

UPDATE: WEST PINAL PM10 STATE IMPLEMENTATION PLAN (SIP)

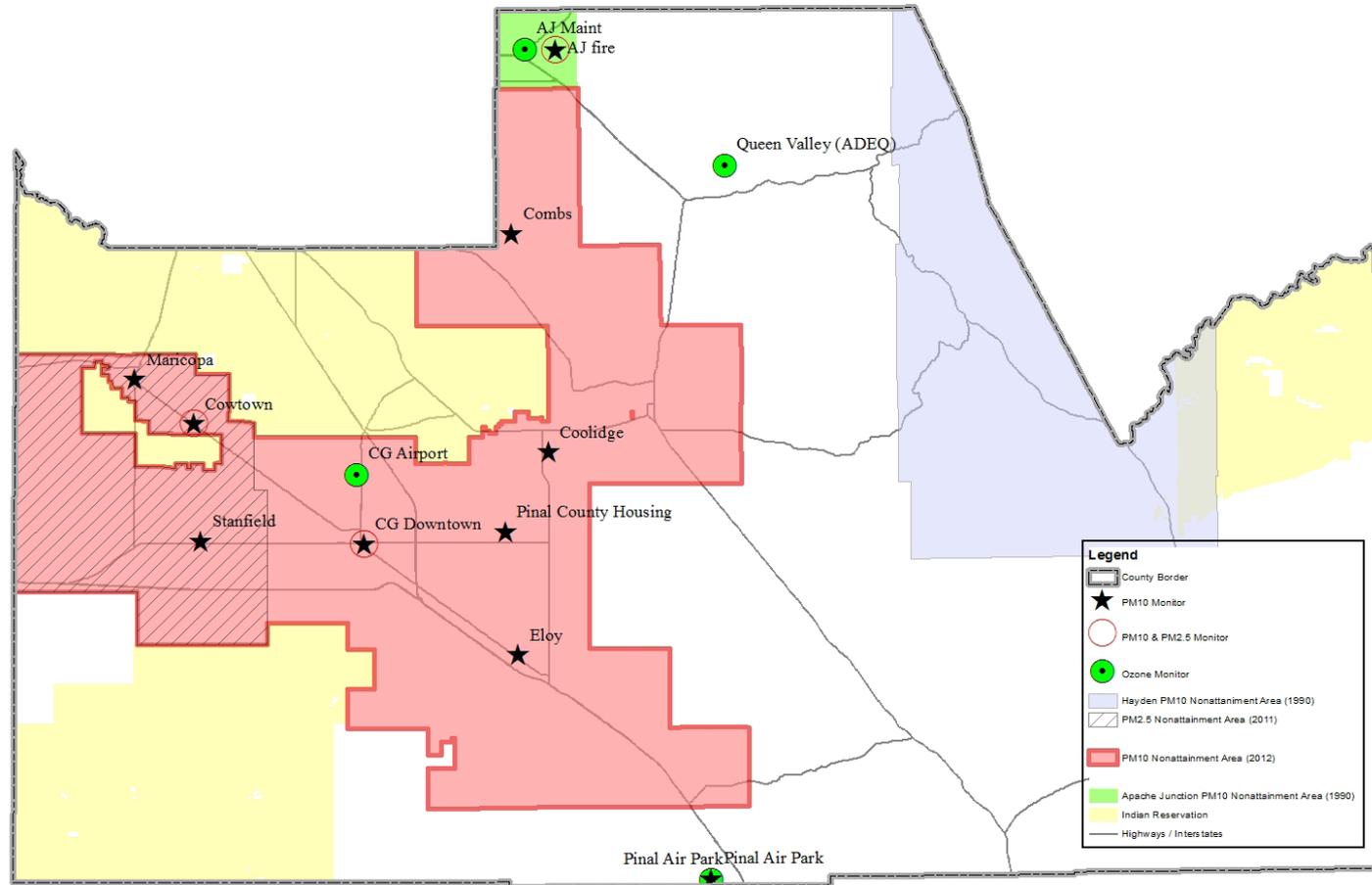
PINAL COUNTY AIR QUALITY WORKSHOP

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January 27, 2016

Pinal Regulatory Issues

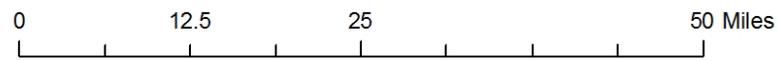
- ▣ PM-10 nonattainment
 - NAA Designation - July, 2012
 - SIP Complete (1/5/2016 Submittal)
 - ▣ ADEQ is the lead agency in SIP development (statutory)
 - ▣ Components include:
 - Inventory(2008 &2018)
 - Modeling (Source Apportionment)
 - RACM Analysis
 - Control Evaluation (what is needed to show attainment)
 - Control measures (RACM)
 - Demonstration of compliance by 2018

Pinal County Air Quality Control District Monitoring Network

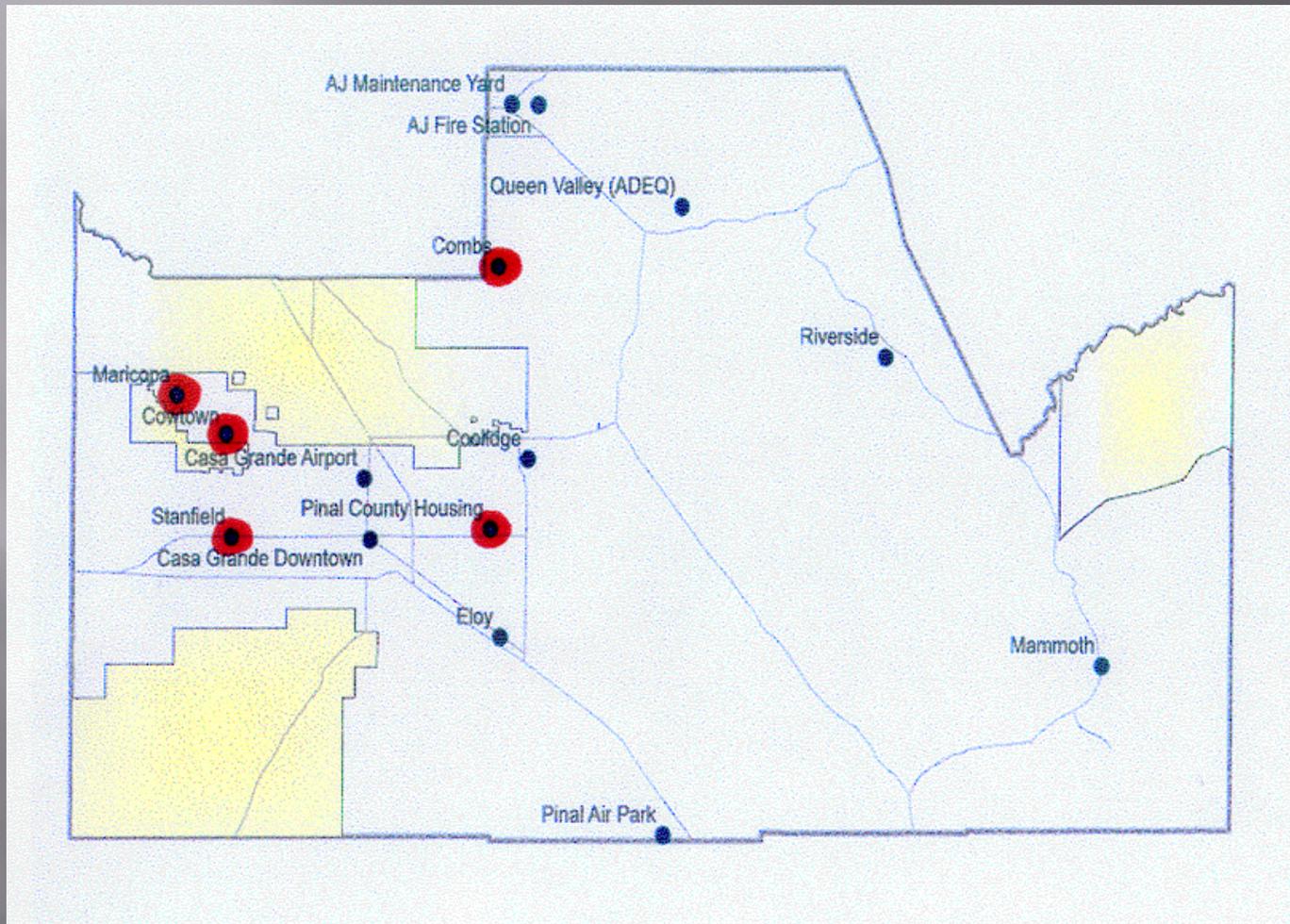


Legend

- County Border
- PM10 Monitor
- PM10 & PM2.5 Monitor
- Ozone Monitor
- Hayden PM10 Nonattainment Area (1990)
- PM2.5 Nonattainment Area (2011)
- PM10 Nonattainment Area (2012)
- Apache Junction PM10 Nonattainment Area (1990)
- Indian Reservation
- Highways / Interstates



PM-10 Violating Monitors



SIP Control Measures

- ▣ Agricultural Operations
 - Open Field Ag, Feed operations, Dairy operations, Irrigation Districts (AgBMP's - ADEQ)
- ▣ Construction Activity
 - Enhanced Local Rule (Pinal County)
 - Effective locally 1/1/2016
- ▣ Fugitive Dust
 - Open areas, vacant lands, roads, etc. (Pinal County)
 - Effective locally 1/1/2016

Ozone NAAQS Revision

- ▣ On October 1 2015 EPA Finalized a Revision to the 8-Hour Ozone Standard
 - Level set at 70ppb
 - 3 year avg of 4th highest daily 8 hour conc.
 - Includes Both Primary and Secondary Standard
- ▣ Timeline
 - State area recommendations due October 2016
 - EPA to finalize area designations in late 2017 (using 2014-2016 data)
 - SIP's due 36 months after designation
 - Compliance date depends on level of designation (marginal, moderate, serious, etc)

Pinal County Ozone Statistics

Site	2013-2015 3 Year Avg. 4th high (ppb)*
Apache Junction	69
Casa Grande	65
Pinal Air Park	65
Queen Valley (ADEQ)	71

* 2015 is preliminary data

Designation Process

- ▣ EPA Begins with CBSA
- ▣ CBSAs consist of a county or counties containing at least one urban core plus adjacent counties that have a high degree of social and economic integration with the urban core as measured by commuting ties.
- ▣ Factors used to establish CBSAs are similar to the factors EPA used to consider when determining whether a nearby area is contributing to the violation of the standard.

Designation Process

- ▣ The 9 Factors:
 - Air quality data
 - Emission sources, locations & contribution to ozone
 - Population density & degree of urbanization
 - Traffic & commuting patterns
 - Growth rates & patterns
 - Meteorology
 - Geography/topography
 - Jurisdictional boundaries
 - Level of control of emission sources

Designation Process

- ▣ ADEQ stakeholder meetings begin in February
- ▣ Non-attainment designations:
 - Areas not attaining the standard
 - Areas that contribute to non-attainment
- ▣ A portion of Pinal County does not measure compliance with the NAAQS
- ▣ Status of remainder of Pinal County uncertain
- ▣ More information available at:
 - <http://www3.epa.gov/ozonepollution/actions.html>

Contact Information

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