



# Overview of the 2002 Periodic Emissions Inventory

MWAQC

May 26, 2004

# Overview

- Background of PEI
- Contents of 2002 PEI
- Comparison to 1990 Base Year Inventory
- Next Steps

# Background

- PEI – A Clean Air Act requirement for Non-attainment areas
- Actual emissions inventories developed on a three-year cycle for submission to EPA.
- Last PEI for Washington, DC-MD-VA NNA was submitted in 1999.
- These inventories include emissions of ozone precursor compounds (VOC & NO<sub>x</sub>) and carbon monoxide.
- 2002 PEI Data to be submitted in NIF3.0 format to EPA.

# Purpose

- States of Maryland, Virginia and the District and EPA will be using the 2002 emissions inventories as the baseline inventories for 8-hour ozone and PM<sub>2.5</sub> air quality standards attainment plans and attainment demonstration modeling purposes.

# Estimated Actual Emissions



Monitored Point Source  
Emissions



MOBILE 6.2 and Travel  
Demand Model v. 2.1C

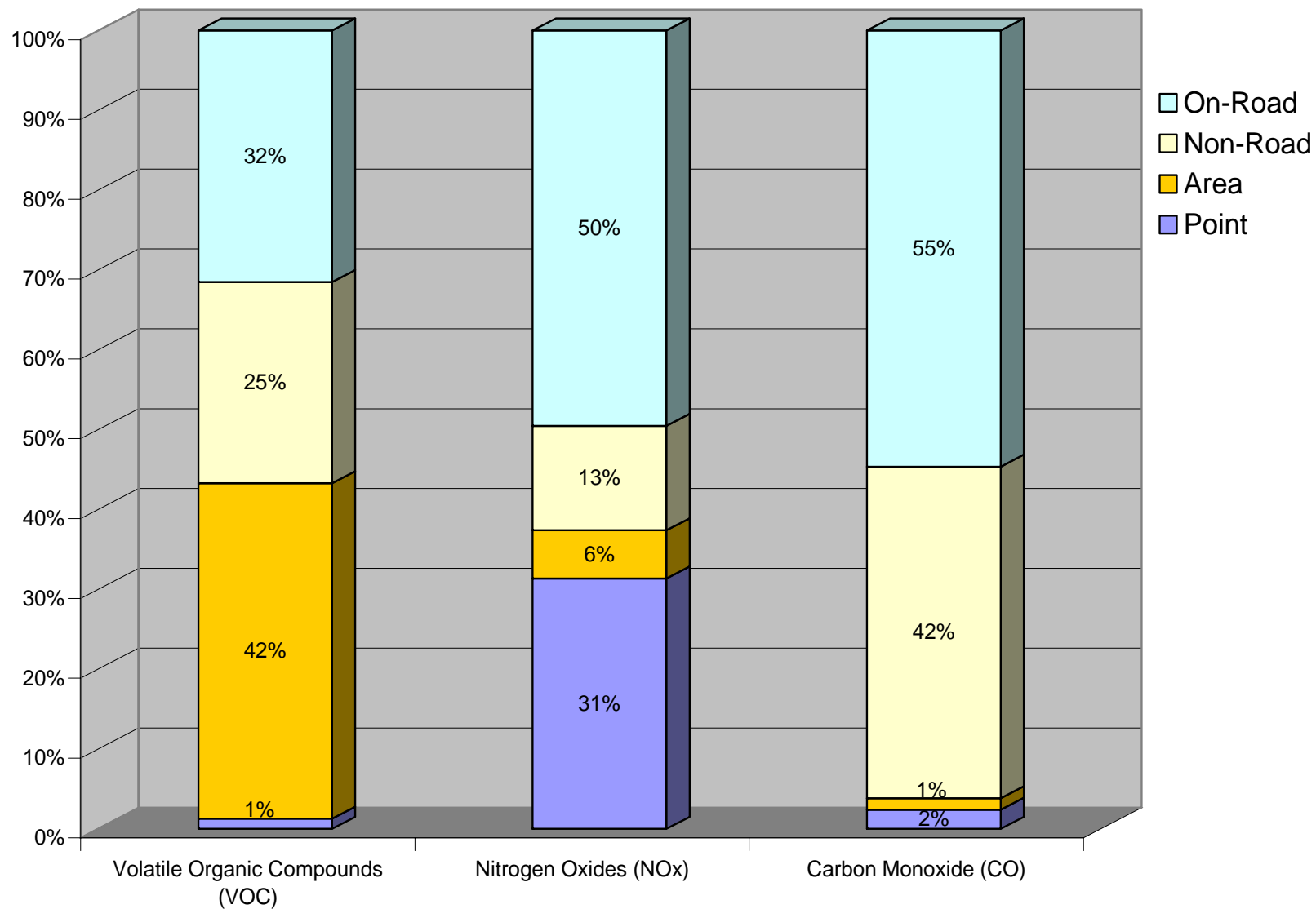


Emission Factors  
2002 Actual Activity Data

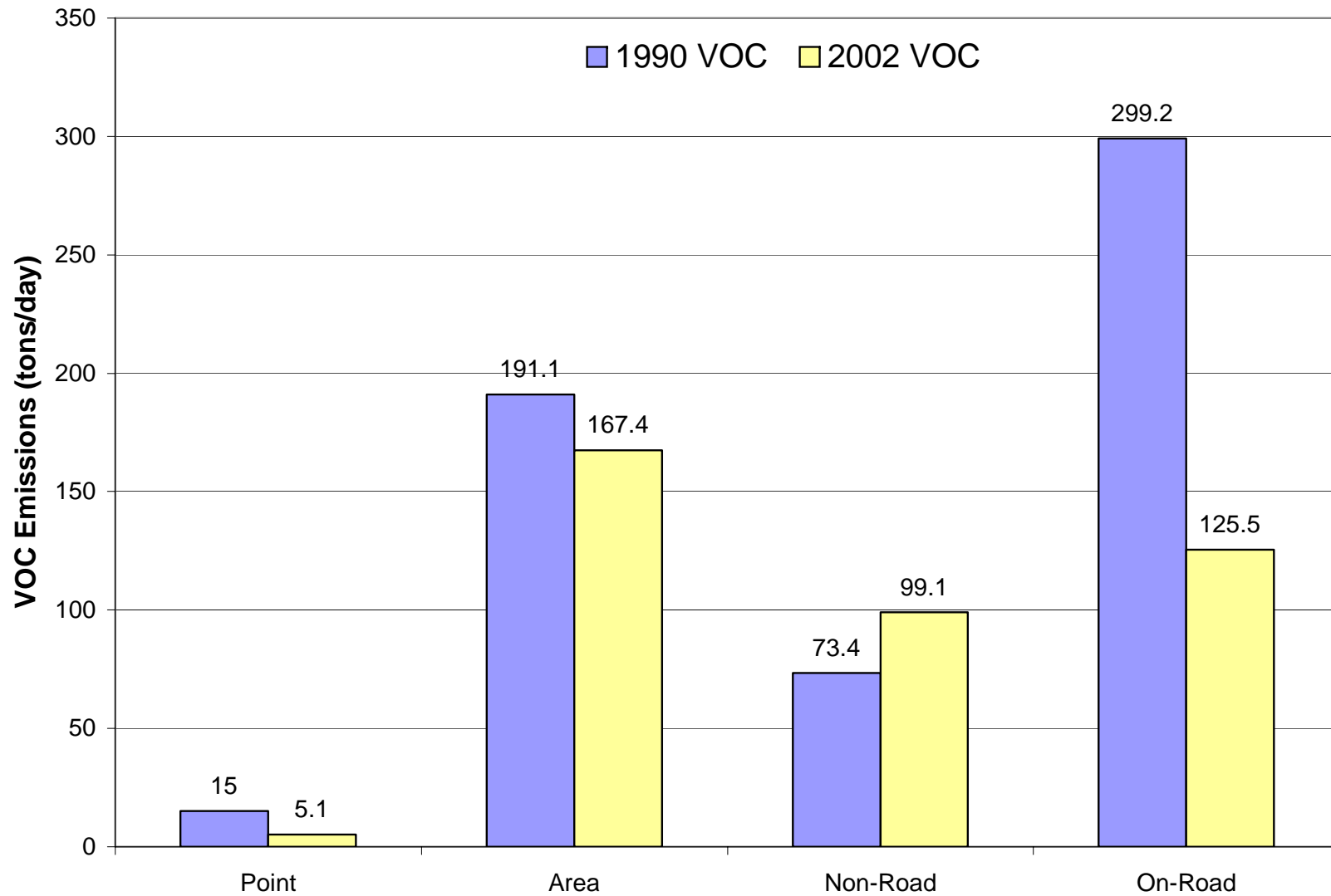


EPA NONROAD Model

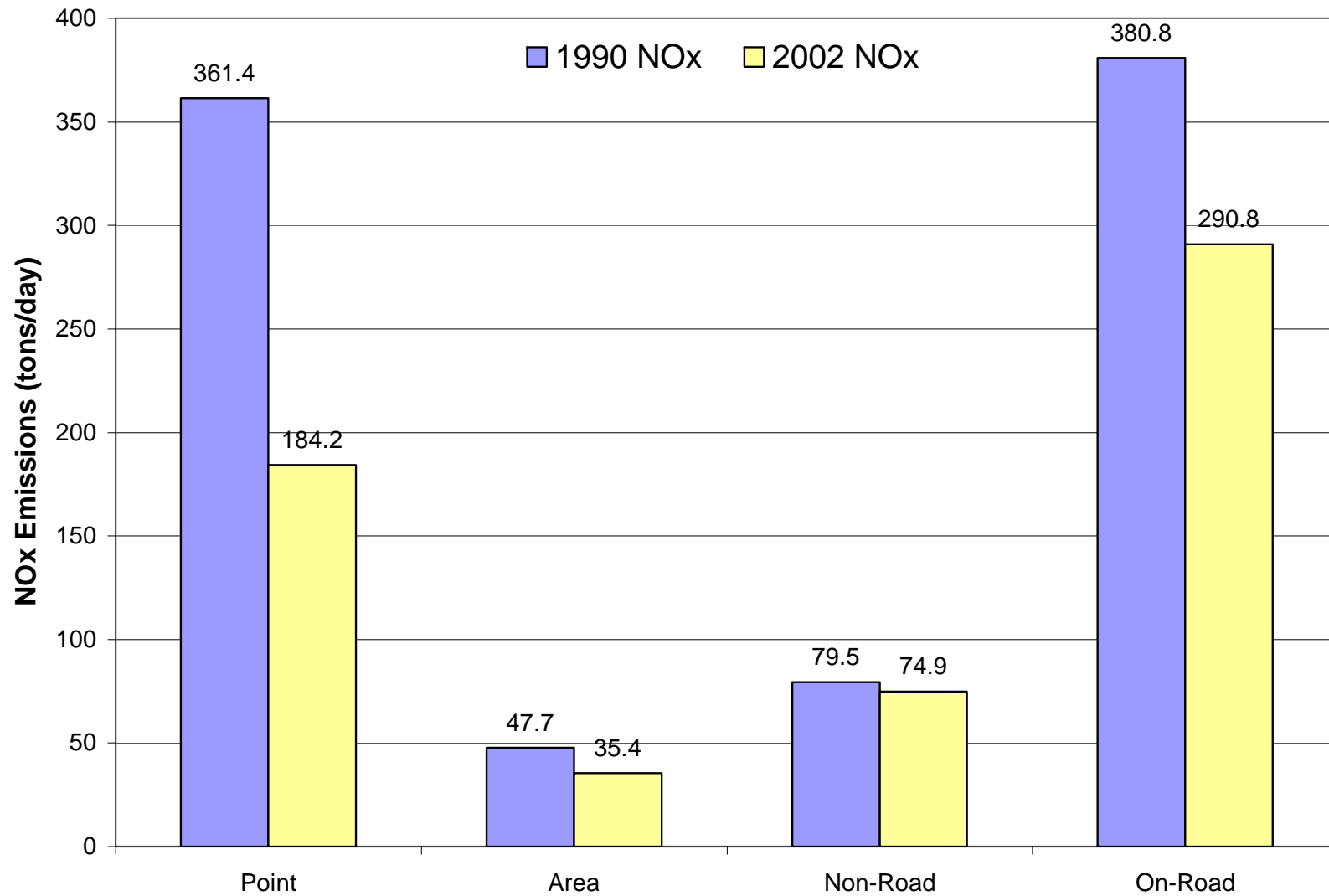
# 2002 Emissions by Source Sector



# VOC Emissions: 1990 vs. 2002

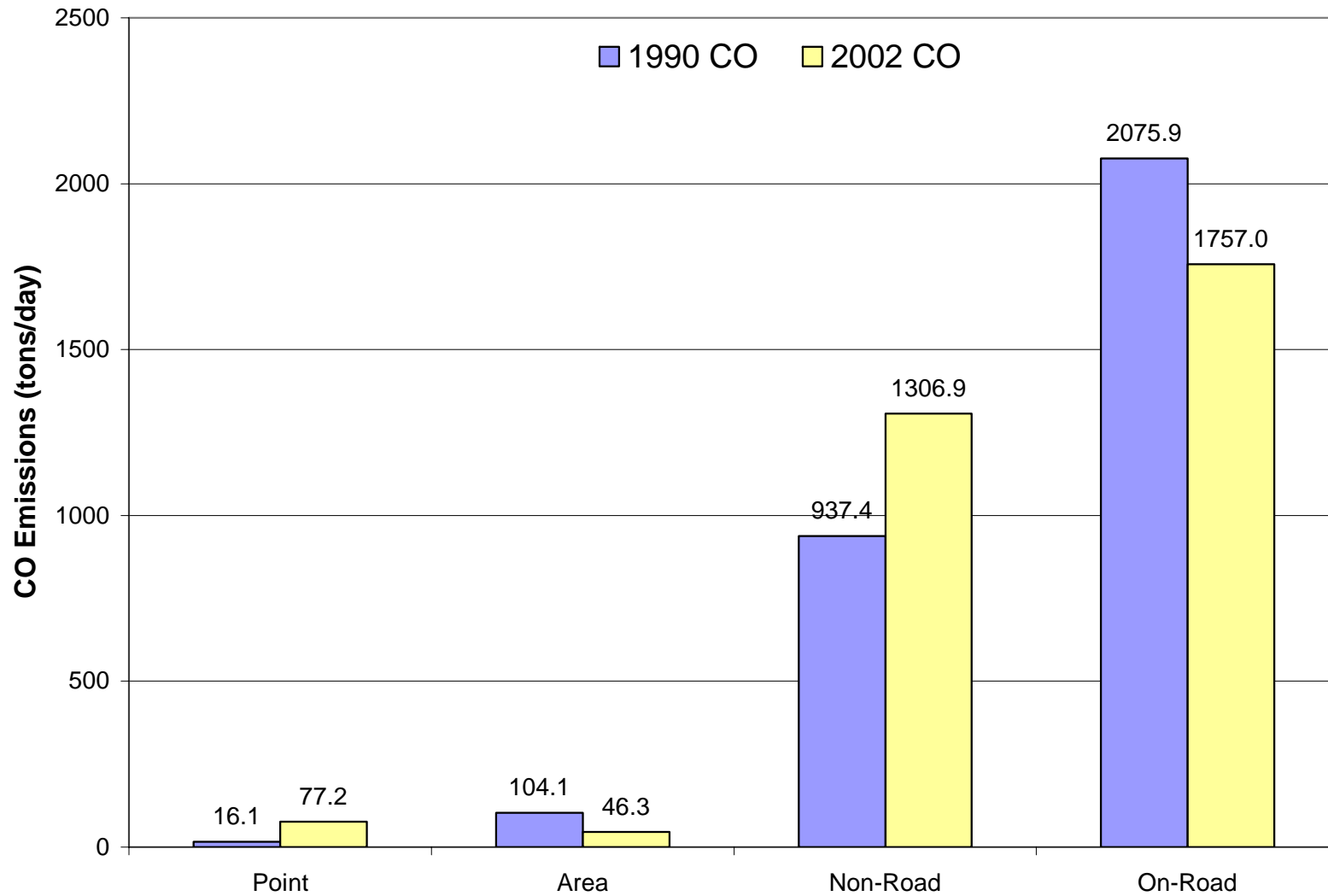


# NOx Emissions: 1990 vs. 2002





# CO Emissions: 1990 vs. 2002



# Next Steps

MWAQC review May 26

States submit to EPA by June 1

