

# Air Quality Update

Pinal County Air Quality

Mike Sundblom

November 12, 2014

# Cowtown PM2.5

- PM2.5 NAAQS:
  - Level is  $35\mu\text{g}/\text{m}^3$
  - Form is 3 year average of the 98 percentile
    - With every 3<sup>rd</sup> day sampling 98% is 3<sup>rd</sup> highest value
  - Average for 2011-2013 was  $32.4\mu\text{g}/\text{m}^3$
  - Average for 2012-2014(May) was  $35.7\mu\text{g}/\text{m}^3$  which is above the NAAQS

# Cowtown PM2.5

## Ramifications:

- Could reverse the EPA Clean Data Finding
- ADEQ/Pinal would be required to complete a full SIP

## Remedy:

- More frequent sampling for 2014 – 1 per day started August 1, 2014

## Status

- As of September, measured values remained below critical level

# Apache Junction PM10

- PM10 Monitoring in AJ since ~1988 (every 6<sup>th</sup> days sampling)
- TS1N R8E is included in the Phoenix PM10 Serious non-attainment area
- No exceedance of the NAAQS until July 2011
- EPA concurred on an exceptional event package submitted by ADEQ, including AJ
- ADEQ request that we operate a continuous (daily) PM10 monitor at the site – they will supply equipment
  - Continuous monitor will help justification for future exceptional events
  - Will avoid jeopardizing recent clean data finding for the Phoenix PM10 area
- Direction?

# Department Activity and Stats

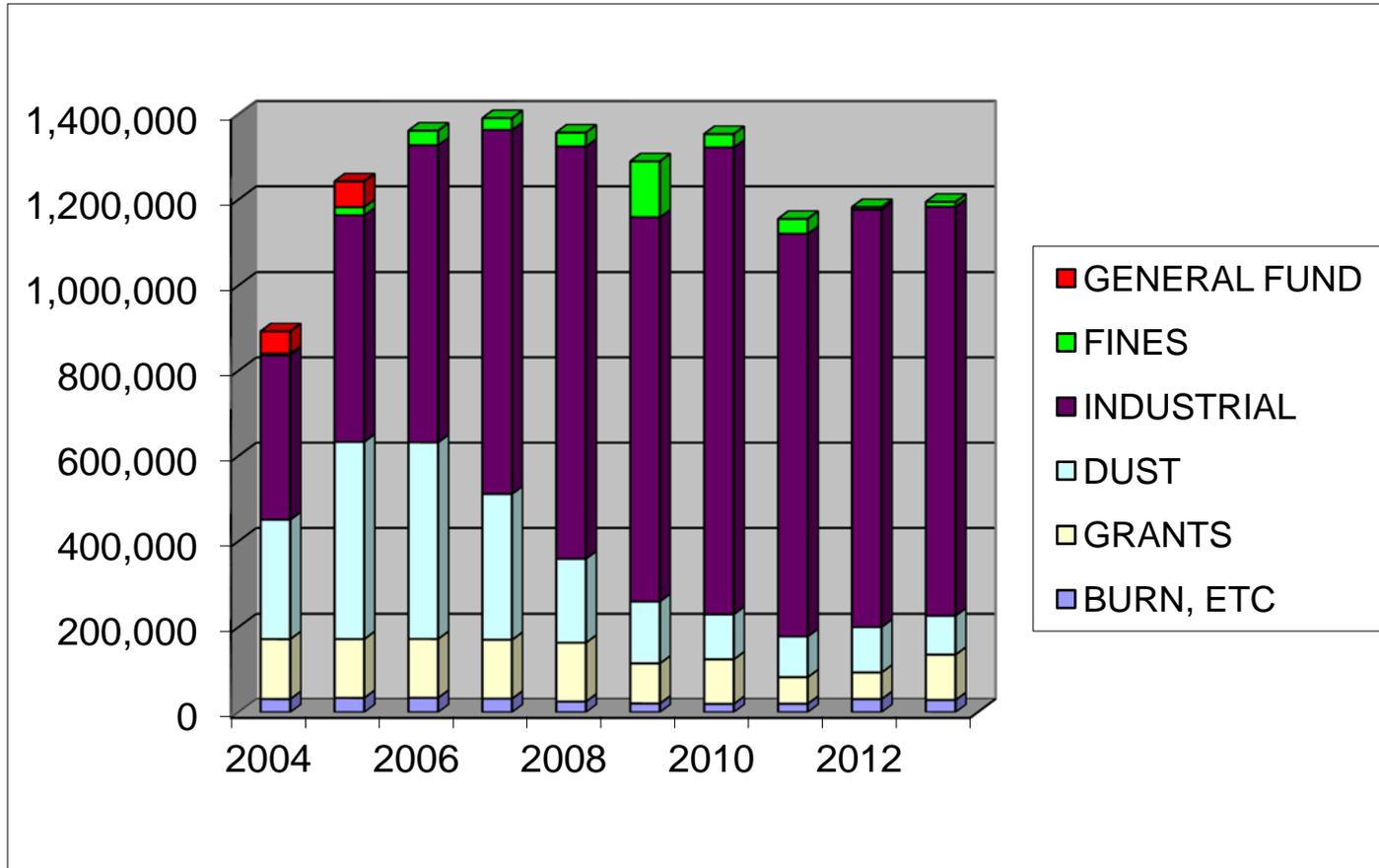
- Hearing Board Definition rule revised by Board action in July sent to EPA
- Plan to bring a permitting threshold rule to the Board in early 2015. Needed to conform to changes in state rules
- Studying “general” permits for several source categories
- Longer term major source rule revision 2015-16
- Currently reviewing permit fees (industrial, dust, open burning)

# Department Activity and Stats

Permits, Complaints, and Inspections....

Type	In 2013	2014 (October 28)
Dust Permits	400	320
Open Burning Permits	2060	1430
Industrial Permits	16 new	391 Permits; 12 new
Complaints Received/Responded	258	217
Inspections Conducted	620	687

**AIR QUALITY REVENUE SUMMARY  
BY CALENDAR YEAR  
CURRENT AS OF DECEMBER 31, 2013**



# Cowtown Monitor Relocation

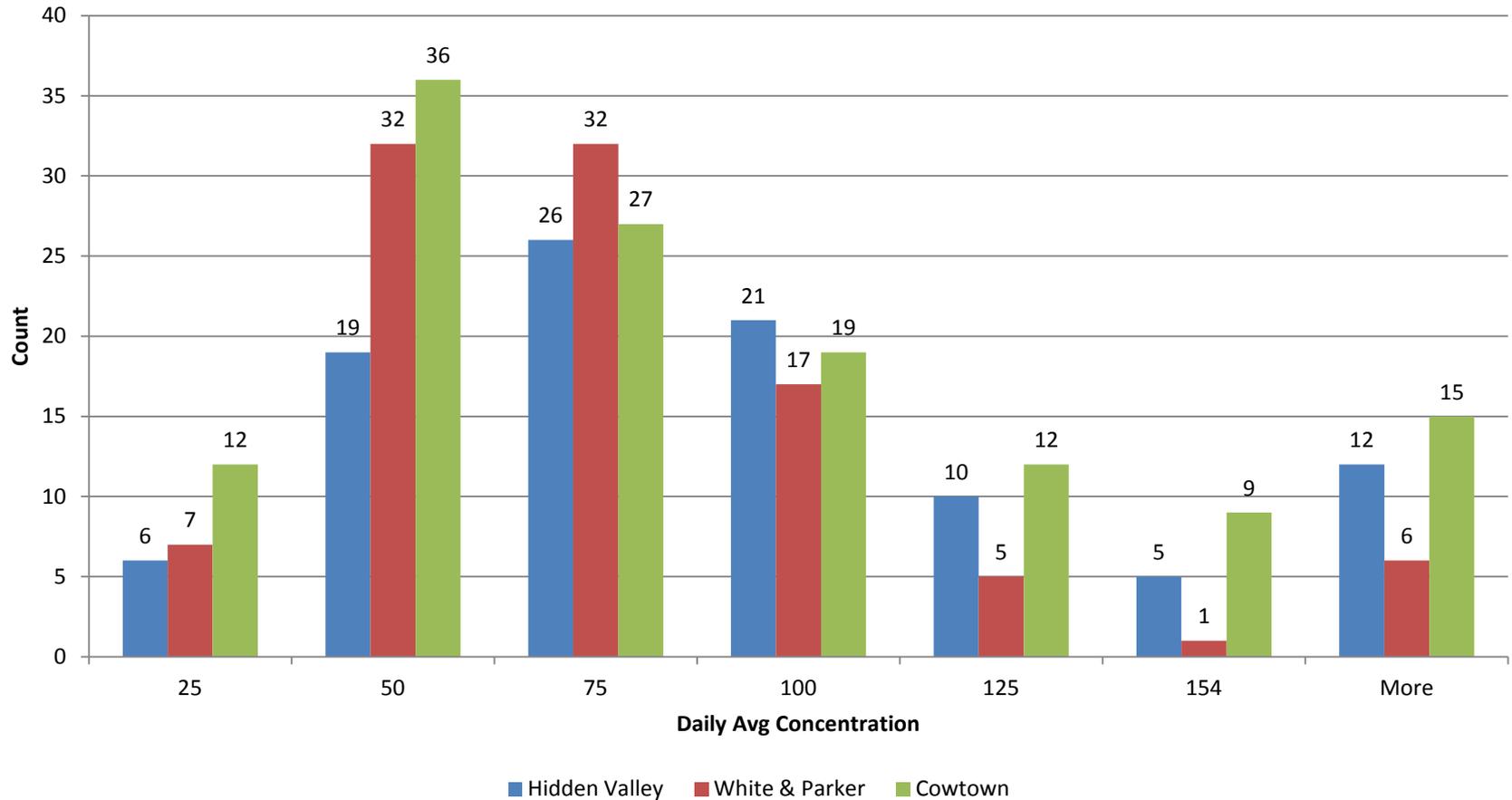
- Data collection began June 13, 2014
- Sites include:
  - White & Parker (PM10 and Pm2.5)
  - Hidden Valley (PM10 and PM2.5)
  - Matching equipment at Cowtown

# Recent Activity

- Solar power can be challenging...
- Regular instrument checks and maintenance
- Periodic data review
- Monthly conference call with EPA
- Developing an evaluation procedure
- Finalize the measurement process - July 2015

# Data Summary

## 3 Site PM10 Comparison (Histogram) 6/13/2014 thru 10/26/2014



# Discussion

- EPA guidance suggested “Similar Site”
- To date, the data indicate both site are similar
- Data evaluation process will determine best site based upon:
  - Similarity of concentrations
  - Source representation
  - Population represented
  - Future planned use of area
  - Availability of monitor site

# Questions ?

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