

2016 OZONE SEASON

Air Quality Advisory
Committee

October 25, 2016



EAST-WEST GATEWAY
Council of Governments

Creating Solutions Across Jurisdictional Boundaries

Ozone Data Sharing Project

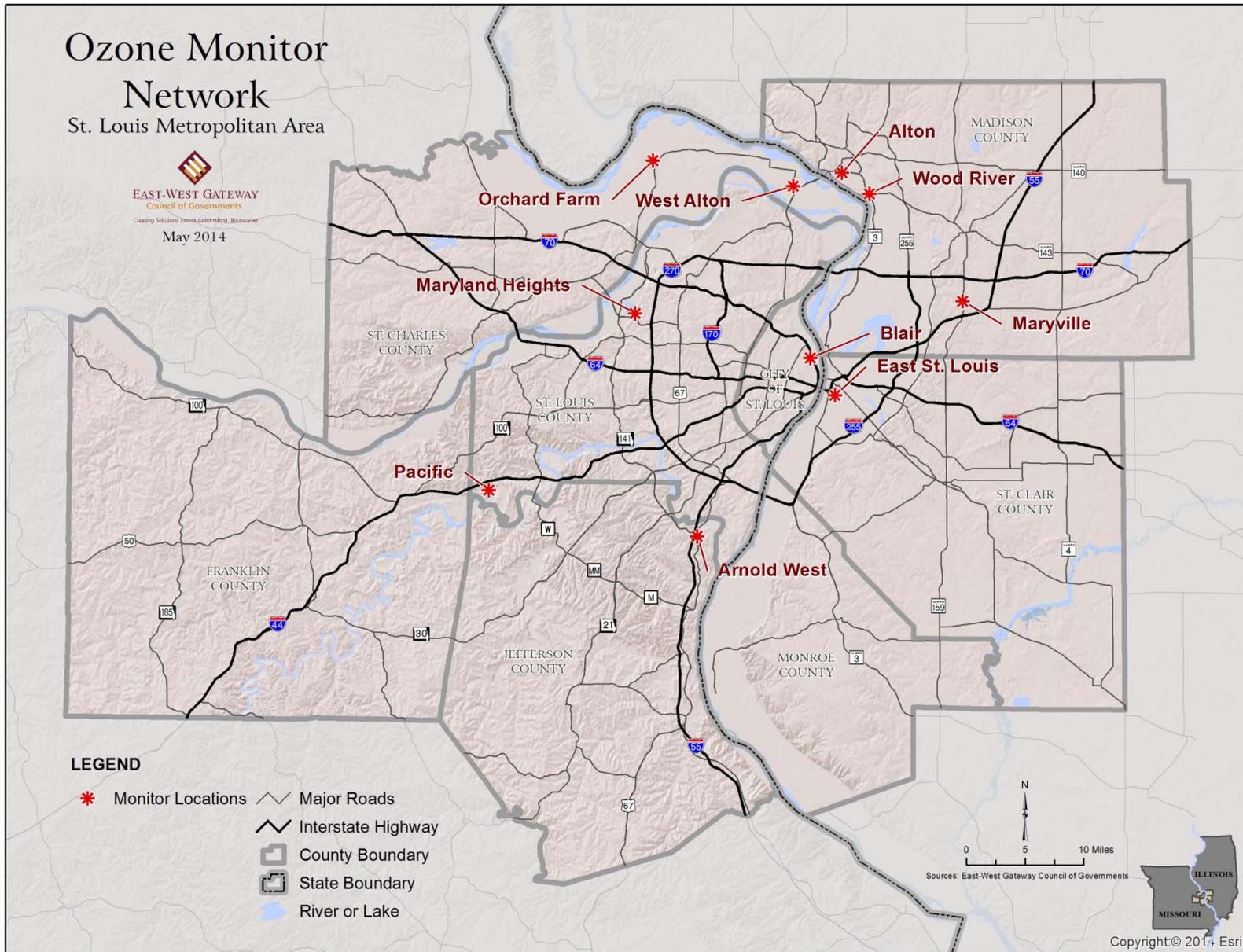
- 2016 Ozone Season - April 1 to October 31
- East-West Gateway acts as a clearinghouse for ozone data
- Initial quality assurance screening
- Prepare reports



Ozone Monitor Network

St. Louis Metropolitan Area


EAST-WEST GATEWAY
 Council of Governments
Creating Solutions Through Joint Efforts, Boundaries
 May 2014



LEGEND

-  Monitor Locations
-  Major Roads
-  Interstate Highway
-  County Boundary
-  State Boundary
-  River or Lake

0 5 10 Miles
 Sources: East-West Gateway Council of Governments



Copyright © 2014 Esri

2015 Ozone Standard

- Standard is now 70 parts per billion (ppb)
- Exceedance is when an 8-hour average is >70 ppb
- Violation is when 3-year average of 4th highest annual average is > 70 ppb



2016 Ozone Season

- Non-Attainment Area
 - 18 days with 48 exceedances
- Transport/Tracking Monitors
 - 9 days with 10 exceedances



2016 Exceedances by Month

Month	Number of Days	Exceedances
April	0	0
May	1	2
June	8	24
July	2	2
August	3	11
September	4	9
October	0	0
Total	18	48

As of October 23, 2016



EAST-WEST GATEWAY
Council of Governments

Creating Solutions Across Jurisdictional Boundaries

2016 Exceedances by Monitor

Monitor	Exceedances	Monitor	Exceedances
Arnold West	1	Wood River	8
West Alton	11	Maryville	2
Orchard Farm	7	Alton	5
Maryland Heights	6	East St. Louis	4
Pacific	2		
Blair Street (City)	2	TOTAL	48

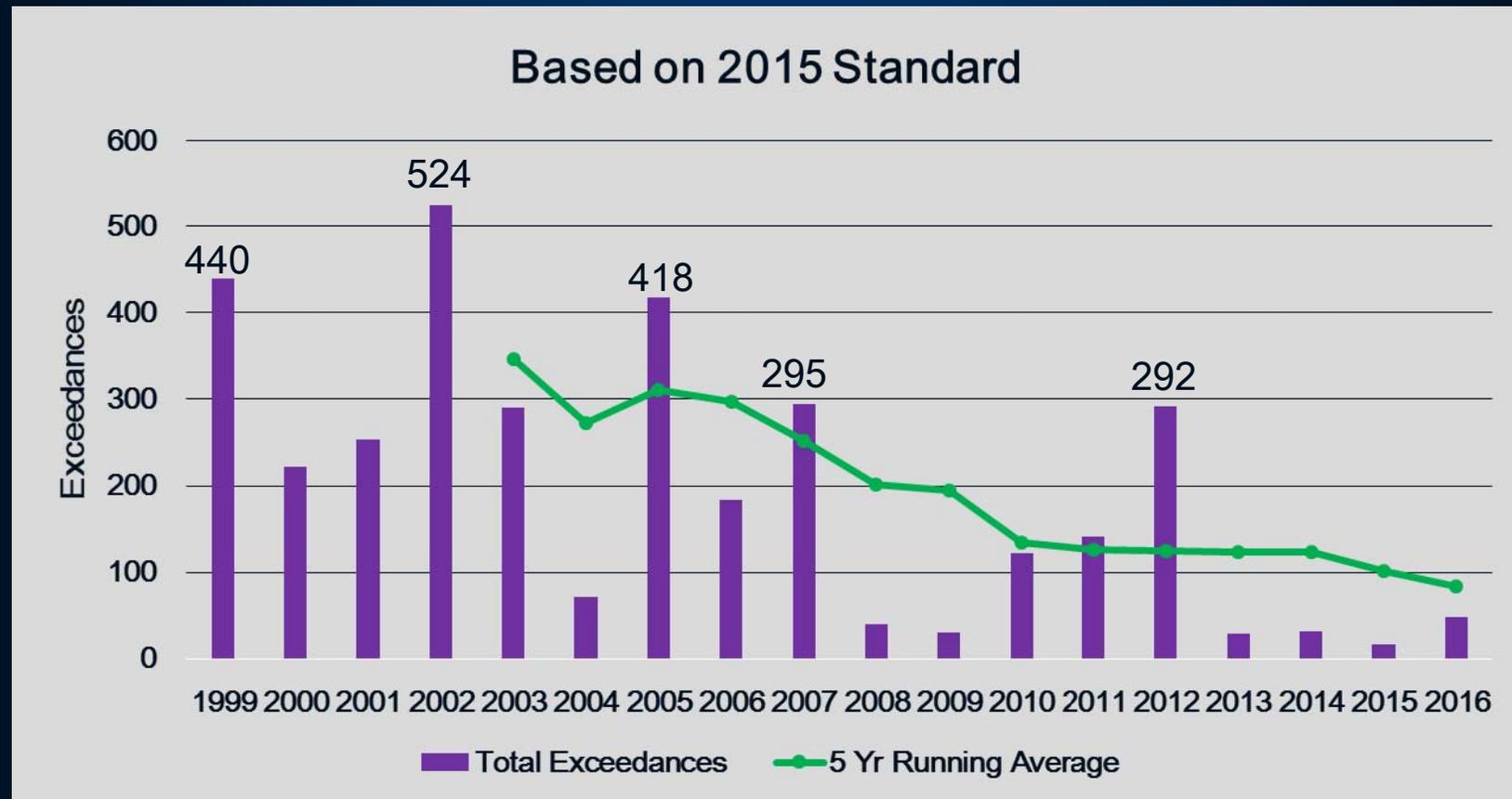
As of October 23, 2016



EAST-WEST GATEWAY
Council of Governments

Creating Solutions Across Jurisdictional Boundaries

1999 – 2016 Exceedances



General Ozone Trends



*2016 data is preliminary – still to be quality assured



EAST-WEST GATEWAY
Council of Governments

Creating Solutions Across Jurisdictional Boundaries



Mid day October 28, 1938 looking east along Pine
from 200 block of N. Tucker - St. Louis Post-Dispatch



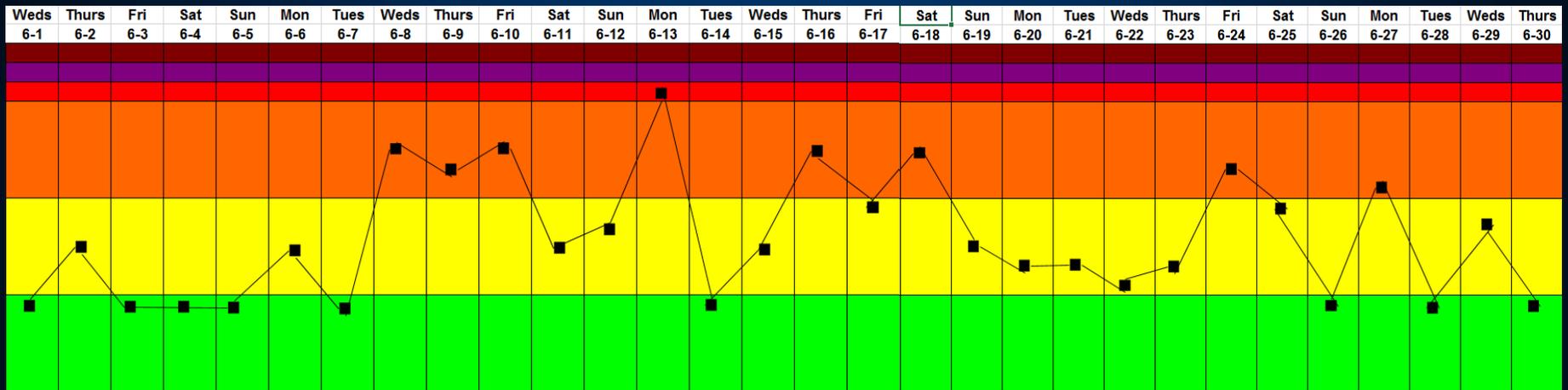
May 4, 2016 – Looking east from SSM
St. Mary's Health Center
MDNR Visual Air Pollution Camera

For Additional Information

On-line Air Quality Resource Center

www.ewgateway.org/environment/aq/aq.htm

June 2016 AQI Calendar



EAST-WEST GATEWAY
Council of Governments

Creating Solutions Across Jurisdictional Boundaries