

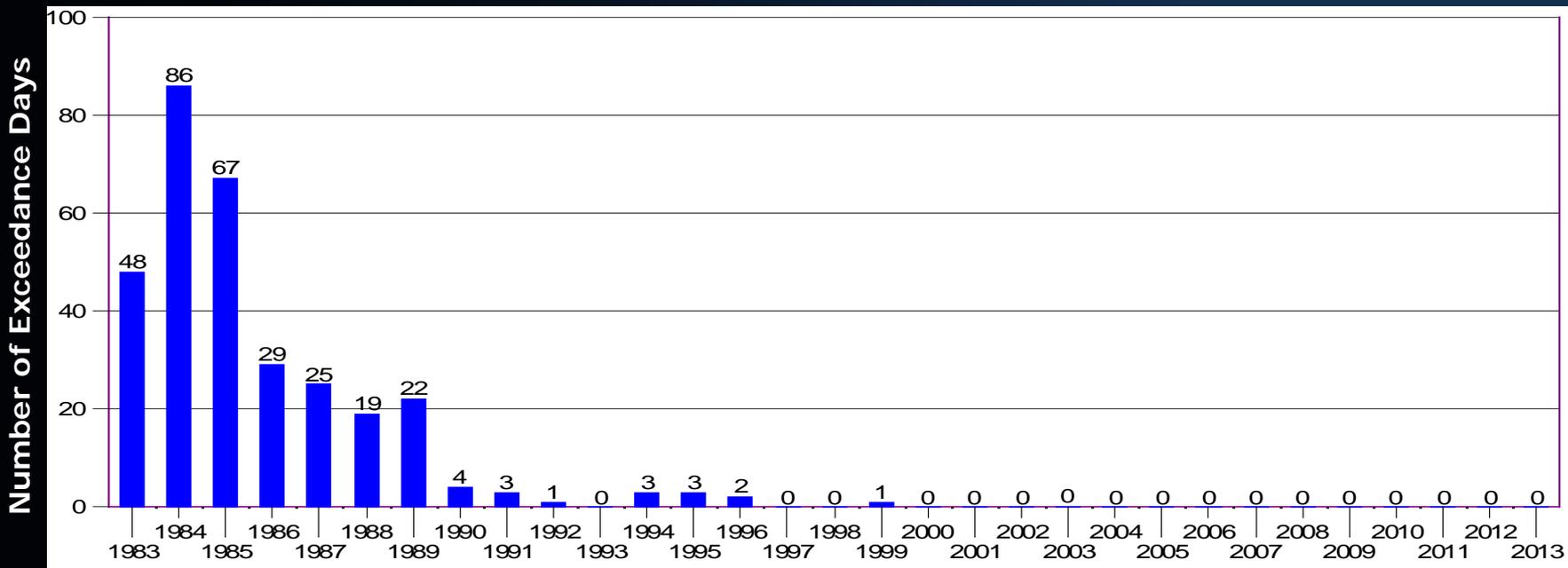
Air Quality Status Report



MAG Air Quality Technical Advisory Committee
May 22, 2014

Carbon Monoxide Monitoring Data

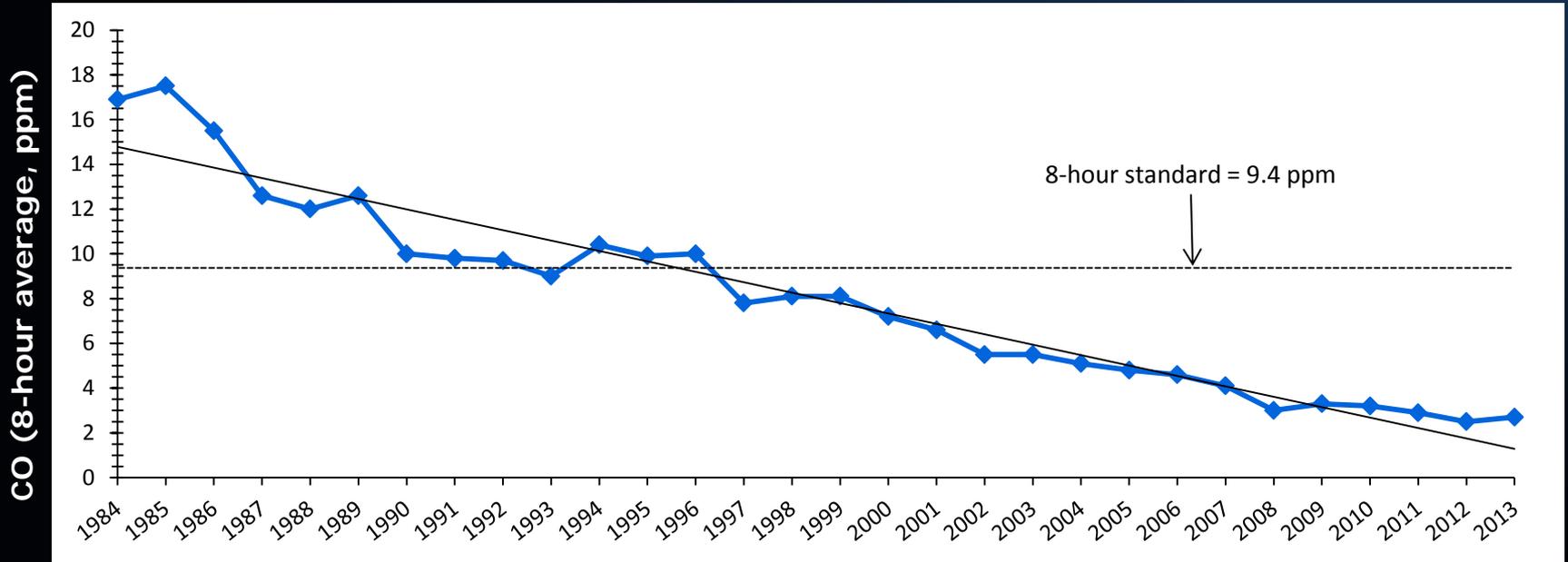
Number of Eight-Hour Carbon Monoxide Exceedance Days in the Maricopa County Maintenance Area



Sources: 1983-1998: Revised MAG 1999 Serious Area Carbon Monoxide Plan for the Maricopa County Nonattainment Area, March 2001;
1999-2013: EPA Air Quality System.

Carbon Monoxide Monitoring Data

2nd Highest Eight-Hour Carbon Monoxide Concentrations in the Maricopa County Maintenance Area

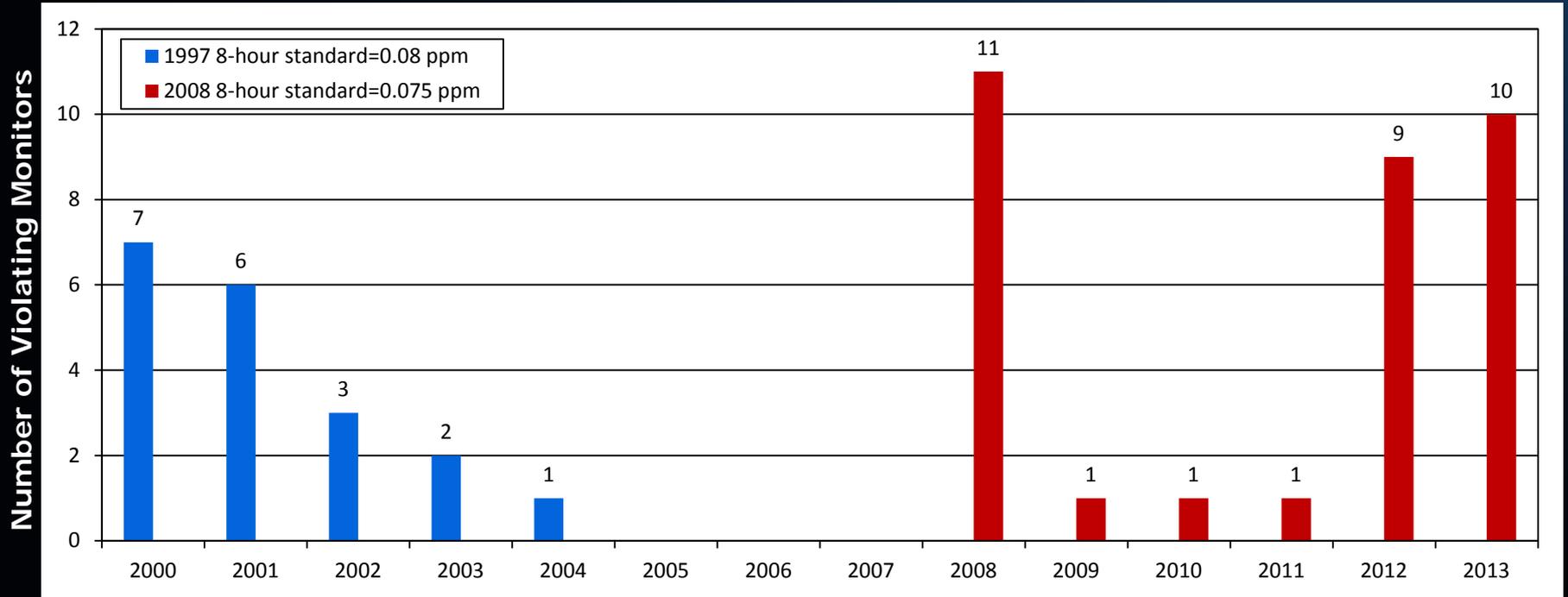


Notes:

- The eight-hour carbon monoxide standard allows no more than one exceedance of the 9 ppm standard at the same monitor per year.
- Due to mathematical rounding, values greater than or equal to 9.5 ppm are necessary to exceed the standard.
- Source: EPA Air Quality System.

Eight-Hour Ozone Monitoring Data

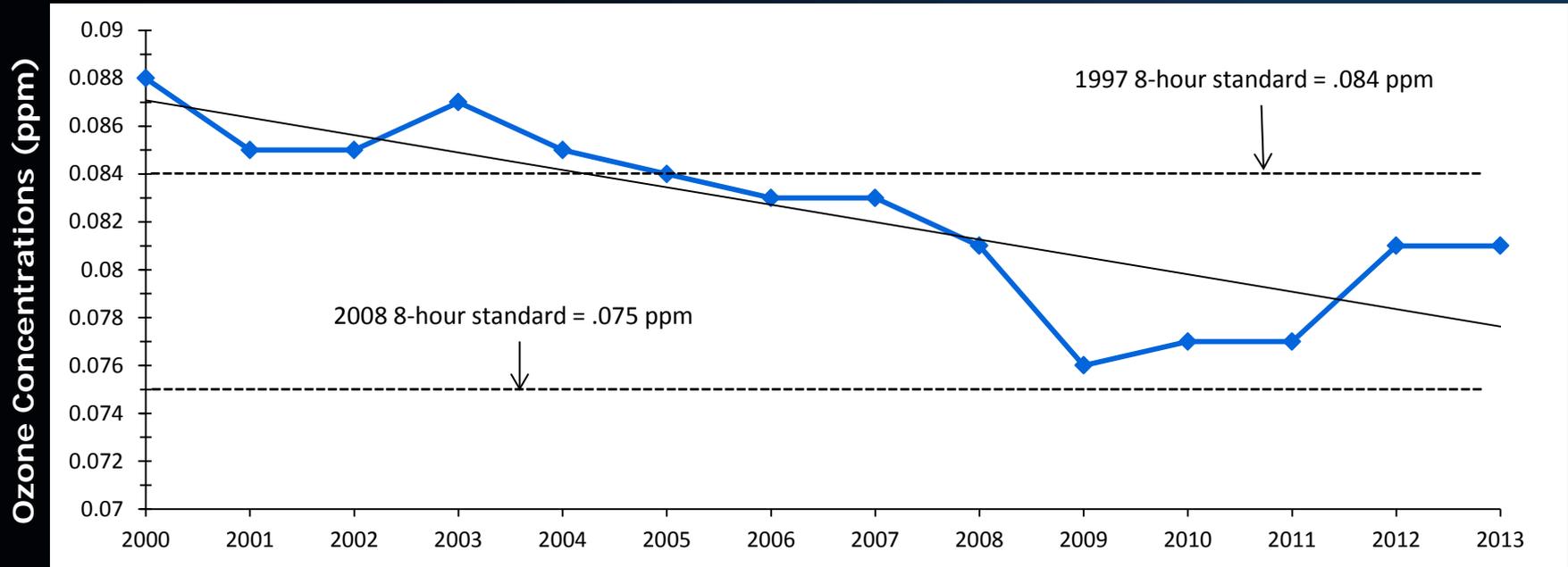
Number of Monitors Violating the Eight-Hour Ozone Standards in the Maricopa Nonattainment Area



Sources: Maricopa County Air Quality Monitoring Data; EPA Air Quality System.

Eight-Hour Ozone Monitoring Data

Highest 3-Year Average of the 4th Highest 8-Hour Ozone Concentration in the Maricopa Nonattainment Area



- Notes:
- To attain the eight-hour ozone standard, the 3 year average of the 4th 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.

Eight-Hour Ozone Monitoring Data

4th Highest 8-Hour Ozone Concentration at the Monitors

- **The eight-hour ozone concentrations in the Maricopa Nonattainment Area decreased in 2013.**
- **There were 6 monitors in 2013 where the fourth highest eight-hour ozone concentration was greater than .075 ppm compared to 14 monitors in 2012 and 12 monitors in 2011.**

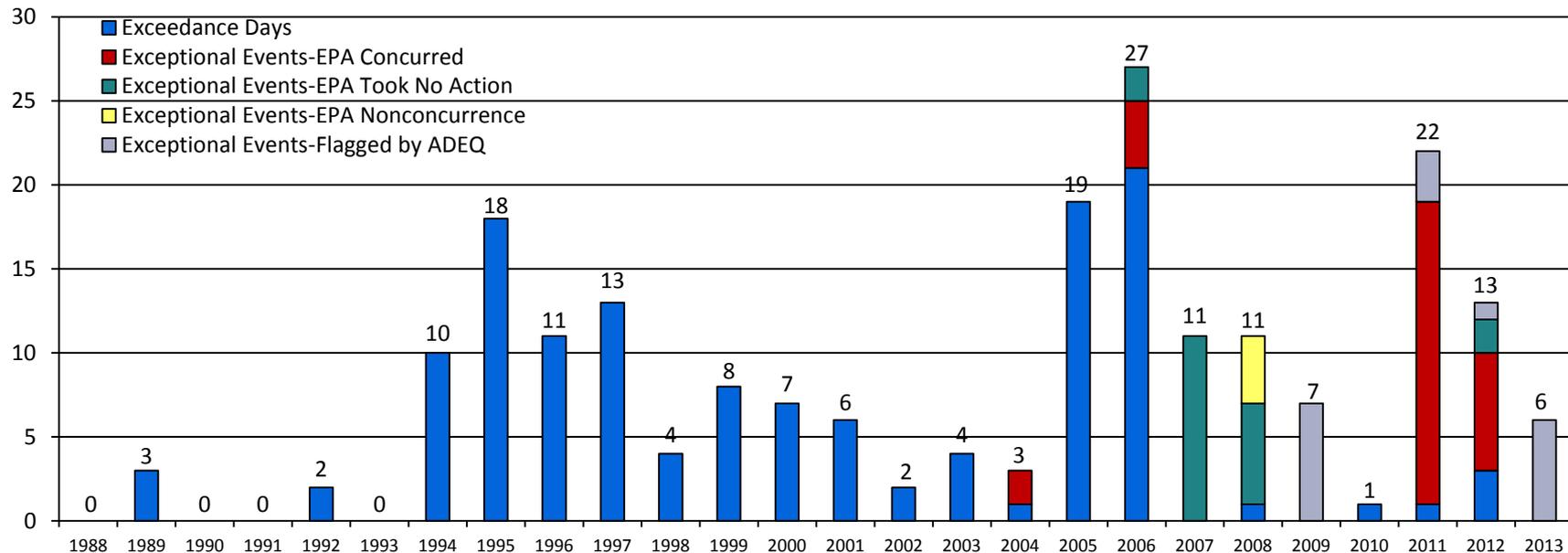
	<u>2011</u>	<u>2012</u>	<u>2013</u>
Apache Junction	0.075	0.076	0.069
Blue Point	0.081	0.077	0.075
Buckeye	0.067	0.068	0.060
Cave Creek	0.081	0.078	0.072
Central Phoenix	0.073	0.077	0.075
Dysart	0.070	0.073	0.074
Falcon Field	0.070	0.069	0.077
Fountain Hills	0.077	0.077	0.070
Glendale	0.076	0.078	0.074
Humbolt Mountain	0.077	0.079	0.073
Mesa	N/A	N/A	0.079
North Phoenix	0.082	0.083	0.079
Phoenix Supersite	0.078	0.076	0.079
Pinnacle Peak	0.077	0.079	0.077
Rio Verde	0.081	0.072	0.073
South Phoenix	0.076	0.078	0.075
South Scottsdale	0.075	0.080	0.074
Tempe	0.070	0.073	0.071
Tonto National Monument*	0.076	0.078	0.072
West Chandler	0.074	0.074	0.070
West Phoenix	0.078	0.083	0.076

*The Tonto monitor is located outside the 8-hour ozone nonattainment area.
Source: EPA Air Quality System.

PM-10 Monitoring Data

Number of 24-Hour PM-10 Exceedance Days in Maricopa County and the PM-10 Nonattainment Area

Number of Exceedance Days



Notes:

- To attain the 24-hour PM-10 standard, there can be no more than 3 exceedances of 154 micrograms per cubic meter over a 3 year period per monitor.
- The Arizona Department of Environmental Quality began flagging exceptional events in 2004.
- On July 19, 2007, the exceedance at the Buckeye monitor was not associated with the exceptional event that also occurred on that day.
- Sources: 1988-1997: Revised MAG 1999 Serious Area Particulate Plan for PM-10 for the Maricopa County Nonattainment Area, February 2000; 1998-2013: EPA Air Quality System.



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GOVERNMENTS**



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