.36	0.24	0.24 (2009)
	Phase II (2012)	2,000,000	0.14	0.15	0.10	0.14 (2012)

Heat Input (2000) 29,221,854,977



February OTC Meeting

Summary of Mobile Measures

- Mandatory Chip Reflash
- Reformulated Gas
- Adopt CA Diesel Fuel Regulation
- Diesel Retrofits in the OTR
- Voluntary Measures

Possible Voluntary Measures

- Electrification of ground service equipment at airports and cargo handling equipment at shipbuilders and ports
- Reduced licensing fees and/or EZ Pass discounts for green vehicles, i.e., those that have done retrofits
- Lawnmower/garden equipment replacement incentives
- OTC is investigating these and other options

ACTION ITEMS

- Letter to EPA on small engines
- Model Rule for Phase II Consumer Products
- Model Rule on Phase II AIM
- Model Rule for Chip Reflash

ACTION ITEMS

- Model the following measures for 2009:

Architectural, Industrial Maintenance (AIM) coatings

Asphalt Paving

Asphalt Production Plants

Auto Refinish Coatings

Consumer Products, including Portable Fuel Containers (PFCs)

Diesel Truck Chip Reflash

Electrical Generating Units (EGUs)

EGU Peaking Units

Glass Furnaces

Lime Kilns

Cement Plants

ICI Boilers

Municipal Waste Combustors

Refineries

A Regional Fuel based on reformulated gasoline options.

THE STATE COLLABERATIVE

- High level collaborative between the OTC states and the Midwest States
- Looking for “super-regional” initiatives
- More to discuss in the June, 2006 timeframe