

Carbon Monoxide 1-hour

Form: highest concentration during most recent 3 years.

Site-MCAQD & ADEQ	AQS #	Max 1-hr concentration (ppm)			Background Value (ppm)
		2018	2019	2020	
Buckeye	04-013-4011	0.8	1.7	1.0	1.7
Central Phoenix	04-013-3002	3.4	2.5	2.4	3.4
Diablo	04-013-4019	2.0	1.8	**	**
Dysart	04-013-4010	*	*	*	*
Glendale	04-013-2001	*	*	*	*
Greenwood	04-013-3010	*	*	*	*
JLG Supersite	04-013-9997	2.4	2.3	2.1	2.4
Mesa	04-013-1003	2.1	1.6	3.2	3.2
South Phoenix	04-013-4003	3.7	2.6	2.7	3.7
West Chandler	04-013-4004	2.4	1.6	1.6	2.4
West Phoenix	04-013-0019	5.1	3.1	3.8	5.1

*These monitors were shut down in 2016

**This monitor was shut down in 2020

Carbon Monoxide 8-hour

Form: highest concentration during most recent 3 years.

Site-MCAQD & ADEQ		Max 8-hr concentration (ppm)			Background Value (ppm)
		2018	2019	2020	
Buckeye	04-013-4011	0.6	0.8	0.7	0.8
Central Phoenix	04-013-3002	2.4	1.8	1.9	2.4
Diablo	04-013-4019	1.6	1.5	**	**
Dysart	04-013-4010	*	*	*	*
Glendale	04-013-2001	*	*	*	*
Greenwood	04-013-3010	*	*	*	*
JLG Supersite	04-013-9997	2.0	1.7	1.7	2.0
Mesa	04-013-1003	1.4	1.0	1.6	1.6
South Phoenix	04-013-4003	3.2	1.6	2.2	3.2
West Chandler	04-013-4004	1.4	1.0	1.3	1.4
West Phoenix	04-013-0019	4.4	2.4	3.0	4.4

*These monitors were shut down in 2016

**This monitor was shut down in 2020

Source: US EPA AQS Report AMP450 (Quick Look Report)

Nitrogen Dioxide 1-hour

Form: 98th percentile of the annual distribution of daily maximum 1-hour values averaged across the most recent three years

Site-MCAQD & ADEQ	AQS#	98th Percentile (ppb)			Background Value (ppb)
		2018	2019	2020	
Buckeye	04-013-4011	34.0	33.0	36.0	34.3
Central Phoenix	04-013-3002	56.0	52.0	54.0	54.0
Diablo	04-013-4019	56.0	50.0	**	**
Greenwood	04-013-3010	*	*	*	*
JLG Supersite	04-013-9997	50.2	48.2	47.5	48.6
Thirty-third	04-013-4020	62.0	58.0	57.0	59.0
West Phoenix	04-013-0019	52.0	47.0	48.0	49.0

*This monitor was shut down in 2016

**This monitor was shut down in 2020

Nitrogen Dioxide Annual

Form: Highest annual concentration for most recent three years

Site-MCAQD & ADEQ	AQS#	Annual Concentration (ppb)			Background Value (ppb)
		2018	2019	2020	
Buckeye	04-013-4011	7.7	7.1	8.1	8.1
Central Phoenix	04-013-3002	17.5	15.7	15.9	17.5
Diablo	04-013-4019	18.9	16.8	**	**
Greenwood	04-013-3010	*	*	*	*
JLG Supersite	04-013-9997	14.3	13.1	13.1	14.3
Thirty-third	04-013-4020	28.3	24.8	25.1	28.3
West Phoenix	04-013-0019	16.1	14.1	13.4	16.1

*This monitor was shut down in 2016

**This monitor was shut down in 2020

Source: US EPA AQS Report AMP450 (Quick Look Report)

Particulate Matter <10 microns (PM10) Exceptional events have been excluded

Form: 98th percentile of the annual distribution of daily maximum values averaged across the most recent three years.

Site-MCAQD & ADEQ	AQS#	98th Percentile (µg/m ³)			Background Value (µg/m ³)
		2018	2019	2020	
Buckeye	04-013-4011	97.5	79.8	96.9	91.4
Central Phoenix	04-013-3002	82.8	58.6	68.0	69.8
Durango Complex	04-013-9812	107.0	73.8	93.9	91.6
Dysart	04-013-4010	91.6	48.5	57.8	66.0
Glendale	04-013-2001	64.6	37.0	40.0	47.2
Greenwood	04-013-3010	*	*	*	*
Higley	04-013-4006	96.8	66.0	83.7	82.2
JLG Supersite	04-013-9997	90.5	46.6	64.5	67.2
Mesa	04-013-1003	71.4	33.0	45.9	50.1
North Phoenix	04-013-1004	60.7	33.8	43.0	45.8
South Phoenix	04-013-4003	73.9	56.0	74.9	68.3
South Scottsdale	04-013-3003	94.8	42.7	56.4	64.7
Tempe	04-013-4005	88.8	38.0	47.8	58.2
West 43rd Ave	04-013-4009	118.0	107.0	117.9	114.3
West Chandler	04-013-4004	83.7	53.0	61.2	66.0
West Phoenix	04-013-0019	67.9	51.6	71.0	63.5
Zuni Hills	04-013-4016	91.6	45.8	52.0	63.1
Gila River Indian Community					
Casa Blanca	04-021-7004	118.0	89.8	87.0	103.9
Sacaton	04-021-7001	108.3	59.0	61.7	83.6
St. Johns	04-013-7003	105.2	57.0	59.0	81.1
Salt River Pima-Maricopa Indian Community					
Lehi	04-013-7022	109.1	52.7	65.9	80.9
Senior Center	04-013-7020	96.9	64.7	76.8	80.8
High School	04-013-7024	131.9	79.8	81.4	105.8
Pinal County Air Quality					
Apache Junction Fire Station	04-021-3002	73.9	40.0	54.6	56.9
Combs	04-021-3009	103.6	67.8	70.0	85.7

*This monitor was shut down in 2016

Source: US EPA AQ5 Report AMP435 (Daily Summary Report) for maximum daily values. 98th percentile calculated from annual distribution.

Particulate Matter <2.5 microns (PM2.5) Exceptional events have been excluded

Form: Average of the 98th percentile 24-hour values over most recent three years

Site-MCAQD & ADEQ	AQS#	98th Percentile (µg/m ³)			Background Value (µg/m ³)
		2018	2019	2020	
Diablo	04-013-4019	19.9	13.7	*	*
Durango Complex	04-013-9812	25.7	21.7	28.8	23.7
Glendale	04-013-2001	19.4	15.1	19.0	17.3
JLG Supersite	04-013-9997	23.7	19.9	24.8	21.8
Mesa	04-013-1003	16.6	11.1	17.4	13.9
North Phoenix	04-013-1004	18.2	14.5	18.4	16.4
South Phoenix	04-013-4003	27.4	21.4	34.1	24.4
Tempe	04-013-4005	16.0	11.9	15.6	14.0
West Phoenix	04-013-0019	28.6	23.4	33.9	26.0
Salt River Pima-Maricopa Indian Community					
Senior Center	04-013-7020	14.7	10.1	17.3	12.4
Pinal County Air Quality					
AJ Fire Station	04-021-3002	11.2	7.6	12.4	9.4
Casa Grande Downtown	04-021-0001	24.5	13.7	16.7	19.1

*This monitor was shut down in 2020

Particulate Matter <2.5 microns (PM2.5) Exceptional events have been excluded

Form: Average of the annual values over most recent three years

Site-MCAQD & ADEQ	AQS#	Annual Concentration (µg/m ³)			Background Value (µg/m ³)
		2018	2019	2020	
Diablo	04-013-4019	8.4	6.9	*	*
Durango Complex	04-013-9812	9.8	8.4	10.5	9.1
Glendale	04-013-2001	7.2	6.3	7.6	6.8
JLG Supersite	04-013-9997	8.8	7.8	8.9	8.3
Mesa	04-013-1003	7.2	5.2	7.3	6.2
North Phoenix	04-013-1004	7.2	6.3	7.9	6.8
South Phoenix	04-013-4003	9.0	7.5	10.5	8.2
Tempe	04-013-4005	7.0	5.8	6.8	6.4
West Phoenix	04-013-0019	9.4	8.2	10.5	8.8
Salt River Pima-Maricopa Indian Community					
Senior Center	04-013-7020	7.6	5.6	8.1	6.6
Pinal County Air Quality					
AJ Fire Station	04-021-3002	5.4	4.2	5.6	4.8
Casa Grande Downtown	04-021-0001	8.5	6.0	7.1	7.2

*This monitor was shut down in 2020

Source: US EPA AQS report AMP450 (Quicklook Criteria Parameters Report)

Sulfur Dioxide

Form: 99th percentile of the annual distribution of daily maximum 1-hour values averaged across the most recent three years

Site-MCAQD & ADEQ	AQS#	99th Percentile (ppb)			Background Value (ppb)
		2018	2019	2020	
Central Phoenix	04-013-3002	8.0	5.0	5.0	6.5
Durango Complex	04-013-9812	8.0	5.0	7.0	6.5
JLG Supersite	04-013-9997	6.1	3.1	4.9	4.6

Source: US EPA AQS Report AMP450 (Quick Look Report)