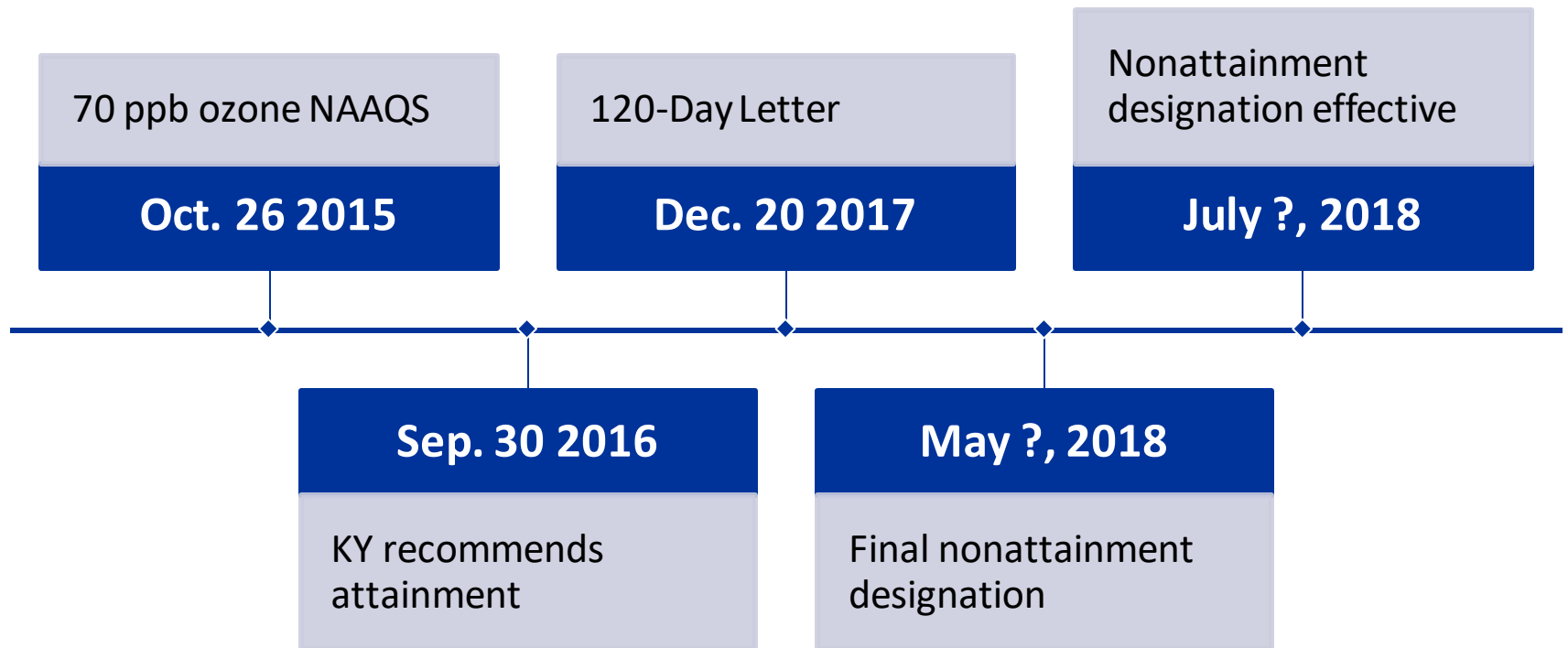


# Ozone NAAQS Status Update

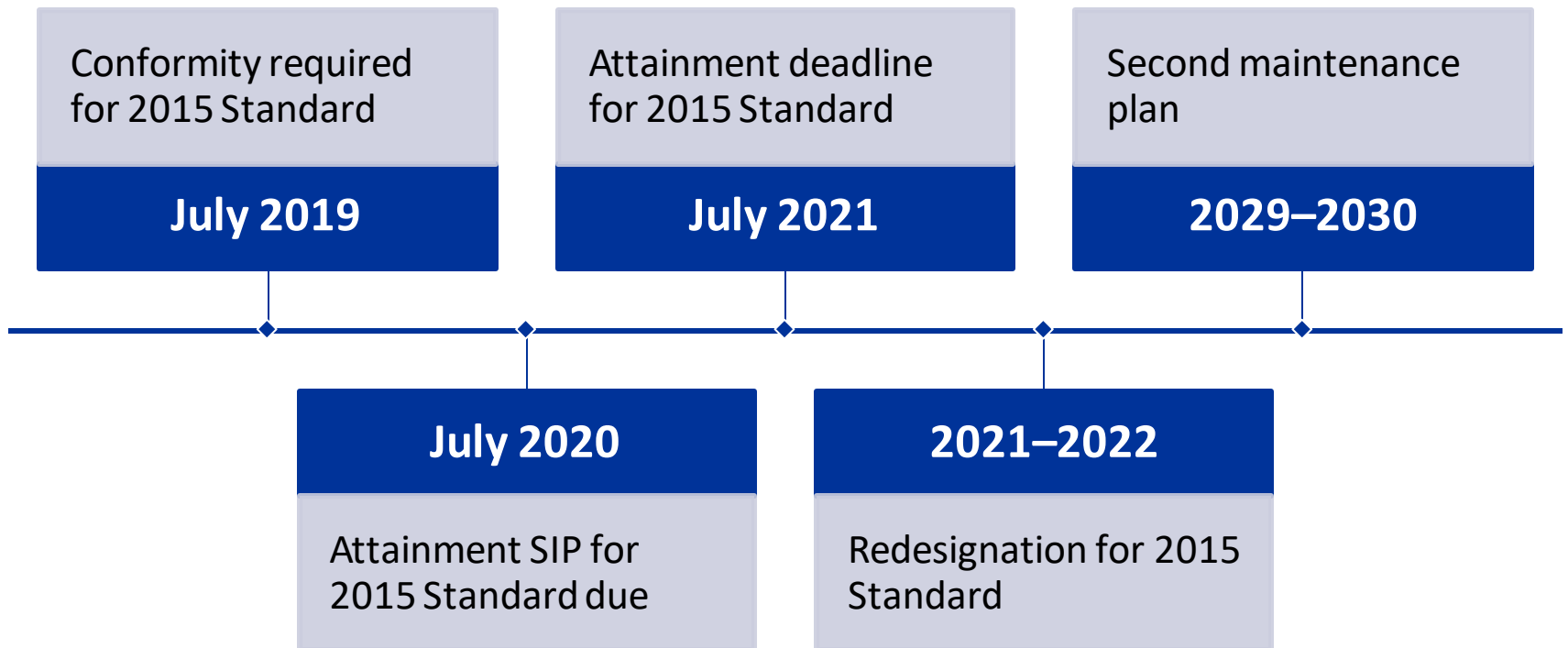
Air Pollution Control District  
May 16, 2018



# 2015 NAAQS Designation Dates



# 2015 NAAQS Planning Dates

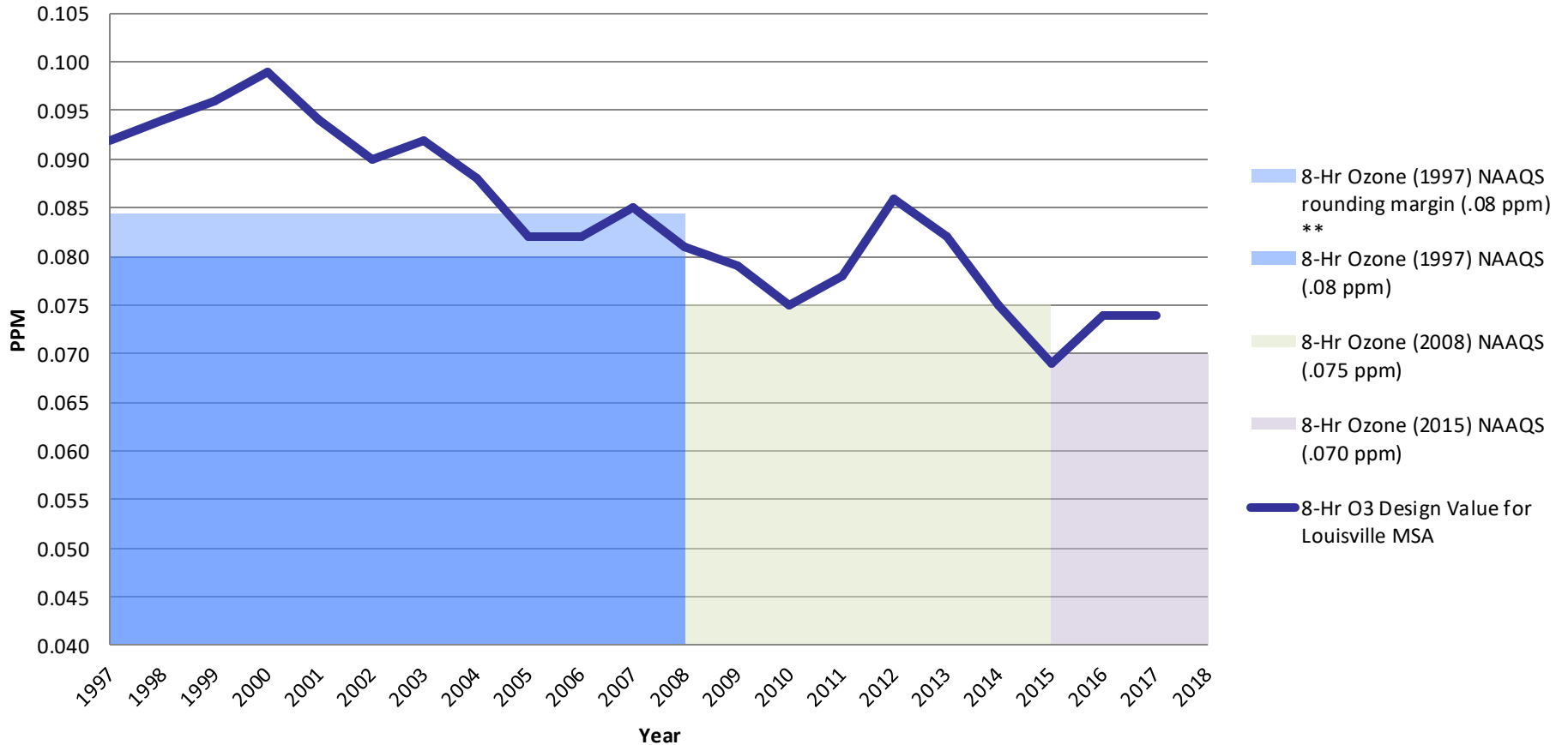


# Requirements

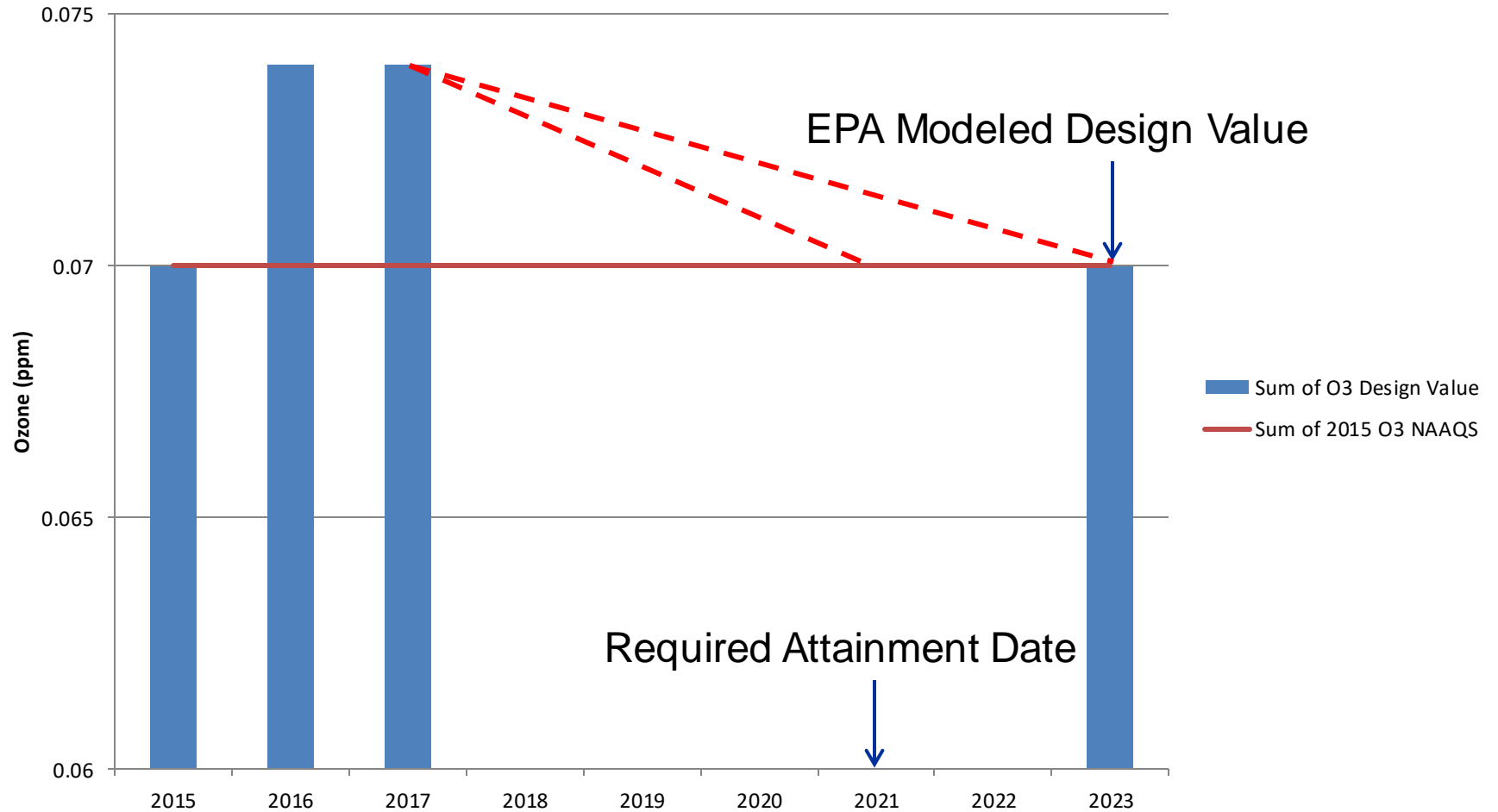
- Year 1 – July 2019
  - General & Transportation Conformity
- Year 2 – July 2020
  - Emissions Inventory (base year only)
  - Emissions Statements Rule
- Year 3 – July 2021
  - Nonattainment NSR
  - Attainment or redesignation to moderate

# Ozone Trend

## Louisville, KY MSA

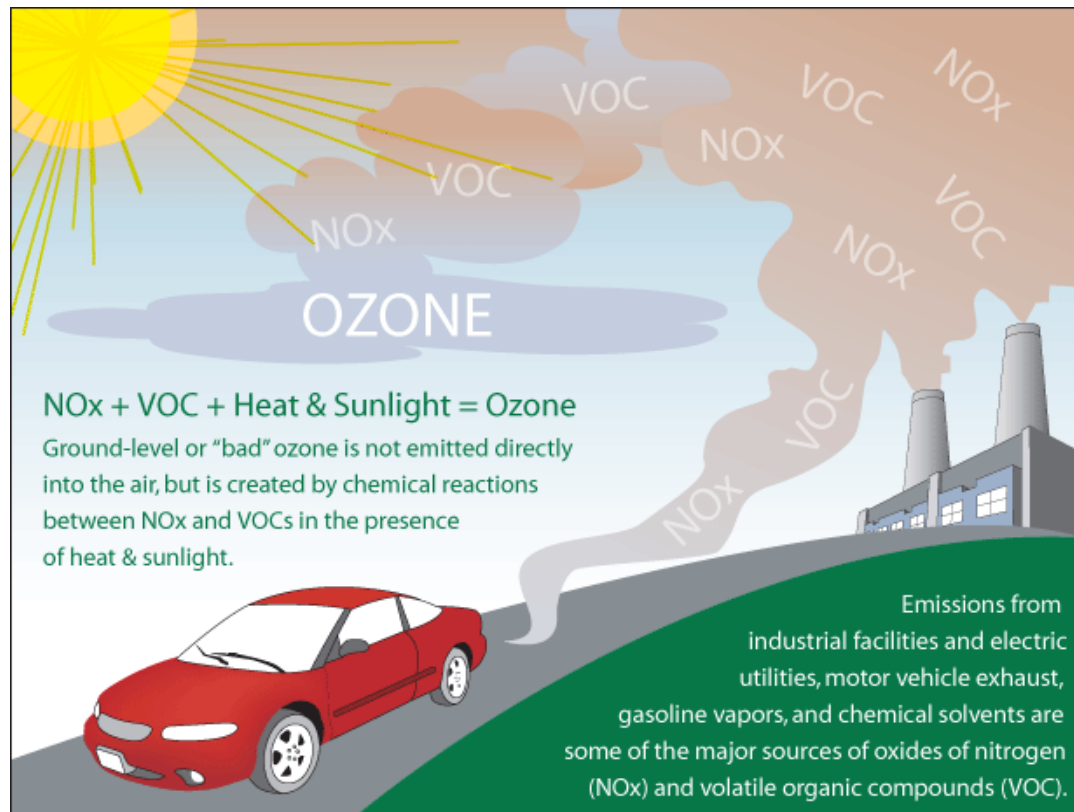


# Ozone Projections



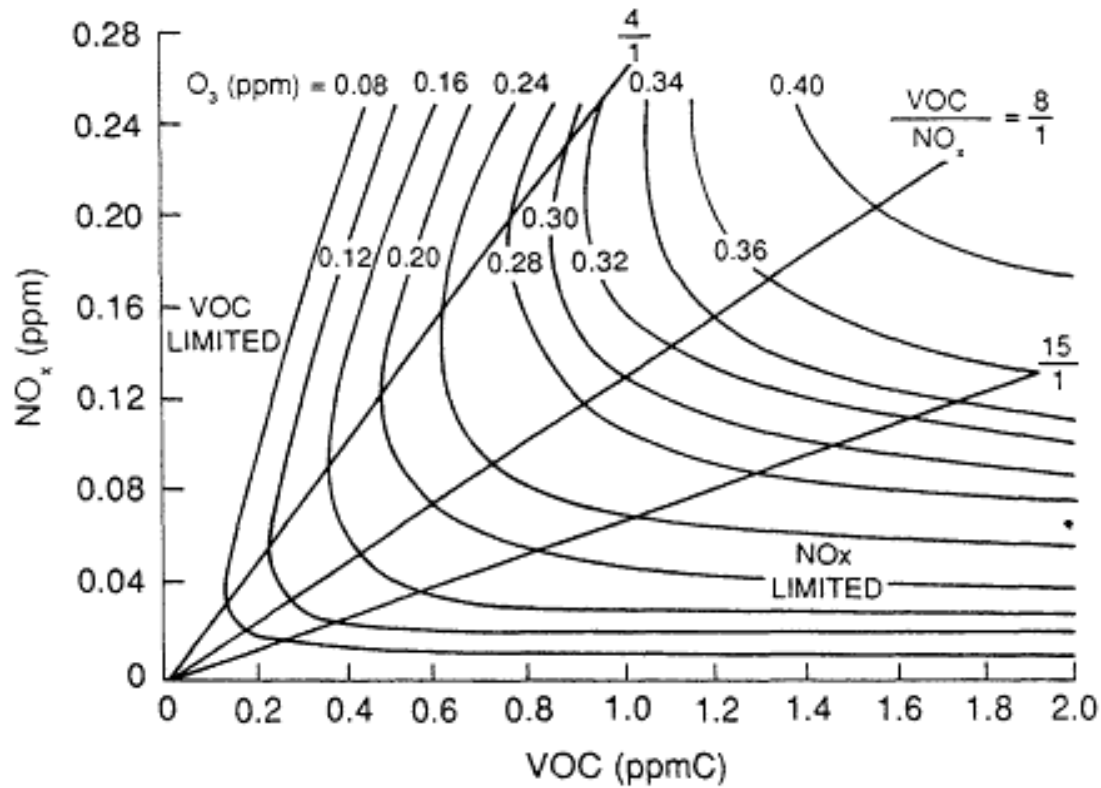
# Ozone Formation

- $\text{NO}_x$  + VOCs + Sunlight



# Ozone Formation

- $\text{NO}_x$  + VOCs + Sunlight

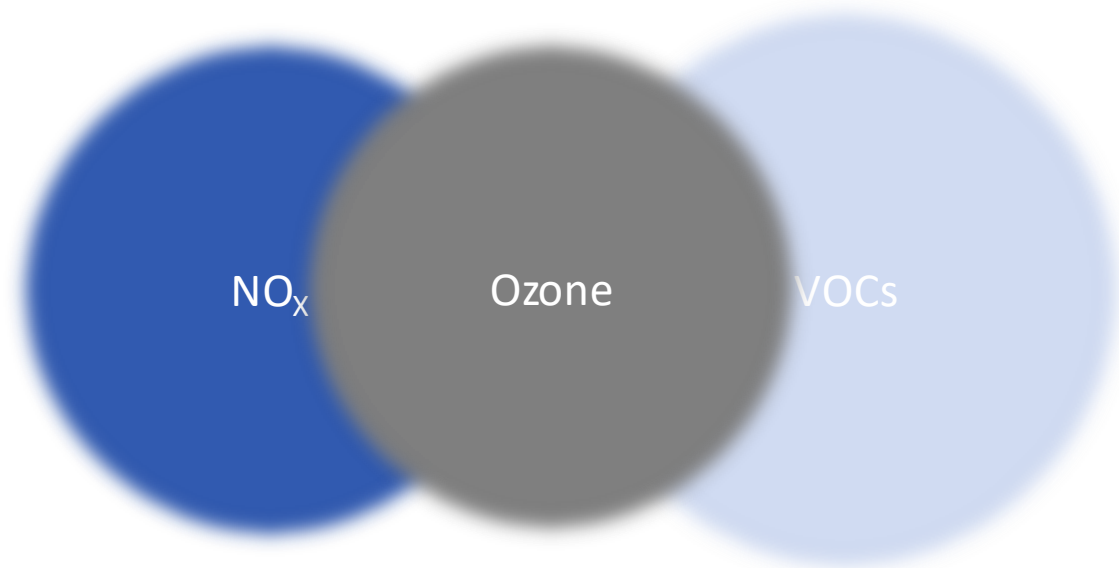




# Ozone Formation

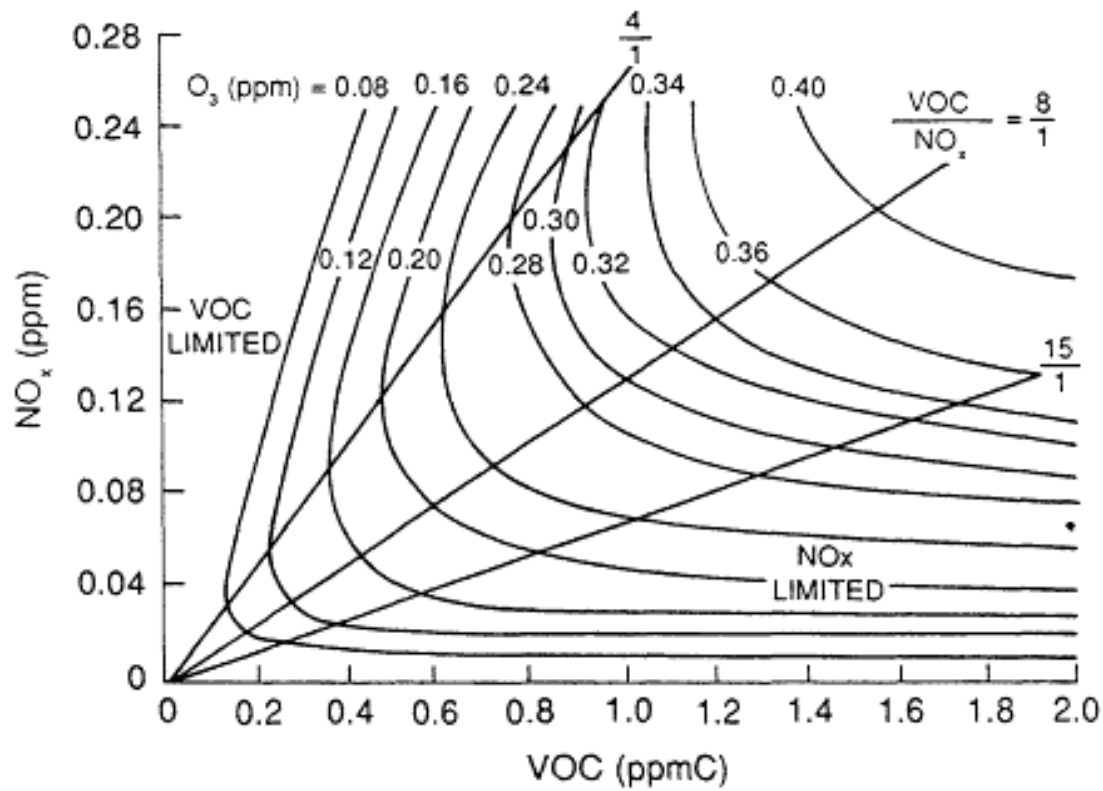


# Ozone Formation



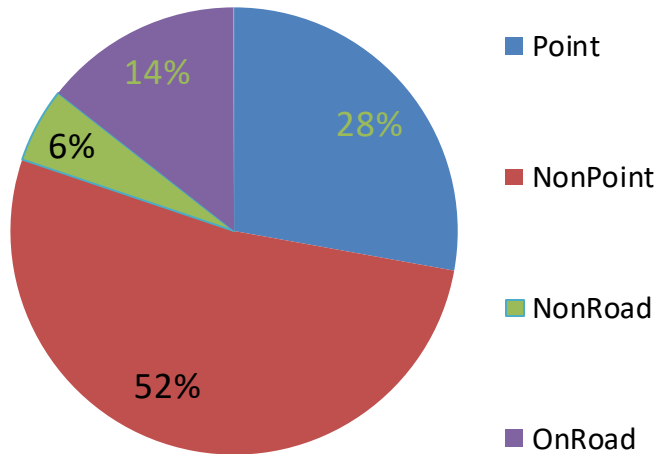
# Ozone Formation

- $\text{NO}_x$  + VOCs + Sunlight

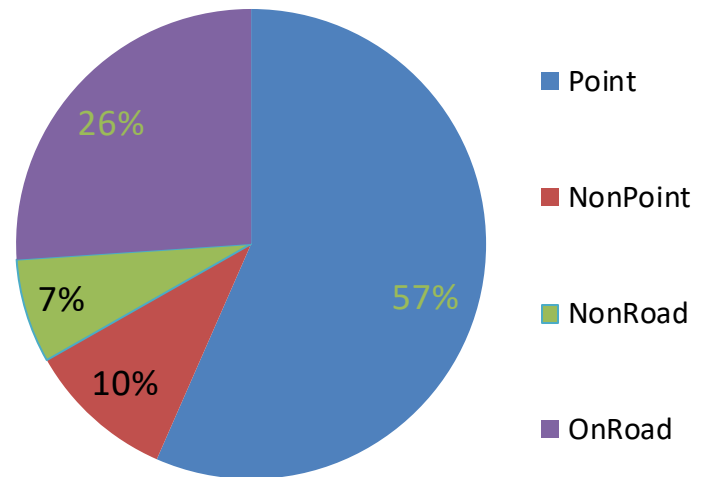


# Ozone Formation

## VOCs



## NO<sub>x</sub>



\*2014 NEI

# Ozone Planning

- Ozone Formation Study Request for Proposals – Summer 2018
- Ozone Formation Study Completion – Winter 2018
- Ozone Stakeholder Group Formation – Fall 2018

# Other Developments

- Expected final 2015 Ozone NAAQS Implementation Rule – May 2018
- *South Coast Air Quality Management District v. EPA* (D.C. Cir., Feb. 2018) – Pending request for rehearing