

# Air Quality Update

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# Air Quality Items

- Cowtown Monitor Relocation
- PM10 SIP Update
- Future items

# Cowtown Site Relocation

- PM10 and PM2.5 monitors to be relocated
- EPA approval required for new PM10 & PM2.5 site
- EPA provided guidelines for relocation process
- Cowtown lease ends January 2016
- Relocation field study concluded June 2015

# Process

- EPA guidance suggested “Similar Site”
- Data evaluation process used to determine best site based upon:
  - Similarity of concentrations
  - Source representation
  - Population represented
  - Future planned use of area
  - Availability of monitor site

# Recent Activity

- Draft analysis provided to EPA late June
- Comments received from EPA
  - Generally found analysis to be complete
  - EPA review identified Hidden Valley as approvable site
  - Focus on data comparability
  - Verbal approval to move forward

# Data Summary

## PM10

PM10	CWTN	Hidden Valley	White & Parker
# Exceedances	35	15	8
Annual Average	73.9	58.5	58.4
Max Value	540.8	278.2	364.4

Site	Design Concentration	Expected Exceedance
Cowtown	357	35.5
Hidden Valley	278.2	17.7
White & Parker	364.4	9.8

# Data Summary PM2.5

	CWTN	Hidden Valley	White & Parker
# Exceedances	1	3	1
Average ( $\mu\text{g}/\text{m}^3$ )	11.8	10.0	9.1
Max Value ( $\mu\text{g}/\text{m}^3$ )	48.7	48.7	50.9
98 <sup>th</sup> Percentile	28.5	30.6	24.9

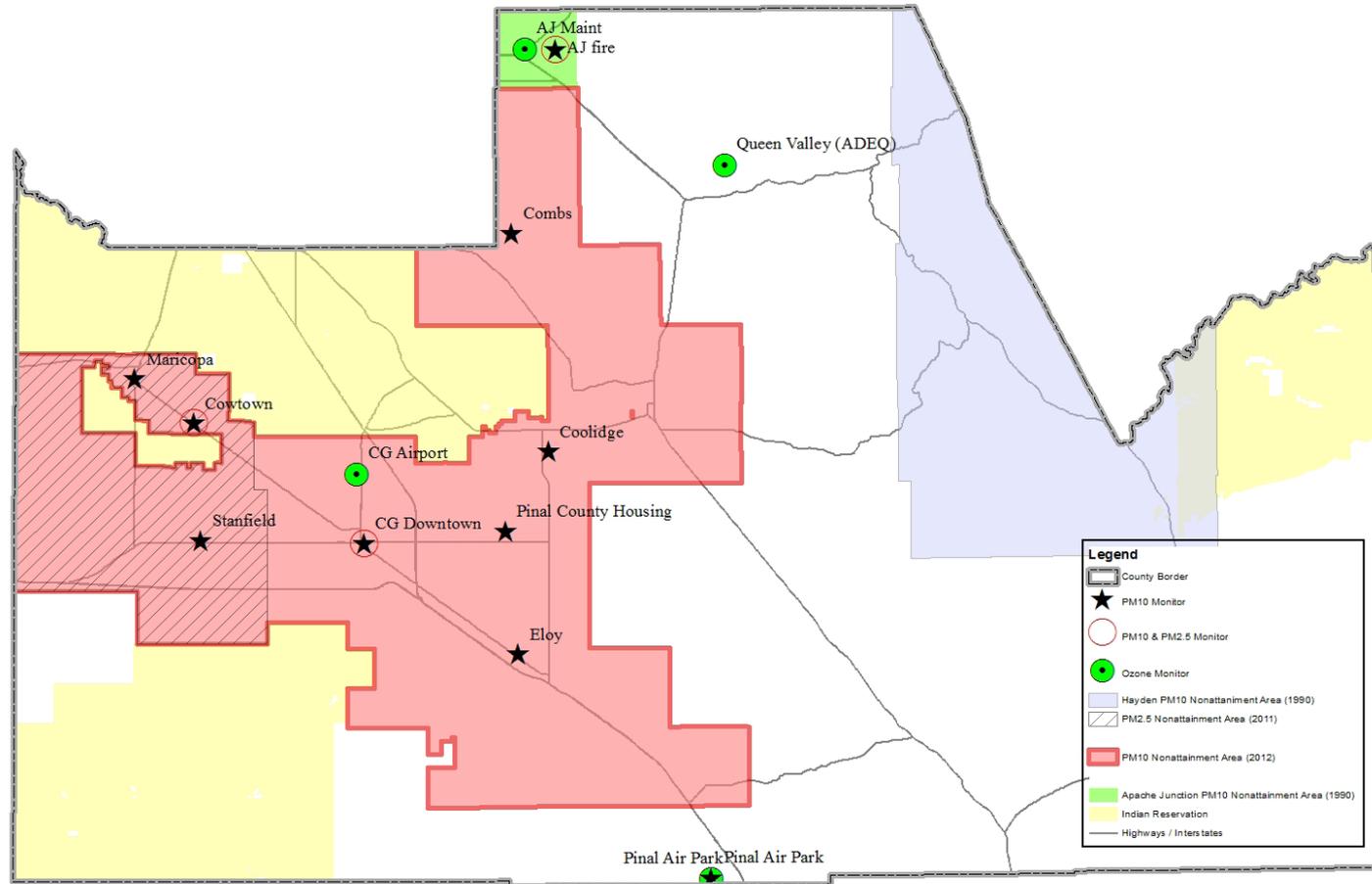
# Next Steps

- A request letter and Final Analysis submitted to EPA on August 19<sup>th</sup>.
- A formal response will be provided
- Site development work at Hidden Valley in progress

# Pinal PM10 Non-Attainment

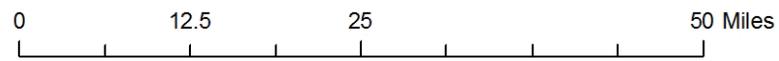
- SIP development ongoing
  - ADEQ is the lead agency in SIP development (statutory)
  - Components include:
    - Inventory(2008 &2018)
    - Modeling (Source Apportionment)
    - RACM Analysis (Review of possible controls)
    - Control Evaluation (what is needed to show attainment)
    - Control measures (RACM)
    - Public Process

# 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



# Pinal PM10 Non-Attainment Timeline

- Draft SIP complete September
- ADEQ public hearing October
- Submit to EPA late October/Early November
- Local rules must be in effect by January 1 2016

# Proposed Control Measures

- Fugitive Dust (Pinal County Rule)
  - Open areas, vacant lots, unpaved roads, paved roads
  - Proposed rule available for public comment August 28, 2015
- Construction Activity (Pinal County Rule)
  - Enhance current rule; stabilization requirements
  - Proposed rule available for public comment August 28, 2015
- Agricultural Operations (AgBMP's – ADEQ Rule)
  - Open Field Ag, Feed operations, Dairy operations, Irrigation Districts

# Future Topics

- Board Work Session
  - Fugitive Dust & Construction Dust Rules
- Industrial Permitting Rules (NSR/PSD)
- General Operating Permits (Fuel & Spray Paint)
- 8-Hour Ozone Designation

# Contact Information

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