

Update on Attainment Work in OTR

Presented by

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New Jersey DEP

June 7-8 OTC 2005 Annual Meeting

Burlington, VT



Attainment Needs

- Multiple SIP obligations:
 - CAIR
 - Eight-hour Ozone
 - PM_{2.5}
 - Regional Haze
- OTC's Role
 - Focus on Attainment
 - Ozone in the context of multi-pollutant
 - Facilitate work for the states

SIP Timeframes

Date Due to EPA	SIP Component
Jun-06	<ul style="list-style-type: none"> - 2002 Emission Inventory - Ozone RACT SIP (due date may be moved to June 2007) - Ozone NSR SIP
Sep-06	<ul style="list-style-type: none"> - CAIR SIP
Jun-07	<ul style="list-style-type: none"> - Emission Projections - Ozone Reasonable Available Control Measures - Ozone RFP/ROP (if needed) - Ozone Attainment Demonstration - Ozone Transportation Conformity Budgets - Ozone Mid Course Review (if needed) - PM2.5 Mid Course Review (if needed)
Jan-08	<ul style="list-style-type: none"> - Regional Haze SIP for first milestone, including Best Available Retrofit Technology, natural background, progress goal for 2018 milestone, 2013 progress projection, control strategy plans, contribution assessment and modeling
Apr-08	<ul style="list-style-type: none"> - PM2.5 RACT - PM2.5 RACM - PM2.5 RFP - PM2.5 NSR SIP - PM2.5 Attainment Demonstration - PM2.5 Transportation Conformity Budgets

Regional Coordination

- Planning
- Inventory
- Control Measure & Strategy Development
- Modeling & Weight-of-Evidence

Planning

Task	Workgroup	Leader
Planning & SIP Development (OTC Control Strategy Committee)		
Overall Leaders: Chris James (AD) / Tonalee Key (State) / Leah Weiss (Staff)		
Regional Inventory		
Overall Leaders: Chris Salmi (AD) / Ray Papalski (State) / Serpil Kayin (Staff)		
2002 Regional Modeling Inventory	M-V EI Workgroup	Overall Leader: Serpil Kayin
Regional Projection Inventories - 2009, 2013 & 2018	MARAMA M-V EI Workgroup	Overall Leader: Ray Papalski
EGU Projections	M-V EGU Forecast Subgroup	Overall Leader: Andy Bodnarik
Non-EGU Projections	M-V Non-EGU Projection Subgroup	Overall Leader: Wick Havens
Control Measures		
Overall Leaders: Ali Mirzakhali (AD) / State-various / Tom Frankiewicz (Staff)		
Point & Area Sources		
NOx & VOC RACT - RACT Update	OTC Control Measure Analysis Wkgrp	Overall Leader: Rob Sliwinski
NOx & VOC RACT - RACT Benchmark	OTC Control Measure Analysis Wkgrp	Overall Leader: Rob Sliwinski
EGU - Multi-P	OTC Control Measure Analysis Wkgrp	Overall Leader: Tad Aburn
EGU - Load following (peaking) units		Overall Leader: Chris James
NSR – Major Source thresholds		Overall Leader:
Other Point & Area Source Control Measures - VOC, NOx	OTC Control Measure Analysis Wkgrp	Overall Leader:
AIMs and Consumer Products		Overall Leader: Ali Mirzakhali (Gene)
RACT for refineries		Overall Leader: MARAMA

Planning (continued)

Mobile Sources		
Clean Corridor	NESCAUM Clean Corridor Workgroup	Overall Leader: Mike Fitzgerald & Glen Goldstein (NESCAUM)
Other Mobile Source Control Measures - VOC, NOx	OTC Mobile Source Committee	Overall Leader: Steve Flint
Ozone Modeling & Weight of Evidence		
Overall Leaders: Barbara Kwetz (AD) / Gopal Sistla (State) / Tom Frankiewicz (Staff)		
Meteorology	OTC Modeling Committee	Overall Leader: Mike Woodman
Processed Emission Inventory Files	OTC Modeling Committee	Overall Leader: Gopal Sistla
Ozone Calgrid Runs	OTC Modeling Committee	Overall Leader: Jeff Underhill
Ozone Model Runs	OTC Modeling Committee	Overall Leader: Gopal Sistla
Ozone Weight of Evidence Discussion	OTC Modeling Committee	Overall Leader: Steve Dennis & Gary Kleinman (NESCAUM)

Inventory

- 2002 regional base year inventory is complete
- Currently working on projection of 2002 inventory to 2009, 2012 and 2018

Control Measure & Strategy Development

- Multi-Pollutant Program Development
- Control Measure Analysis & Development
 - RACT Update
 - Identification of New Control Measures
 - RACT Benchmark
- Corridor Approach for Diesel Emissions

Modeling & Weight-of-Evidence

- Modeling is driving the timeline
- Attainment demonstrations to use weight-of-evidence approach

Next Steps

- Fall 2005:
 - Control Strategy Screening Model Runs
 - Future Year (Base Case) Modeling
- Spring 2006
 - Control Strategy Analysis and Recommendations
 - Preliminary SIP Modeling
- Winter 2006
 - Control Measure Support (e.g., model rules)
 - Final SIP Modeling



The End

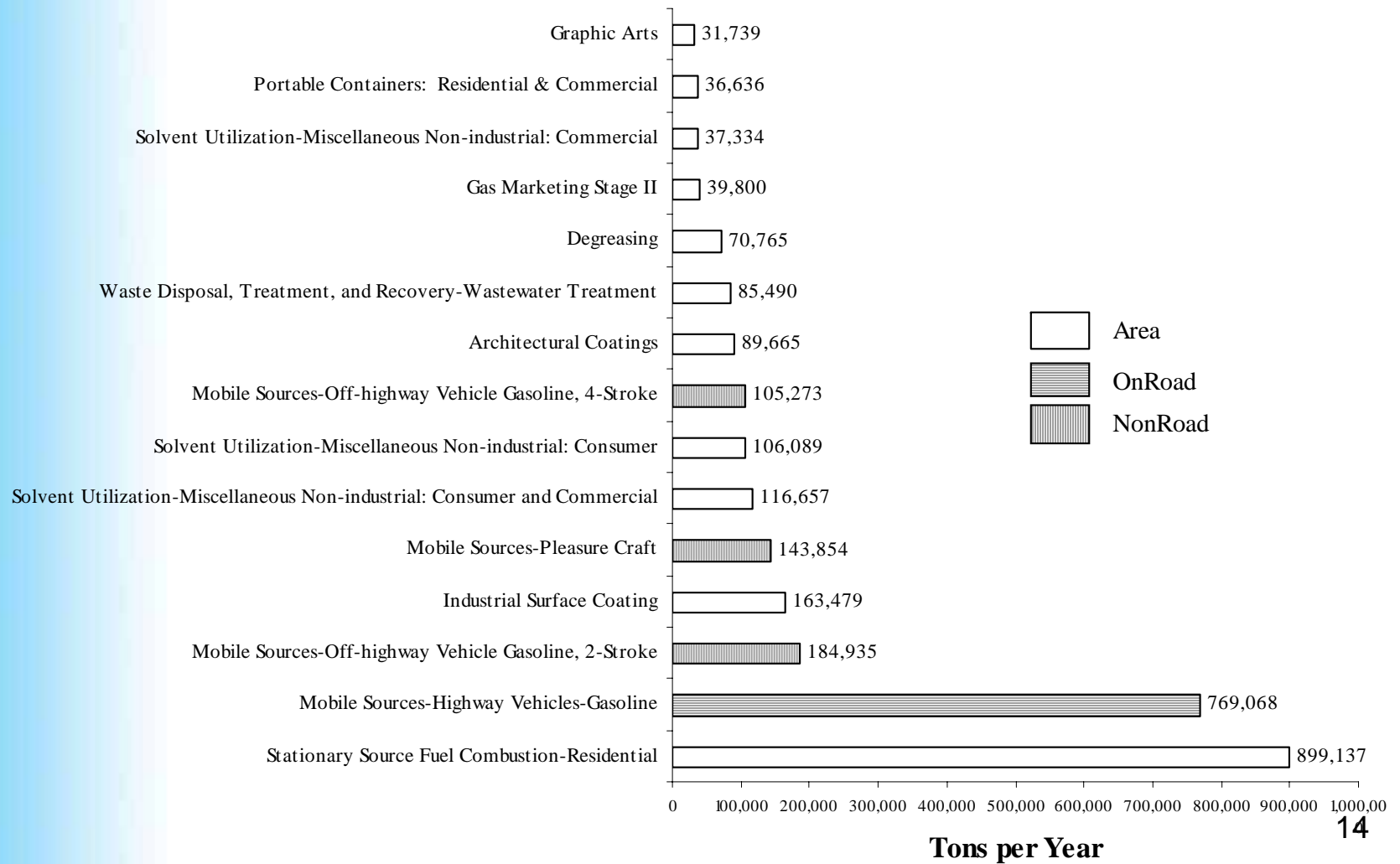
So little time...





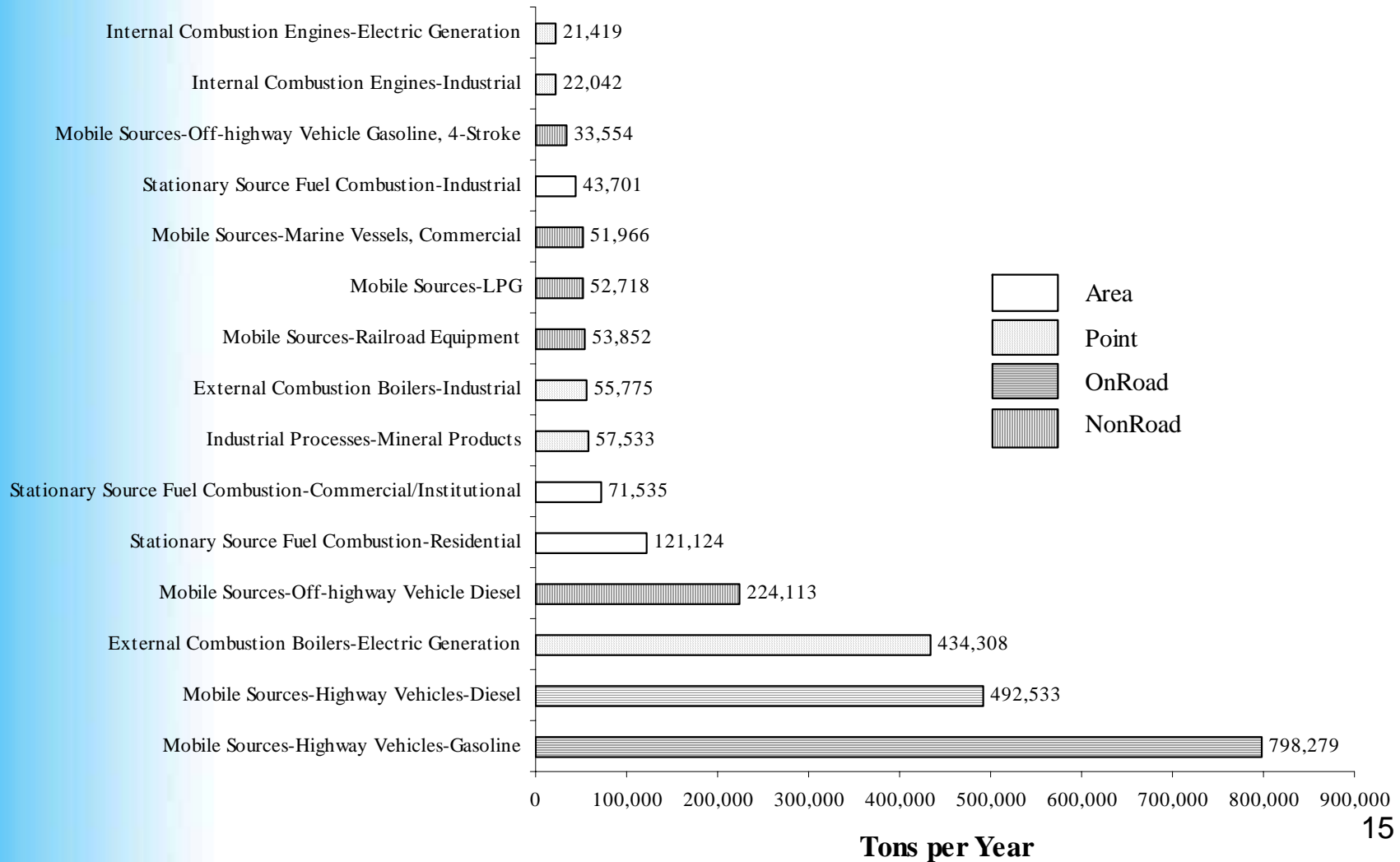
Inventory - VOC

2002 MANE-VU Region VOC Emission Inventory Top 15



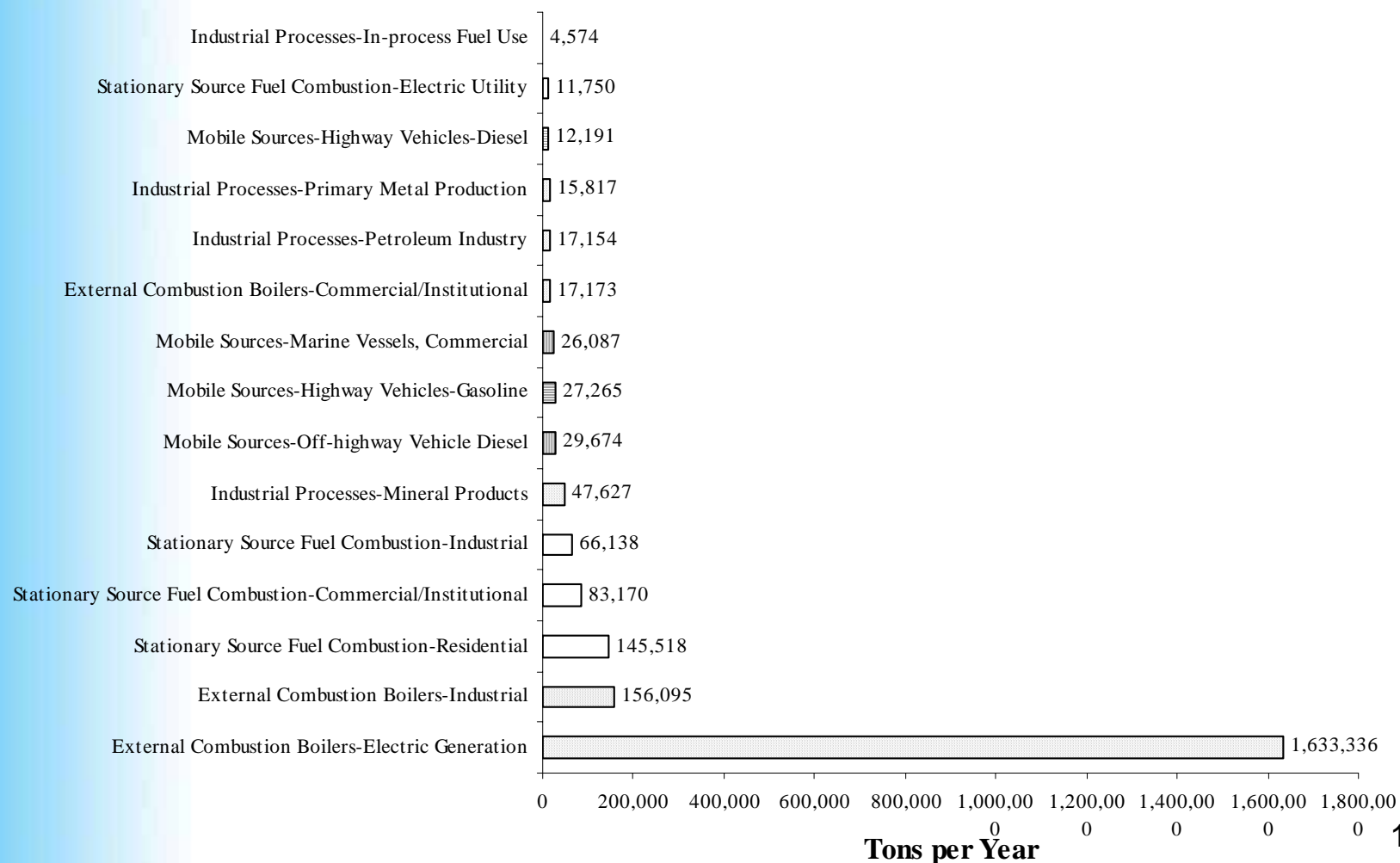
Inventory - NO_x

2002 MANE-VU Region NO_x Emission Inventory Top 15



Inventory - SO₂

2002 MANE-VU Region SO₂ Emission Inventory Top 15



Inventory - PM_{2.5}

2002 MANE-VU Region PM_{2.5} Emission Inventory Top 15

