

Maricopa County Air Quality Department Air Monitoring Division 2014 Network Plan



WALK MORE USE CFLS MORE CARPOOL MORE BIKE MORE RAKE MORE TELECOMMUTE MORE DRIVE HYBRIDS MORE CONSOLIDATE ERRANDS MORE RIDE PUBLIC TRANSPORTATION
MORE USE ENERGY EFFICIENT APPLIANCES MORE CARRY REUSABLE TOTE BAGS MORE CONSIDER SOLAR MORE RUN COLD WATER CYCLES MORE USE REUSABLE CONTAINERS
MORE CONSERVE ELECTRICITY MORE REDUCE WOODBURNING MORE RECYCLE MORE REFUEL AFTER DARK MORE RIDE THE BUS MORE RIDE THE LIGHT RAIL MORE USE CFLS MORE

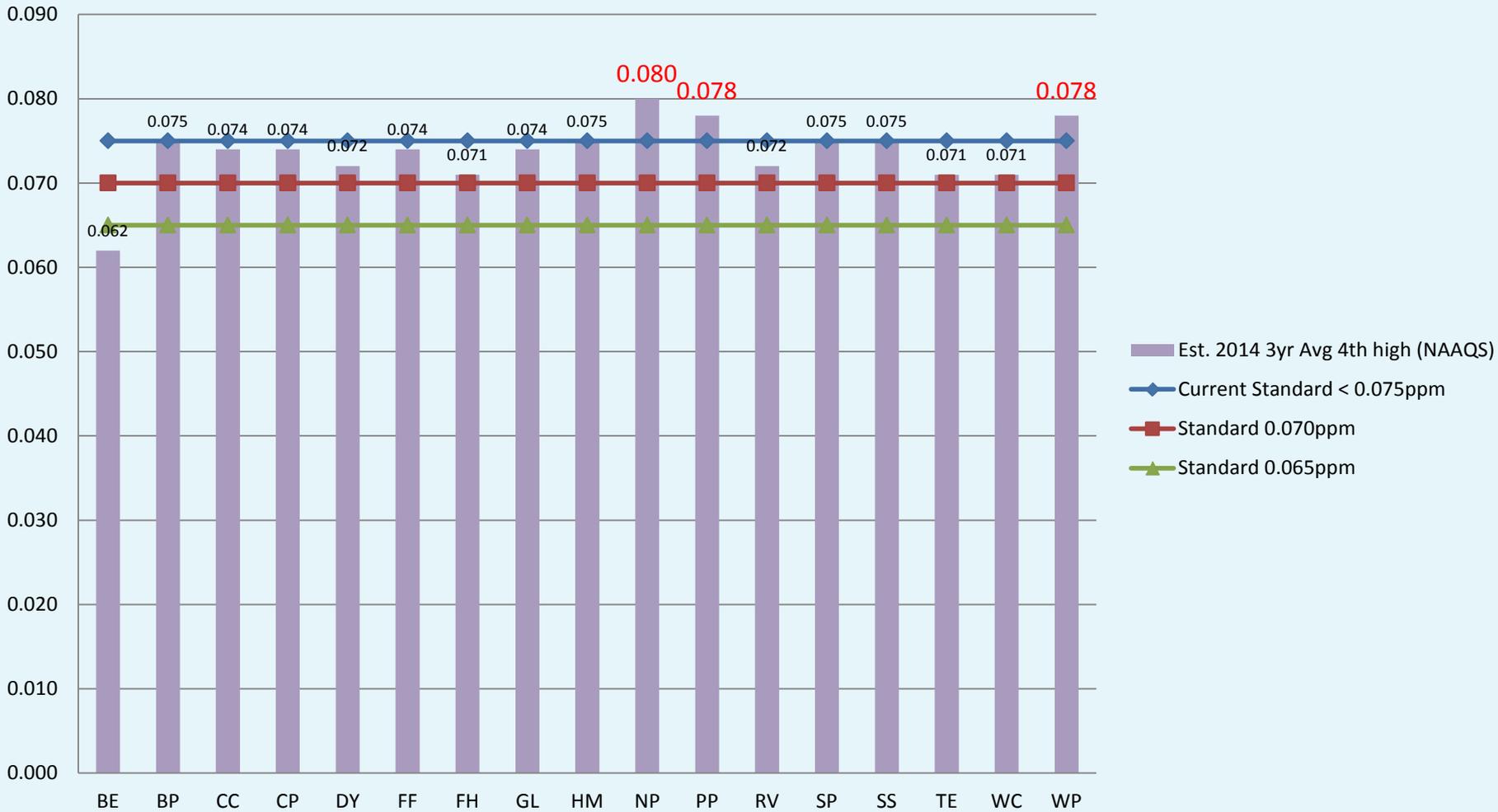
Agenda

- 2014 Data Summary
- Network Changes
 - Near-Road Monitoring
 - Site Construction
- Emergency & Mobile Monitoring
- Assisting Compliance
- Questions



2014 Ozone Violations

2014 Violation of Ozone NAAQS
as of 12/31/14



2014 PM₁₀ Violations



Site	2012		2013		2014		Rate of Expected Exceedances*
	24-hr Max. (µg/m ³)	Expected Exceedances*	24-hr Max. (µg/m ³)	Expected Exceedances*	24-hr Max. (µg/m ³)	Expected Exceedances*	
Buckeye	205‡	1.00	298‡	0	175	1.00	0.666
Central Phoenix	340‡	0	328‡	0	135	0	0
Durango Complex	221‡	0	303‡	0	107	0	0
Dysart	167‡	0	147	0	90	0	0
Glendale	337‡	0	210‡	0	86	0	0
Greenwood	323‡	0	273‡	0	125	0	0
Higley	224‡	1.00	211‡	0	137	0	0.333
Mesa	64#	0	151	0	101	0	0
North Phoenix	178‡	0	153	0	107	0	0
South Phoenix	342‡	0	294‡	0	109	0	0
South Scottsdale	102	0	195‡	0	98	0	0
Tempe	169‡	0	227‡	0	88	0	0
West Chandler	402	2.00	234‡	0	146	0	0.666
West 43rd Avenue	254‡	2.00	301‡	0	121	0	0.666
West Phoenix	189‡	1.00	255‡	0	148	0	0.333
Zuni Hills	285‡	0	165‡	0	86	0	0

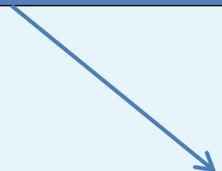
* Calculated minus the EE data with EPA concurrence
Indicates <75% data available, i.e., does not meet data completeness requirements
‡ Indicates value was flagged as an EE

Does not include exceptional events

2014 PM_{2.5} Violations

Site Name	2012 24-hr 98 th Percentile (µg/m ³)	2013 24-hr 98 th Percentile (µg/m ³)	2014 24-hr 98 th Percentile (µg/m ³)	2014 24-hr 98 th Percentile 3-Year Average
Diablo	Not operating	Not operating	21.4#	#
Durango Complex	24.9	27.2	24.1	25.4
Glendale	18.6	16.6	18.6	17.9
Mesa	10.4	12.8	19.4	14.2
North Phoenix	21.2	17.2	20.3	19.6
South Phoenix	20.9	25.8	26.5	24.4
Tempe	19.5*	17.9	17.4	18.2
West Phoenix	23.6*	29.0*	28.9	#

No Violations of both PM-2.5 NAAQS



	2012 Annual Avg. (µg/m ³)	2013 Annual Avg. (µg/m ³)	2014 Annual Avg. (µg/m ³)	2014 Annual Standard 3-year Avg. (µg/m ³)
Diablo	Not operating	Not operating	9.71*	NA
Durango Complex	11.57	10.54	10.12	10.74
Glendale	8.74	7.52	7.73	7.99
Mesa	5.84*	5.69	8.28	NA
North Phoenix	9.26	8	8.02	8.42
South Phoenix	9.24	9.59	10.27	9.7
Tempe	9.27*	8.69	8.63	8.86*
West Phoenix	10.42*	10.57*	11.13	10.7*

* data did not meet completeness

CLEAN AIR
MAKE
MORE

WALK MORE USE CFLS MORE
ERRANDS MORE RIDE PUBLIC
MORE CONSIDER SOLAR MORE
REDUCE WOODBURNING MORE
MORE RIDE THE BUS MORE

Network Changes

New Sites

DRIVE HYBRIDS MORE CONSOLIDATE
TOTE BAGS MORE REUSABLE TOTE BAGS
CONSERVE ELECTRICITY MORE
REFUEL AFTER DARK
BIKE MORE RAKE MORE



Near-Road 1 “Diablo site”

Near-Road 2 “Thirty-Third site”



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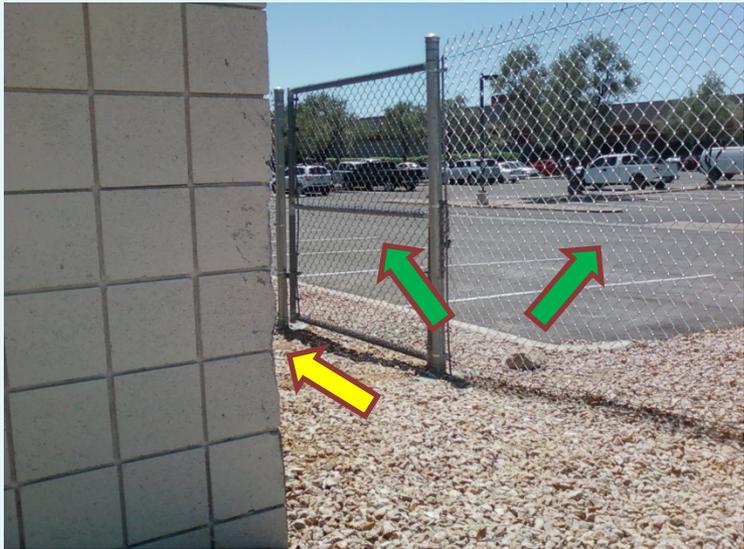
Network Changes

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Very Near-Road Monitoring Site



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Network Changes

New Sites

Thirty-Third Site. How did you install the shelter?



Maricopa County
Air Quality Department

Site Construction

Fountain Hills Site – Remodel Complete



Higley Site – Moving to Elementary School



Tempe Site - Under Construction



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Emergency & Mobile Monitoring

REUSE MORE CONSOLIDATE
REUSABLE TOTE BAGS
CONSERVE ELECTRICITY MORE
REFUEL AFTER DARK
RIKE MORE RAKE MORE

West Valley Mulch Fire



Super Bowl



Assisting Tribal Communities



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Assisting Compliance

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Inspections

Odor Complaints



Ben Davis
Air Monitoring Manager
602-258-5155 #221

**CLEAN AIR
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Maricopa County
Air Quality Department

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