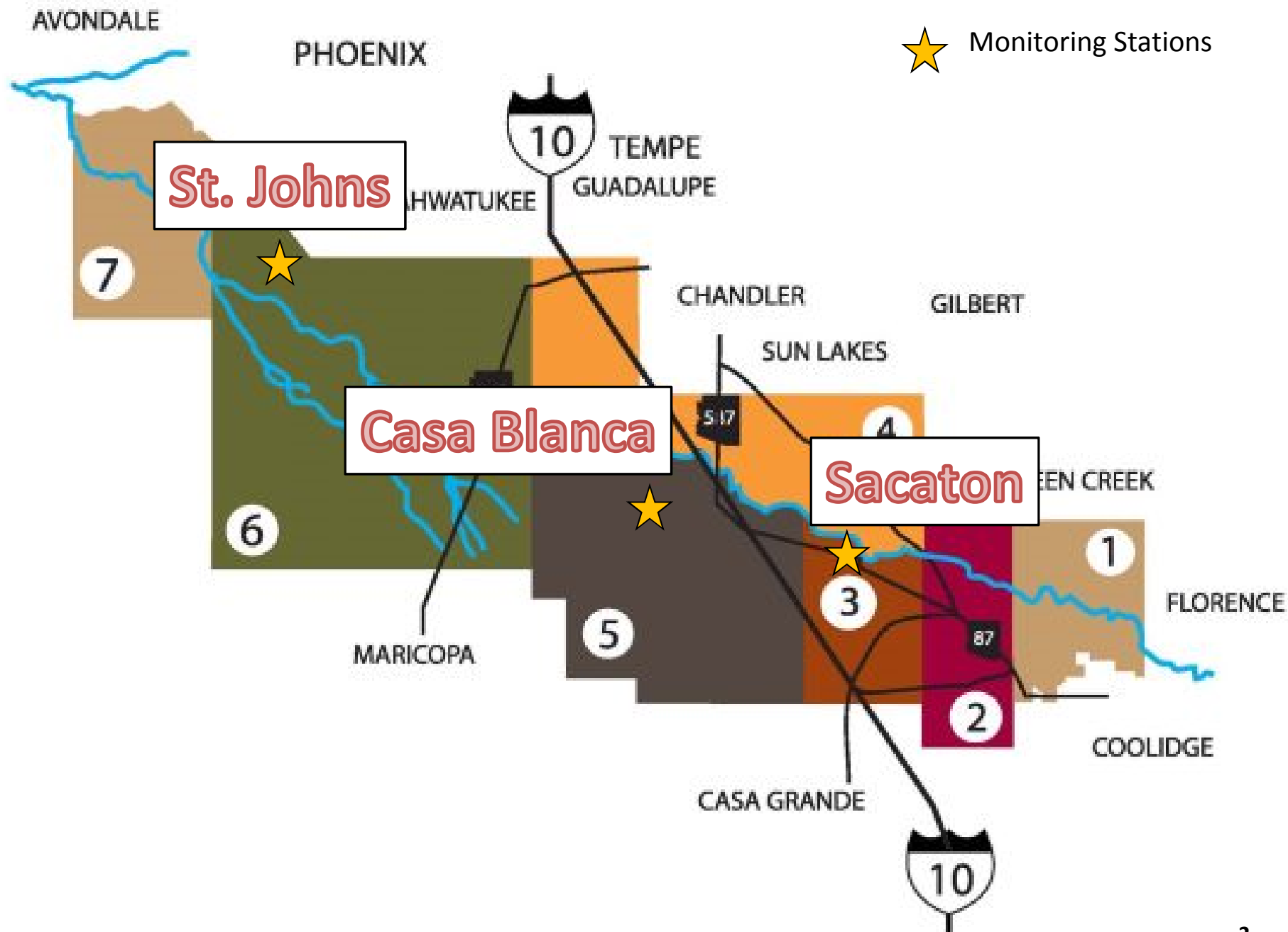




# GILA RIVER INDIAN COMMUNITY DEPARTMENT OF ENVIRONMENTAL QUALITY

## **2019 GRIC Air Monitoring Network Review**





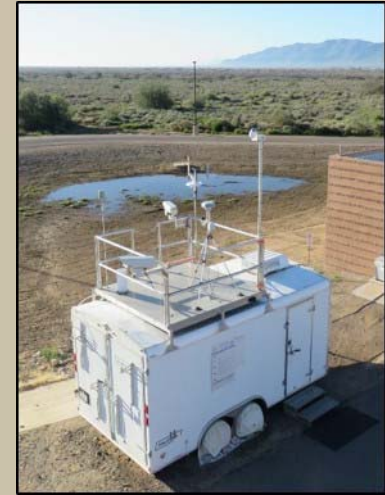
# Air Monitoring Network Plan

- **Requirement for Regulatory Monitoring**
- **Includes**
  - **Description of Air Monitoring Network (AMN)**
  - **Review of 2019 Performance/Data/Changes**
  - **Recommendations for 2020 network changes**
- **Requires 30-Day Public Comment Period**
- **Plan due to US EPA by July 1, 2020**



# 2019 Summary

- **Seasonal monitoring for ozone**
  - April – October
- **Temporarily Relocated St Johns Site**
  - July 2, 2018 to Aug 28, 2019
  - Due to Gila Crossing School Redevelopment
  - Relocated to GRHC Komatke Campus using Mobile Unit



Temp Mobile Unit



New SJ Site

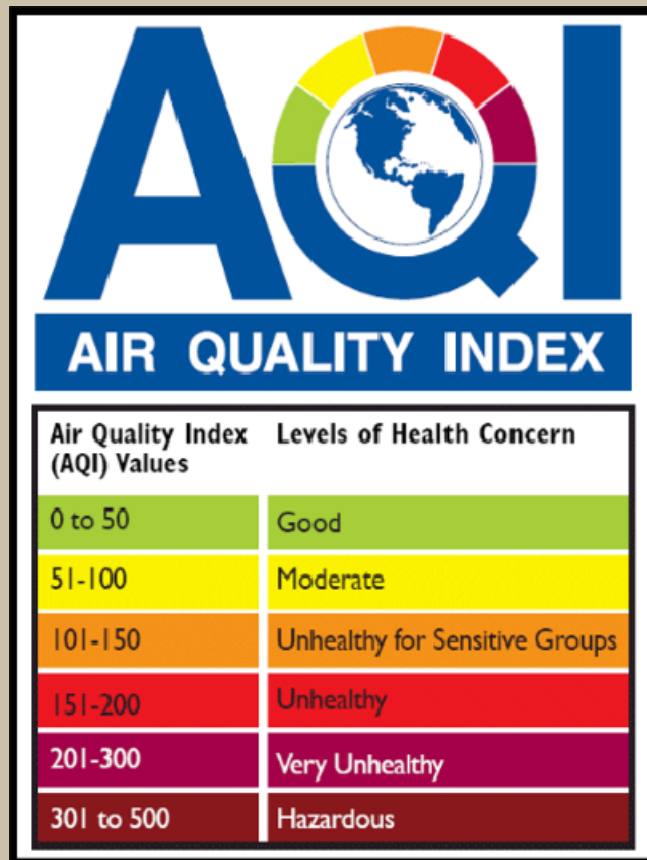


# 2020 Planned Changes

- **No significant changes in 2020**
- **Continue Seasonal Ozone Monitoring**
  - (April – October)



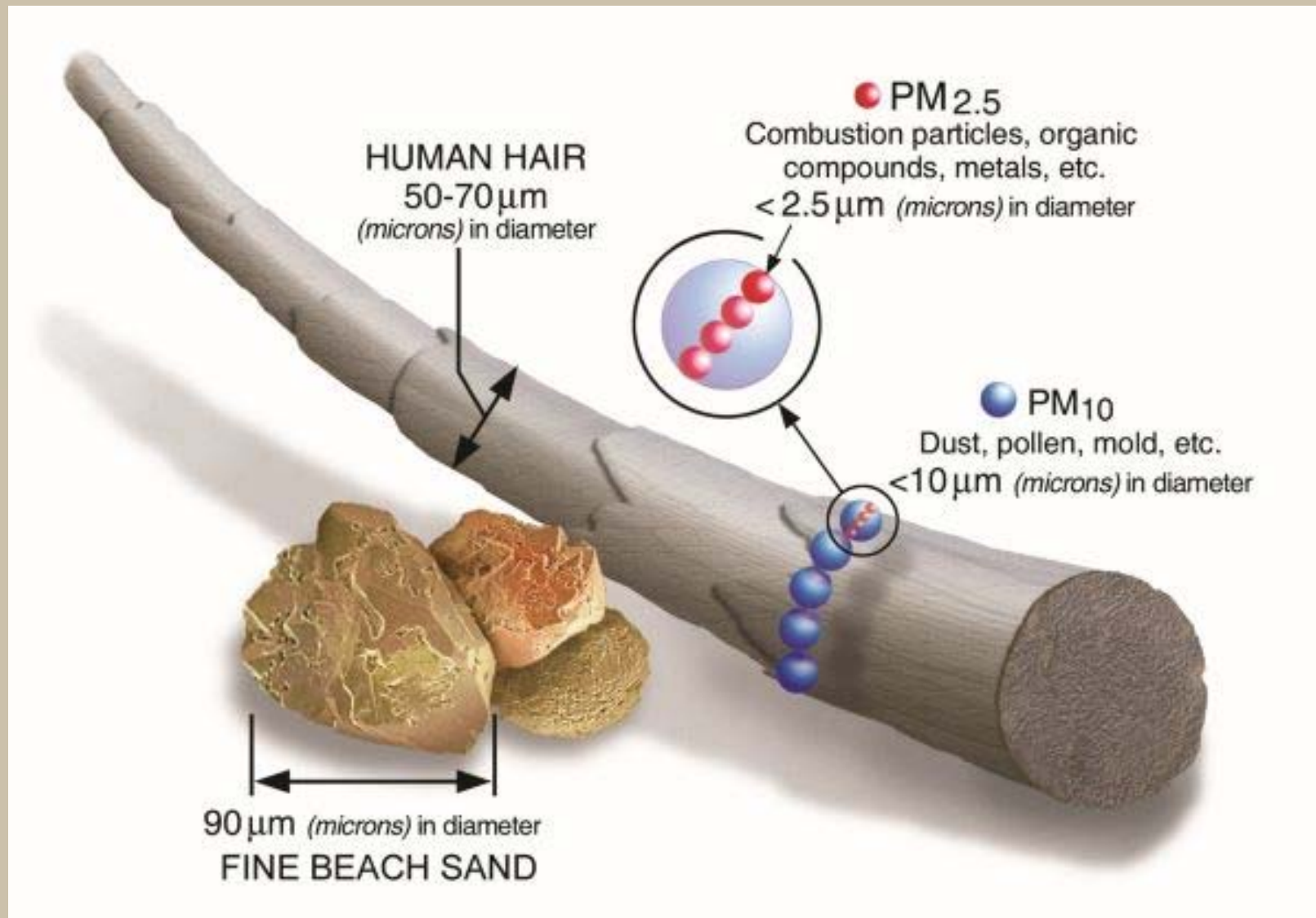
# The Air Quality Index (AQI)



**Note: Hazardous is extremely rare and not included in the Flag Program**

- Indicator of how clean (or polluted) the air is
- Colors associated with health affects/action steps
- Orange ~ Exceedance of National Ambient Air Quality Standard (NAAQS)

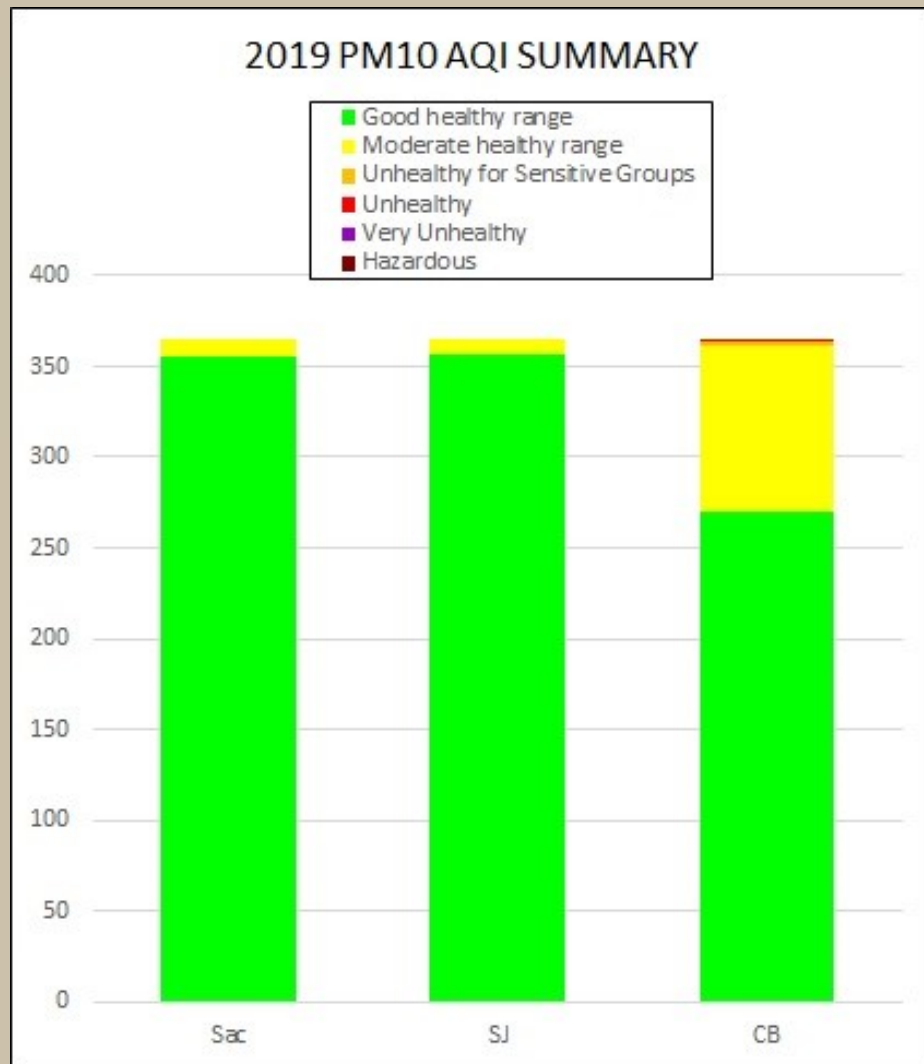
# What Is PM10?







# 2019 PM10 Results

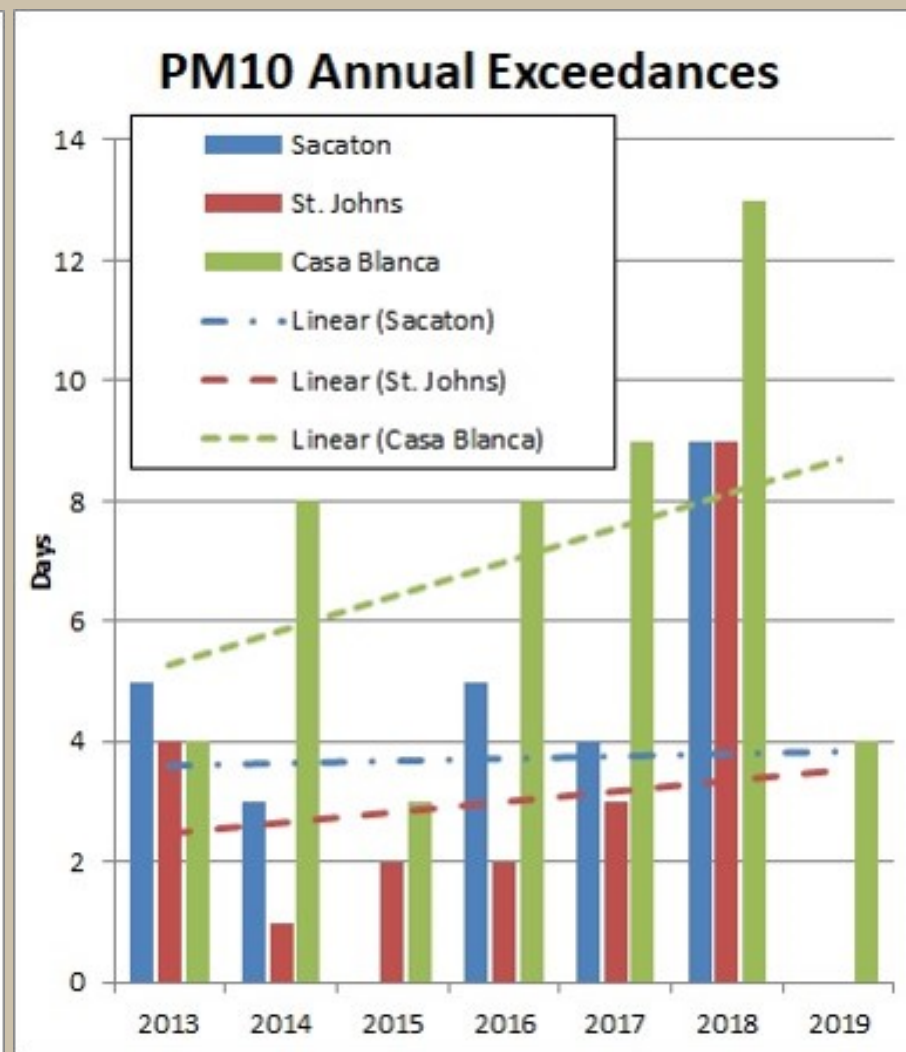
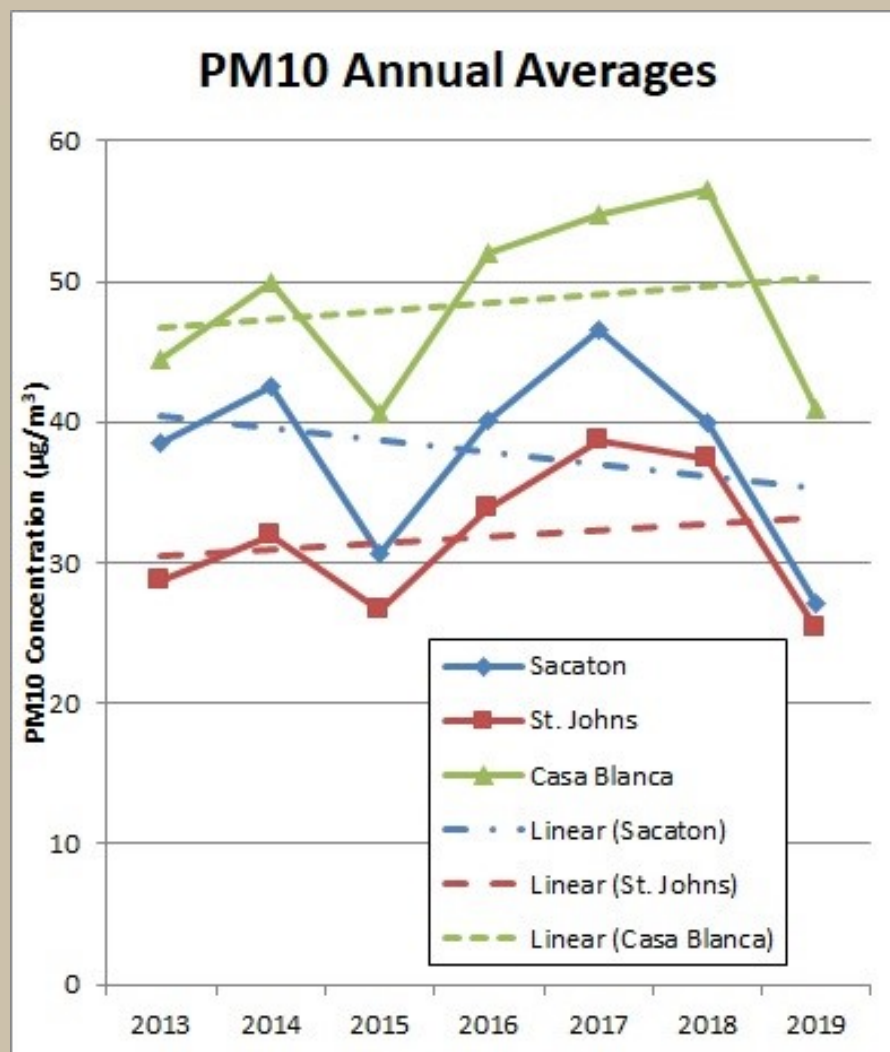


- Most days good/moderate
- CB has more moderate days (why?)





# PM10 Trends





# Normal vs. Exceedance Day

Normal Day



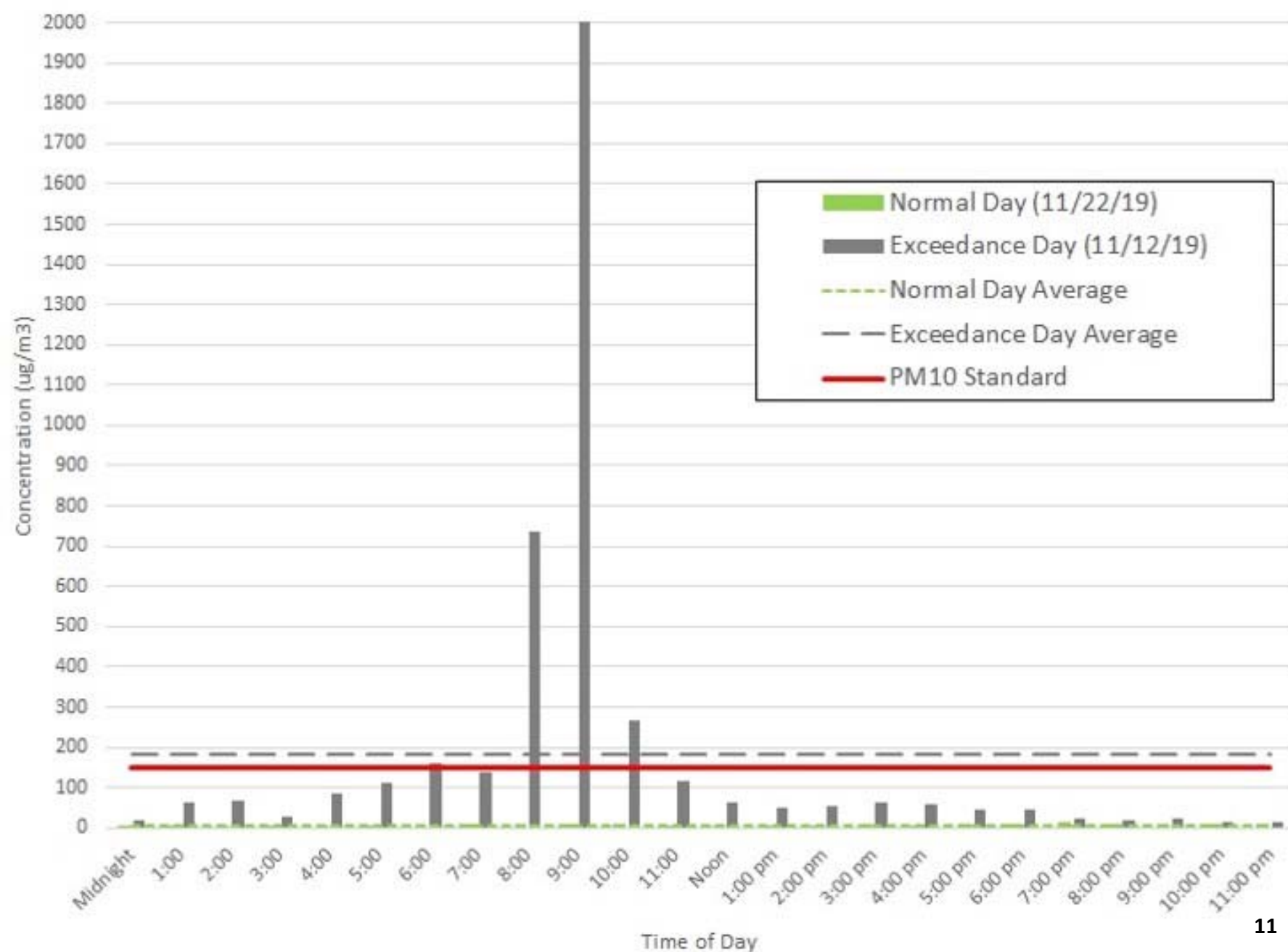
11/22/19 @ 9:00am

Exceedance Day

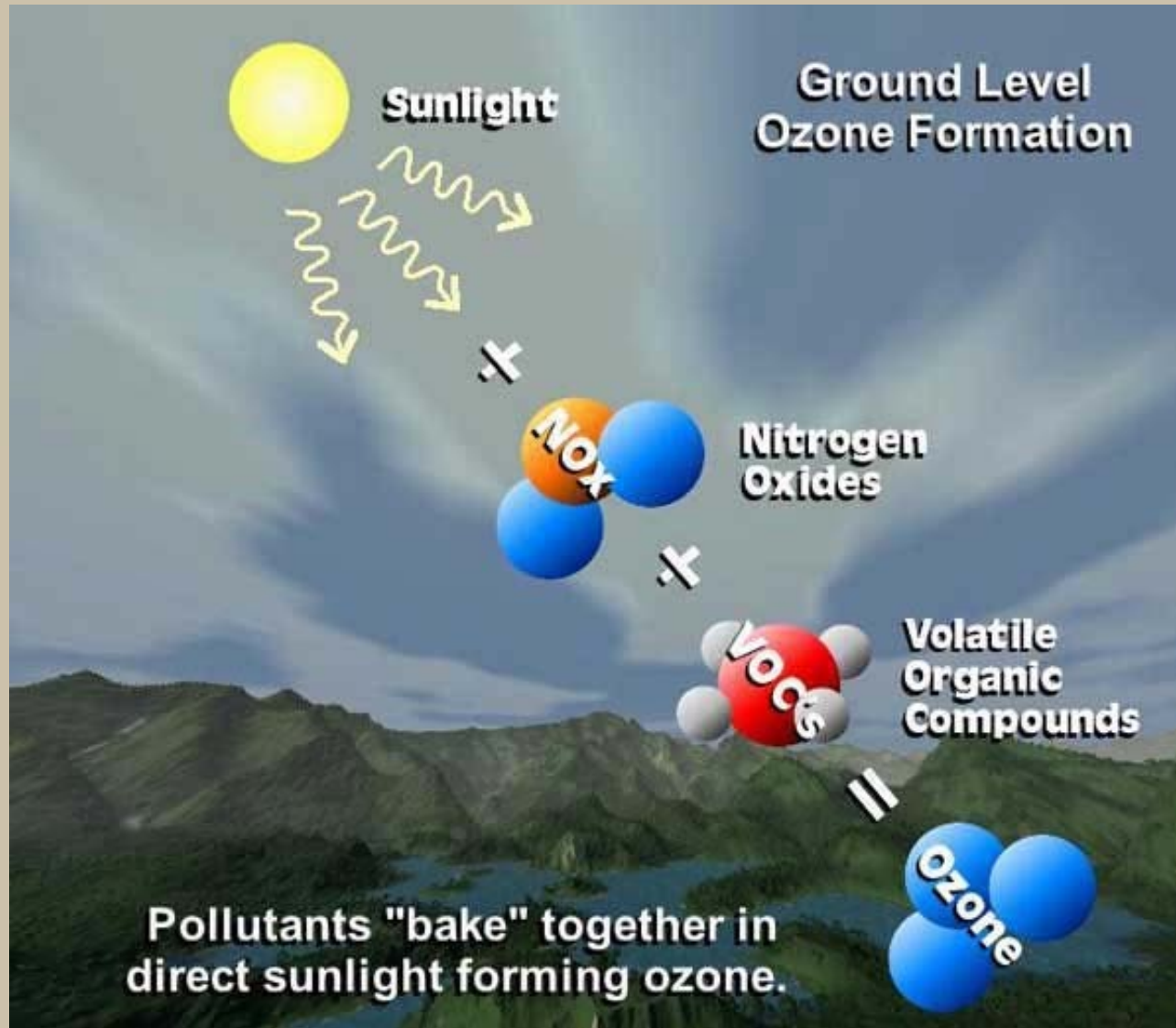


11/12/19 @ 9:00am

## Normal vs. Exceedance Day at Casa Blanca

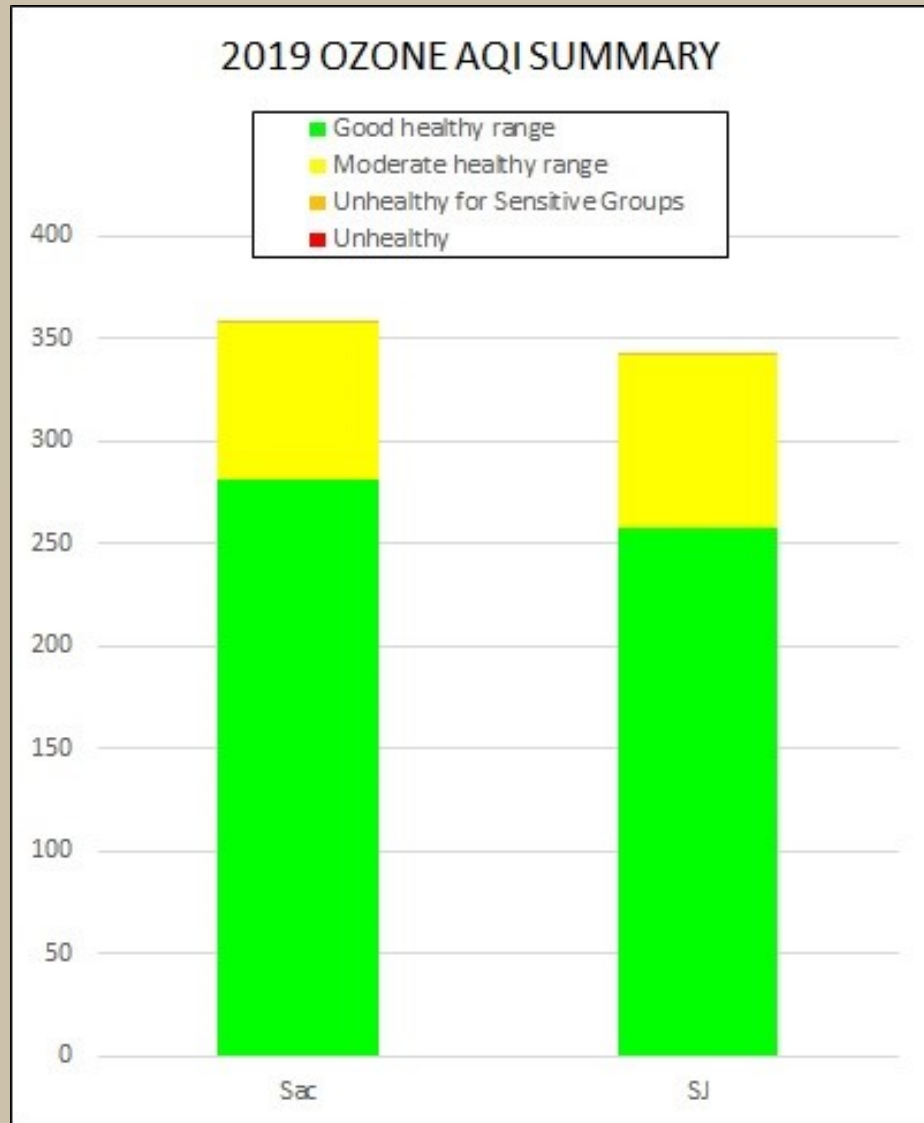


# What Is Ozone?





# 2019 Ozone Results



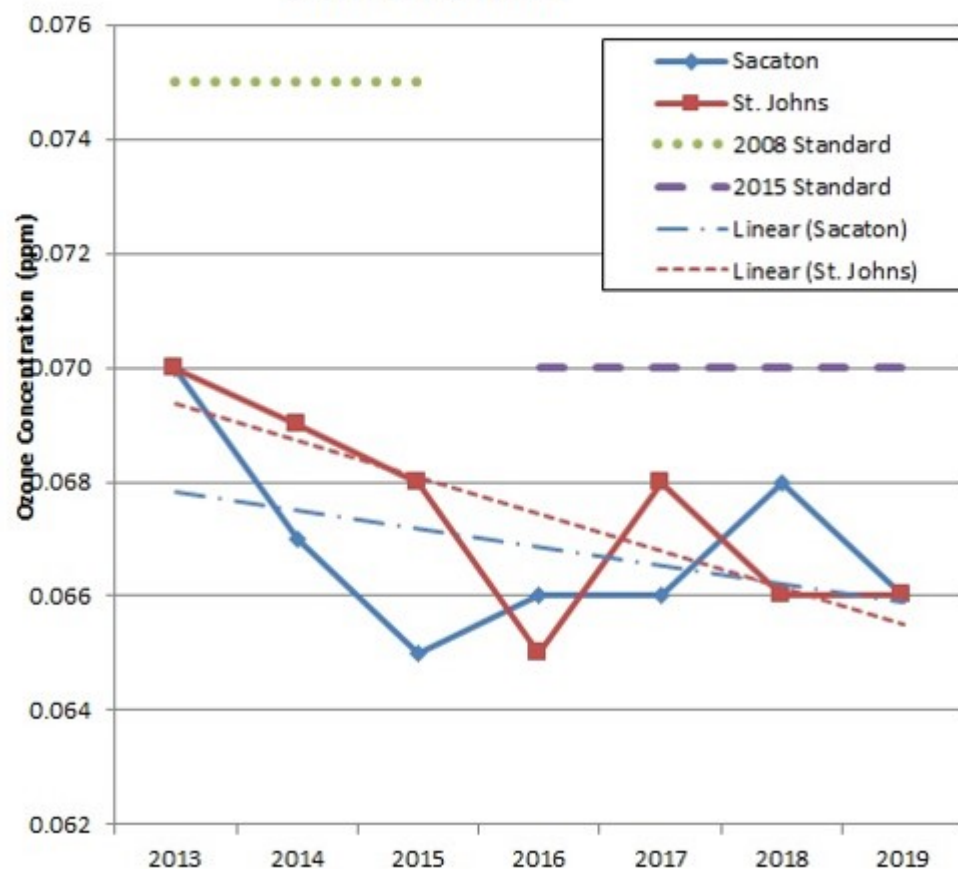
- Most days good/moderate
- Ozone not historically a problem for Community BUT...
- GRIC borders Phoenix Metro Area



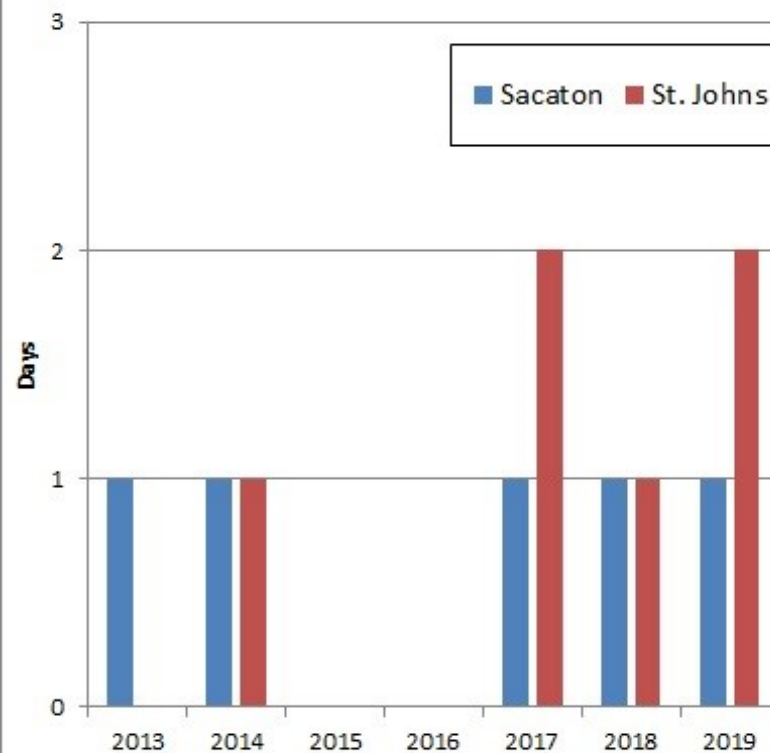


# Ozone Trends

**Annual 4th Highest Ozone Concentration**



**Days With at Least One 8-Hour Average Ozone Concentration Above the NAAQS**







[www.gricdeq.org](http://www.gricdeq.org)

## DEQ RELOCATION

### ABOUT GRIC DEQ

Learn how we can help >

### EVENT CALENDAR

Discover what's coming up >

[EDUCATION & OUTREACH →](#)

[AIR QUALITY PROGRAM →](#)

[PESTICIDE CONTROL PROGRAM →](#)

[WASTE PROGRAM →](#)

[WATER QUALITY PROGRAM →](#)

[WILDLIFE PROGRAM →](#)



### NEWS & HIGHLIGHTS



**EARTH DAY 2020**  
MESSAGE FROM  
GOV. LEWIS & DEQ

[More Info →](#)



**CHUCKWALLA  
TRANSLOCATION**  
SOUTH MOUNTAIN  
CHUCKWALLAS  
RELOCATED DUE TO  
CONSTRUCTION

[More Info →](#)



**BALD EAGLES**  
BALD EAGLE  
OUTFITTED WITH  
TRANSMITTER

[More Info →](#)



**WHAT IS THAT  
RED LIQUID?**

[More Info →](#)




**2019 RECYCLING  
CALENDAR**  
DON'T MISS YOUR PICK  
UP DATE!


[More Info →](#)



**ATTENTION**  
**PUBLIC NOTICE**

[More Info →](#)





## EDUCATION & OUTREACH

[EDUCATION > PUBLIC NOTICES](#)

### PUBLIC NOTICES

#### GENERAL

Documents for Public Comment:

Public Meeting Announcement:

*None scheduled at this time*

#### PESTICIDE

Public Meeting Announcement:

*None scheduled at this time*

#### WATER QUALITY PROGRAM

Public Meeting Announcement:

*None scheduled at this time*

#### AIR QUALITY PROGRAM

Documents for Public Comment:

Public Meeting Announcement:

*None scheduled at this time*

[GILA RIVER  
INTERPRETIVE TRAIL](#)

[AIR QUALITY FLAG  
PROGRAM](#)

[WINTER BIRD COUNT](#)

[EARTH DAY](#)

[COMPOSTING](#)

[CAUTION COYOTE](#)

[WATER QUALITY  
OUTREACH](#)

[PUBLIC NOTICES](#)





# Realtime Air Quality Info

[www.gricdeq.org](http://www.gricdeq.org) → Air → Ambient Air Monitoring

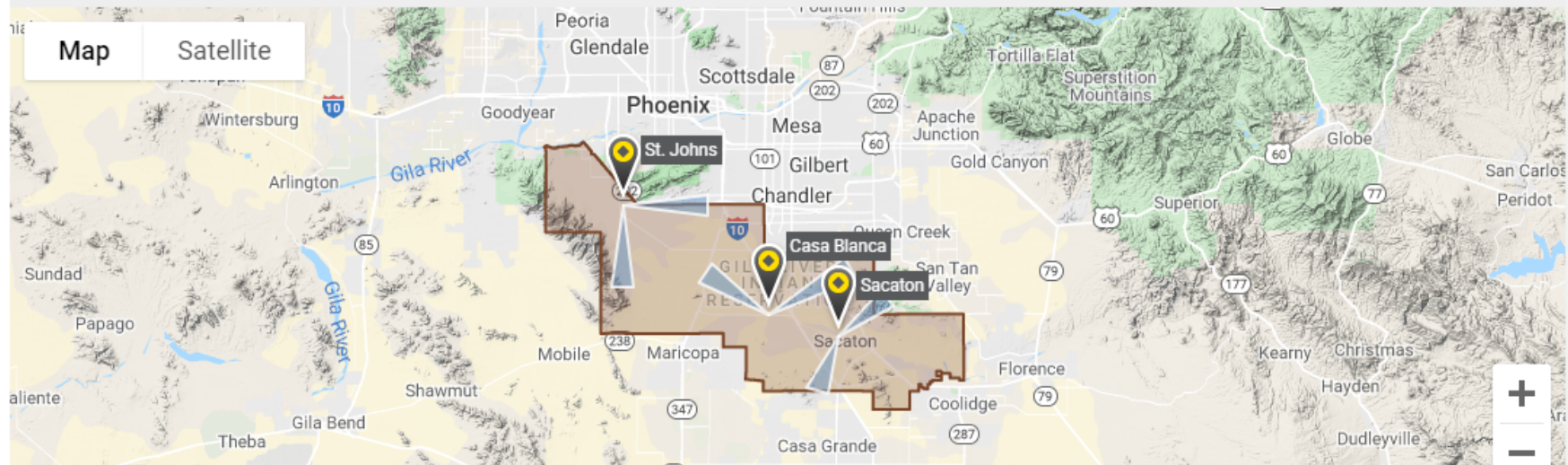
[Back To Main Map](#)

[View Sacaton](#)

[View St Johns](#)

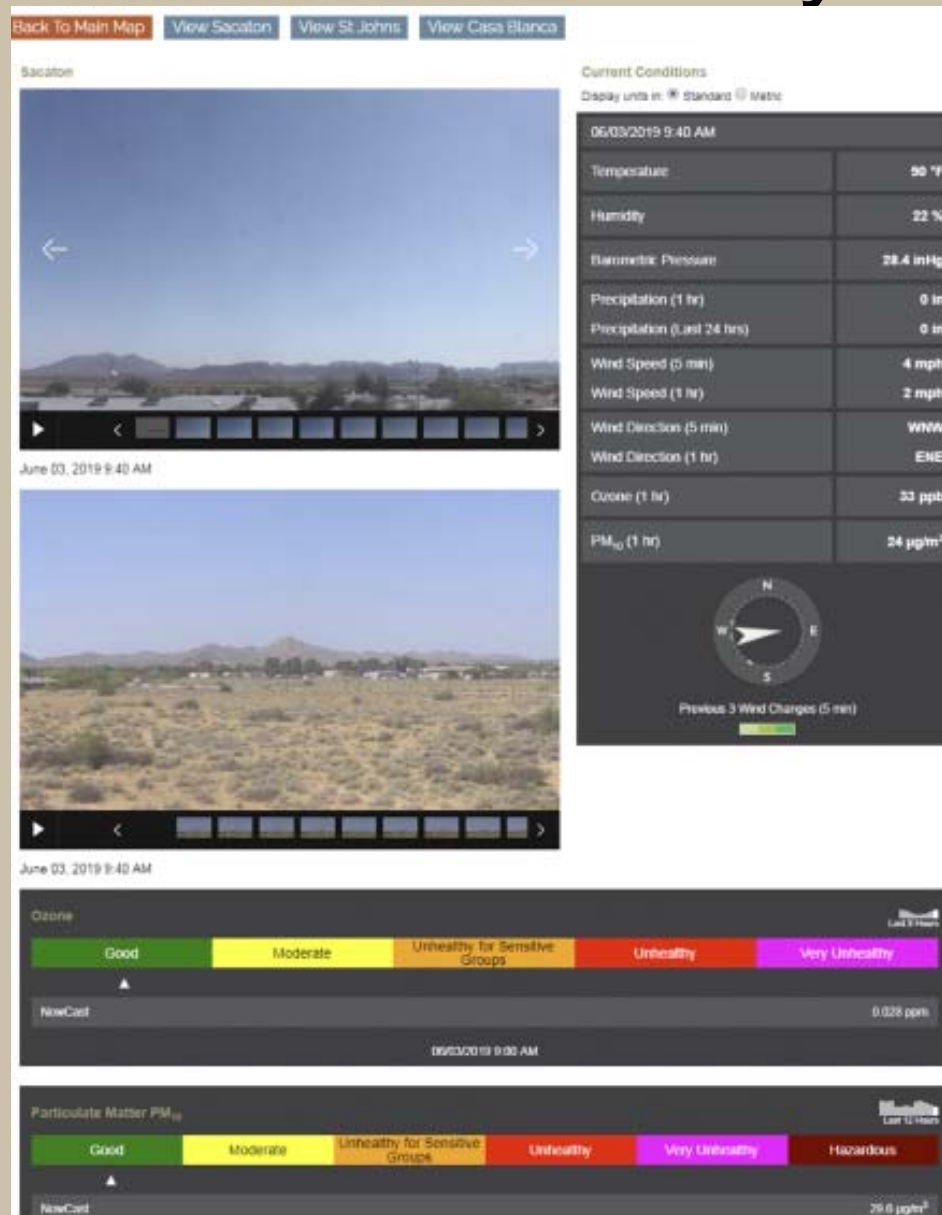
[View Casa Blanca](#)

	St. Johns	Casa Blanca	Sacaton
Temperature	81 °F	82 °F	84 °F
Humidity	26 %	24 %	19 %
Precipitation	0 in	0 in	0 in
Wind Speed	7 mph	2 mph	4 mph
Wind Direction	NNE	S	NNE
PM <sub>10</sub> (AQI)	31	33	42
Ozone (AQI)	31		33





# Realtime Air Quality Info





# Contact Information

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