

# Update on the Ozone Monitoring Data

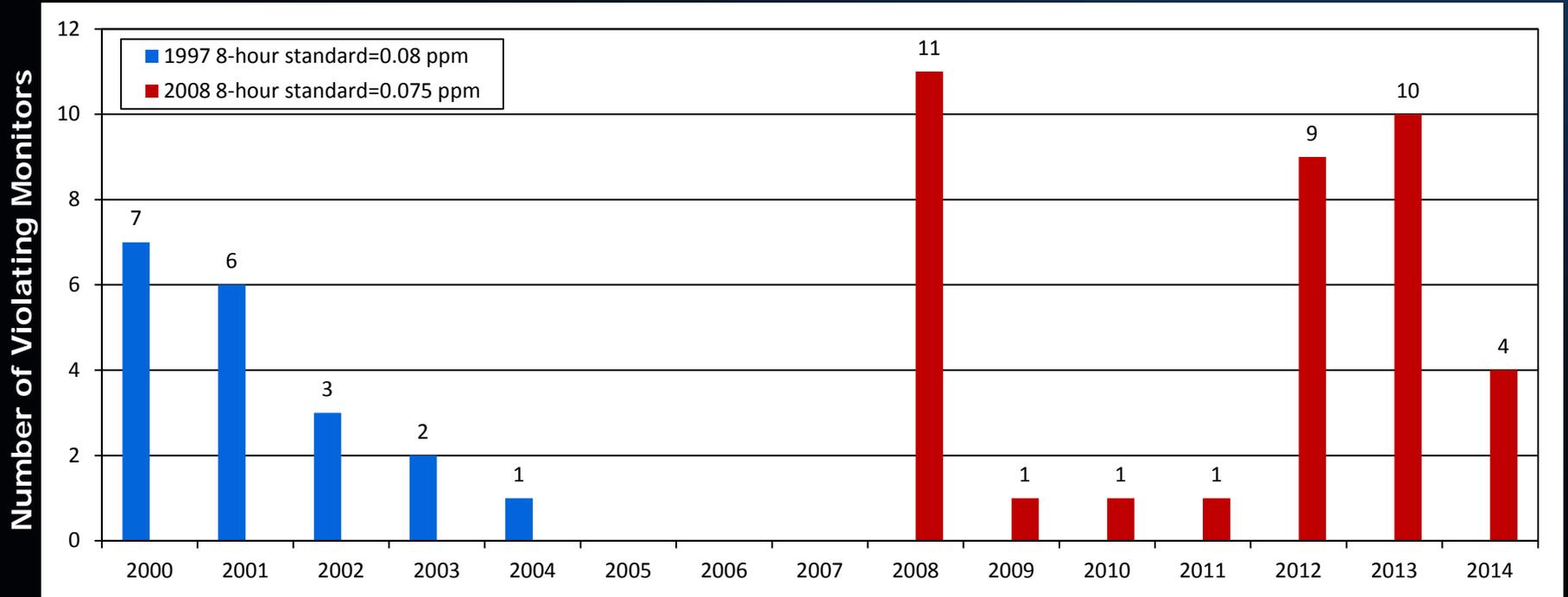


**MAG Air Quality Technical Advisory Committee**  
**September 23, 2014**



# Eight-Hour Ozone Monitoring Data

## Number of Monitors Violating the Eight-Hour Ozone Standards in the Maricopa Nonattainment Area

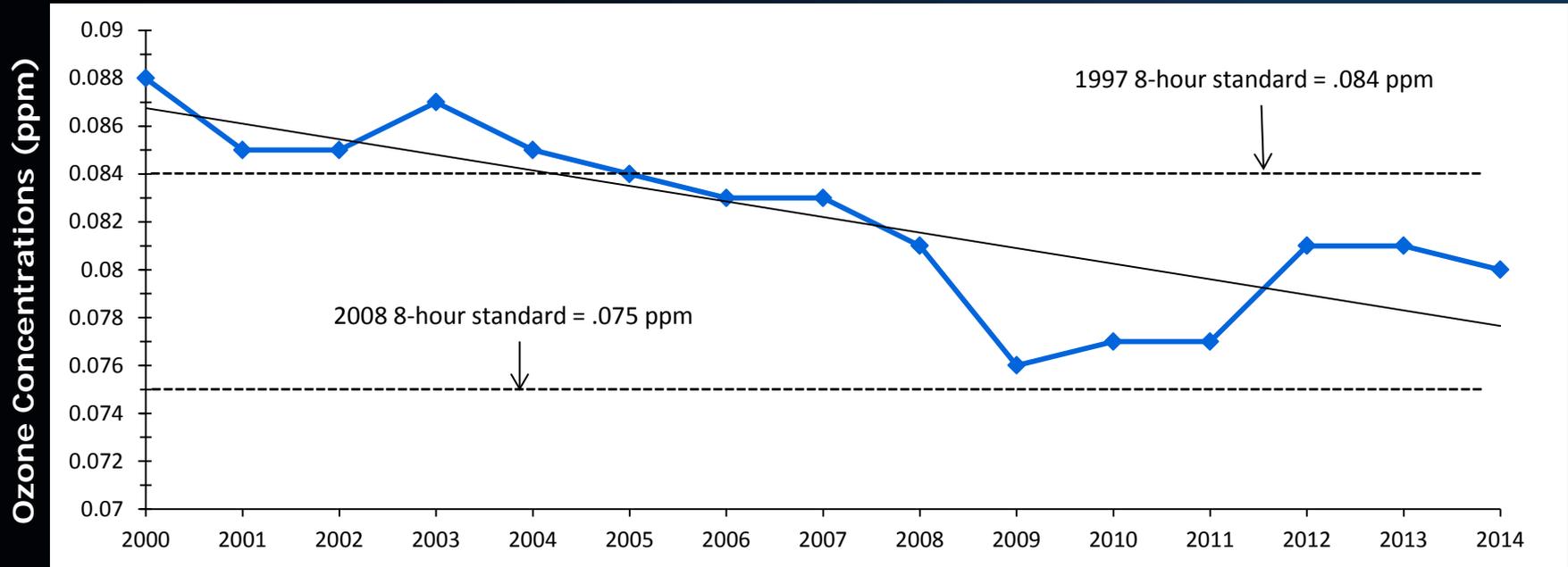


Note: 2014 is based on preliminary data through September 15, 2014.

Sources: EPA Air Quality System; Maricopa County; Pinal County; Arizona Department of Environmental Quality.

# Eight-Hour Ozone Monitoring Data

## Highest 3-Year Average of the 4<sup>th</sup> Highest 8-Hour Ozone Concentration in the Maricopa Nonattainment Area



### Notes:

- 2014 is based on preliminary data through September 15, 2014.
- To attain the 8-hour ozone standard, the 3 year average of the 4<sup>th</sup> highest daily maximum 8-hour concentration at each monitor per year must not exceed the standard.
- Due to mathematical rounding, values greater than or equal to .085 ppm are necessary to exceed the .08 ppm eight-hour ozone standard.
- Sources: 2000-2008: MAG Eight-Hour Ozone Redesignation Request and Maintenance Plan for the Maricopa Nonattainment Area, February 2009; 2009-2013: EPA Air Quality System; 2014: Maricopa County, Pinal County, Arizona Department of Environmental Quality.

# Eight-Hour Ozone Monitoring Data for 2012-2014

## 4<sup>th</sup> Highest 8-Hour Ozone Concentration at the Monitors (in ppm)

	<u>2012</u>	<u>2013</u>	<u>2014*</u>	<u>3-Year Average of the 4<sup>th</sup> High*</u>
Apache Junction	0.076	0.069	0.066	0.070
Blue Point	0.077	0.075	0.074	0.075
Buckeye	0.068	0.060	0.060	0.062
Cave Creek	0.078	0.072	0.074	0.074
Central Phoenix	0.077	0.075	0.071	0.074
Dysart	0.073	0.074	0.070	0.072
Falcon Field	0.069	0.077	0.076	0.074
Fountain Hills	0.077	0.070	0.068	0.071
Glendale	0.078	0.074	0.071	0.074
Humboldt Mountain	0.079	0.073	0.074	0.075
Mesa	N/A	0.079	0.078	N/A
<b>North Phoenix</b>	<b>0.083</b>	<b>0.079</b>	<b>0.078</b>	<b>0.080</b>
<b>Phoenix Supersite</b>	<b>0.076</b>	<b>0.079</b>	<b>0.077</b>	<b>0.077</b>
<b>Pinnacle Peak</b>	<b>0.079</b>	<b>0.077</b>	<b>0.080</b>	<b>0.078</b>
Rio Verde	0.072	0.073	0.073	0.072
South Phoenix	0.078	0.075	0.073	0.075
South Scottsdale	0.080	0.074	0.072	0.075
Tempe	0.073	0.071	0.071	0.071
Tonto National Monument+	0.078	0.072	0.072	0.074
West Chandler	0.074	0.070	0.070	0.071
<b>West Phoenix</b>	<b>0.083</b>	<b>0.076</b>	<b>0.076</b>	<b>0.078</b>

\* Based on preliminary data through September 15, 2014.

+ The Tonto monitor is located outside the 8-hour ozone nonattainment area.

Source: EPA Air Quality System; Maricopa County; Pinal County; Arizona Department of Environmental Quality.

ENVIRONMENTAL  
PROGRAMS

# Attainment Date Extension Requirements for the 2008 Ozone Standard

- On June 6, 2013, EPA published a proposed rule on the Implementation of the 2008 National Ambient Air Quality Standards for Ozone: State Implementation Plan Requirements.
  - Eligible for a one-year extension of the attainment date if, for the attainment year, the area's fourth highest daily eight-hour average is at or below 0.075 ppm.
  - Eligible for the second one-year extension if the area's fourth highest daily eight-hour value, averaged over both the original attainment year and the first extension year, is at or below 0.075 ppm.



# 2015 Eight-Hour Ozone Monitoring Data Needed to Meet the Standard

## 4<sup>th</sup> Highest 8-Hour Ozone Concentration at the Monitors (in ppm)

	<u>2013</u>	<u>2014*</u>	<u>2015 4<sup>th</sup> Highest Value Needed to Meet</u>
			<u>the Standard</u>
Apache Junction	0.069	0.066	0.092
Blue Point	0.075	0.074	0.078
Buckeye	0.060	0.060	0.107
Cave Creek	0.072	0.074	0.081
Central Phoenix	0.075	0.071	0.081
Dysart	0.074	0.070	0.083
Falcon Field	0.077	0.076	0.074
Fountain Hills	0.070	0.068	0.089
Glendale	0.074	0.071	0.082
Humboldt Mountain	0.073	0.074	0.080
Mesa	0.079	0.078	0.070
North Phoenix	0.079	0.078	0.070
Phoenix Supersite	0.079	0.077	0.071
Pinnacle Peak	0.077	0.080	0.070
Rio Verde	0.073	0.073	0.081
South Phoenix	0.075	0.073	0.079
South Scottsdale	0.074	0.072	0.081
Tempe	0.071	0.071	0.085
Tonto National Monument*	0.072	0.072	0.083
West Chandler	0.070	0.070	0.087
West Phoenix	0.076	0.076	0.075

\* Based on preliminary data through September 15, 2014.

+ The Tonto monitor is located outside the 8-hour ozone nonattainment area.

Source: EPA Air Quality System; Maricopa County; Pinal County; Arizona Department of Environmental Quality.



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