



COG/MPO Director Meeting September 3, 2020

Daniel Czecholinski, Air Quality Director





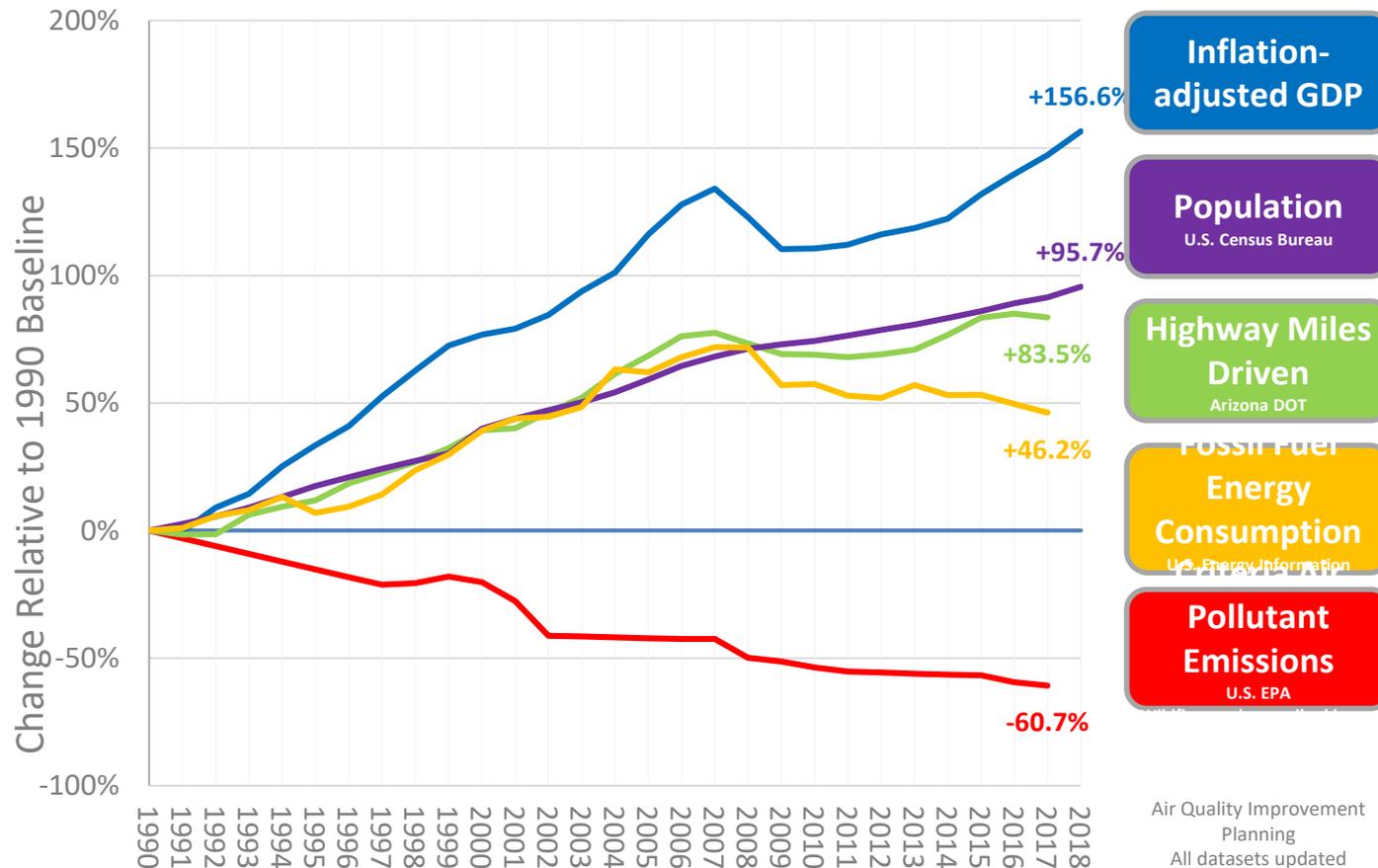
Air Quality Division

MISSION

Our Mission

To protect and enhance public health and the environment by ensuring that ambient air is healthy to breathe, visibility in national parks and forests is pristine, and air quality does not negatively impact environmental systems. AQD accomplishes that mission by controlling current and future sources of air pollution.

Economic & Air Quality Trends in AZ since 1990

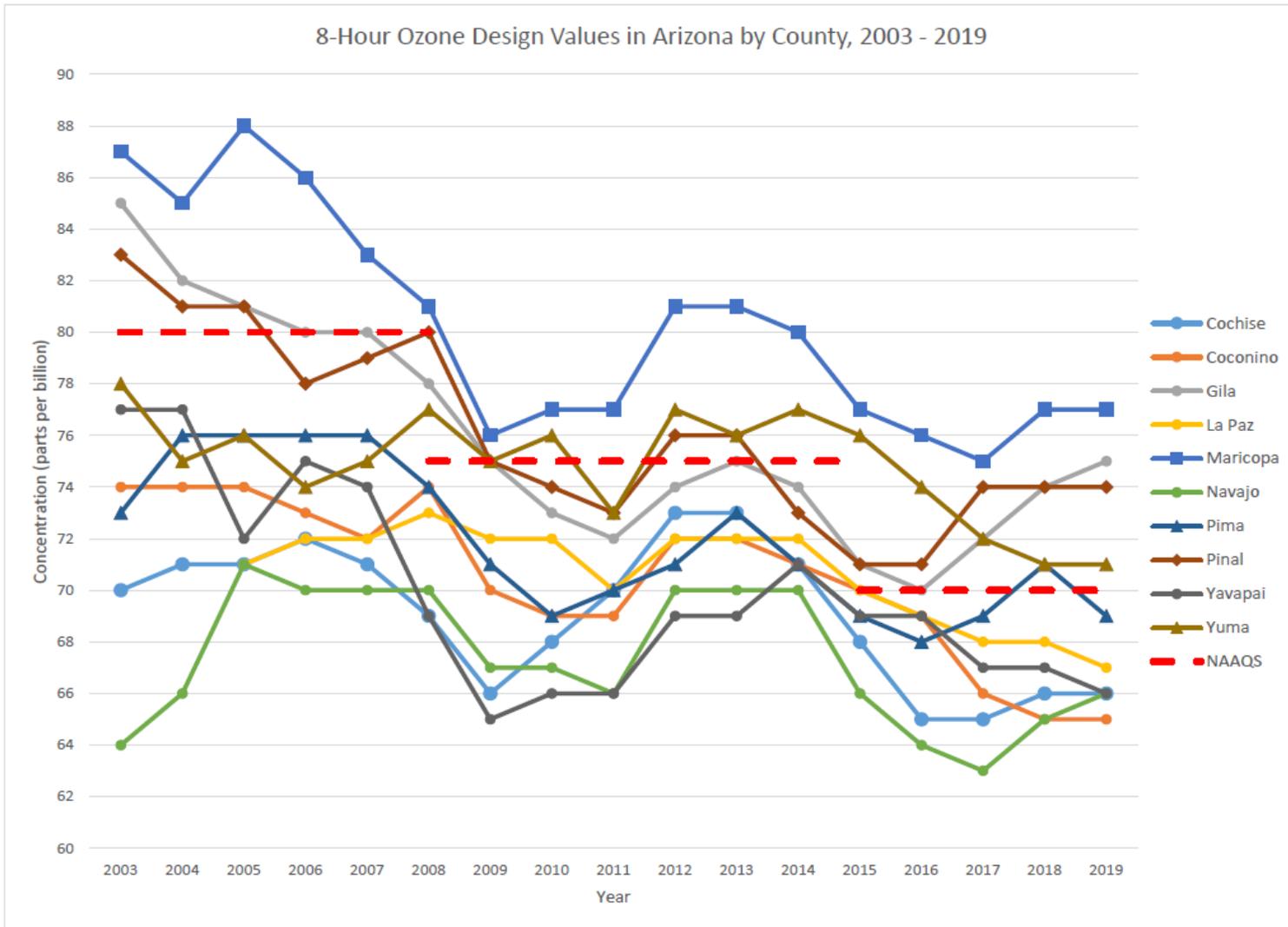


Sources

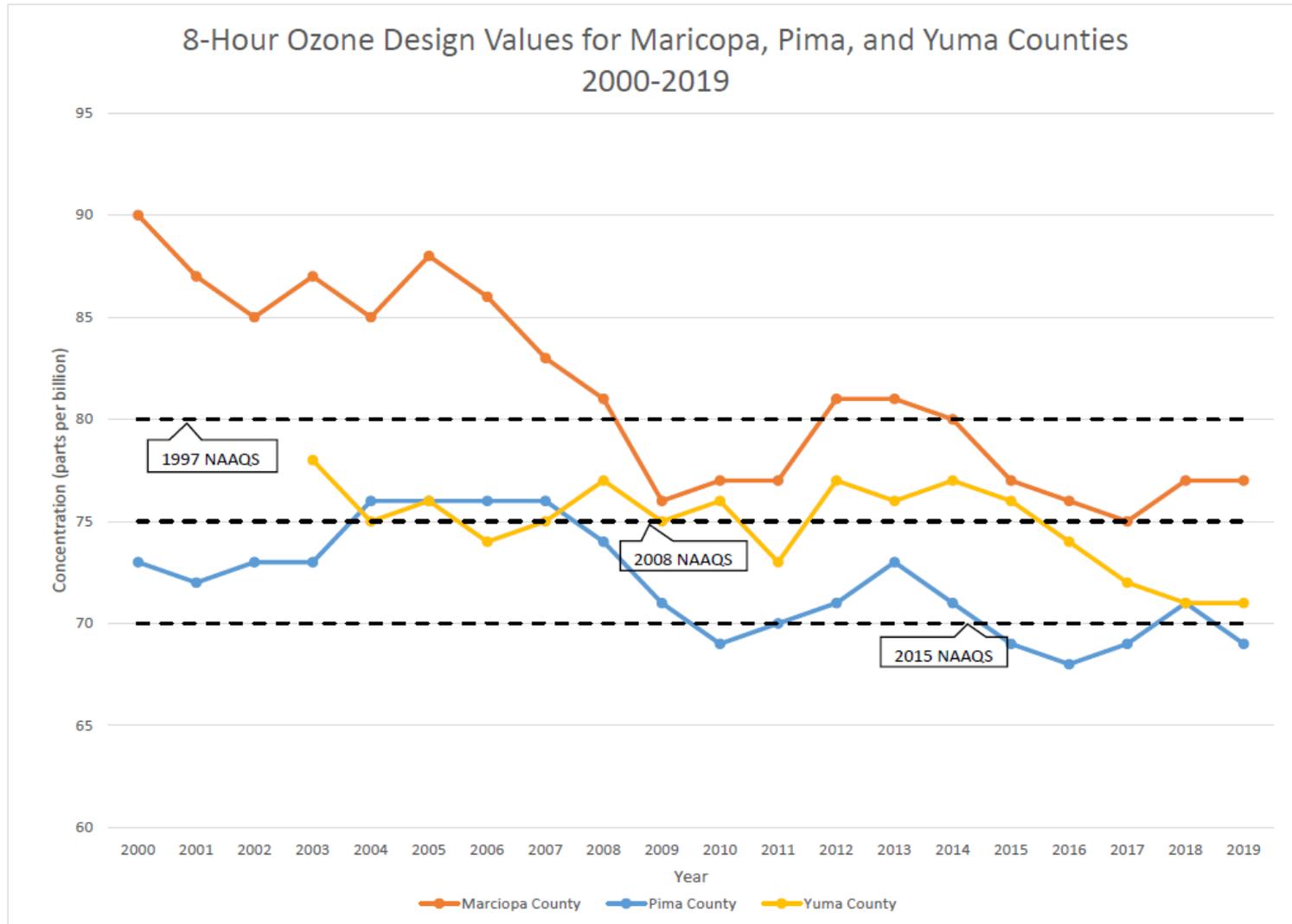
Gross Domestic Product for Arizona: U.S. Bureau of Economic Analysis
 Vehicle Miles Traveled in Arizona: Arizona Department of Transportation
 Population of Arizona: U.S. Census Bureau
 Energy Consumption in Arizona: U.S. Energy Information Administration
 National Emissions Inventory for Arizona: U.S. Environmental Protection Agency

Air Quality Improvement
 Planning
 All datasets updated
 01/17/2020

Statewide Ozone trends

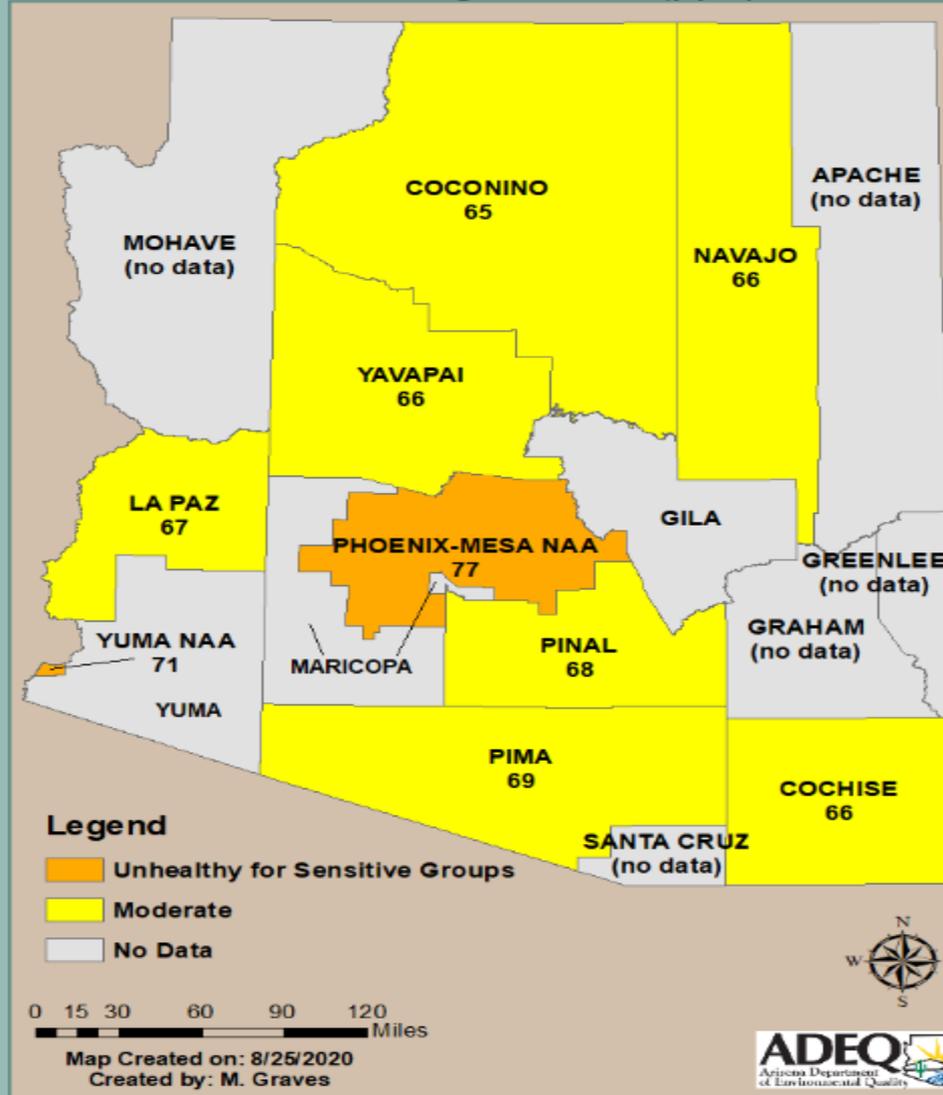


Ozone trends



Ozone design values by county

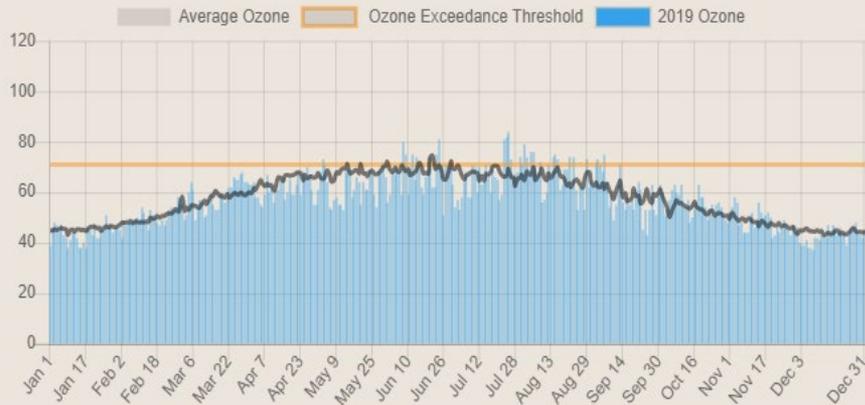
2017-2019 Ozone Design Values (ppb) for Arizona



Statewide Ozone

← 2019 →

Switch to:

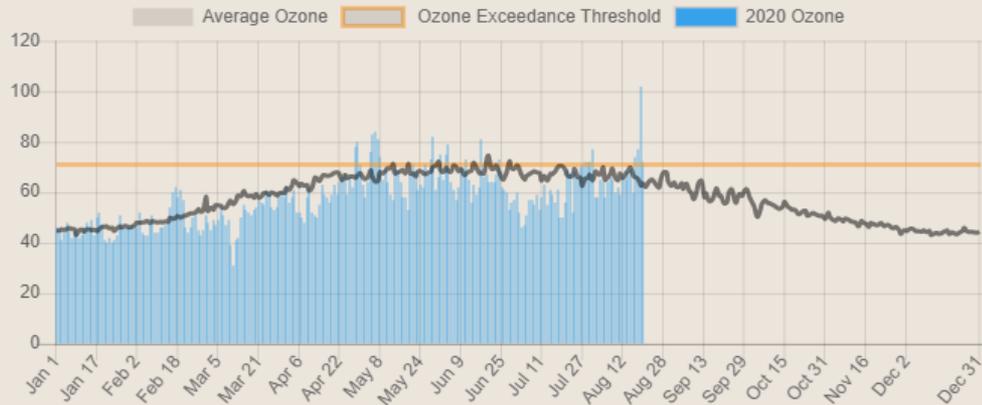


	Good Days	Moderate Days	Exceedance days
Number of Days	158	167	40

Statewide Ozone

← 2020 →

Switch to:



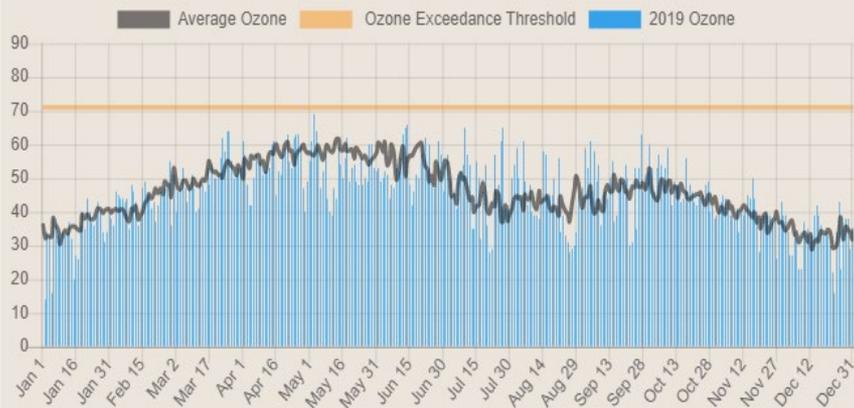
	Good Days	Moderate Days	Exceedance days
Number of Days	94	112	27

<https://azdeq.gov/aq/yt/?location=statewide&pollutant=ozone>

Yuma Ozone

← 2019 →

Switch to: **PM10** | **PM2.5**

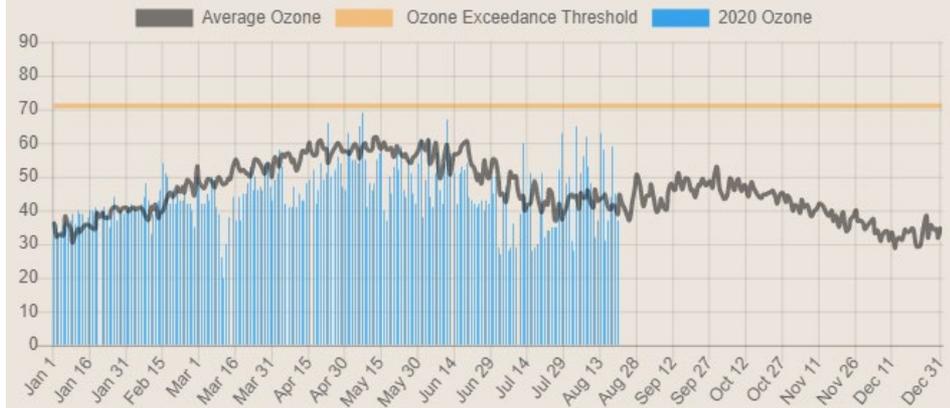


	Good Days	Moderate Days	Exceedance days
Number of Days	300	64	0

Yuma Ozone

← 2020 →

Switch to: **PM10** | **PM2.5**



	Good Days	Moderate Days	Exceedance days
Number of Days	197	29	0

<https://azdeq.gov/daq/ytd?location=yuma&pollutant=ozone>

Tucson Ozone

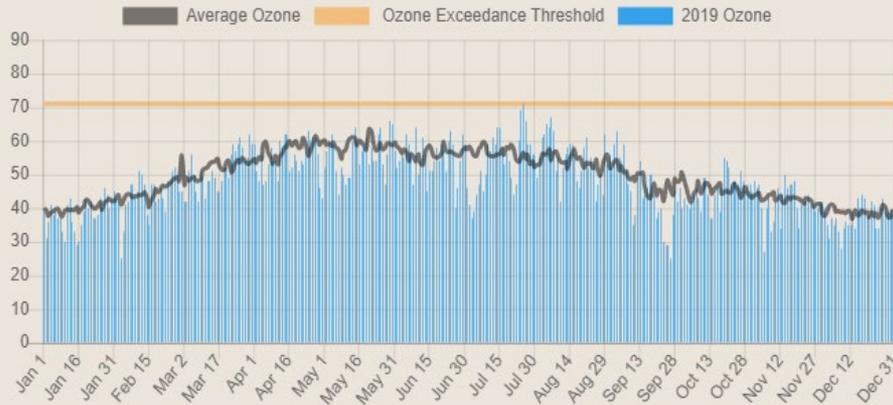
Switch to: [PM10](#) | [PM2.5](#)

← 2019 →

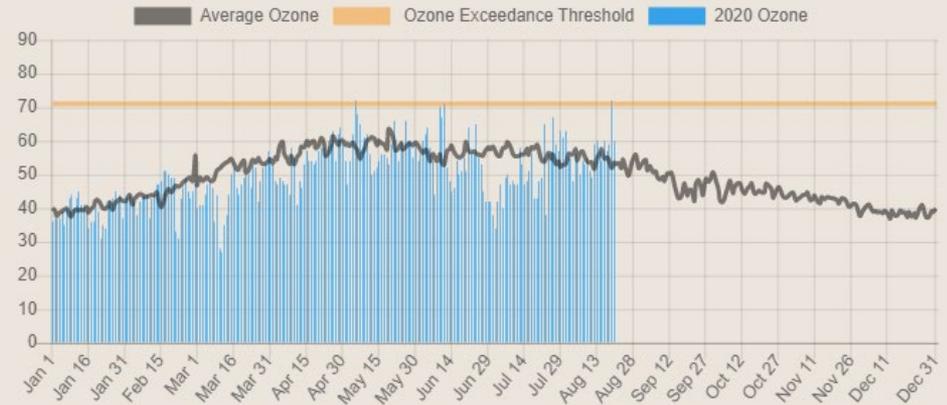
Tucson Ozone

Switch to: [PM10](#) | [PM2.5](#)

← 2020 →



	Good Days	Moderate Days	Exceedance days
Number of Days	269	95	1



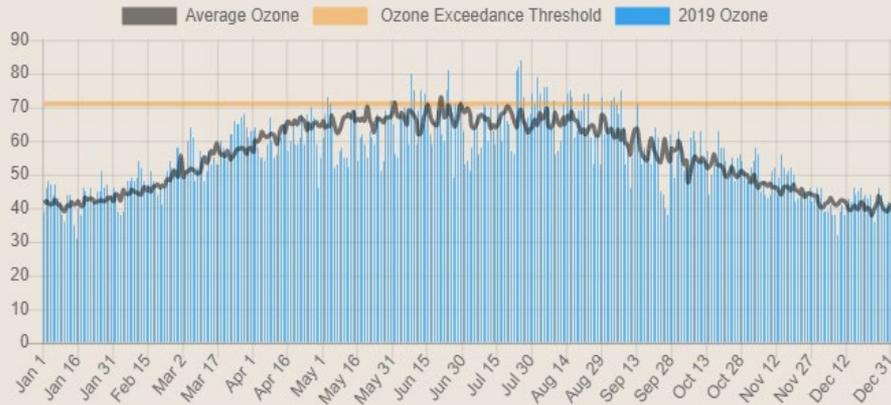
	Good Days	Moderate Days	Exceedance days
Number of Days	160	70	3

<https://azdeq.gov/aq/yt/?location=tucson&pollutant=ozone>

Phoenix Ozone

← 2019 →

Switch to: [PM10](#) | [PM2.5](#)

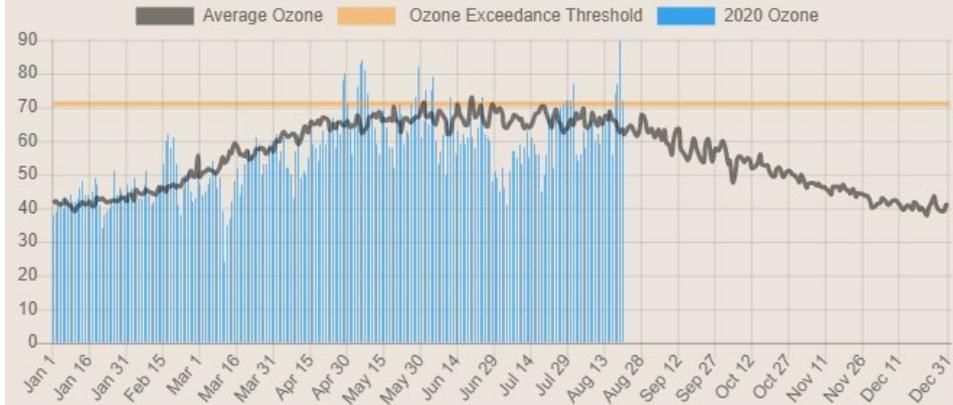


	Good Days	Moderate Days	Exceedance days
Number of Days	167	159	39

Phoenix Ozone

← 2020 →

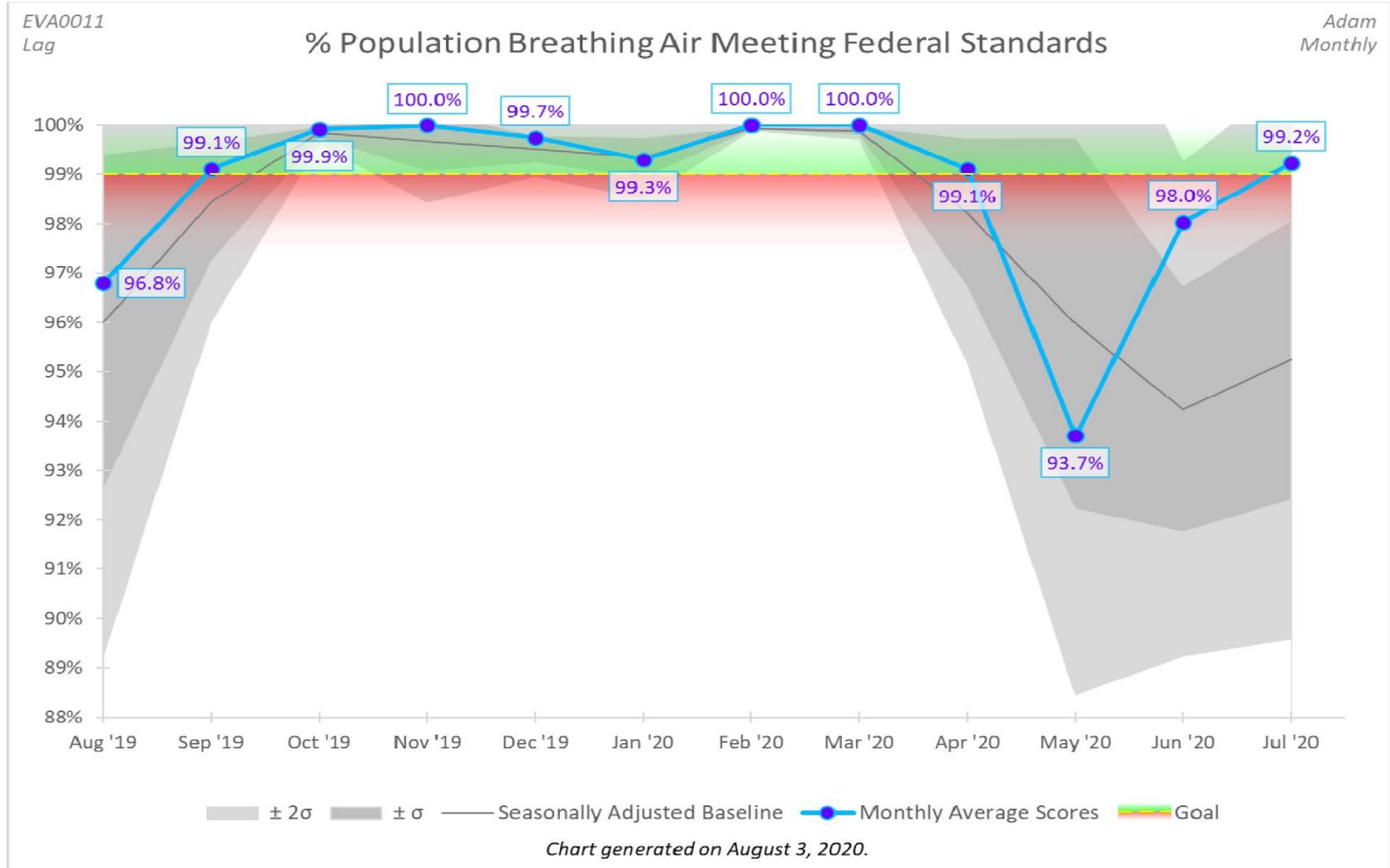
Switch to: [PM10](#) | [PM2.5](#)



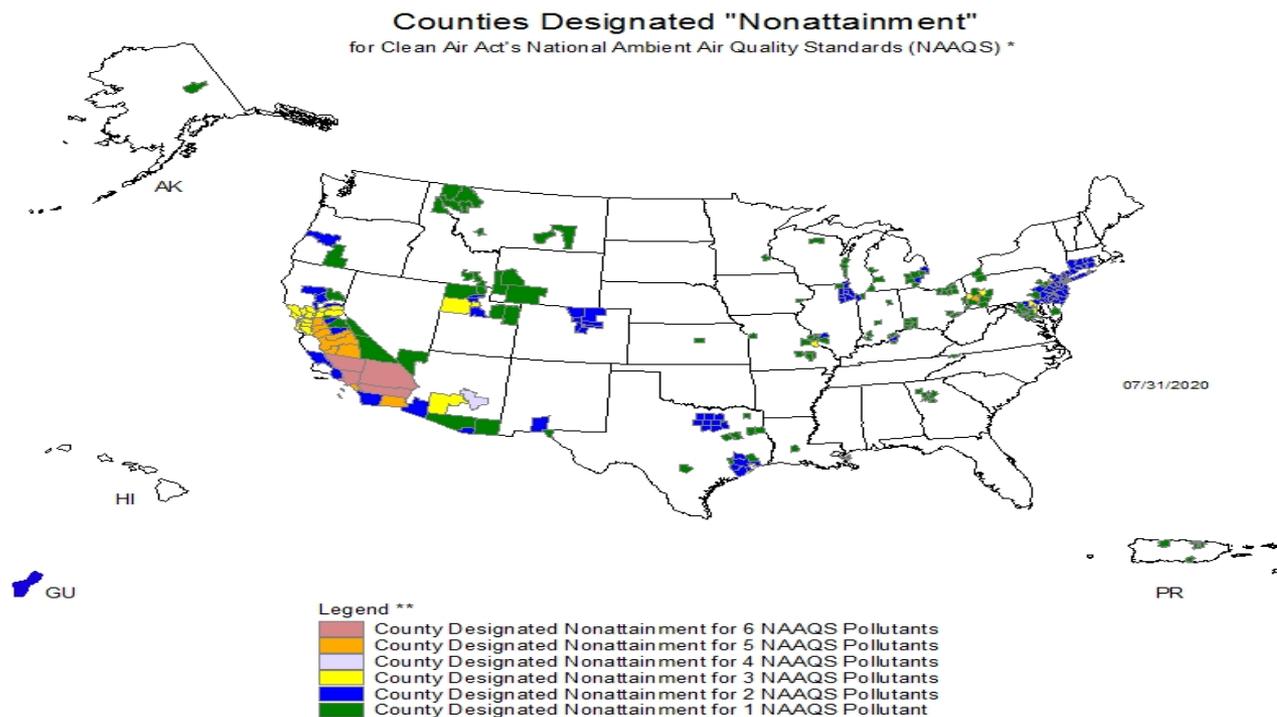
	Good Days	Moderate Days	Exceedance days
Number of Days	104	103	26

<https://azdeq.gov/aq/ytd?location=phoenix&pollutant=ozone>

Air Quality Metric



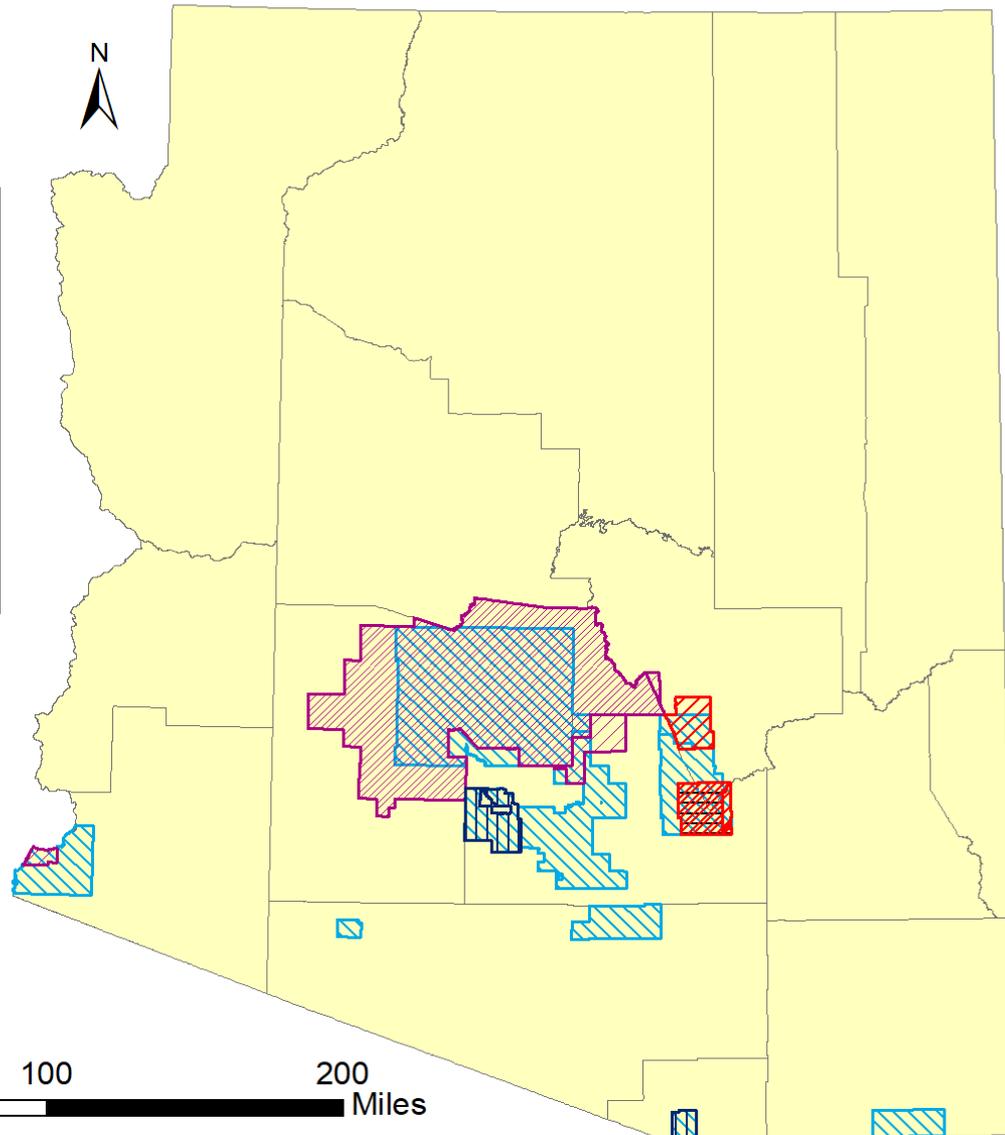
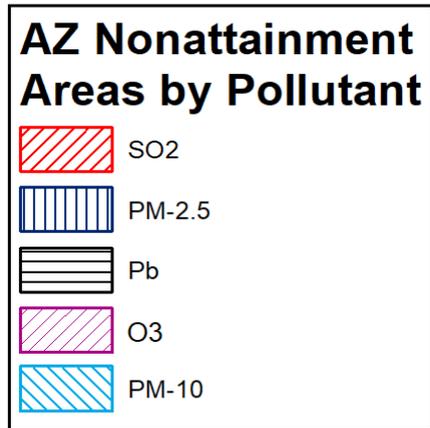
NAAQS Non-Attainment Areas



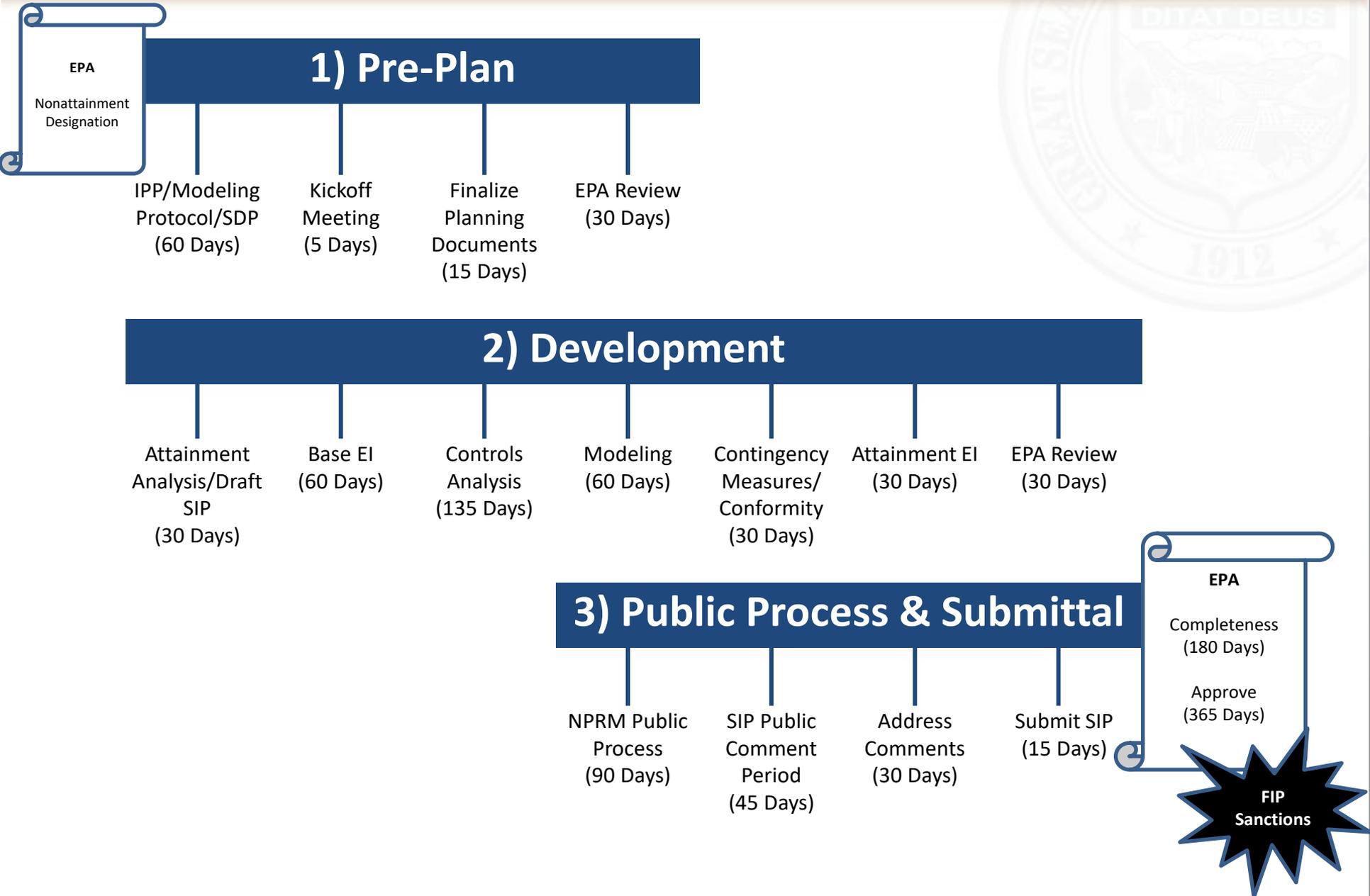
* The National Ambient Air Quality Standards (NAAQS) are health standards for Carbon Monoxide, Lead (1978 and 2008), Nitrogen Dioxide, 8-hour Ozone (2008), Particulate Matter (PM-10 and PM-2.5 (1997, 2006 and 2012), and Sulfur Dioxide (1971 and 2010)

** Included in the counts are counties designated for NAAQS and revised NAAQS pollutants. Revoked 1-hour (1979) and 8-hour Ozone (1997) are excluded. Partial counties, those with part of the county designated nonattainment and part attainment, are shown as full counties on the map.

Arizona Nonattainment Areas



Nonattainment SIP Timeline



Yuma Ozone Next Steps

Action	Submittal Date	Due Date
Marginal SIP submitted to EPA * <small>*missing one appendix</small>	7/29/20	08/03/2020
Emissions Inventory Questionnaire Rule to be submitted to GRRC	09/2020	-
Public Notice for Marginal SIP with inclusion of all appendices	Re-Notice to be published 09/07/2020	09/07/2020
Hearing for Marginal SIP with inclusion of all appendices	10/13/2020	10/13/2020
Resubmit Marginal SIP for inclusion of all appendices to EPA	10/19/2020	10/19/2020
International Transport SIP	08/03/2020	08/03/2020
Yuma, AZ 2015 ozone NAAQS attainment date	Attainment Deadline is 08/2021	08/2021

Inventory of In-Process SIPs

YEAR OF STANDARD	NAAQS	AREA	CLASSIFICATION	SIP STATUS	EPA SIP APPROVED
2015	8-hr Ozone	Phoenix-Mesa	Marginal	Nonattainment	No
		Yuma	Marginal	Nonattainment	Submitted to EPA on July 29, 2020
1987	PM ₁₀	Douglas-Paul Spur	Moderate	Nonattainment	No
		Hayden	Moderate	Nonattainment	No
		West Pinal	Moderate	Nonattainment	No
		West Pinal	Serious	Nonattainment	Not yet submitted
		Yuma	Moderate	Nonattainment	No
1971	Sulfur Dioxide (SO ₂)	Hayden	No classification	Nonattainment	No
2010	Sulfur Dioxide (SO ₂)	Hayden	No classification	Nonattainment	No

Areas in Arizona Redesignated from Nonattainment to Attainment for NAAQS*

Carbon Monoxide (1971 NAAQS)

- Phoenix Area –
- Tucson Area –

Ozone 1-Hour (1979 NAAQS)

- Phoenix Area –

Sulfur Dioxide (1971 NAAQS)

- Ajo –
- Douglas –
- Miami –
- Morenci –
- San Manuel –

PM10 (1987 NAAQS)

- Payson –
- Bullhead City –
- Ajo- effective 9/3/20

Ozone 8-Hour (1997 NAAQS)

- Phoenix Area –

**As is the case for ozone, NAAQS can be made more stringent over time, taking an attainment area back in to non-attainment*

Thank you

Questions?

Please contact:

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