

2022 AMBIENT MONITORING

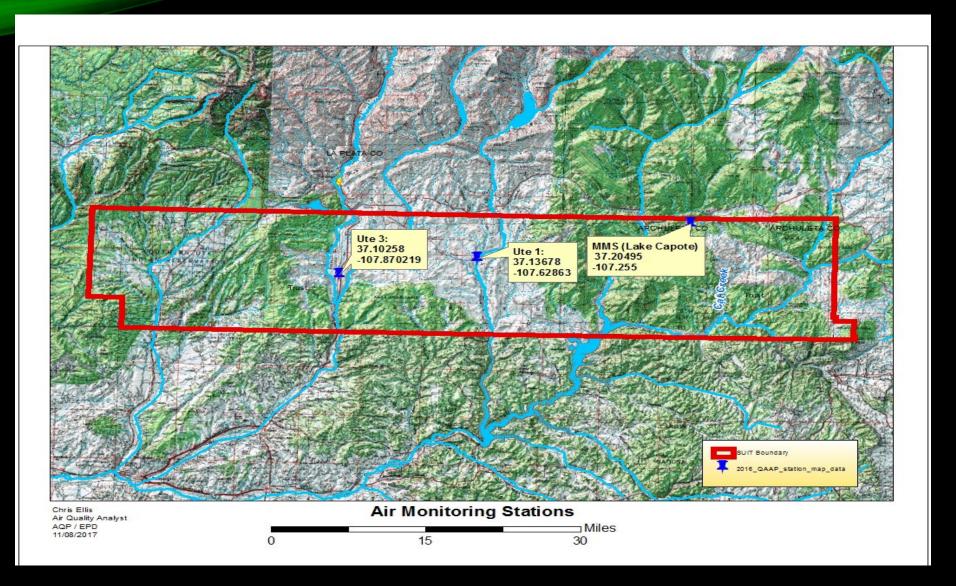
- Air monitoring stations:
 - Ute 1 (Ignacio)
 - Ute 3 (Bondad)
 - Mobile Monitoring Station (Lake Capote)
- Criteria pollutants measured:
 - Ozone
 - Nitrogen Dioxide
 - Carbon Monoxide (Ute 1 and 3)
 - Sulfur Dioxide (Lake Capote)
 - PM10 (Ute 1 & 3)
 - PM2.5 (Ute 1& 3)
 - Methane/NMHC

- Meteorological conditions measured:
 - · Wind speed and direction
 - Relative humidity
 - Ambient temperature
 - Pressure
 - Solar radiation
 - Precipitation (Ute 1 and 3)
 - Visibility (Ute 3)





RESERVATION MONITORING SITE LOCATIONS

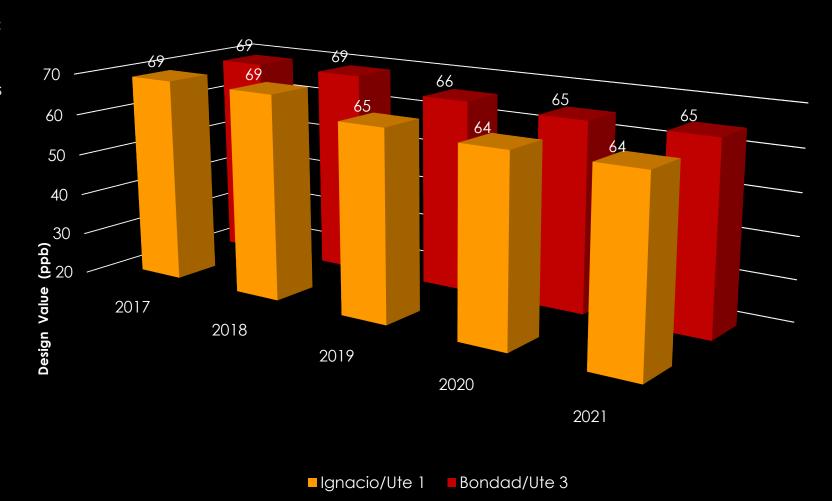


AMBIENT MONITORING 2017 – 2021 OZONE DESIGN VALUES

National Ambient Air Quality Standard: (NAAQS) <u>O3: 70 ppb</u>

Ozone Design Values (Fourth highest maximum averaged over a three-year period): Design Values are calculated for each air monitoring station within a county. The highest values reported by an air monitoring station in that county is the Design Value for that county.

	Year 1: 4 th Highest	_		
Year	Max	Max	Max	Station
2017	69	71	69	Ute 1
2018	67	69	71	Ute 1
2019	61	67	69	Ute 1
2020	66	61	67	Ute 1
2021	66	66	61	Ute 1
2017	69	72	66	Ute 3
2018	67	69	72	Ute 3
2019	63	67	69	Ute 3
2020	65	63	67	Ute 3
2021	68	65	63	Ute 3

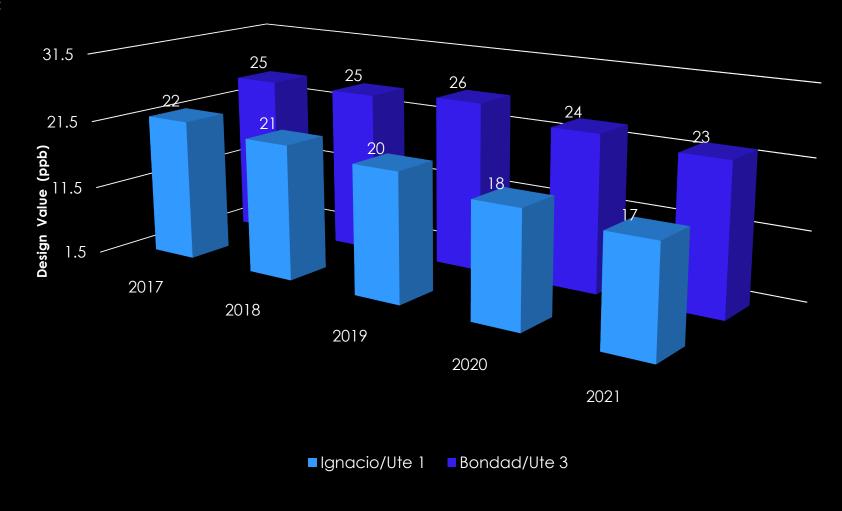


AMBIENT MONITORING 2017 – 2021 NITROGEN DIOXIDE DESIGN VALUES

National Ambient Air Quality Standard: (NAAQS) NO2: 100 ppb

NO2 Design Values (Annual 98th percentile of daily 1-hour maximum averaged over a three-year period): Design Values are calculated for each air monitoring station within a county. The highest values reported by an air monitoring station in that county is the Design Value for that county.

N 7	Year 1: 98th	Year 2: 98th	Year 3: 98th	G4 - 4*
Year	Percentile	Percentile	Percentile	Station
2017	22	22.6	22	Ute 1
2018	18.8	22	22.6	Ute 1
2019	20.3	18.8	22	Ute 1
2020	16	20.3	18.8	Ute 1
2021	16.1	16	20.3	Ute 1
2017	26.8	22	25	Ute 3
2018	25.7	26.8	25	Ute 3
2019	26.3	25.7	26.8	Ute 3
2020	20.7	26.3	25.7	Ute 3
2021	22.8	20.7	26.3	Ute 3

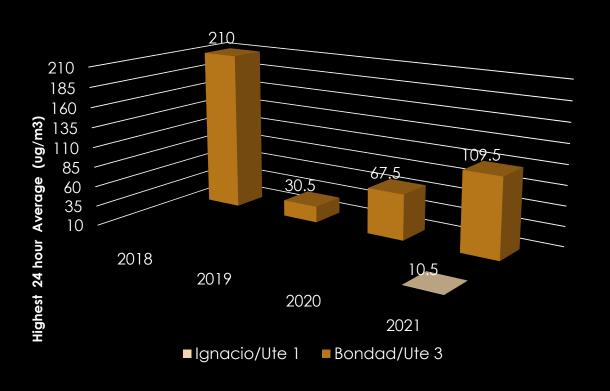


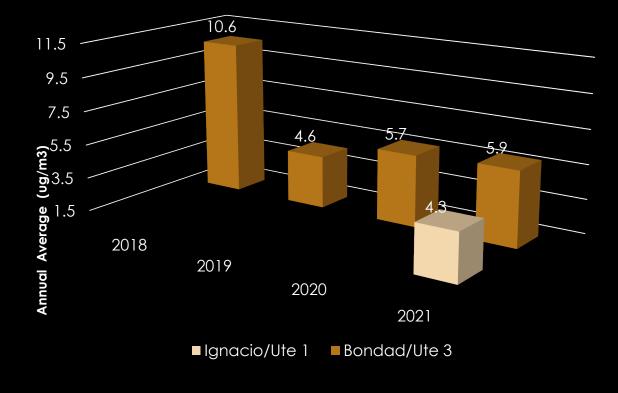
AMBIENT MONITORING 2018 – 2021 PM-10 ANNUAL AVERAGE VALUES

National Ambient Air Quality Standard: (NAAQS) PM10 150 ug/m³ 24 hour average not to exceed more than once per year on three-year average

National Ambient Air Quality Standard: (NAAQS) PM2.5 12 ug/m³ Annual mean, averaged over three-year period

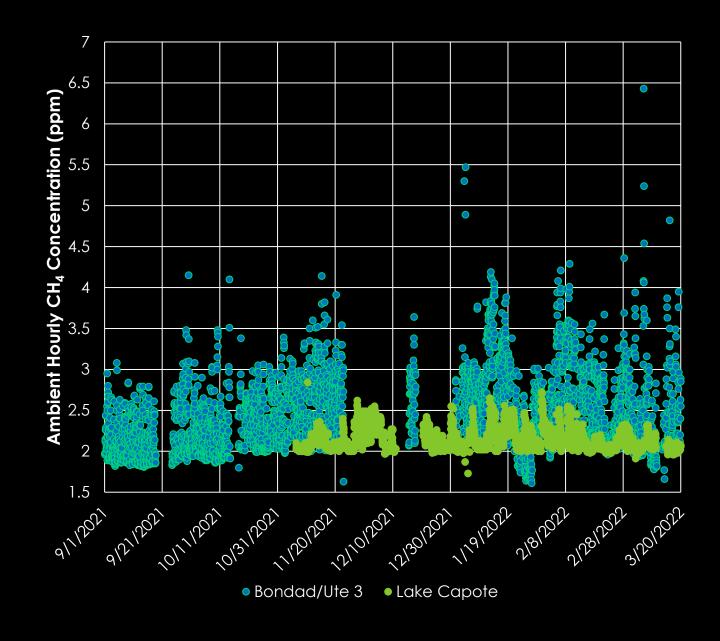
- The higher values in 2018 are from the 416 Fire
- Monitor installed at Ute 1 in 2021





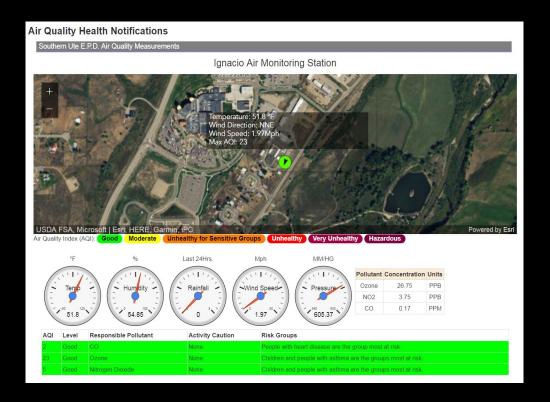
AMBIENT METHANE MONITORING UPDATE

- Ambient methane is measured at two locations:
 - Ute 3 air monitoring Station
 - Lake Capote air monitoring station.
- Ambient concentrations at both stations are measured using Thermo Scientific methane and nonmethane gas analyzers.
- Average Methane concentrations measured:
 - Bondad: 2.4 ppm
 - Lake Capote: 2.1 ppm



SOUTHERN UTE INDIAN RESERVATION REAL-TIME AQI AND WEATHER RESOURCES

Southern Ute Air Monitoring web page



US EPA's AirNow Web page: https://www.airnow.gov/

