



Phoenix Air Quality: PM₁₀ History and Current Exceptional Events

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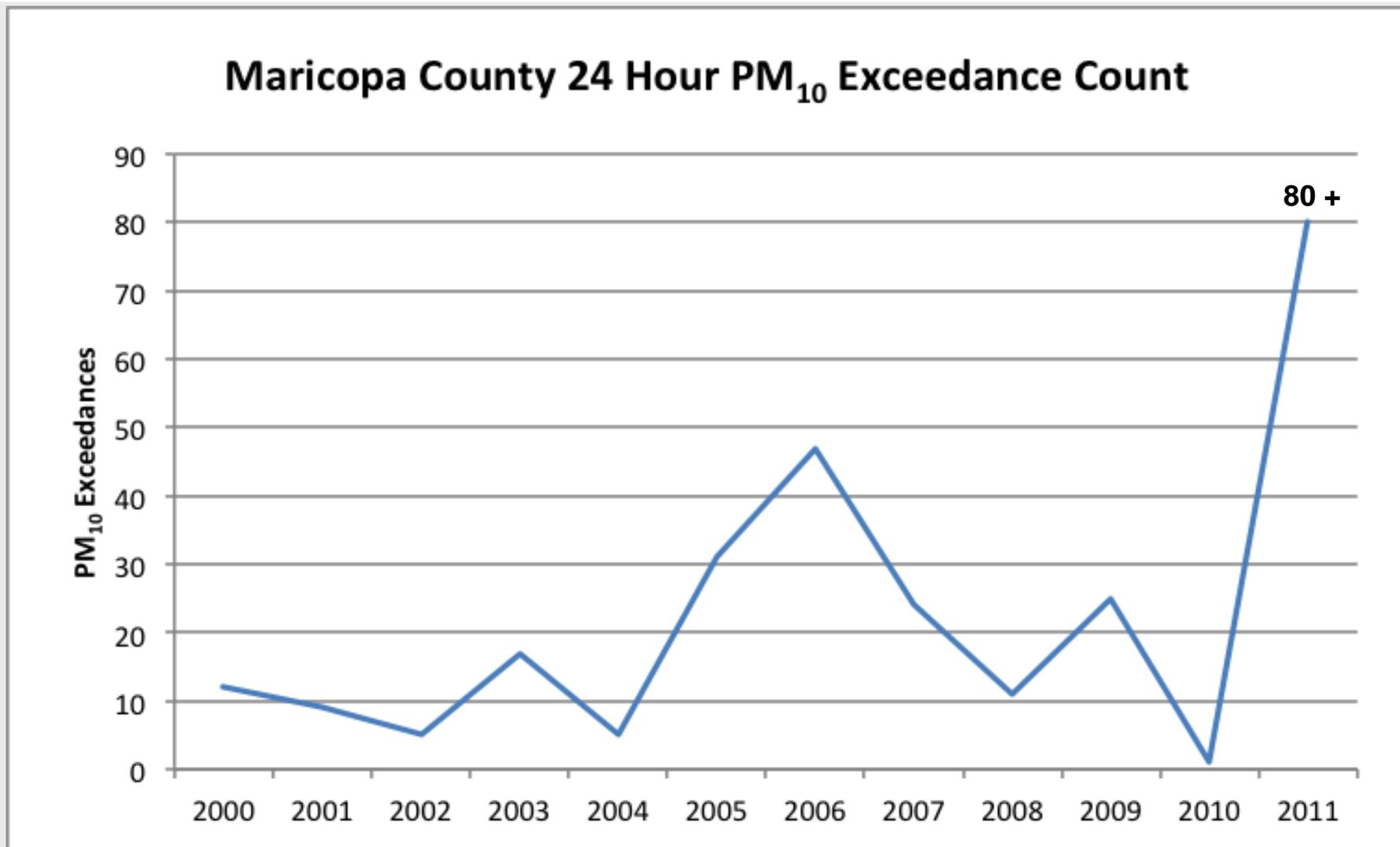
Agriculture Air Quality Task Force
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Overview

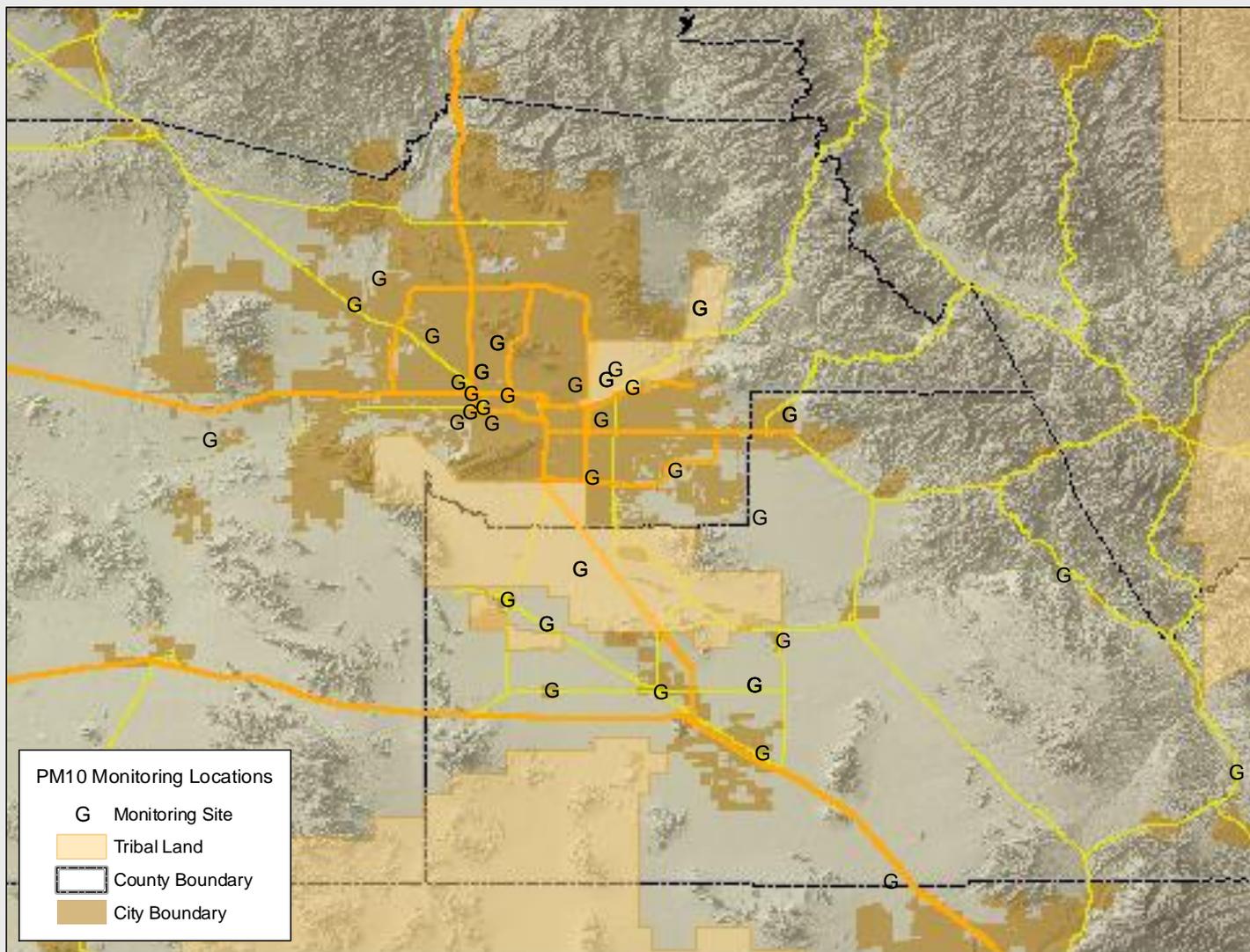


- Looking back – Maricopa County's PM₁₀ history
- Summer 2011 - An unusual summer
- Progress on July 2011 Exceptional Events
- Looking forward

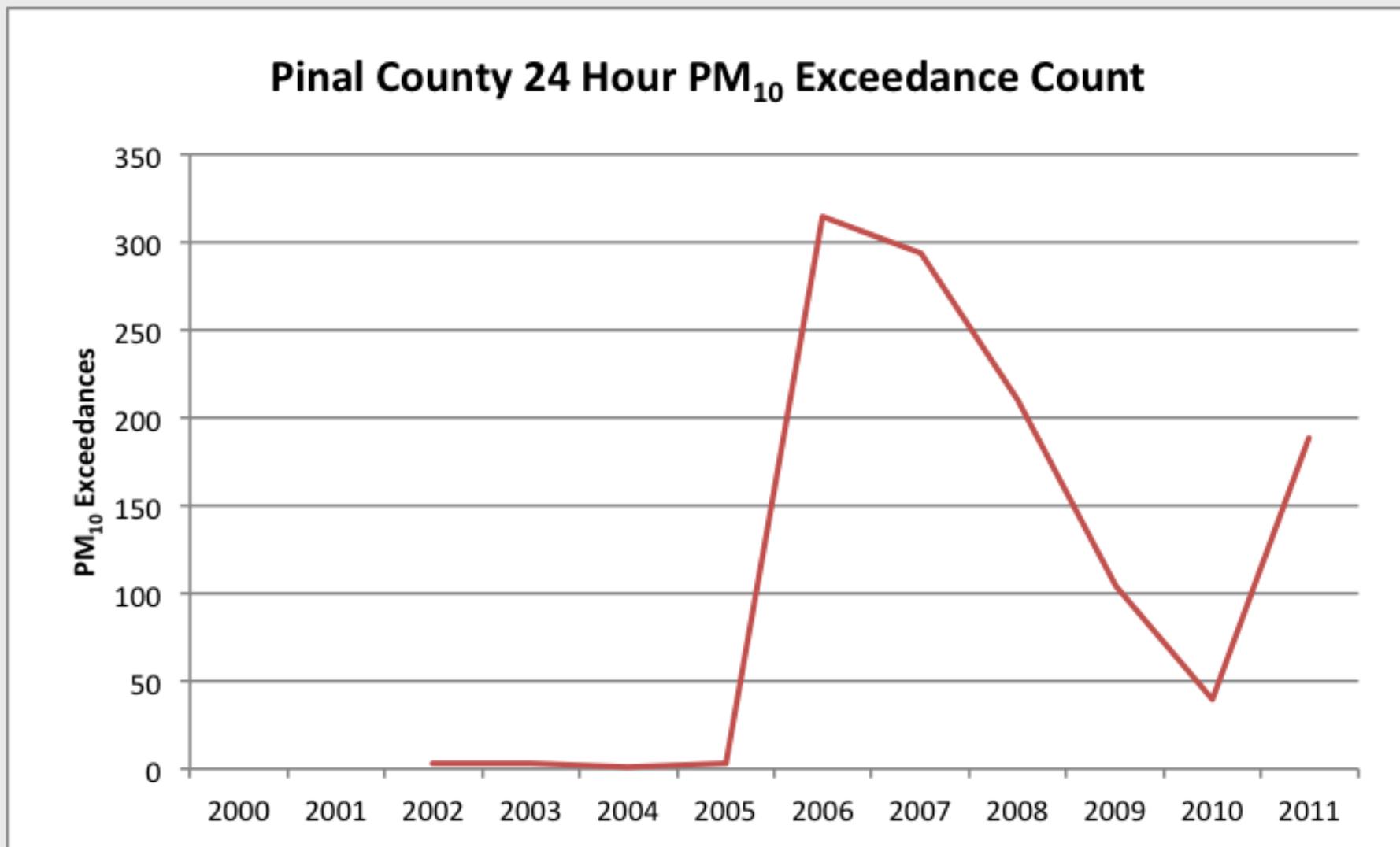
Maricopa County: from 2000-present



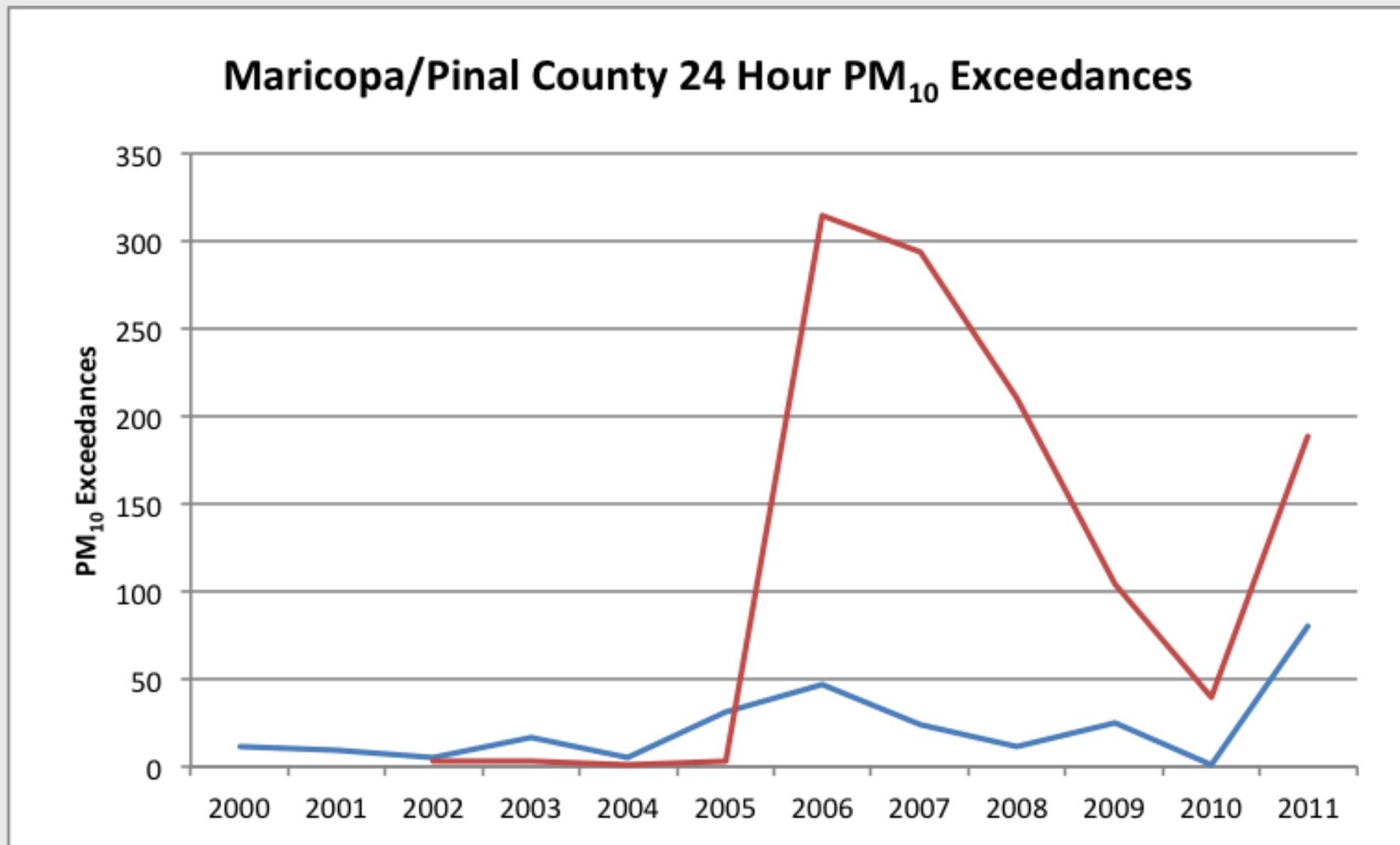
PM₁₀ Monitoring Locations



Pinal County: from 2000-present



Pinal & Maricopa Counties: from 2000-present



Summer 2011: An Unusual Summer...



Regional Dust Storm July 5, 2011 8:00 PM



Regional Dust Storm July 5, 2011 8:10 PM

July 2011 Exceptional Events



- 2011: Several large and dramatic dust storms cause at least 85 exceedances of the PM₁₀ standard
 - ADEQ, MAG, and EPA R9 begin working closely on exceptional events demonstration packages, specifically for five days in July.
 - Agree these events are unusual. Still need the packages to satisfy all applicable requirements of the exceptional events rule.
 - Expect this documentation and analysis to be directly applicable to future demonstrations packages, and serve as a template for future events.
- October 24, 2011: ADEQ makes draft exceptional event demonstration available for EPA review. Covers 29 exceedances over five days in July.
- November 22, 2011: EPA R9 provides detailed comments on draft documentation, discusses with ADEQ staff and management

Looking Forward



- March 2012: ADEQ submits final documents for five days in July 2011 to EPA.
- Future PM₁₀ packages: July 2011 events package lays the foundation for future packages → Less State time and resources on future packages, faster submittal and faster review.
- Anticipate using ADEQ package as national example for PM₁₀ events
- National work on exceptional events guidance to clarify rule and provide additional information to state and local agencies.