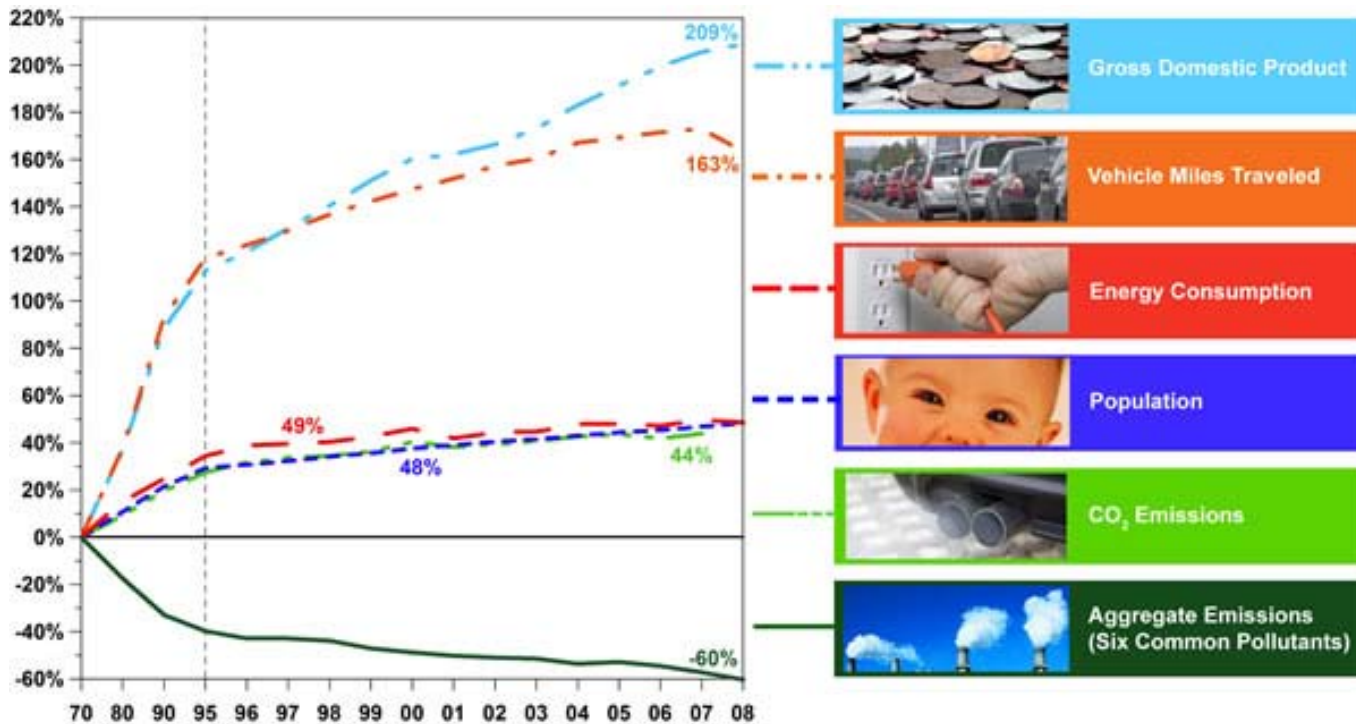


# Air Quality Trends and Current Policy Choices

**Steven F. Hayward**  
American Enterprise Institute



# Comparison of Growth Measures and Emissions

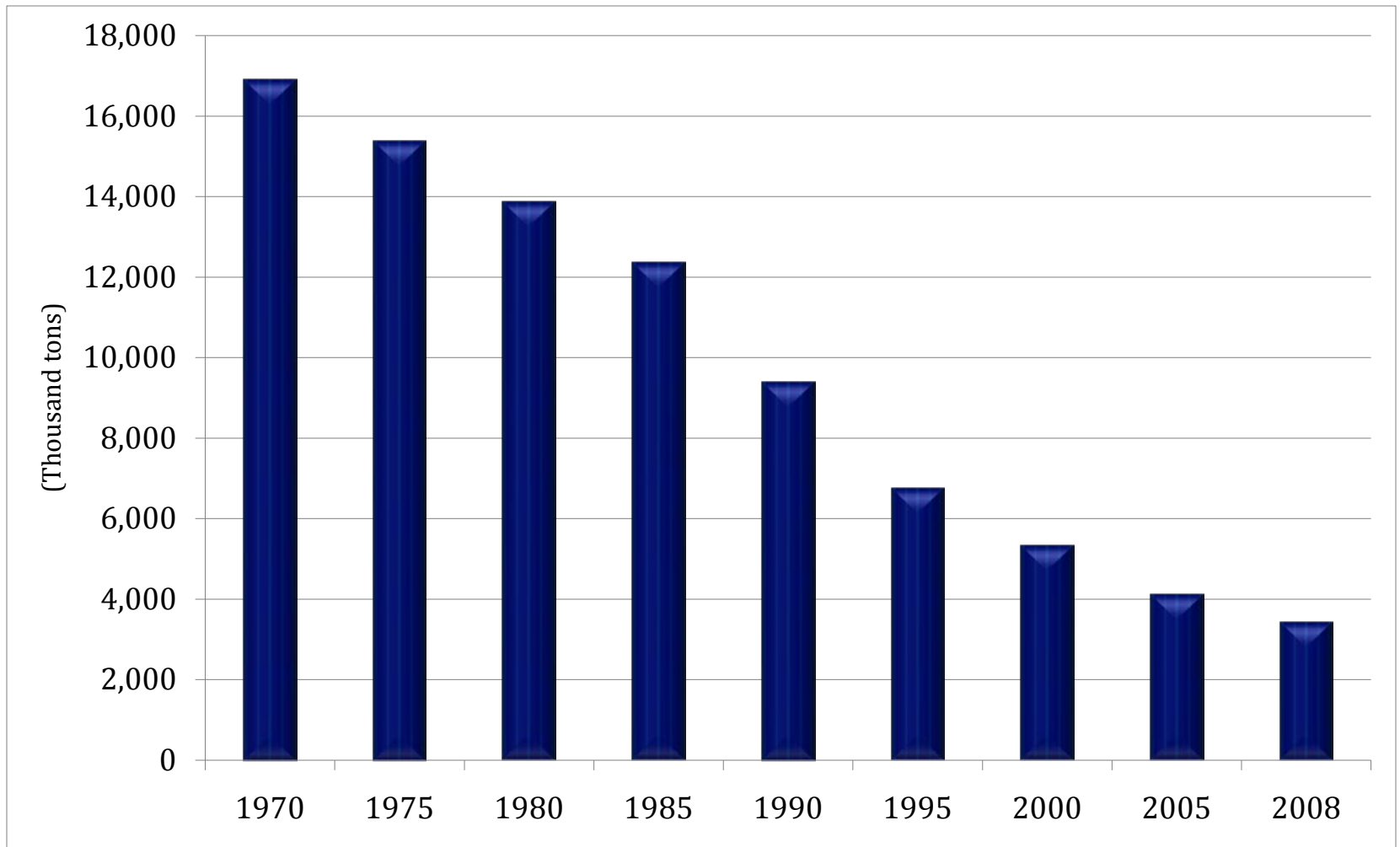


# Changes in National Average Ambient Levels and Emissions

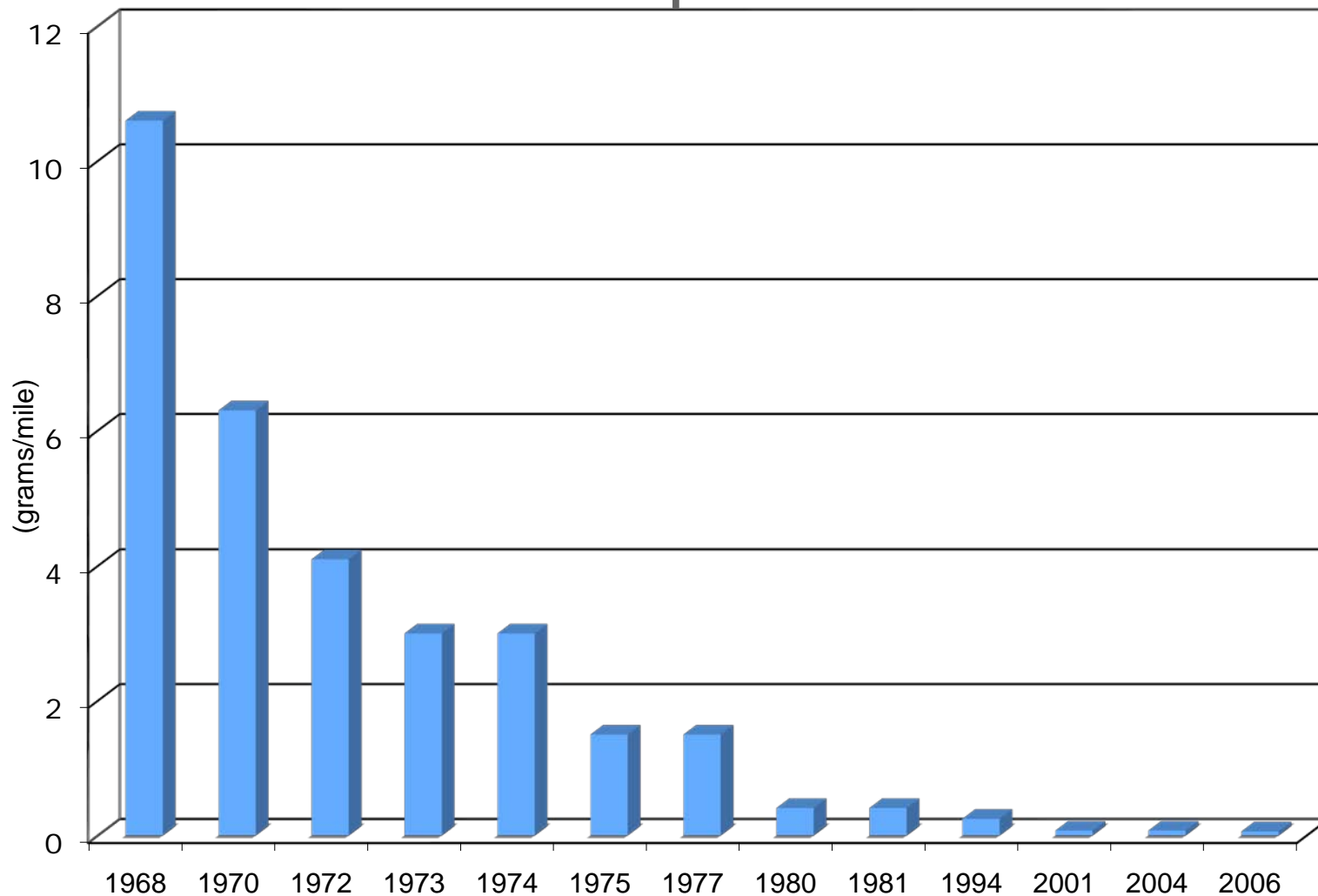
	Ambient	Emissions
Carbon Monoxide (CO)	-79%	-58%
Ozone** (O <sub>3</sub> )	-25%	-49%
Lead (Pb)	-92%	-96%
Nitrogen Dioxide (NO <sub>2</sub> )	-46%	-40%
Particulates (PM <sub>10</sub> ), 1985 – 2008	-31%	-46%
Fine Particulates (PM <sub>2.5</sub> ), 1999 - 2008	-21%	-36%
Sulfur Dioxide (SO <sub>2</sub> )	-71%	-56%

**Table 1. Change in National Average Ambient Levels and Emissions, 1980 – 2008\***

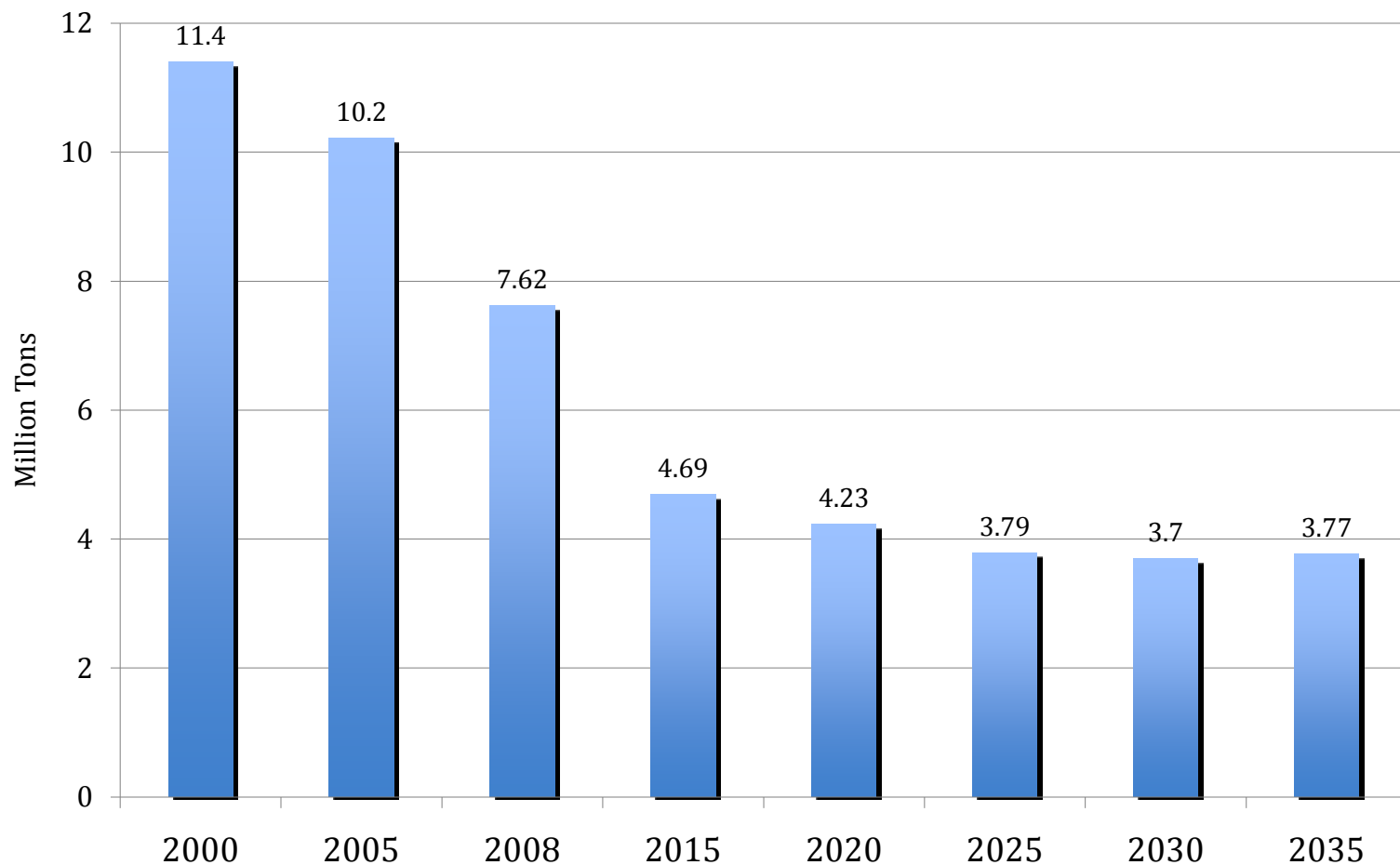
# VOCs from Cars & Trucks



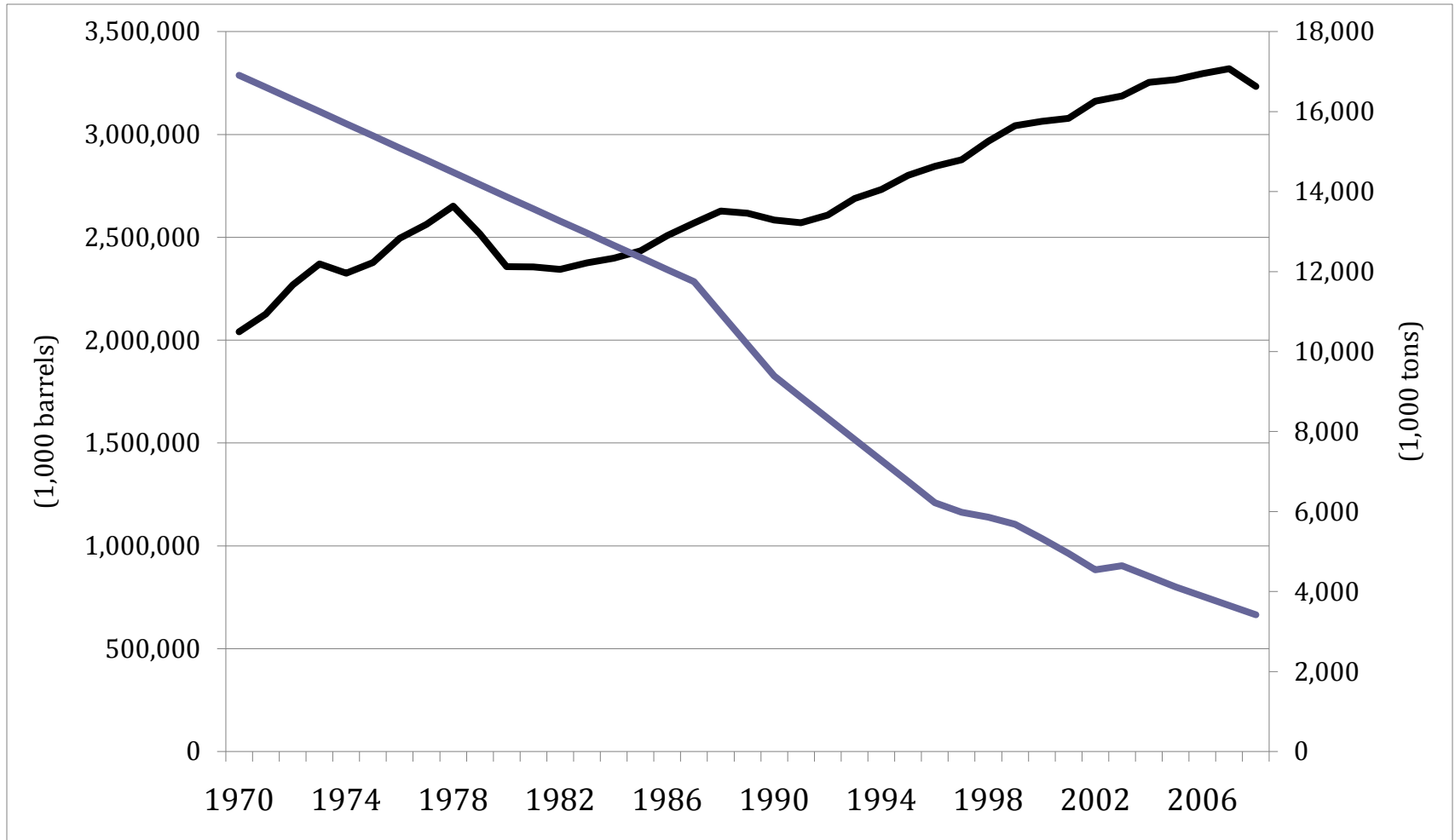
# Automobile Hydrocarbon Emissions Rate per Mile



# Projected SO<sub>2</sub> Emissions from Coal Fired Power Plants



# Motor Fuel Use and VOC Emission Trends

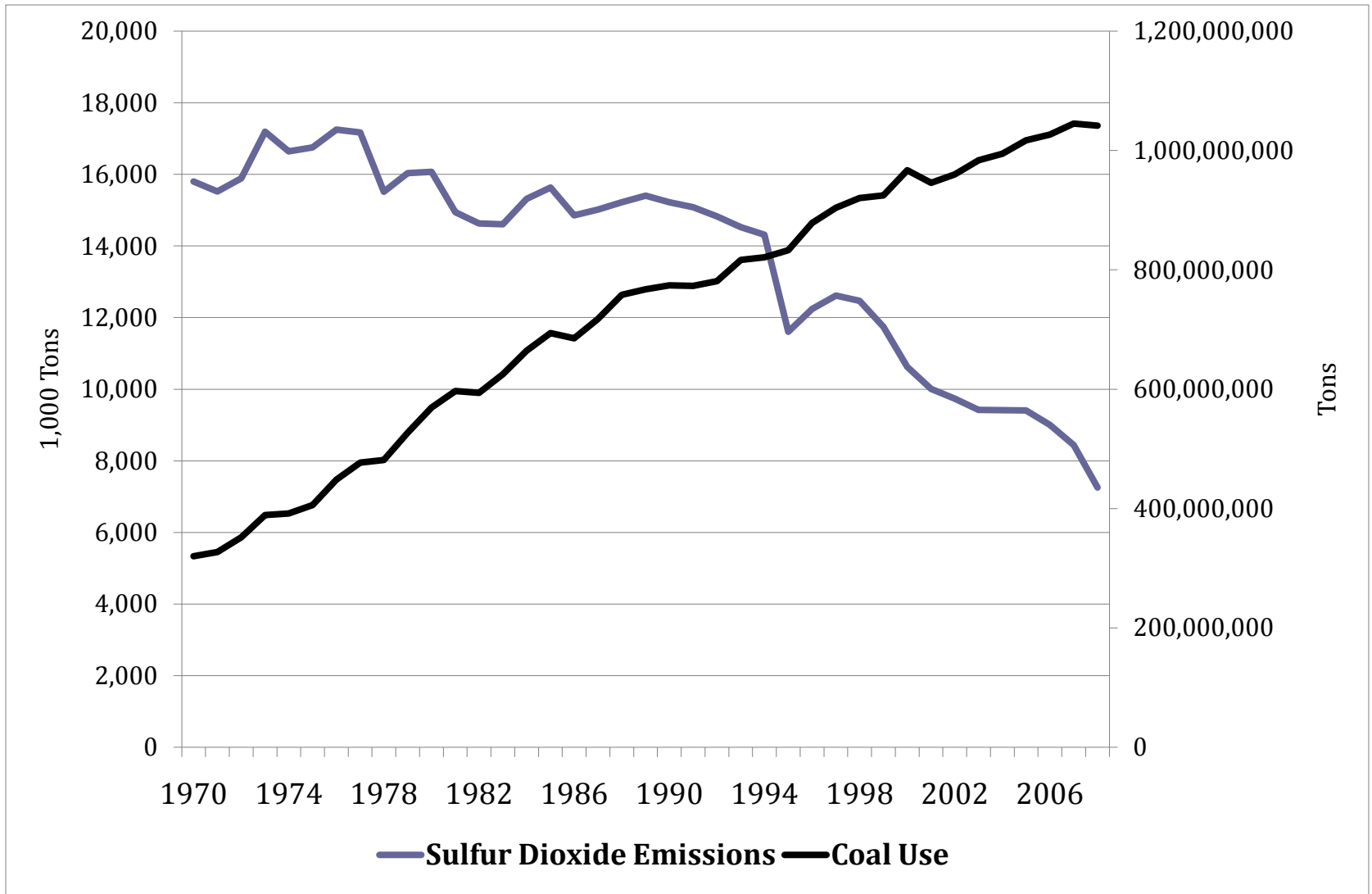


Fuel Use — (Left Axis)

VOC Emissions — (Right Axis)

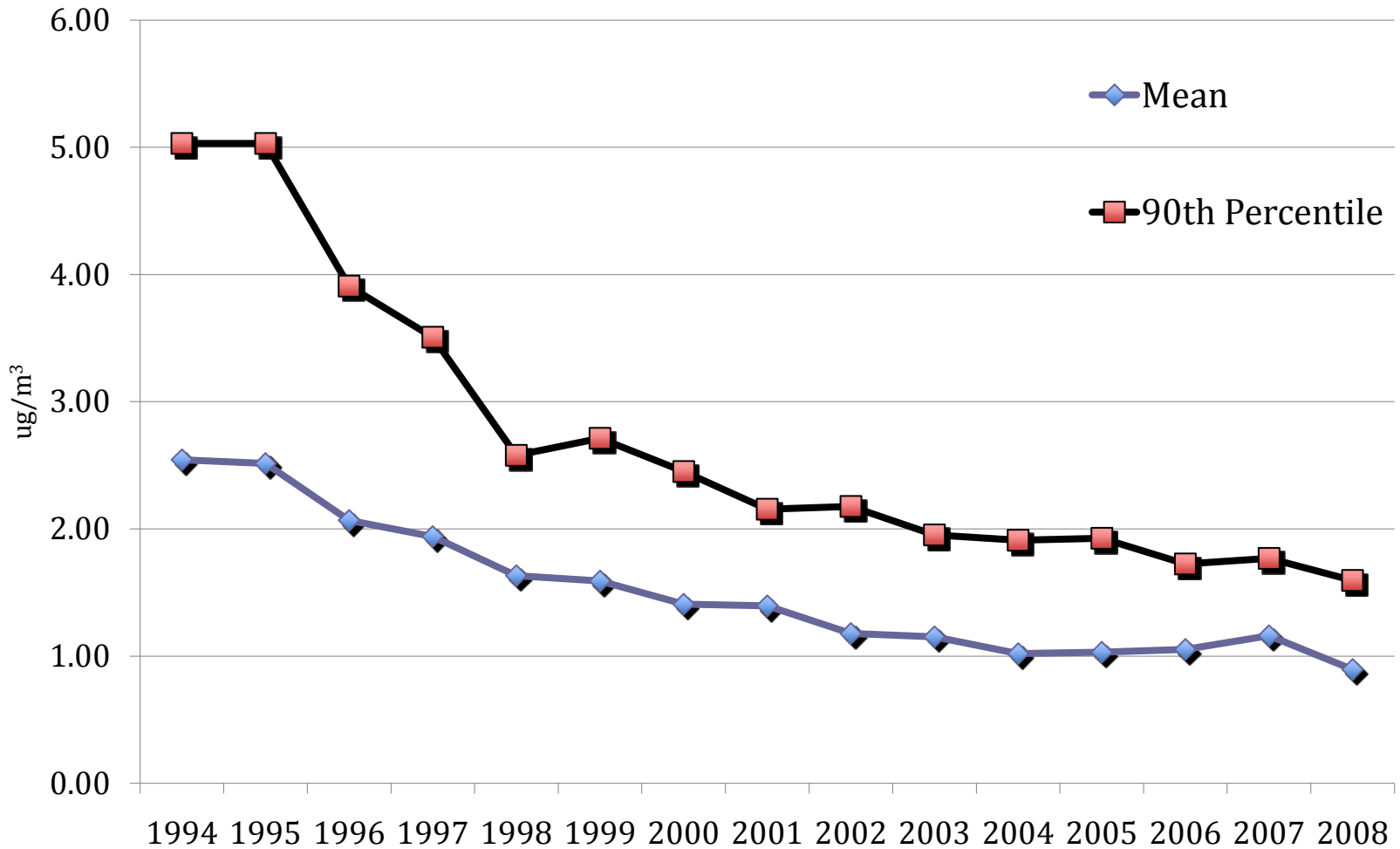


# Coal Use and SO<sub>2</sub> Emission Trends





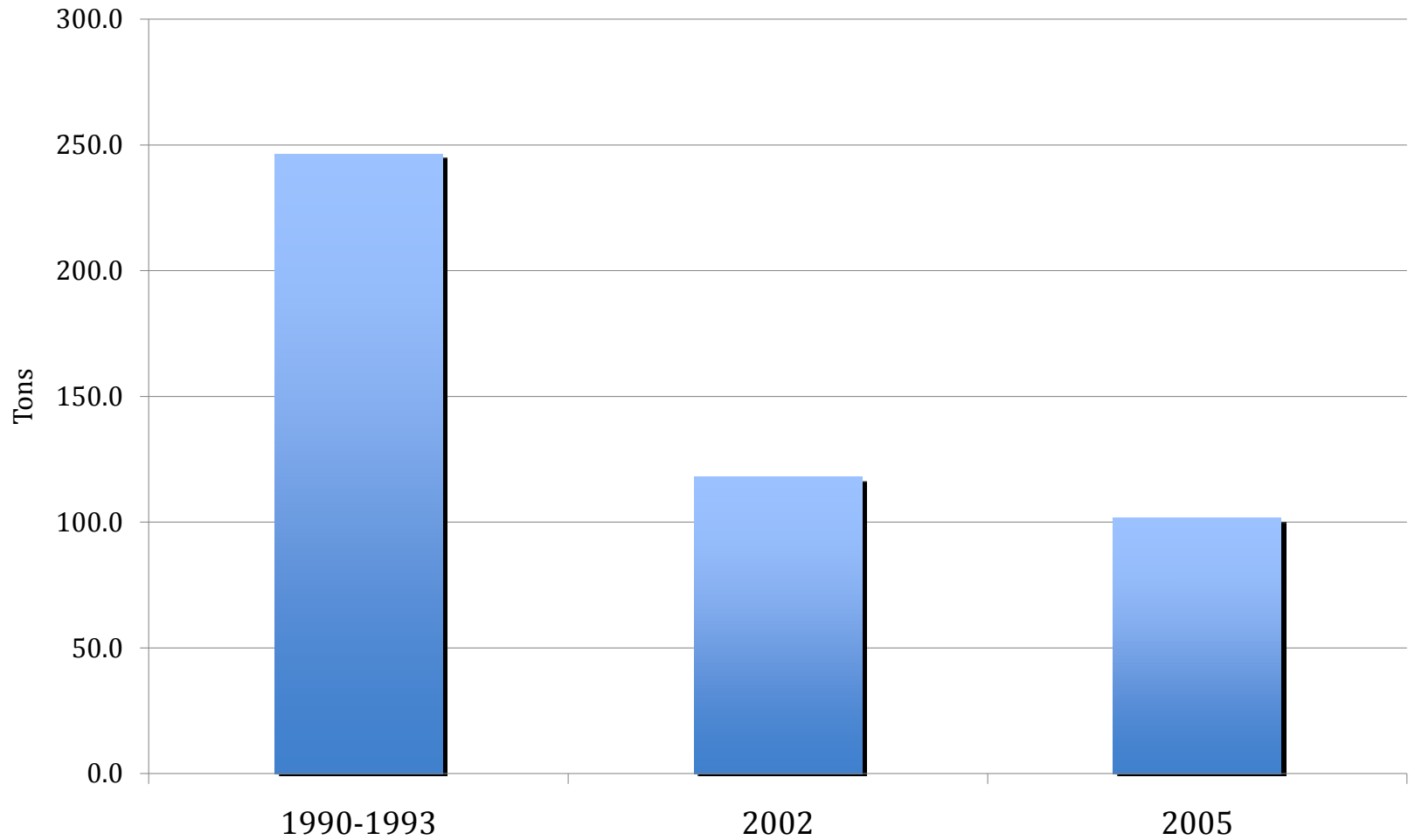
# Ambient Benzene Levels, 1994 - 2008



(Source: EPA)



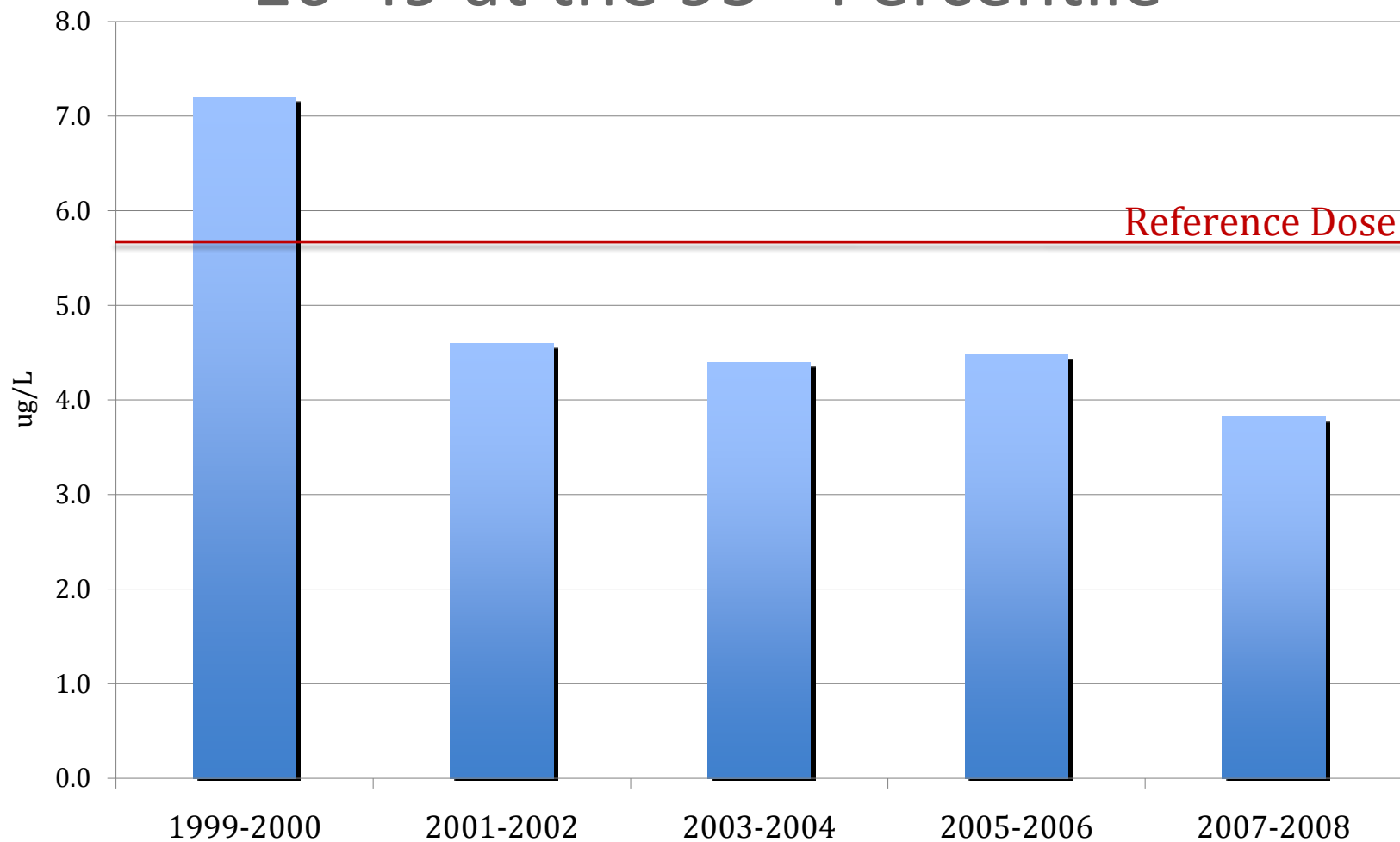
# Mercury Emissions



(Source: EPA)



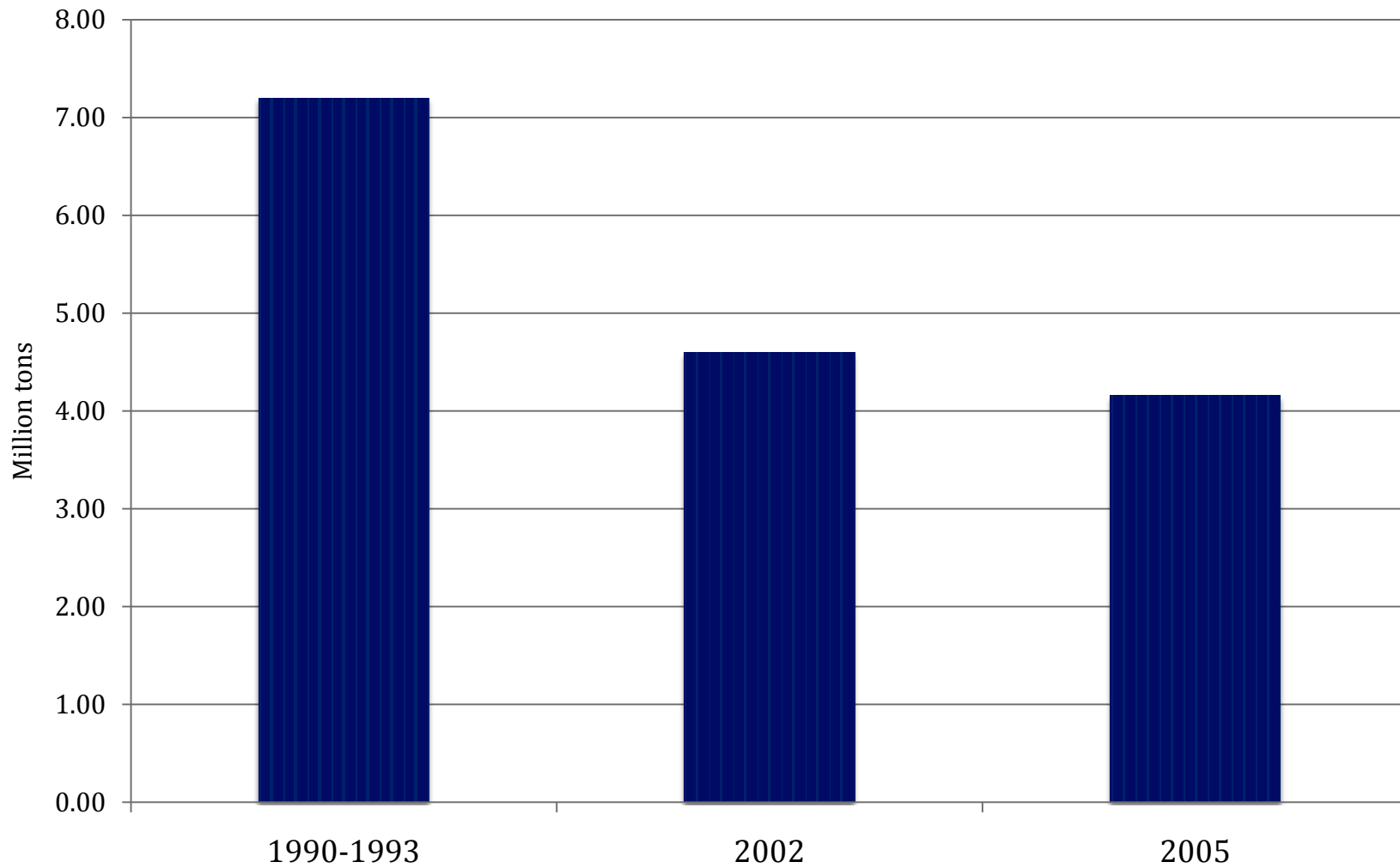
# Blood-Mercury Levels in Women, Ages 16-49 at the 95<sup>th</sup> Percentile



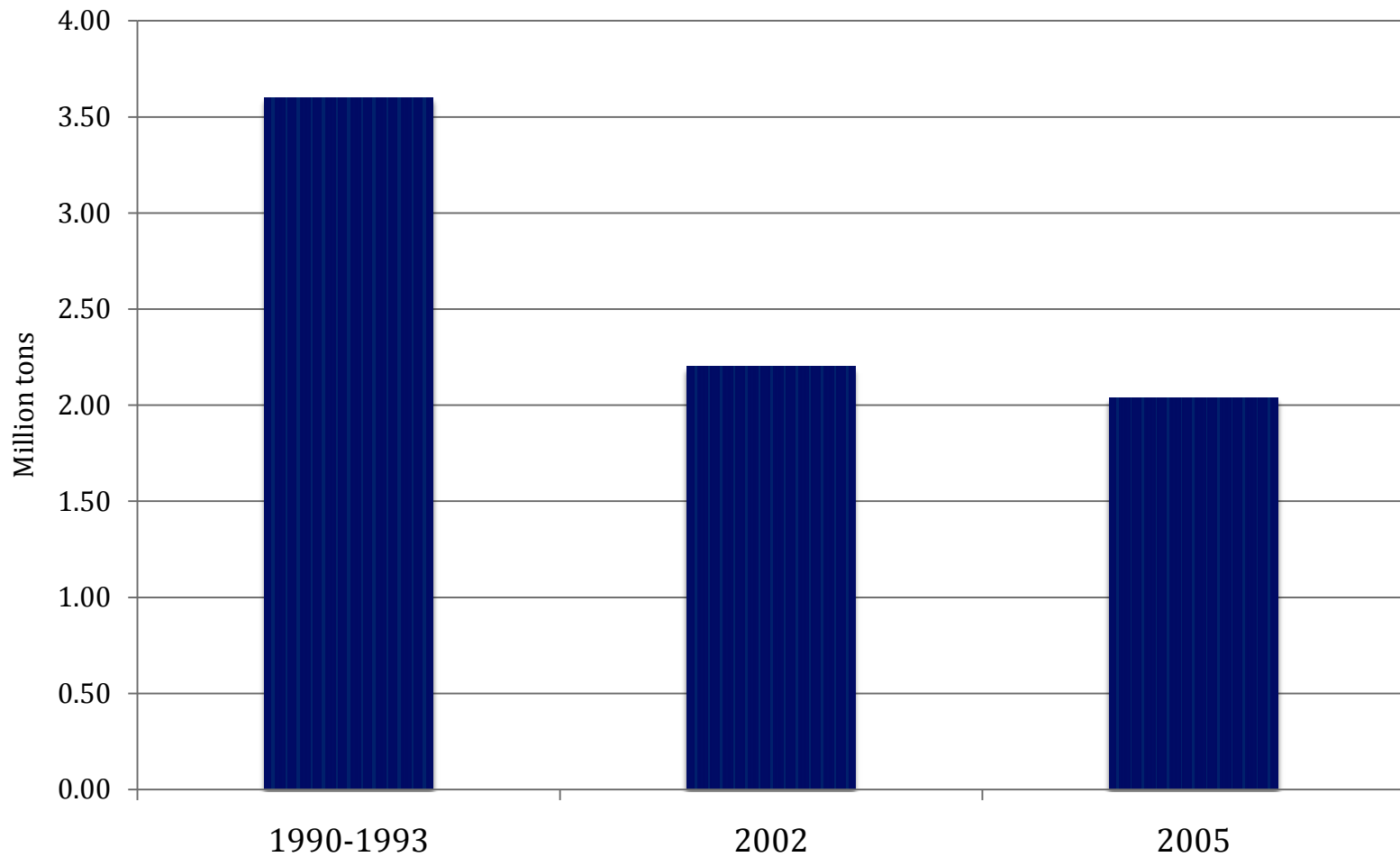
(Source: CDC)



# All 188 HAPs



# HAPs from Stationary Sources



# 2005 HAPs by EPA Region

