



# Mobile Source Control Measures in the OTR



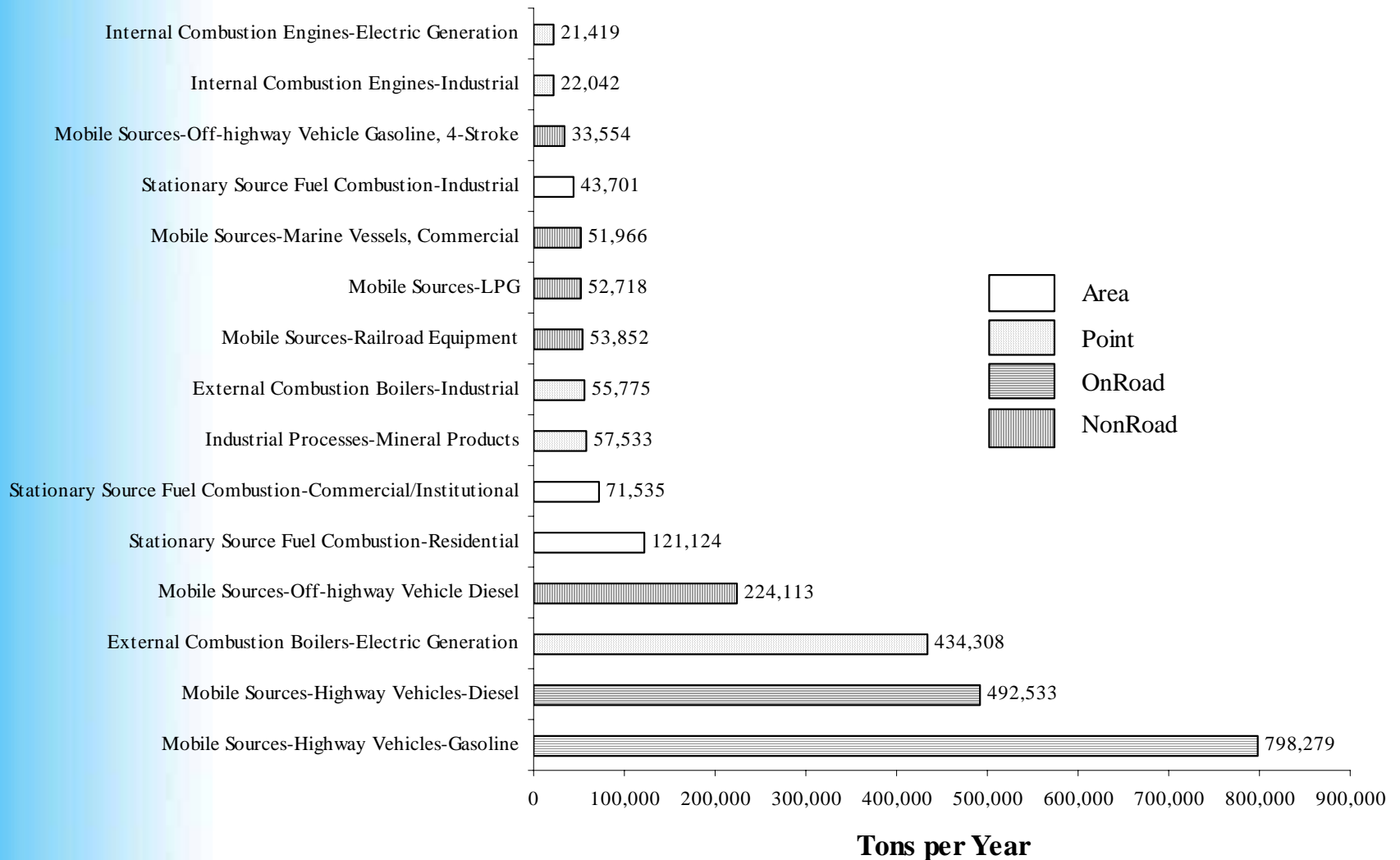
November 15, 2006

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- Emission Inventory
- Programs and Measures Ongoing in the OTR States
  - Examples from NJ and MD/DC
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- Results from State, Local and Federal Actions

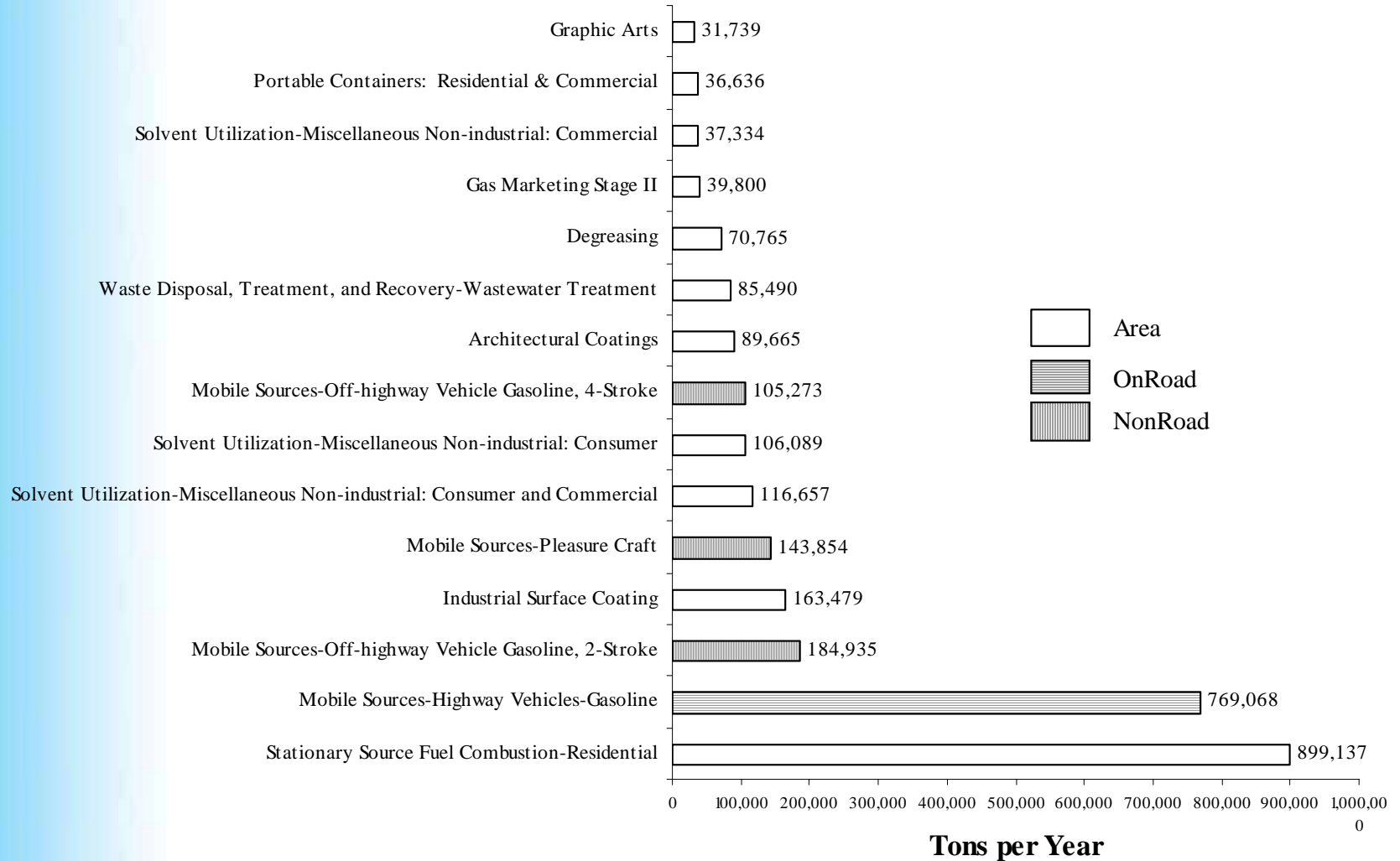
# Inventory - NO<sub>x</sub>

## 2002 MANE-VU Region NO<sub>x</sub> Emission Inventory Top 15



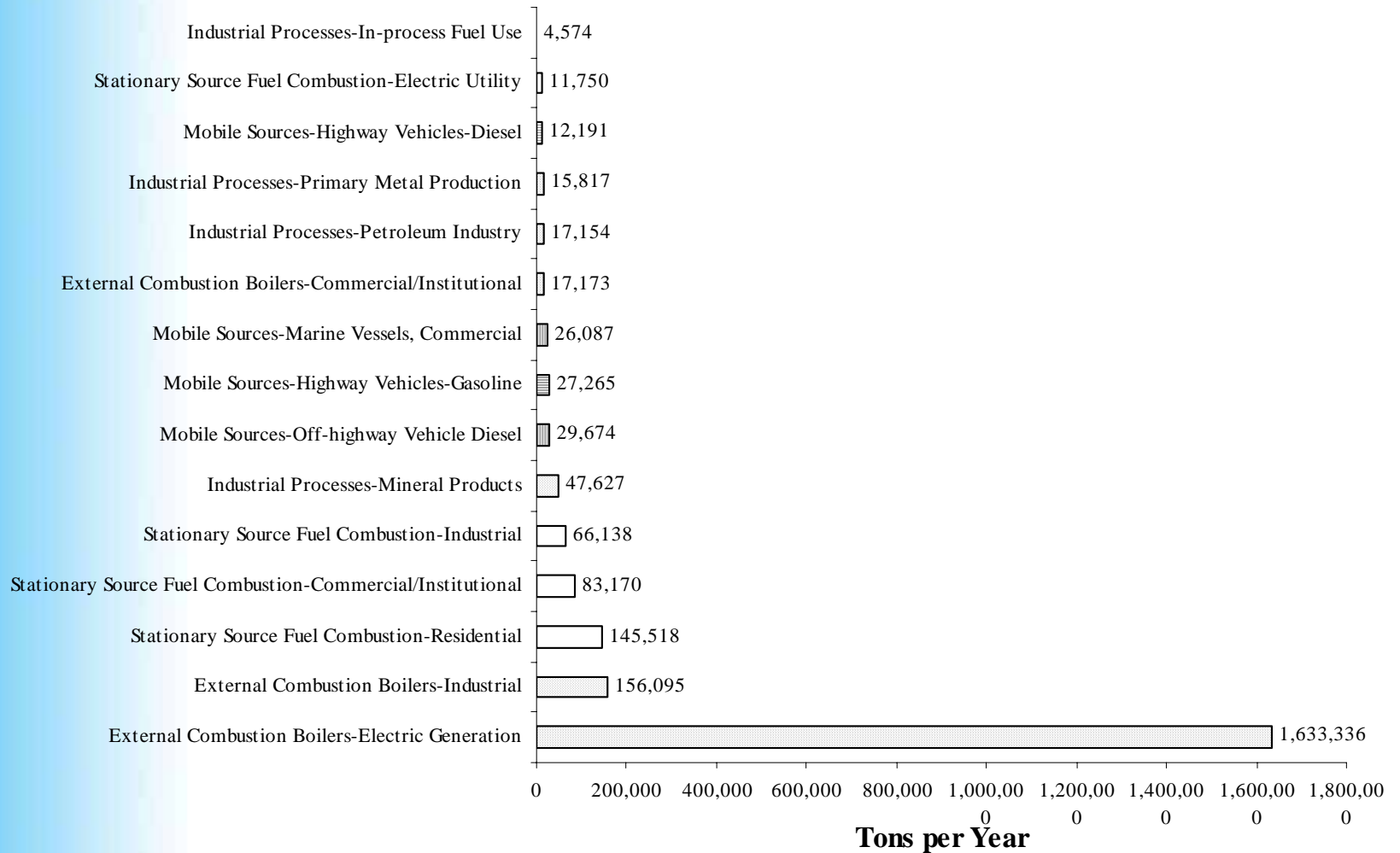
# Inventory - VOC

2002 MANE-VU Region VOC Emission Inventory Top 15



# Inventory - SO<sub>2</sub>

## 2002 MANE-VU Region SO<sub>2</sub> Emission Inventory Top 15



# Gasoline Vehicles

- California Low Emission Vehicle (LEV) Program
- Clean Fuels
  - Reformulated Gasoline
  - Alternative Fueled Vehicles
  - Regional Clean Gasoline
- Inspection and Maintenance Programs
- Ozone Action Day Programs

# Diesel Vehicles

- Not-to-Exceed (NTE) Standards
- Federal Ultra Low Sulfur Diesel Fuel
- Alternative Fueled Vehicles
- Heavy Duty Diesel Inspection and Maintenance
- Idling Reductions
  - Rules
  - Truck Stop Electrification (TSE)
- Particle Retrofit Programs

# Transportation Systems

- Conformity Credit vs SIP Credit
- “Smart Moves for Business” (NJDOT)
  - Alternative Work Schedules
  - Guaranteed Ride Home
  - Telecommuting
  - Vanpools, Carpools, Biking, Walking
- Transit & Connectivity of Existing Systems



# Creative Opportunities

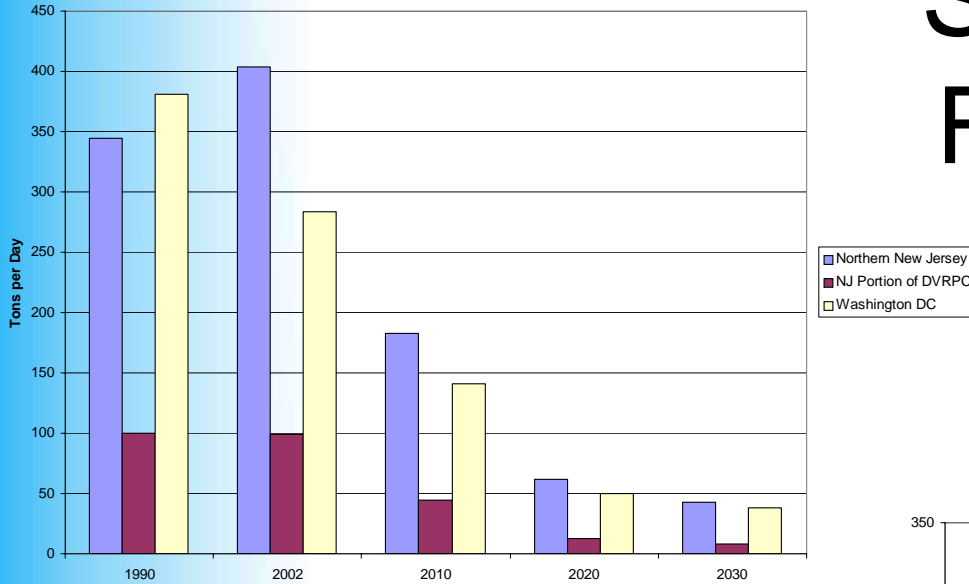
- Gas Can Replacement Programs
- Lawn Mower Replacement Programs
- Permit Conditions / General Conformity Requirements
  - NYC / NJ Harbor – Ferries, Tug Boat Repowering
  - Xanadu (NJ)

# Future Actions

- Chip Reflash Program
- Low Emission/NOx Diesel Additive Program? (TX and CA example)
- Federal – Small Engines ?
- Federal – Marine and Locomotive ?

# Results from State, Local and Federal Actions

NOx Emissions in Selected MPOs



VOC Emissions in Selected MPOs

