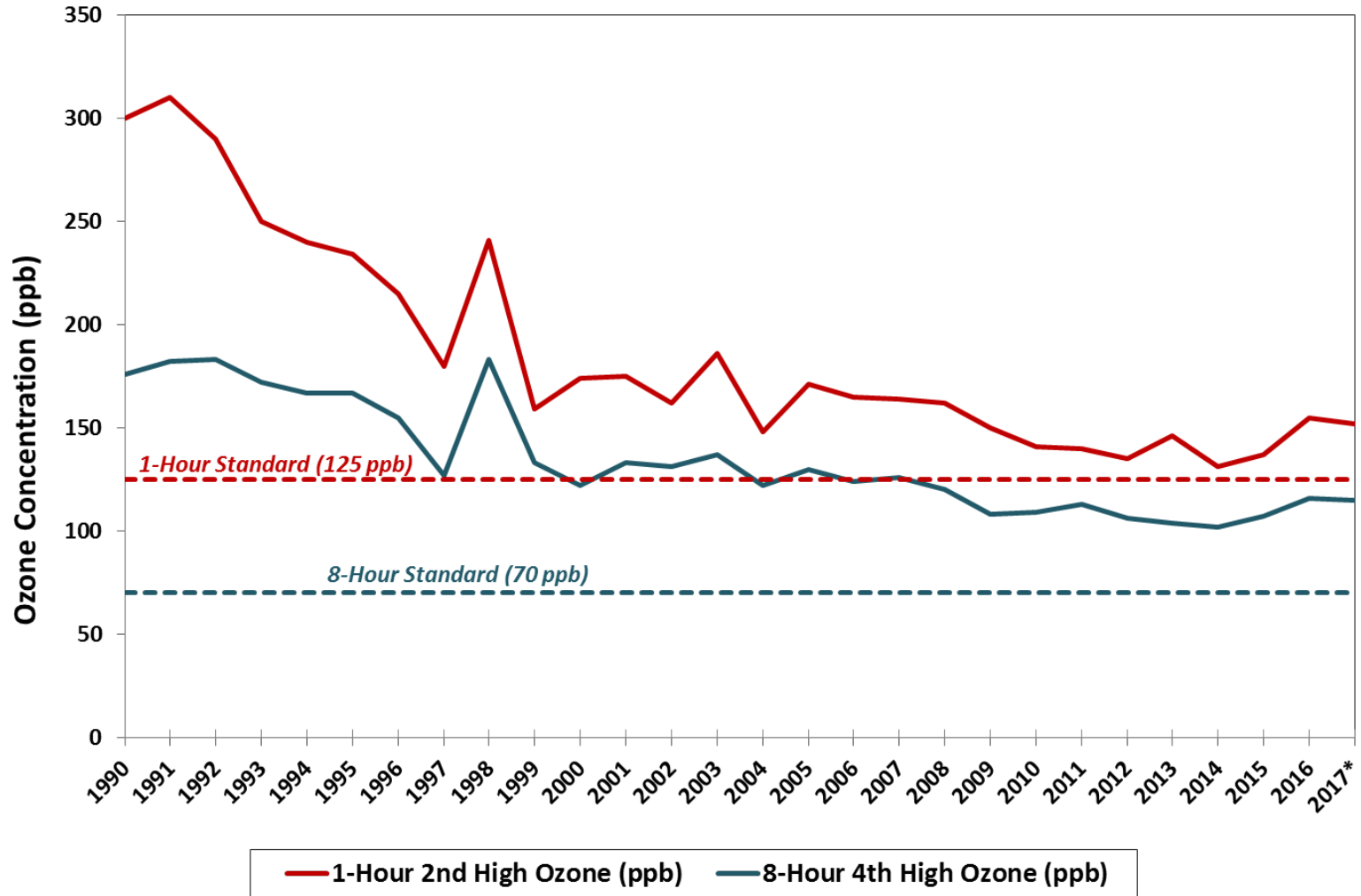


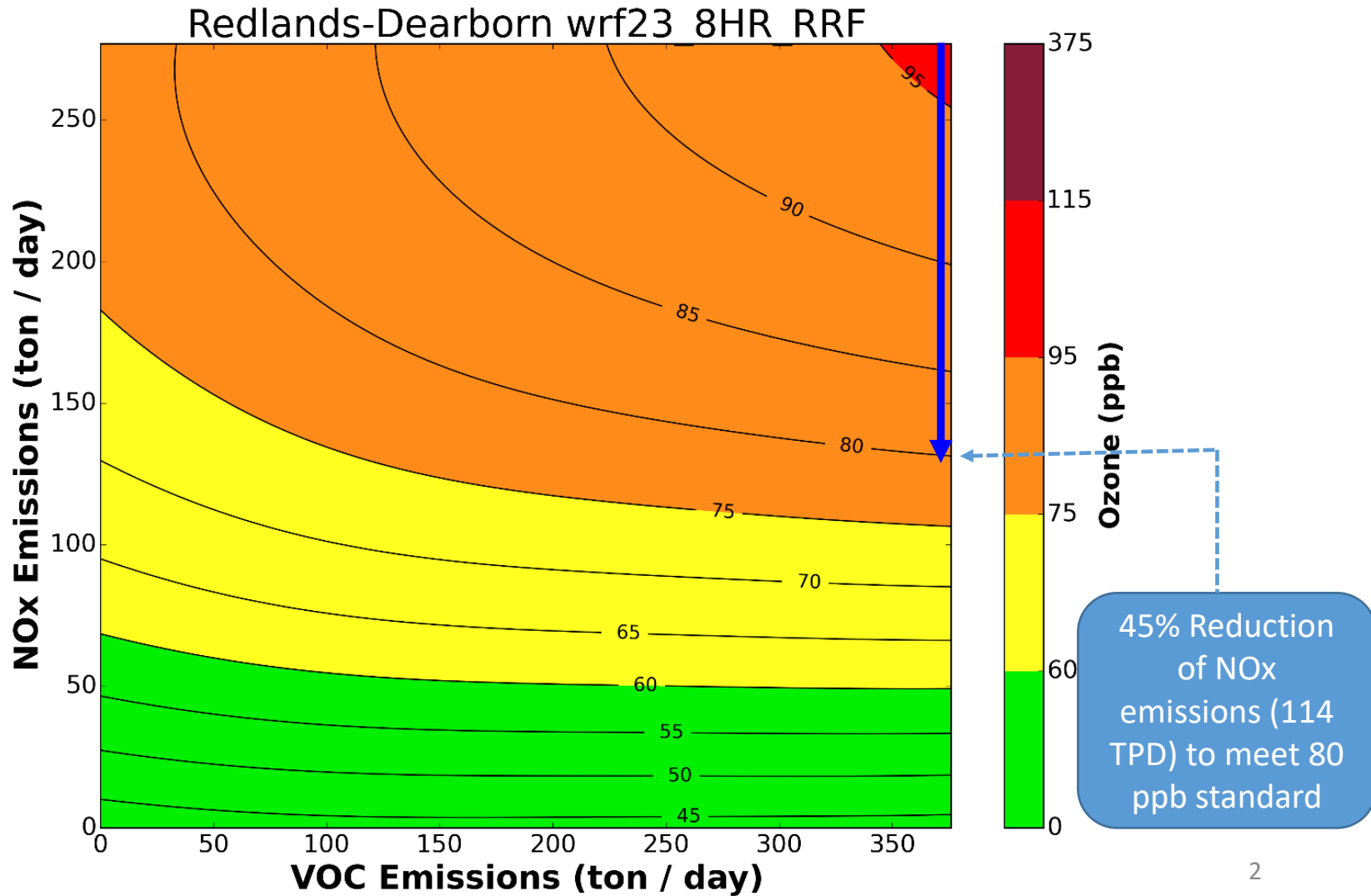
Ozone Concentration Trend

4th High 8-Hour and 2nd High 1-Hour, 1990-2017*

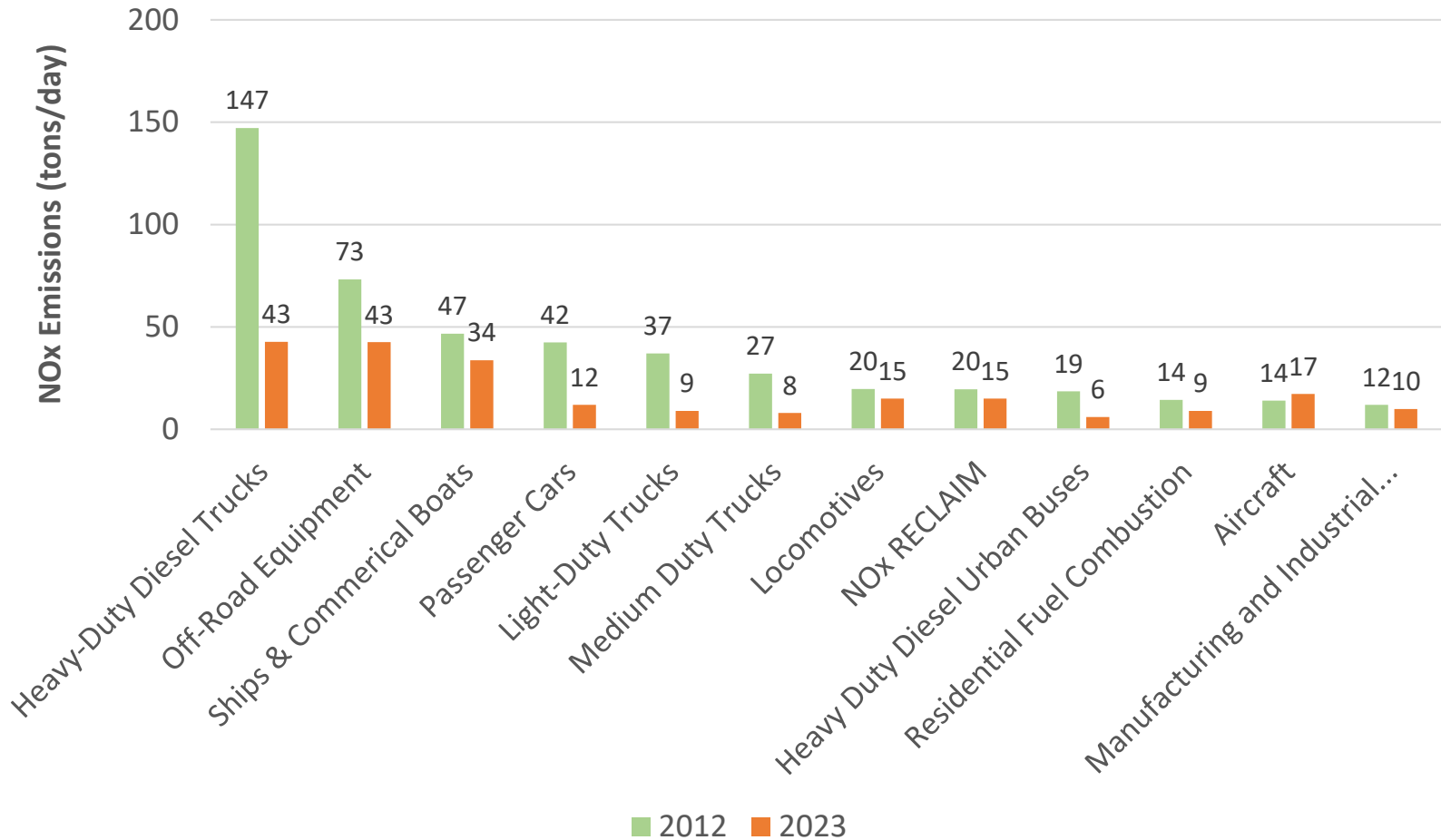


* Based on preliminary 2017 data

Carrying Capacity to Attain 8-hour Ozone standard (2023)



Top NOx Emitters in 2012 and 2023



Summary

- Continuous Assessment to Address Uncertainties
 - ✓ Emissions Inventory (Heavy duty (HD) vehicles, Ships, Aircraft and Biogenic emissions)
 - ✓ Background Ozone
 - ✓ Meteorological Variations/ Climate Change
- NO_x Control – Despite Uncertainties, Most Efficient Control Path
 - ✓ Concurrent volatile organic compound (VOC) controls expected to minimize temporary ozone increase in the western Basin, but no VOC-only path to attainment
 - ✓ Attains particulate matter (PM) standards