



2023 Ozone Season Summary

MARC Board of Directors
December 2023





OZONE SEASON BRIEFING

87

Yellow days

14

Ozone alerts issued

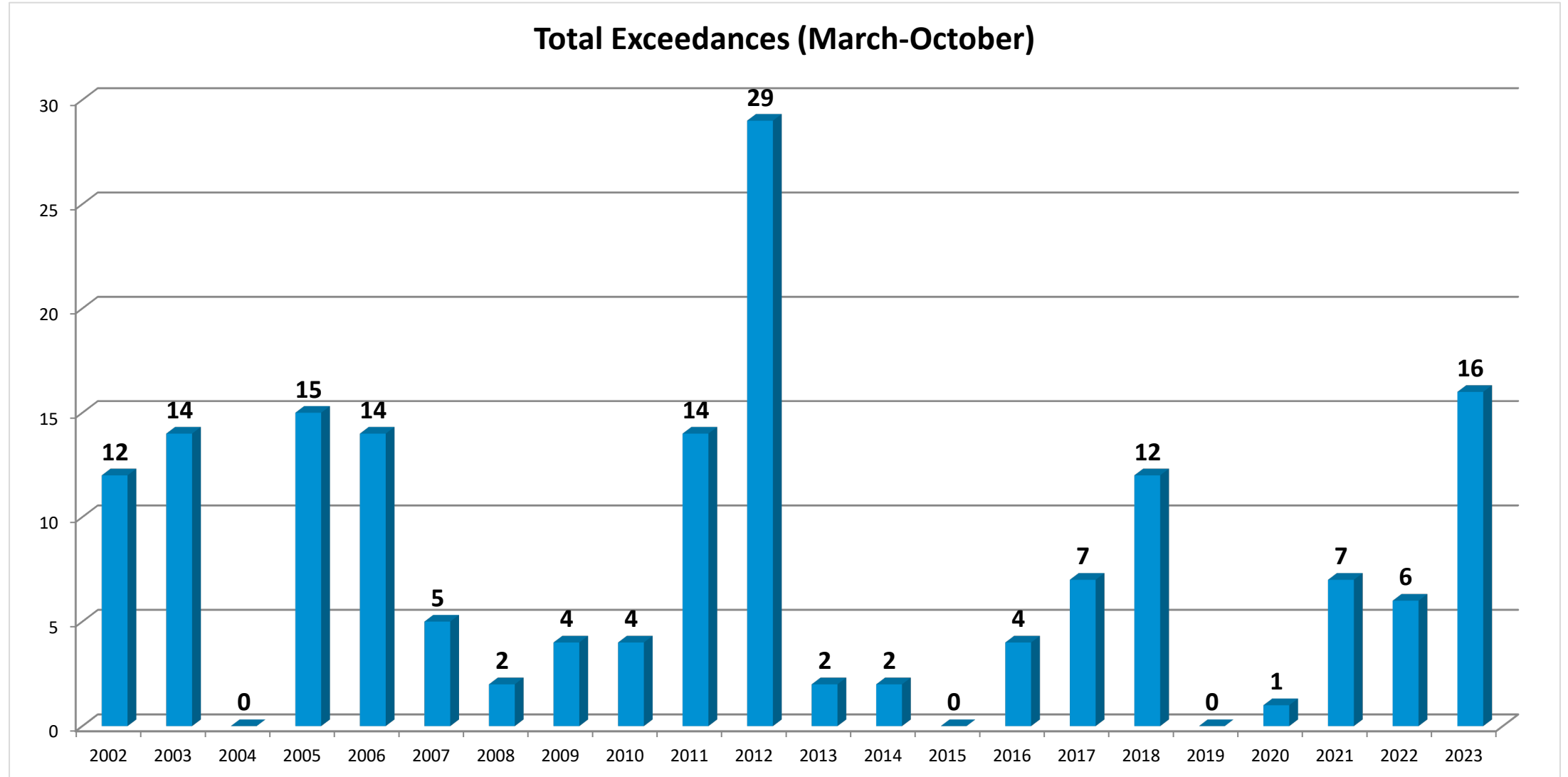
16

Exceedances

- *May 25*
- *June – 12 total*
- *July 3*
- *August 28*
- *September 2*



Exceedance History

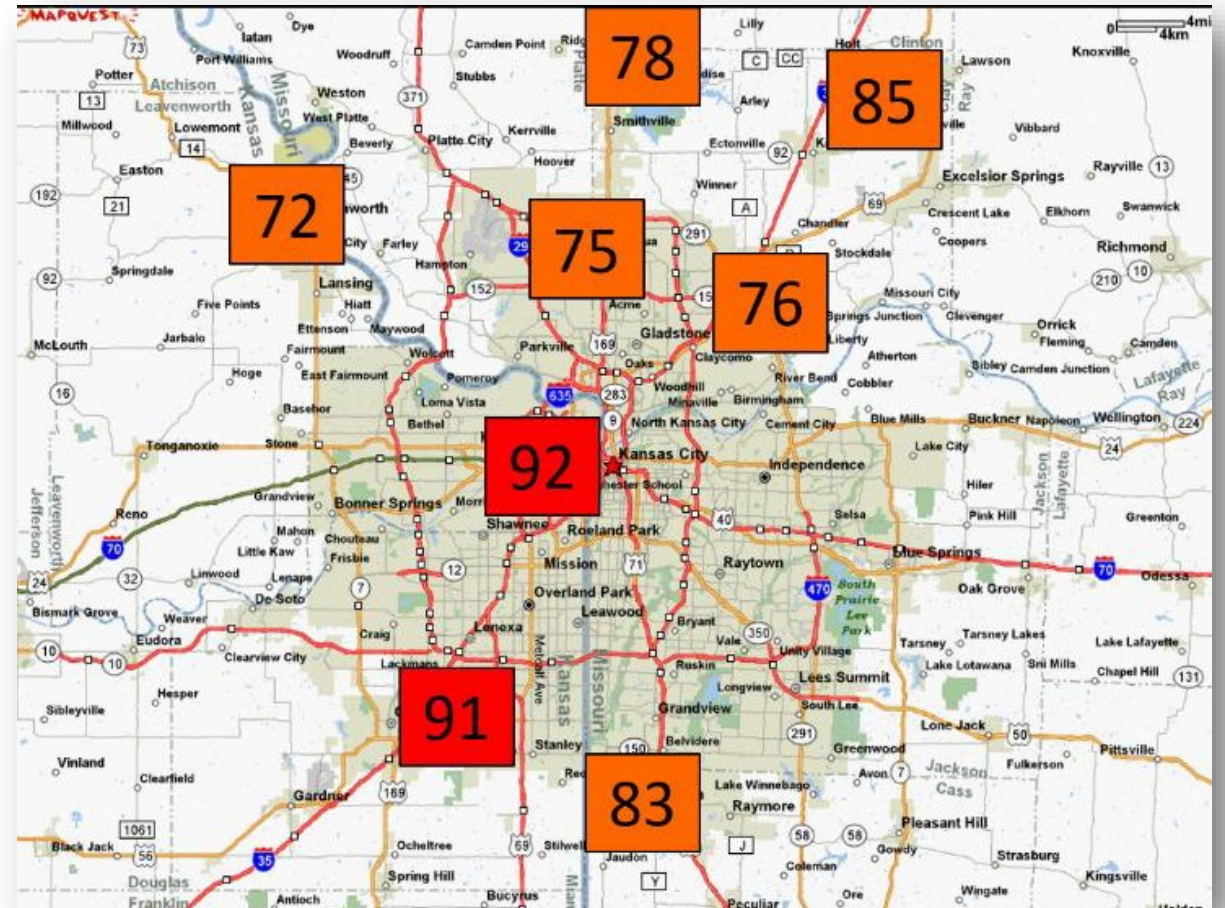




OZONE SEASON BRIEFING

June Review

- Highest # of exceedances of any month on record
- 1st Red day since 2018
- June's historic ozone levels were rooted in eastern Canadian wildfires
- Increased upwind ozone production across Great Lakes region into Eastern Missouri
- Stagnant pattern persisted for most of June



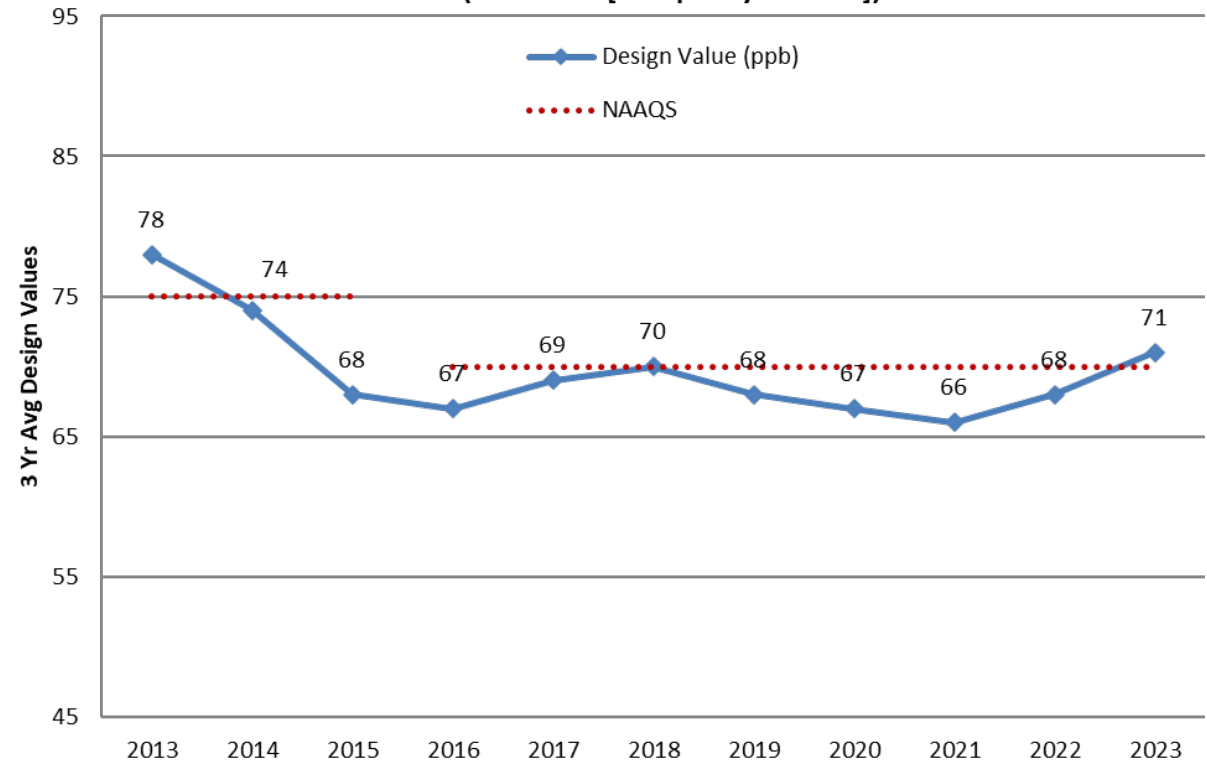


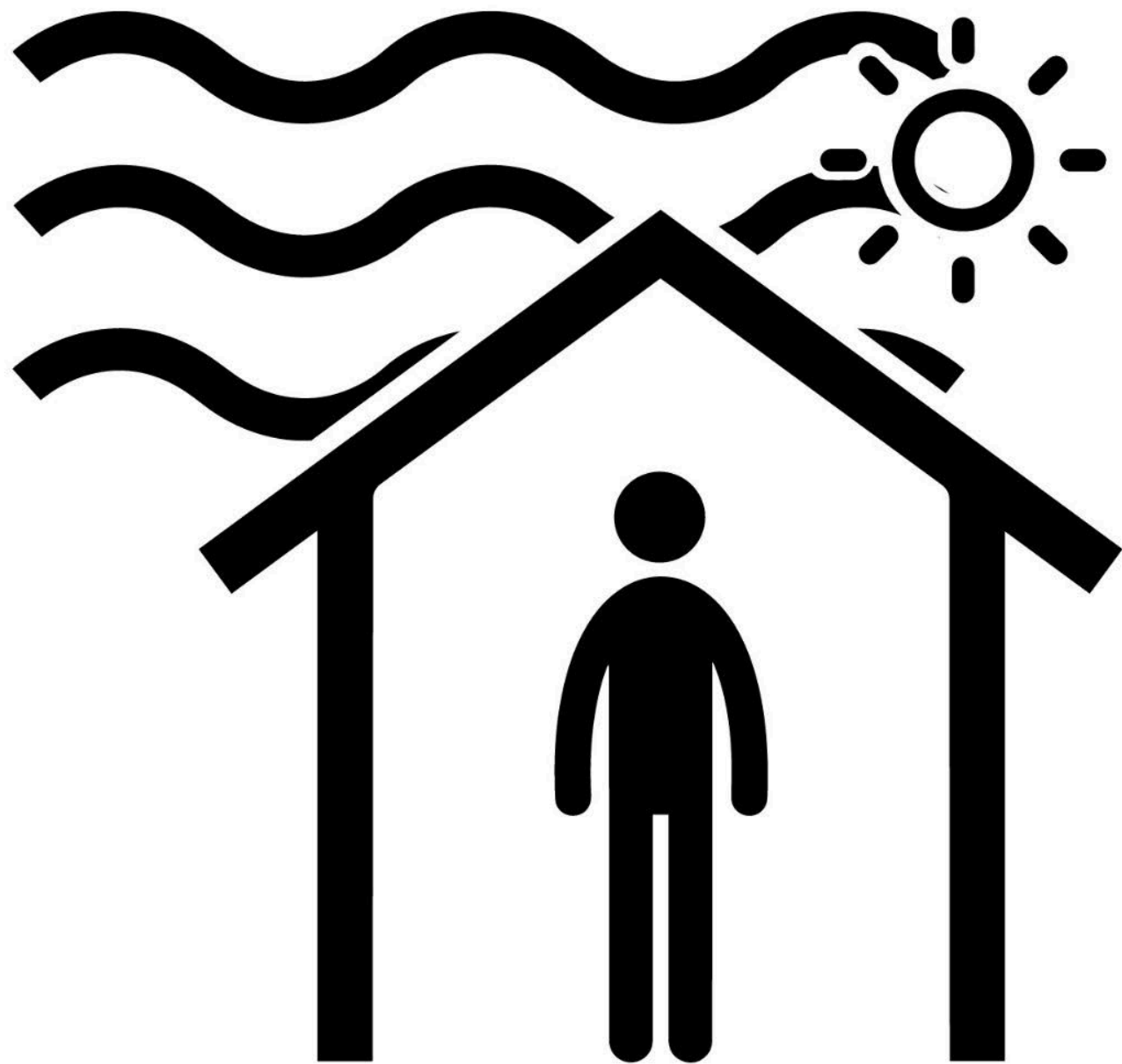
OZONE SEASON BRIEFING

- All six monitors hit a 4th high reading exceeding the NAAQS.
- June 14th - the Rocky Creek monitor hit a 4th high reading that caused our Design Value for 2021-2023 to *tentatively* violate the ozone standard.

Maximum Monitor Design Values 2013-2023*

*(2023 data [not quality assured])





**High levels
of particulate
matter.**

Annual PM2.5 Averages by monitor

