

AIR QUALITY & OZONE

2018 SEASON REVIEW

DECEMBER

ERIC POLLARD

CLEAN CITIES COORDINATOR

acog

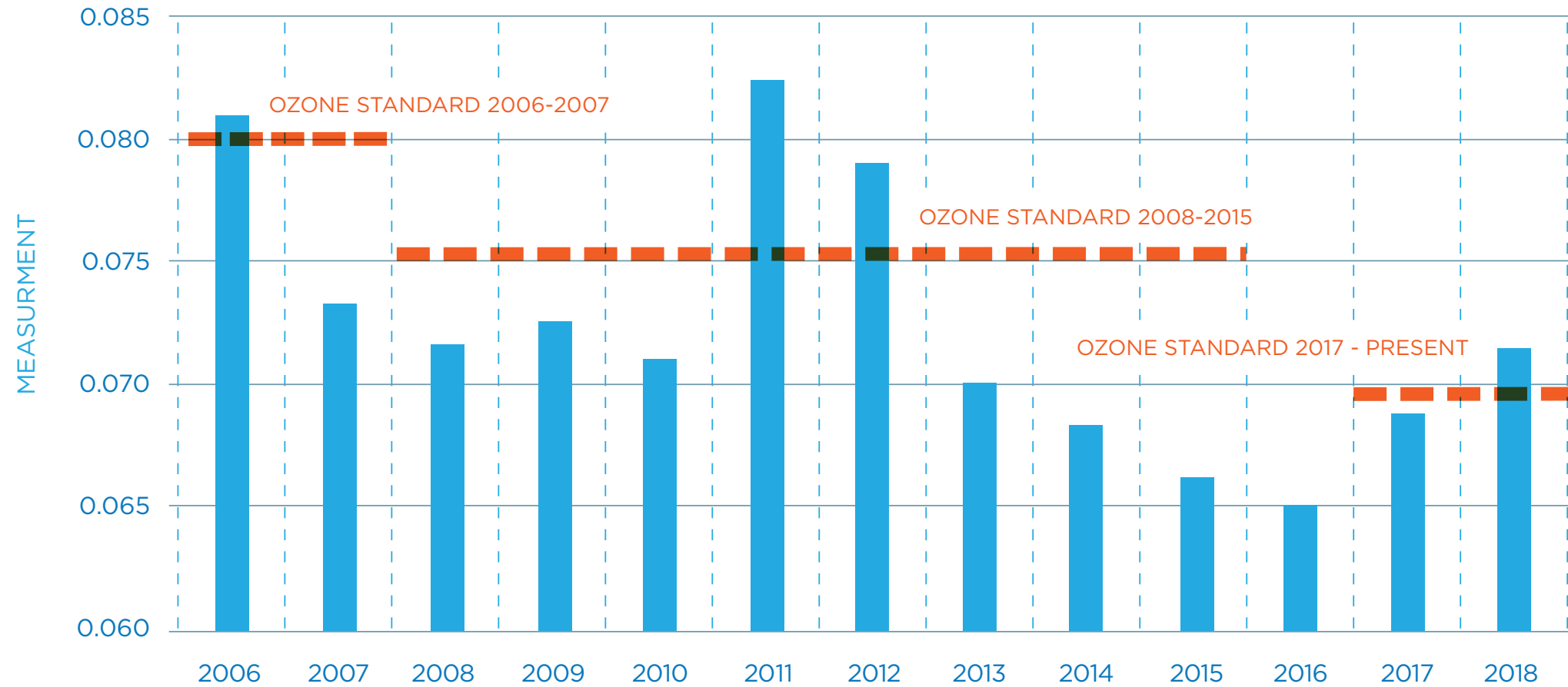
ACOG AND AIR QUALITY

- 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 over time through advancements in vehicle technologies and electricity generation
- Emissions reductions have to occur or the Oklahoma City Metro will be in violation of ozone standards and potentially designated non-attainment
 - Fuel efficiency increases
 - Continued partnership with private sector - Oilfield emissions reductions
 - Aggressive ozone alert day pollution prevention

HIGHEST 8-HOUR AVERAGES

SITE	2015	2016	2017	2018: 1 st	2 nd	3 rd	4 th	2015-2017	2016-2018
OKC NORTH	0.068	0.068	0.071	0.084 JUL 19	0.077 AUG 1	0.072 Apr 24	0.072 AUG 2	0.069	0.070
OKC CENTRAL	0.068	0.065	0.067	0.078 JUL 19	0.074 JUN 29	0.072 APR 24	0.072 AUG 2	0.066	0.068
MOORE	0.065	0.065	0.070	0.075 APR 24	0.074 JUL 29	0.071 JUL 28	0.071 AUG 2	0.066	0.068
GOLDSBY	0.065	0.065	0.068	0.076 JUL 21	0.073 APR 24	0.071 JUL 29	0.070 AUG 2	0.066	0.067
CHOCTAW	0.067	0.064	0.070	0.073 JUL 19	0.072 APR 24	0.072 APR 28	0.069 APR 29	0.067	0.067
YUKON	0.066	0.062	0.069	0.085 JUL 29	0.079 AUG 9	0.077 JUL28	0.076 JUL 19	0.065	0.069
2015-2017 4 th MEASUREMENT				2018 HIGHEST ----- LOWEST				4 th HIGHEST AVERAGE	

REGIONAL AVERAGE OF 4TH HIGHEST O3 READING



WHY DID CONCENTRATIONS GO UP?

- **Weather:** heat, drought, wind speed and direction
- **Smoke:** precursors from fires in western US and Canada
- **VOC emissions** from new and renewed oilfield activity

VIOLATION LIKELY IN 2019

- Yukon monitor only has to hit 0.68
- Seiling in worse shape than Tulsa!
 - CV 0.074 ppm

QUESTIONS?

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