

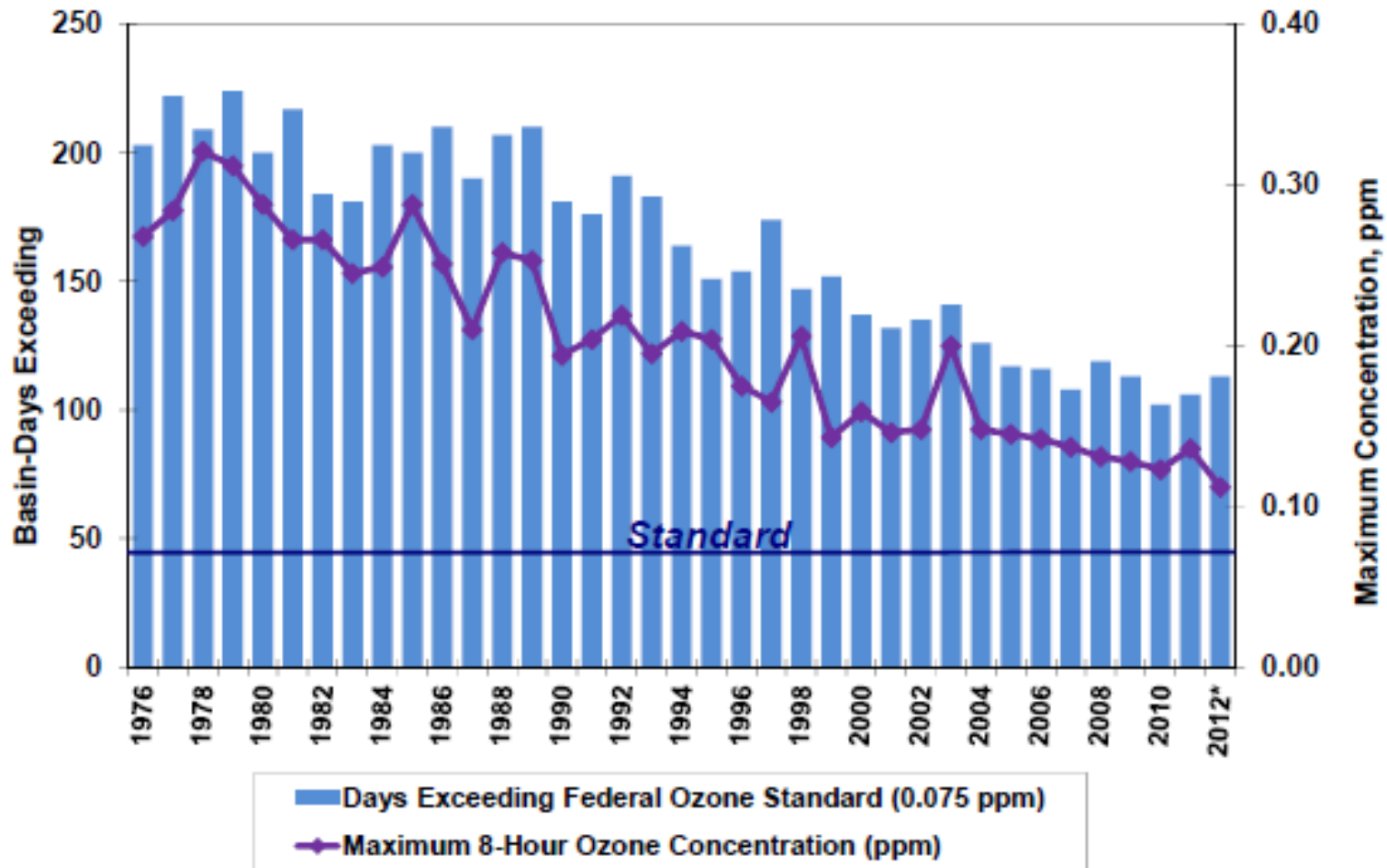
Transforming Transportation: Impacts on Air Quality and Potential Solutions



Matt Miyasato, Ph.D.
Deputy Executive Officer
Science and Technology Advancement

Progress

South Coast Air Basin Smog Trend



* Based on preliminary data for the year 2012.



Daily Peak Combined AQI

Saturday, July 02, 2011



Worst Air Quality in the Nation

Good

Moderate

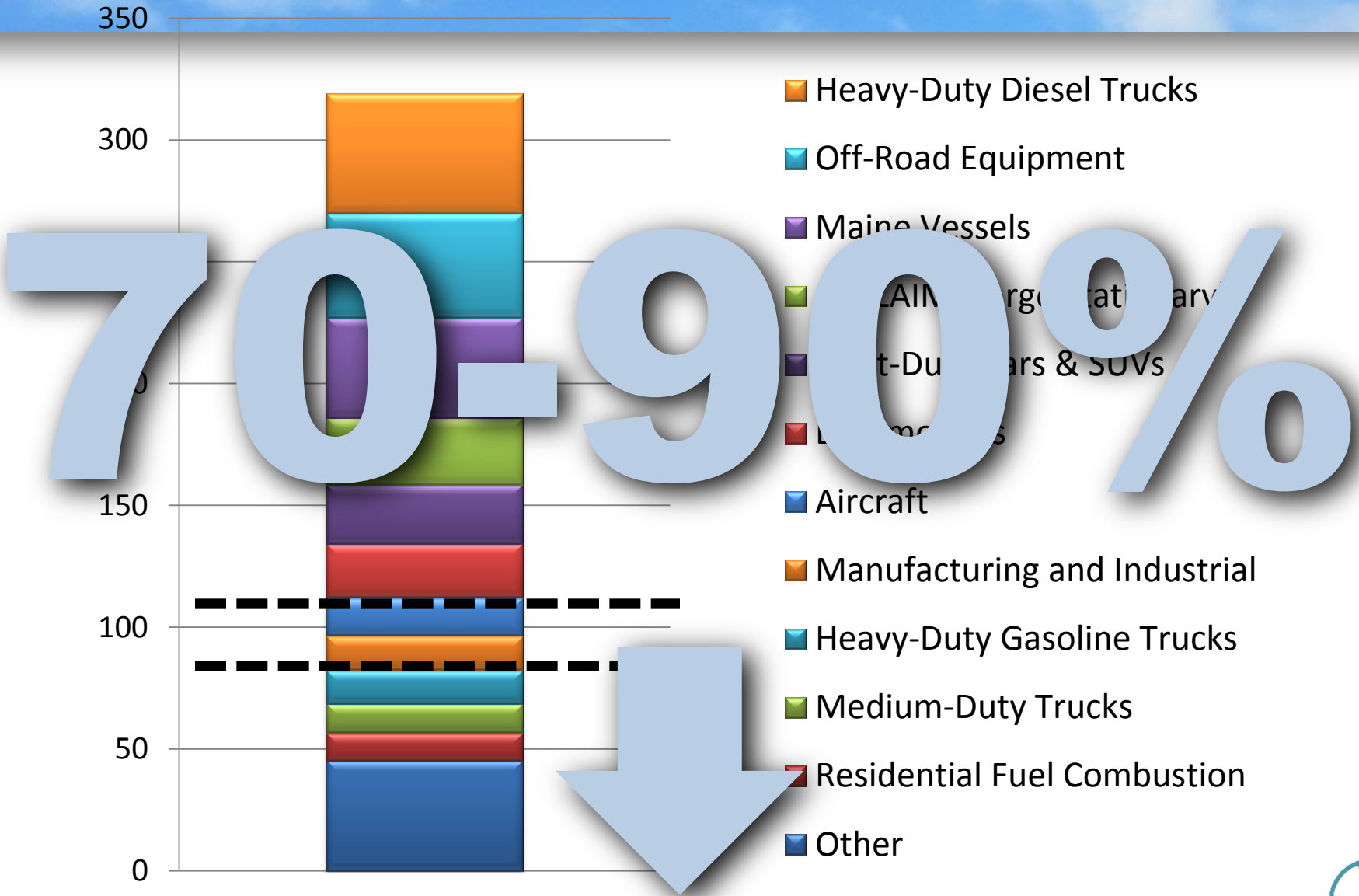
USG

Unhealthy

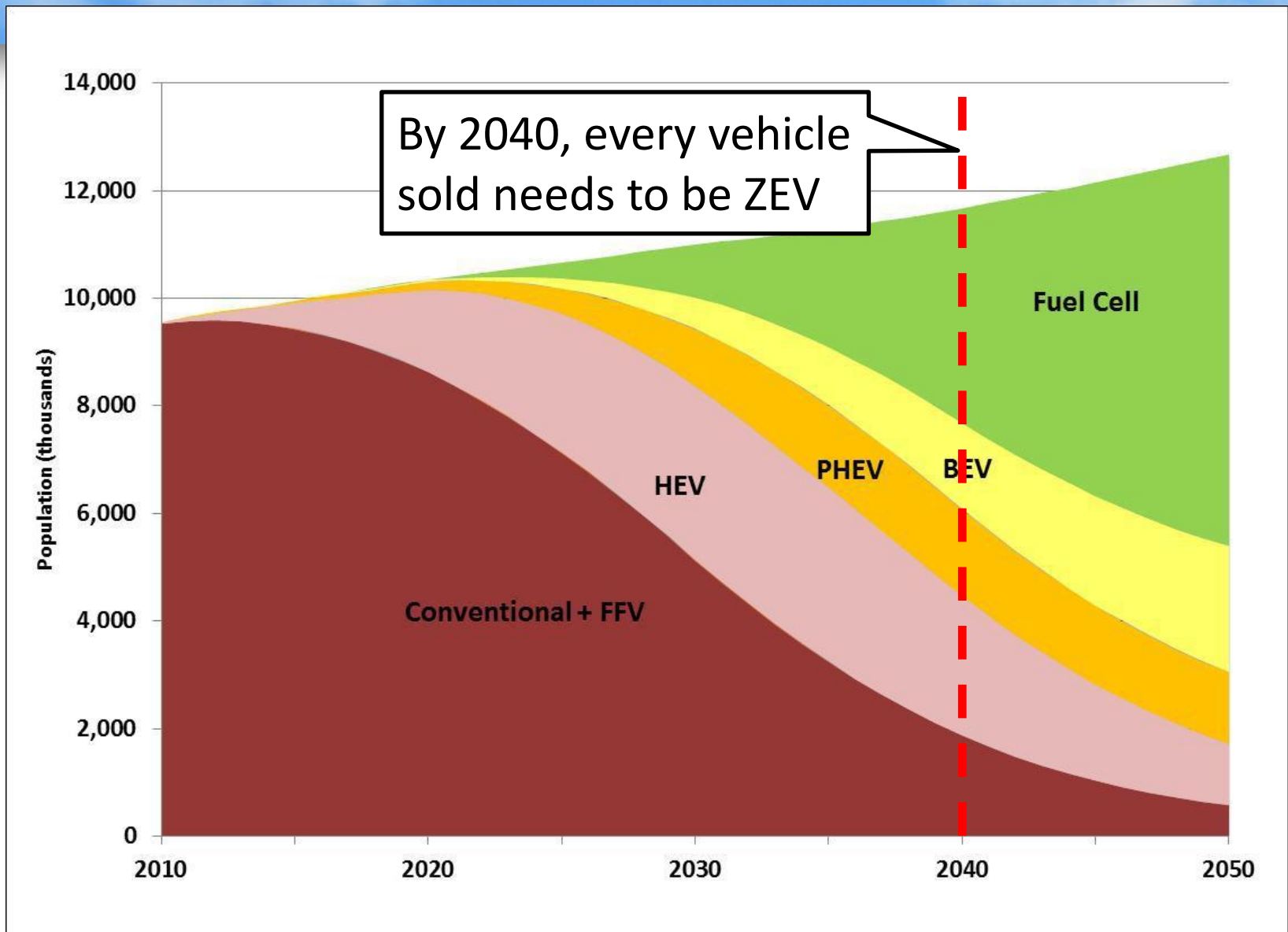
Very Unhealthy

Hazardous

Top NOx Sources in the Region



Vision for Clean Air Light-Duty Scenario



Vision for Clean Air, Figure 11 (June 27, 2012)



Plug-in Electric Vehicles Available Now

Chevy Volt



Ford Focus Electric



Nissan Leaf

Mitsubishi iMiEV



Toyota RAV4-EV

Toyota Plug-in Prius



Tesla Model S



Smart EV



Honda Fit EV



BMW Active-E



Ford Fusion Energi



- Lanes ➡ Vehicles
- Demand ➡ Consumers
- Concentrated fleets ➡ Lanes/Centers

