

# AIR QUALITY & OZONE

## Board Orientation

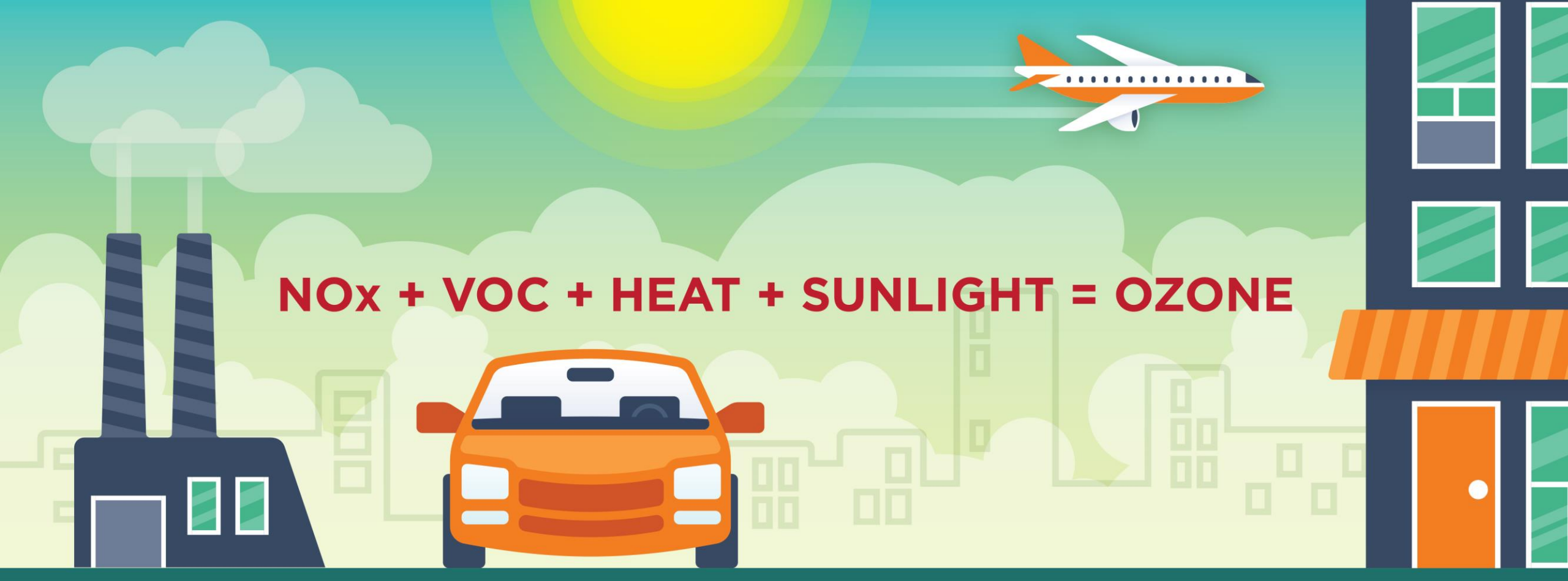
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acog

# ACOG AND AIR QUALITY

- Since the 1970's ACOG has supports the voluntary actions of our members to reduce ozone causing emissions (particularly NOx and VOC's)
- Ozone pollution levels have fallen dramatically since through advancements in vehicle technologies and power plant generation emission controls



## OZONE BASICS

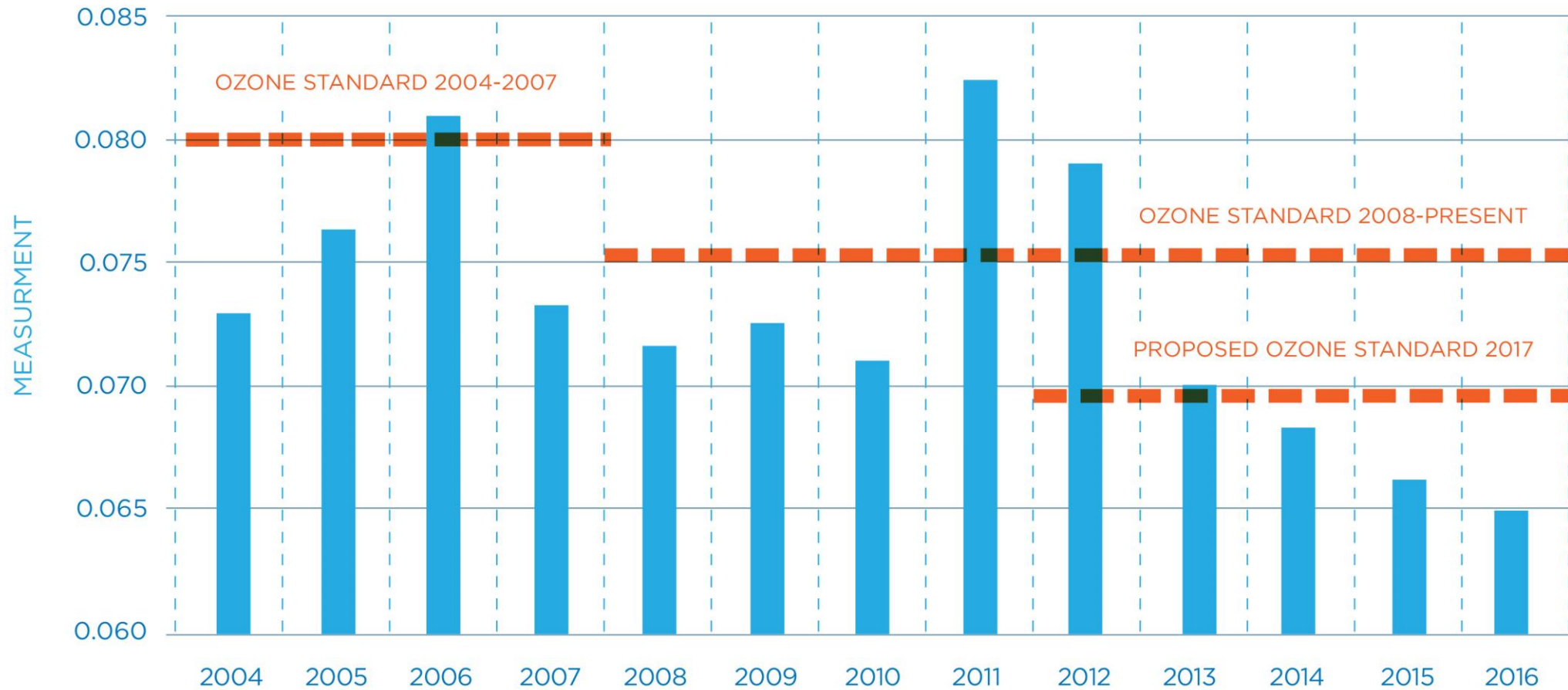
Emissions from industrial facilities and electric utilities, motor vehicle exhaust, gasoline vapors, and chemical solvents are some of the major sources of oxides of nitrogen ( $\text{NO}_x$ ) and volatile organic compounds (VOC).

# HIGHEST 8-HOUR AVERAGES

SITE	2014	2015	2016	2017: 1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	2014-2016	2015-2017
OKC NORTH	0.070	0.068	0.068	0.075 JUL 7	0.071 APR 3	0.071 SEP 13	0.071 SEP 14	0.068	0.069
OKC CENTRAL	0.069	0.068	0.065	0.076 AUG 3	0.075 JUL 6	0.073 SEP 14	0.069 SEP 13	0.067	0.067
MOORE	0.068	0.065	0.065	0.072 SEP 13	0.072 SEP 14	0.070 MAY 26	0.070 AUG 3	0.066	0.066
GOLDSBY	0.069	0.065	0.064	0.075 MAY 26	0.072 SEP 14	0.069 MAY 8	0.068 AUG 3	0.066	0.066
CHOCTAW	0.066	0.067	0.067	0.073 AUG 3	0.071 MAY 27	0.070 JUL 6	0.070 SEP 13	0.065	0.067
YUKON	0.068	0.066	0.066	0.072 JUL 6	0.070 SEP 14	0.069 MAY 7	0.069 JUL 24	0.066	0.067
2014-2016 4 <sup>th</sup> MEASUREMENT				2017 HIGHEST - - - - - LOWEST				4 <sup>th</sup> HIGHEST AVERAGE	



# REGIONAL AVERAGE OF 4<sup>th</sup> HIGHEST O<sub>3</sub> READING



# OZONE ALERT DAYS

- Preceding days when concentrations of ozone will approach levels of concern, ACOG initiates an 'Ozone Alert Day'
- ACOG encourages sensitive individuals with asthma, respiratory, and cardiovascular diseases to plan accordingly
  - Limit outdoor activity or plan to complete outdoor activities in the morning
  - Avoid high traffic areas
  - Improve indoor air quality

# OZONE ALERT DAYS

To protect your neighbors health on Ozone Alert Days...

- Limit driving and idling
- Carpool/Ride the Bus
- Delay/combine errands
- Avoid drive-thrus
- Avoid rush hour congestion
- Don't run small motors (mowers, etc)
- Avoid outdoor burning
- Avoid use of paints, solvents, things with fumes
- Only fuel vehicles after sundown

Text **OZONEALERT** to **22828**  
or go to **acogok.org**



# OZONE ADVANCE

- A partnership with the Oklahoma Department of Environmental Quality and the U.S. Environmental Protection Agency
- Voluntary efforts to mitigate ozone pollution
- Need your help identifying projects and programs in your communities that reduce ozone pollution

# QUESTIONS?

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