



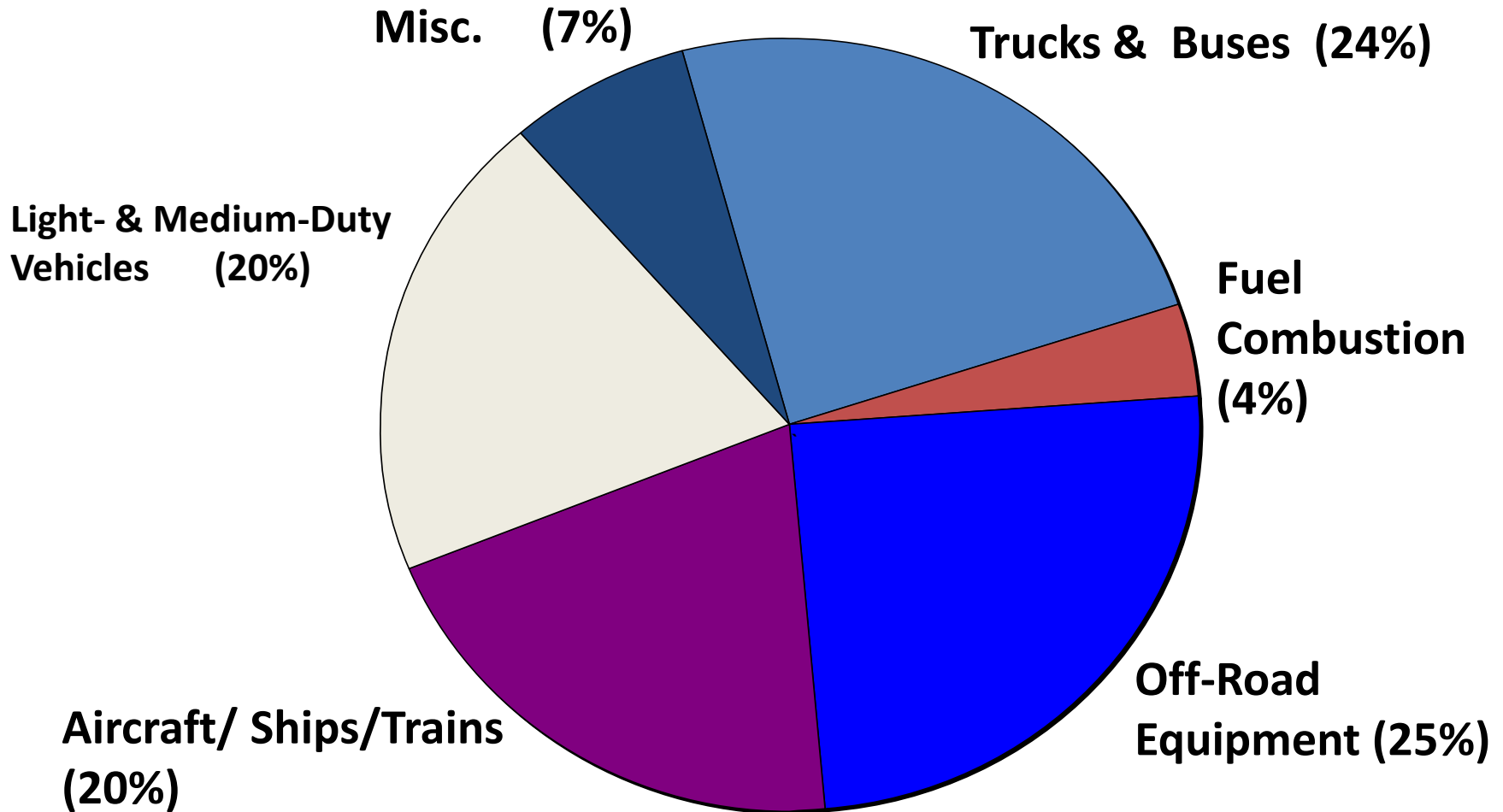
Session 1: Mobile Source



Dipankar Sarkar

Technology Advancement Office

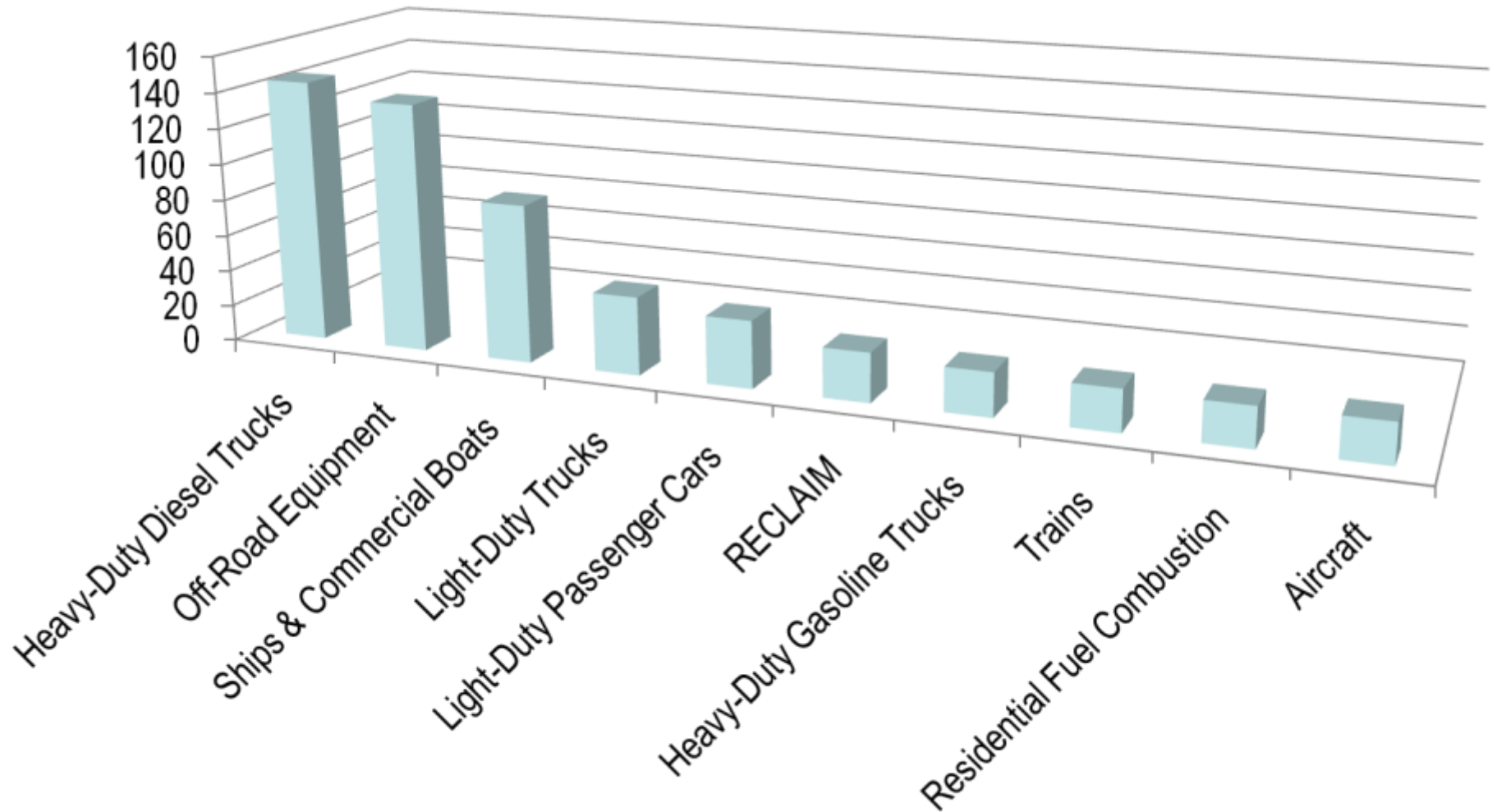
Major Contributors to NO_x (2014)



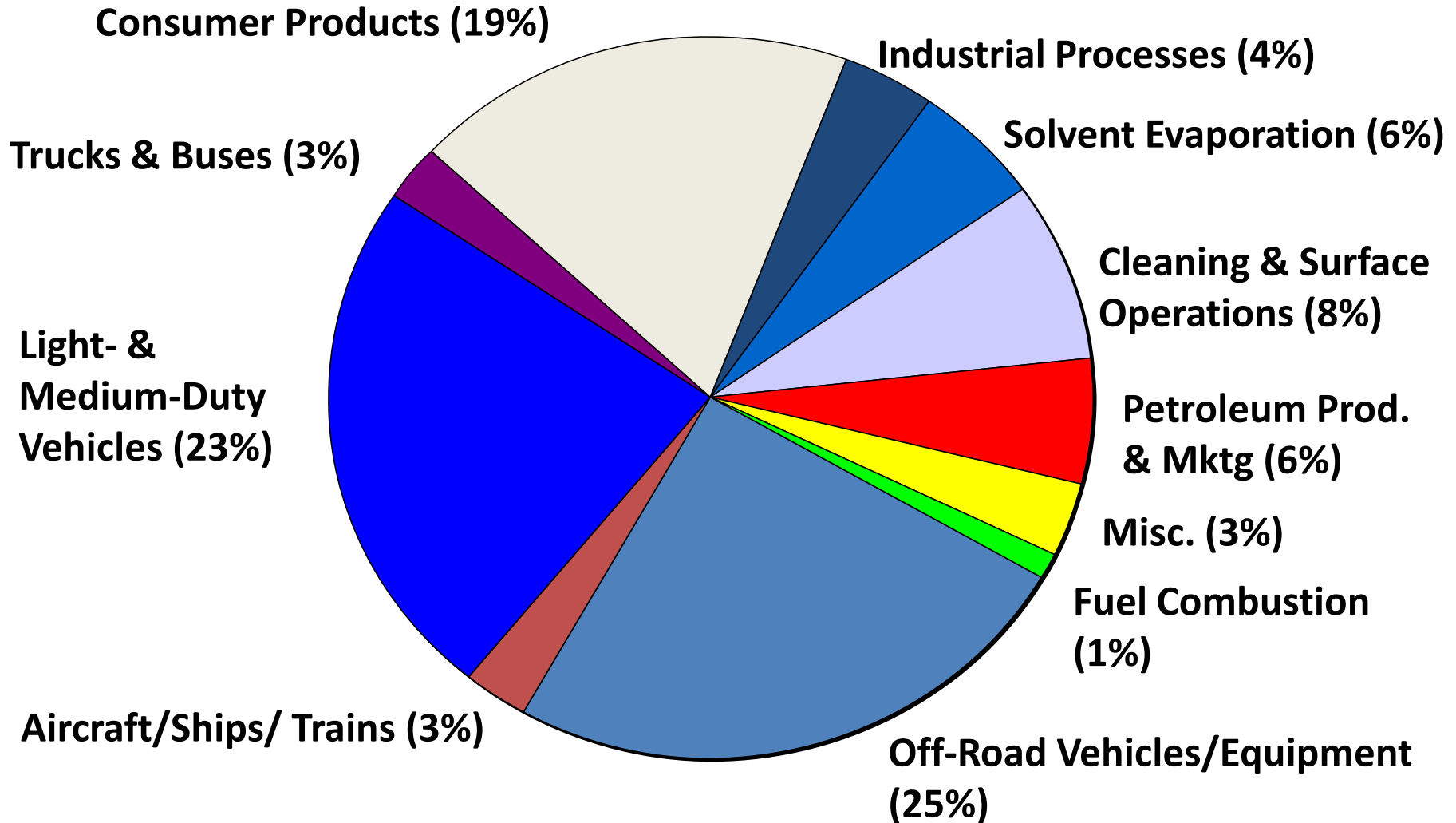
2014 NO_x – 650 tpd

NOx Emissions (2014)

Top 10 Categories (tpd)

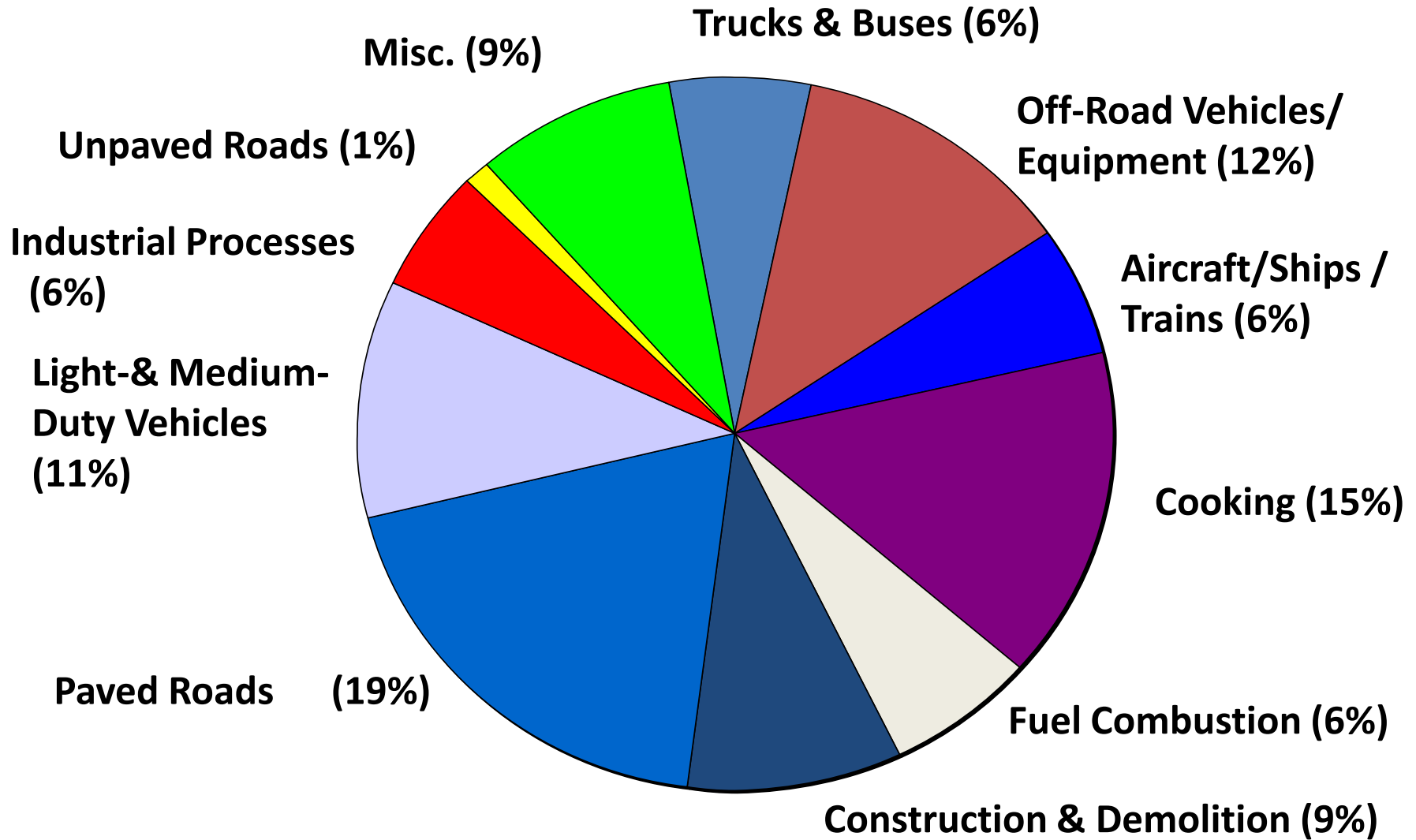


Major Contributors to VOC (2014)



2014 VOC – 569 tpd

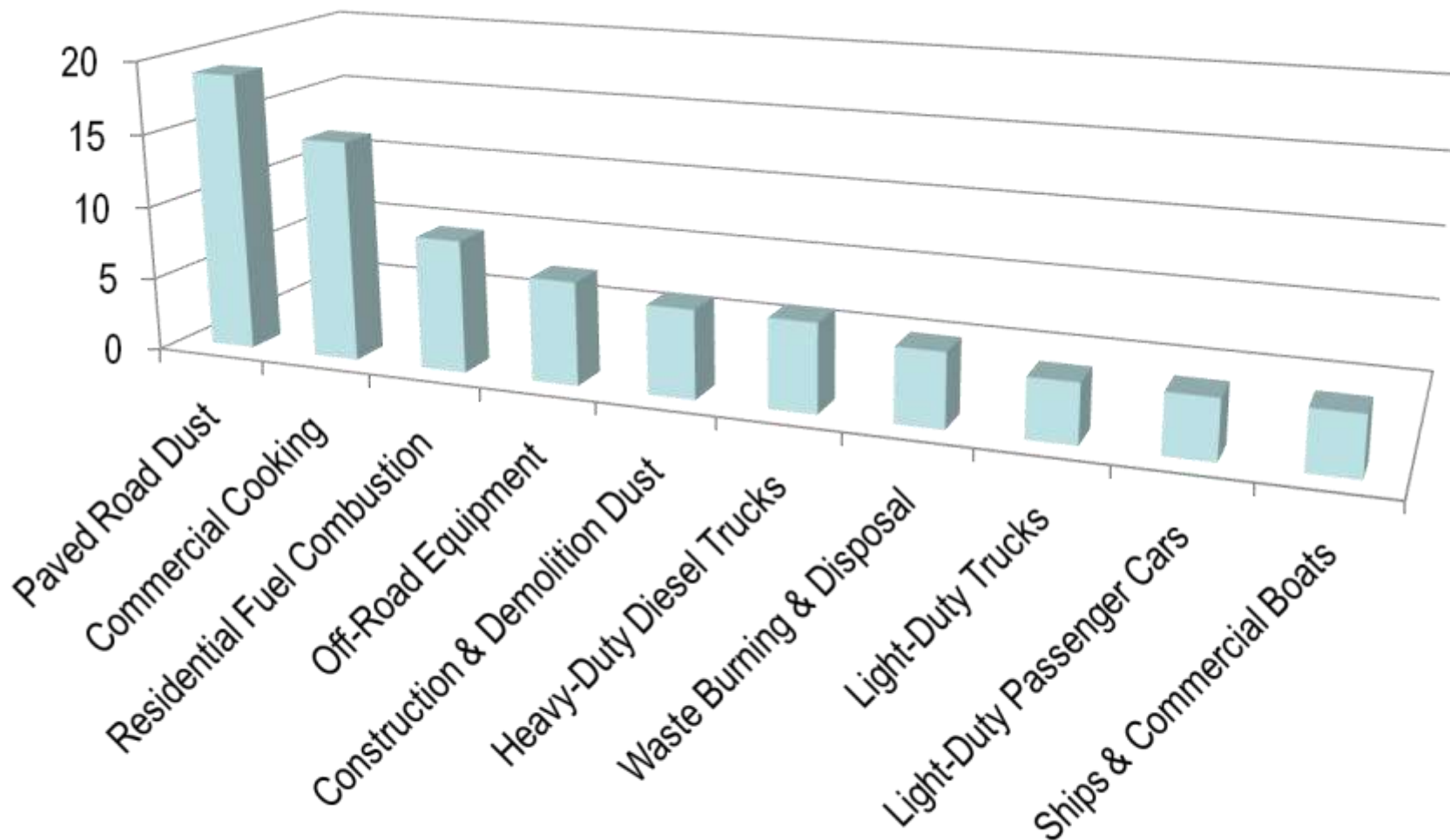
Major Contributors to PM 2.5 (2014)



2014 PM 2.5 – 100 tpd

PM2.5 Emissions (2014)

Top 10 Categories (tpd)



On-Going Programs

- In-Use Emissions Testing of On-Road Heavy Duty Vehicles
- Natural Gas Fuel Composition Impact Emissions Testing on Heavy-Duty Vehicles
- Natural Gas Heavy Duty Engine Development
- Battery Electric, Hybrid Electric and Fuel Cell Truck Development and Demonstration
- Battery Electric and Fuel Cell Transit Bus Development and Demonstration
- Alternative Fuel Vehicle Demonstration

On-Going Programs

- Construction Equipment NOx and PM Emissions Control Demonstration
- Health Effects of PM Emitted from Heavy Duty Vehicles

Mobile Source Presentations

- Joe Impullitti
 - Fuel Cell Bus Project
- Brian Choe
 - Natural Gas Fuel Composition Impact Emission Testing
- Richard Carlson
 - AQMD's Showcase Program
- Lisa Mirisola
 - STEPS Program