



# Air Quality Status

Philip McNeely, Director

# 2019 PM<sub>2.5</sub> NAAQS Status

## Annual Standard (Design Value)

- Standard is based upon a 3-year average of the annual average.
- Standard = 12 µg/m<sup>3</sup>

3-Year Design Value (µg/m <sup>3</sup> )	Durango Complex	West Phx	South Phx	Diablo	North Phx	Mesa	Glendale	Tempe
2019	9.6	9.2	8.6	7.9	7.1	6.9	6.8	6.7
2018	9.4	9.9	8.9	7.1	8.2	6.9	7.4	7.0
2017	9.6	9.0	8.8	7.9	6.9	7.2	6.8	*

\*Tempe did not meet data completeness requirements in 2015.

Note: 2019 data are preliminary and subject to change

# 2019 PM<sub>2.5</sub> NAAQS Status

## 24-Hour Standard (Design Value)

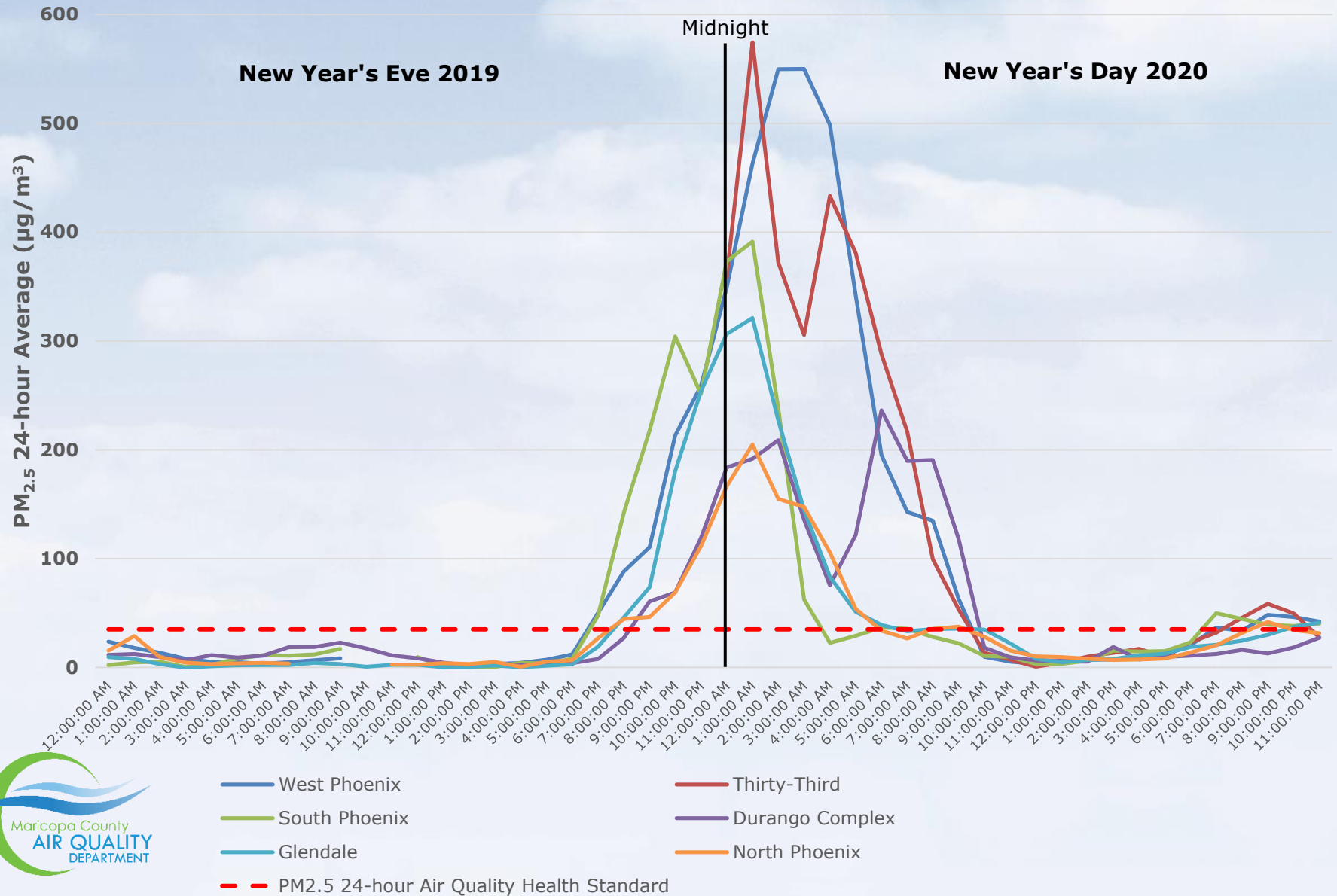
- Standard is based upon a 3-year average of the 98<sup>th</sup> Percentile.
- Standard = 35 µg/m<sup>3</sup>

3-Year Design Value (µg/m <sup>3</sup> )	West Phx	Durango Complex	South Phx	Diablo	Glendale	North Phx	Mesa	Tempe
2019	28	26	25	19	17	17	16	15
2018	28	26	25	20	18	18	17	16
2017	27	27	25	18	18	18	17	*

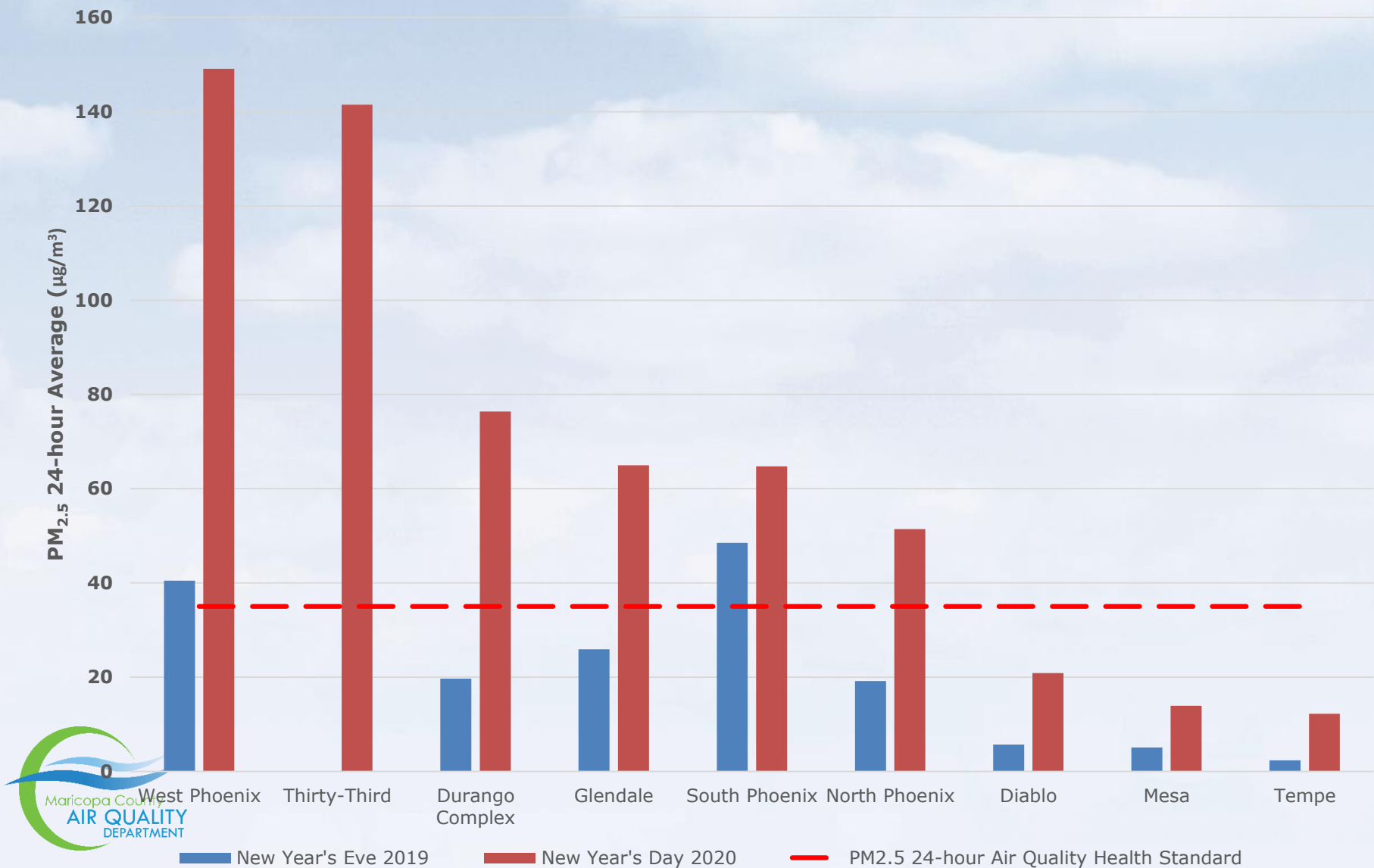
\*Tempe did not meet data completeness requirements in 2015.

Note: 2019 data are preliminary and subject to change

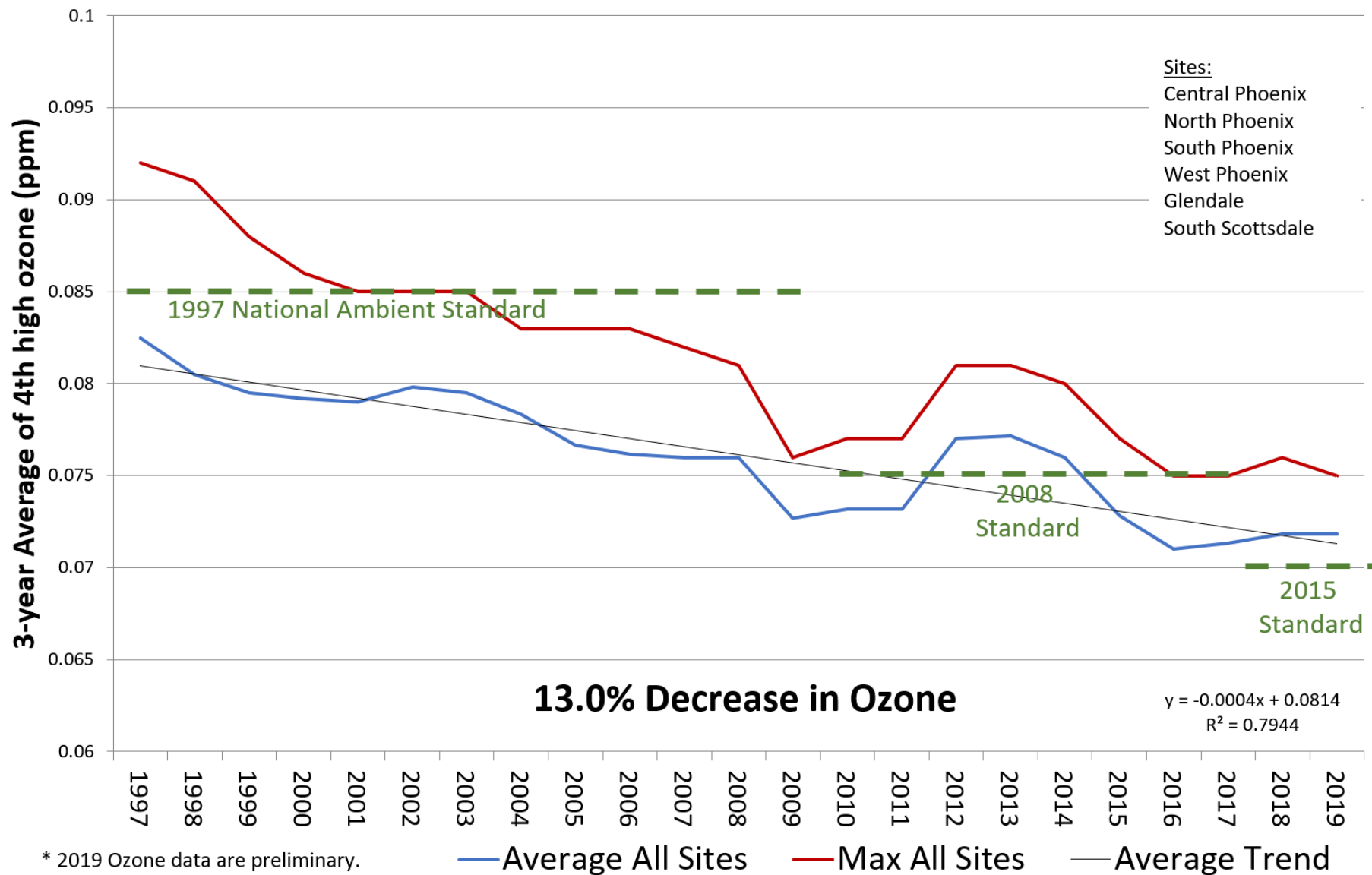
## Hourly PM<sub>2.5</sub> During the 2020 New Year's Holiday



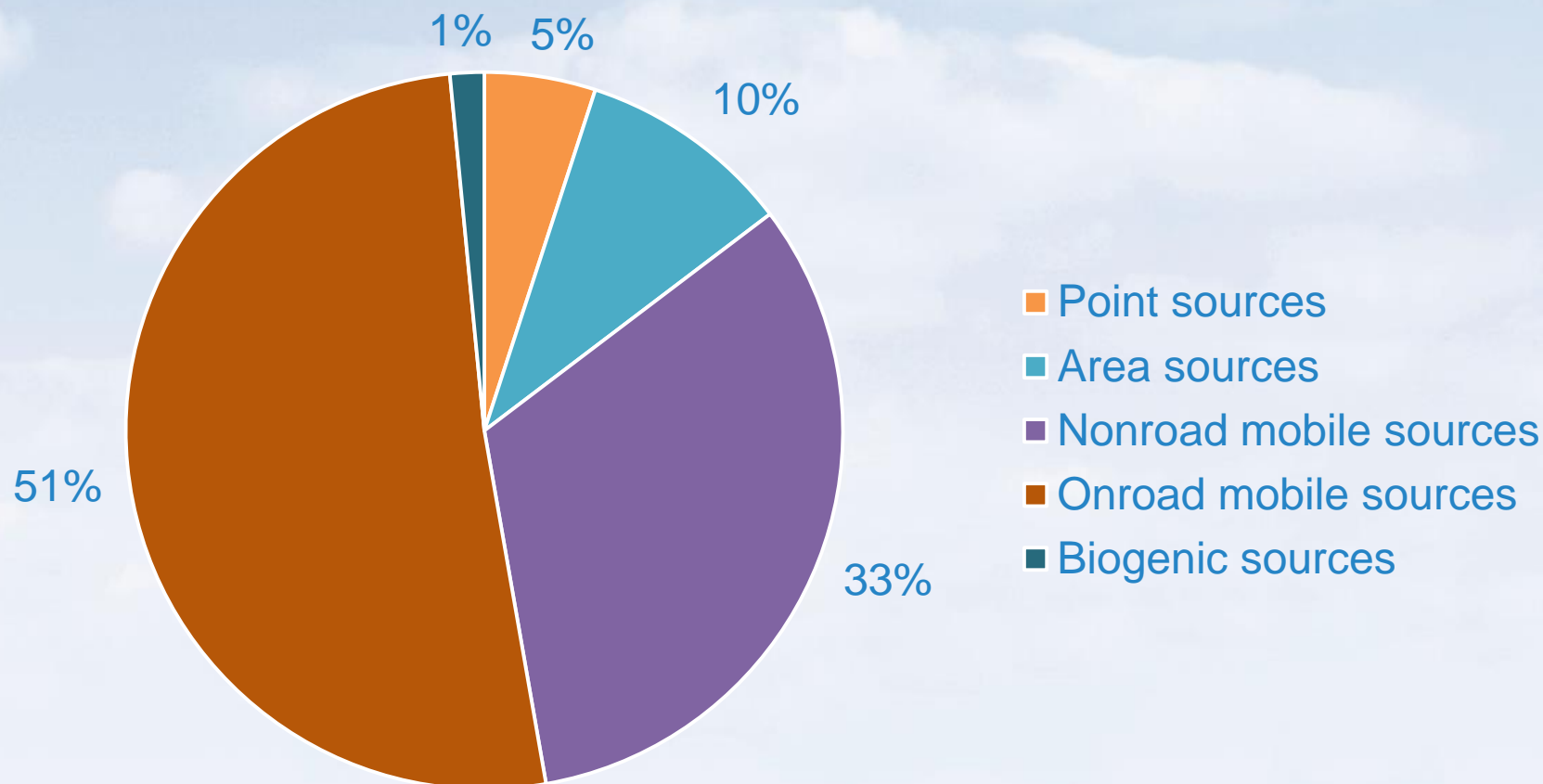
# PM<sub>2.5</sub> 24-hour Average Concentrations During the 2020 New Year's Holiday



# Areawide Average Ozone Trend in Maricopa County for the Six Longest-Running Monitoring Sites: 1997-2019



# Maricopa County 2017 NO<sub>x</sub> Emissions



Data from the draft 2017 Maricopa County Periodic Emission Inventory for Ozone Precursors



# Ozone Campaign – Commit to One Day

## COMMIT TO ONE DAY HELP KEEP OZONE AWAY!

By making easy changes to daily activities at least one day a week such as reducing driving, taking light rail or the bus, refueling after dark or riding a bike to work, Maricopa County residents and businesses can have a great impact on reducing ozone concentrations and helping keep our air clean.



CleanAirMakeMore.com



Ozone pollution is a concern in the warmer months of April through September. A small commitment at least one day a week helps reduce ground-level ozone pollution and helps us all breathe easier.



### BIKE

Ride your bicycle to places you would normally drive your car. Get some fresh air and save some gas while reducing air pollution.



### RIDE PUBLIC TRANSIT

Utilize alternate modes of transportation. Consider taking the light rail, bus or vanpool.



### CARPOOL

Carpool to as many locations as possible. Riding together decreases the amount of emissions in the air.



### WALK

Reducing air pollution can be as easy as walking to nearby locations. Instead of driving, increase the number of steps on your pedometer and improve your health.



### AVOID IDLING

Avoid the drive-thru and go inside to order your food, coffee or prescriptions. You won't have to wait in a long drive-thru line and you will reduce exhaust emissions.



### FUEL AFTER DARK

Hot temperatures and gasoline fumes create ground-level ozone. Reduce the effect and refuel your vehicle at night time.



### SWEEP IT UP

Sweep your driveway, patio, deck, etc. Instead of using a leaf blower. Get some exercise and breathe in fresh air while you burn a few calories.



Download the Clean Air Make More app for iPhone, iPad, and Android!





# **Thank you.**

## **Contact Information**

**Philip McNeely**

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**(602) 506-6701**



PIMA COUNTY

ENVIRONMENTAL QUALITY

**Pima County**

# **Department of Environmental Quality**

16th Annual EPAZ Conference  
Wednesday, March 4, 2020

Richard Grimaldi  
Deputy Director

March 7, 2020

# Overview



Ozone Attainment

Rulemaking

Questions

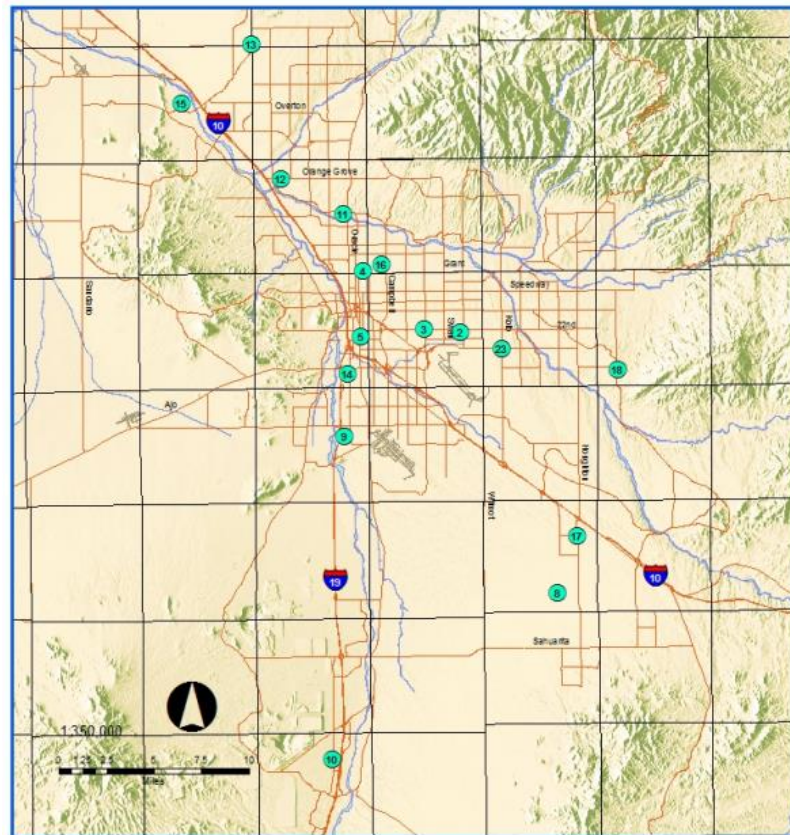
# Who monitors ozone in Pima County?

Pima County Department of Environmental Quality is the Air Quality Control District for all of Pima County

PDEQ monitors for all EPA criteria pollutants

Ozone is monitored at 8 different sites in eastern Pima County – east side monitor often the highest

Real-time data available at [www.pima.gov/deq](http://www.pima.gov/deq)



## Pima County Monitoring Sites

- 2 - 22nd / Craycroft
- 3 - 22nd / Alvernon
- 4 - Geronimo
- 5 - South Tucson
- 8 - Corona de Tucson
- 9 - Santa Clara
- 10 - Green Valley
- 11 - Children's Park NCore
- 12 - Orange Grove
- 13 - Tangerine
- 14 - Rose Elementary
- 15 - Coachline
- 16 - Cherry / Glenn
- 17 - Fairgrounds
- 18 - Saguaro National Park East
- 23 - Golf Links / Kolb

-  PDEQ Monitoring Sites
-  Major Streets
-  Washes

Revised: March 2017

Comments  
All information is provided as is, with all faults, and without warranty of any kind, expressed or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose.

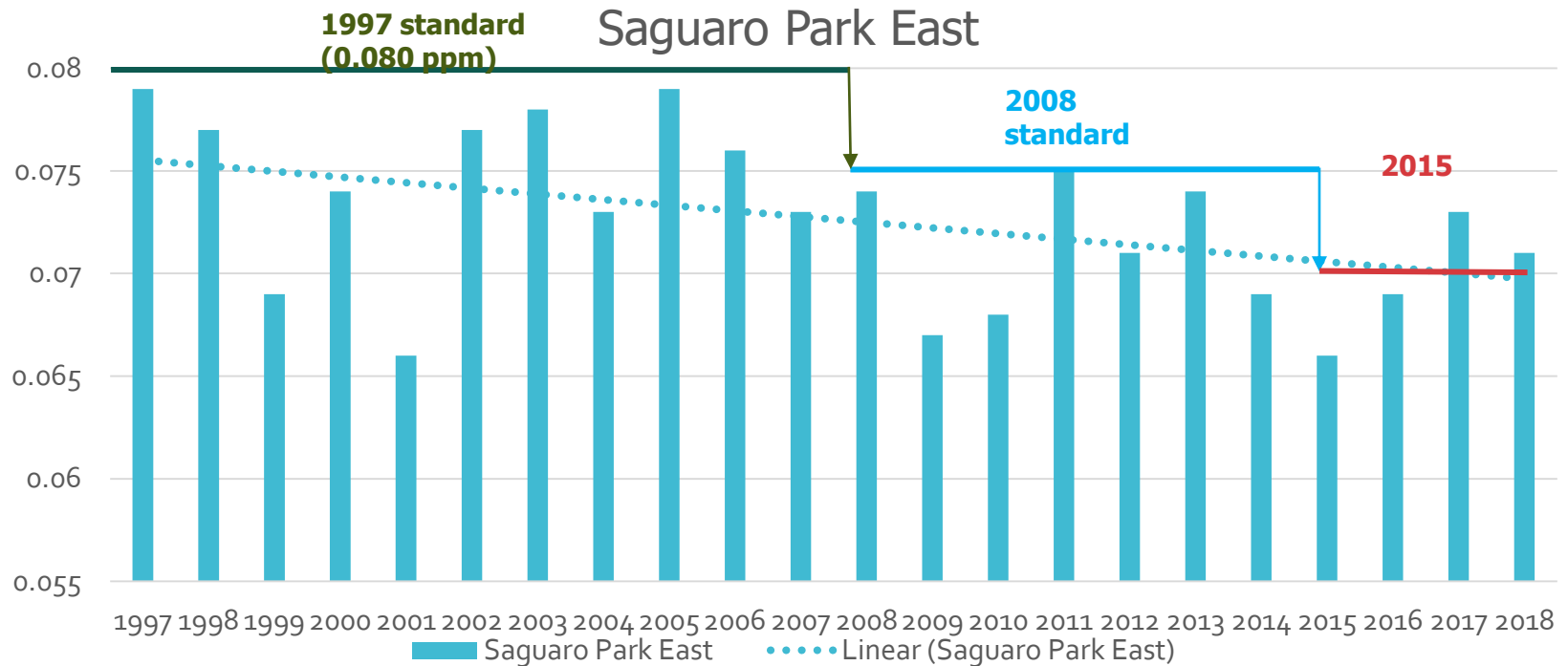


Prepared By  
Pima County Department  
of  
Environmental Quality



# Historic Ground-Level Ozone at Saguaro Park East

(three-year average of the 4<sup>th</sup> highest 8-hour average in ppm= compliance determination)



# New Source Review and Registration Permit



- \* Proposed for Summer 2021
- \* Adopt Similar Program to ADEQ for
  - \* New Source Review (NSR)
  - \* Registration Program (Registration Permit – Class IV)
- \* Class IV permits will be for minor sources not subject to NSPS or NESHAP. These are source not currently permitted by PDEQ. With the lower permit (ADEQ registration thresholds), PDEQ is anticipating that approximately 200 new permitted sources will be added.

# Proposed Fee Packages

- \* Raise Class I fees to those of ADEQ
- \* Review and determine appropriate fee increases for select Class II and III individual and general permits (example - Crushing and Screening). Fees are to be “approximately equal” to ADEQ (ARS 49-112).  
"Approximately equal" means an amount that is not greater than ten per cent more than the fees or costs charged by ADEQ (ARS 49-101).
- \* Develop new fees for Class IV (Registration Permits)





# Contact

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(520) 724-7363

WebPage

[http://webcms.pima.gov/government/environmental\\_quality/](http://webcms.pima.gov/government/environmental_quality/)

# 16<sup>TH</sup> ANNUAL EPAZ CONFERENCE MARCH 4, 2020

Pinal County Air Quality Control  
Mike Sundblom, Director

# Pinal County Update

- ▣ Rulemaking
  - Municipal Solid Waste Landfill Plan
  - Emission Reporting Rule
  - RACT (Surface Coating & Fuel Distribution)
  - NSR
  - SIP Backlog
- ▣ Nonattainment
  - PM10 & PM2.5
  - Ozone (2015 NAAQS)
- ▣ Ongoing Projects
  - E-Permitting (Dust & Burn)
  - Electronic EI Reporting

# Contact Information

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(520)866-6915



# GILA RIVER INDIAN COMMUNITY DEPARTMENT OF ENVIRONMENTAL QUALITY

## Air Quality Program Update

Ryan Eberle, P.E.  
Air Program Manager

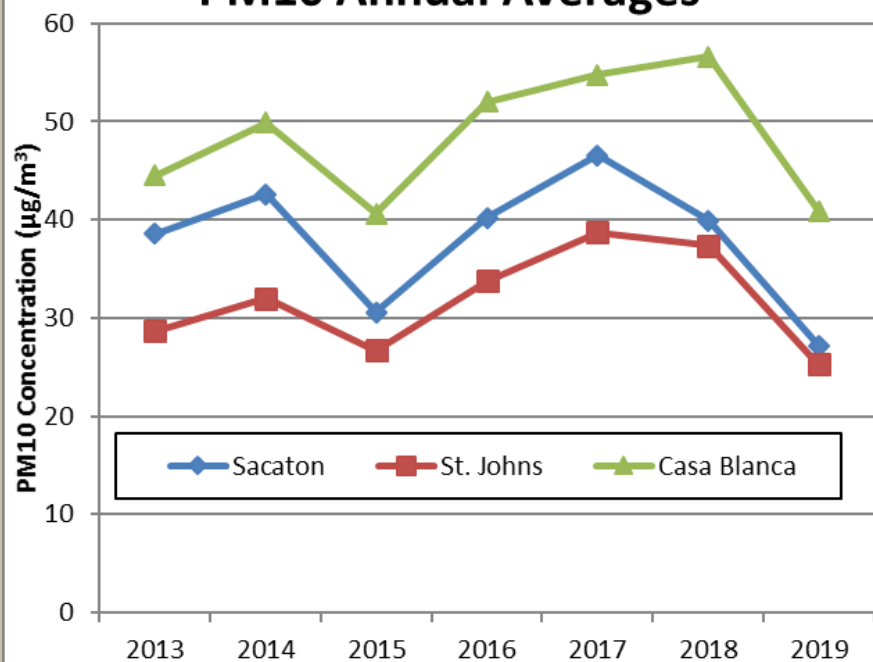


# SJ Monitor Move

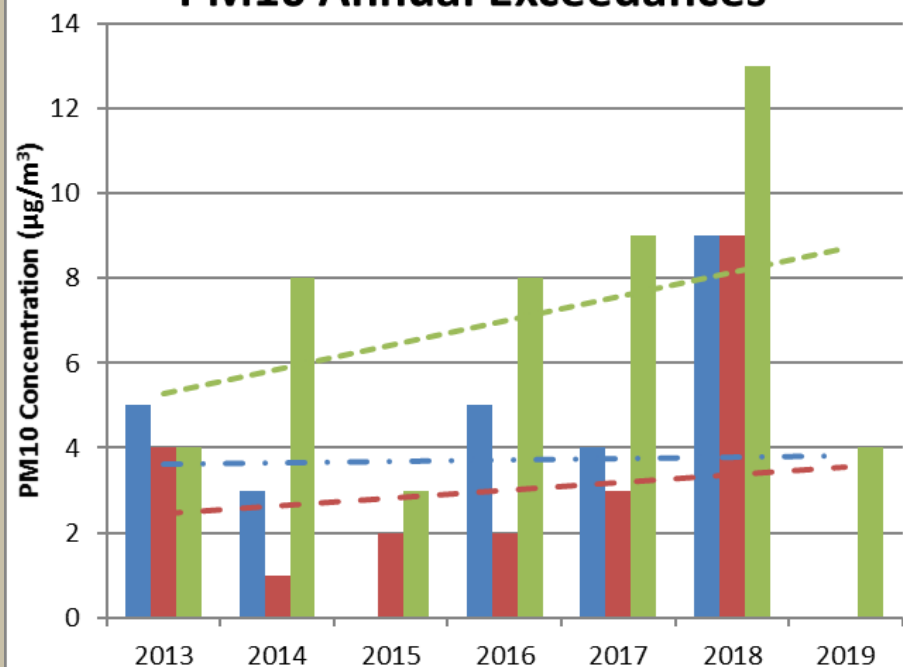


# PM10 Trends

## PM10 Annual Averages



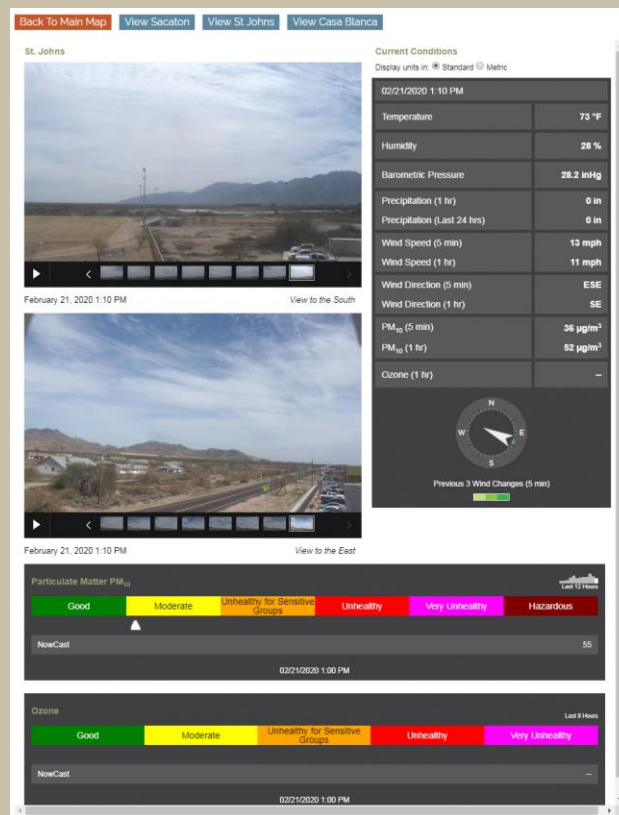
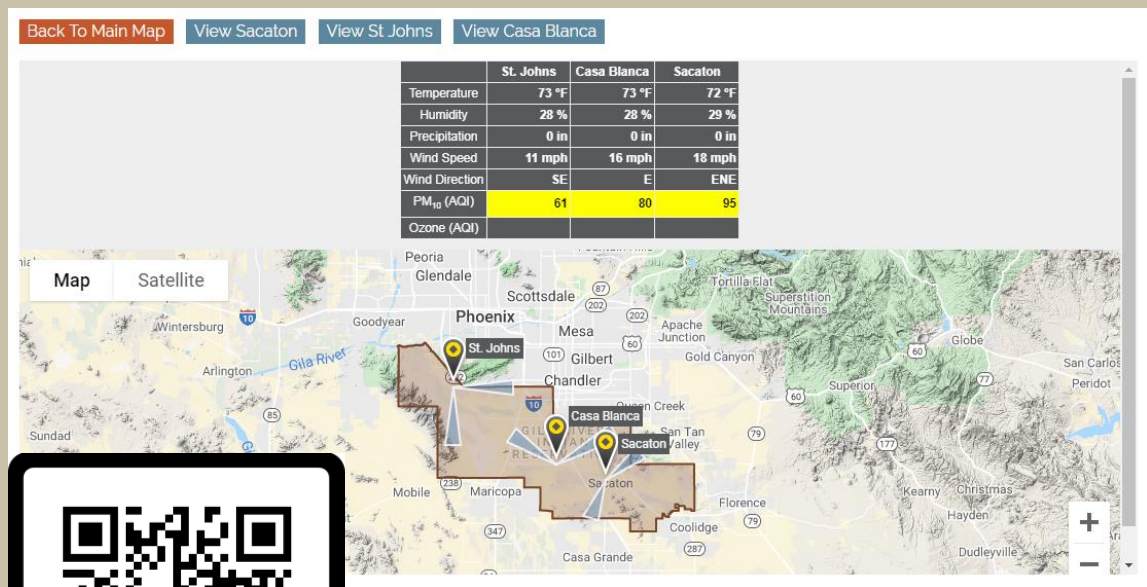
## PM10 Annual Exceedances







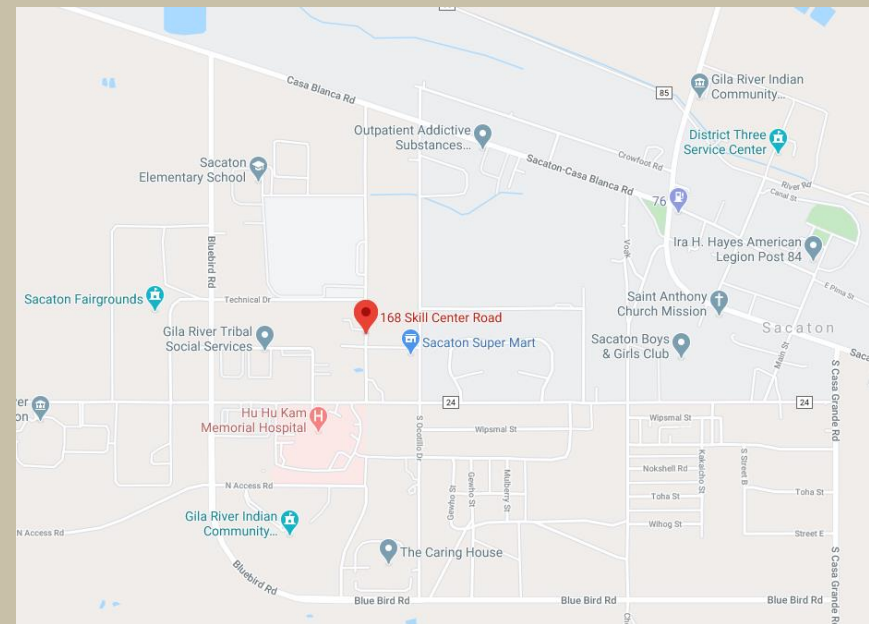
# Real-Time AQ Data





# GRIC DEQ Has Moved!

168 Skill Center Rd.  
Sacaton, AZ 85147





# Questions?

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Air Quality Program Manager

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