



AAPCA Spring Meeting

May 1, 2025

ADEQ Overview

Our Mission and Vision

**To protect and enhance public health
and the environment in Arizona.**

- Through consistent, science-based environmental regulation; and clear, equitable engagement and communication;
- With integrity, respect, and the highest standards of effectiveness and efficiency;
- Because Arizonans treasure the unique environment of our state and its essential role in sustaining well-being and economic vitality, today and for future generations.



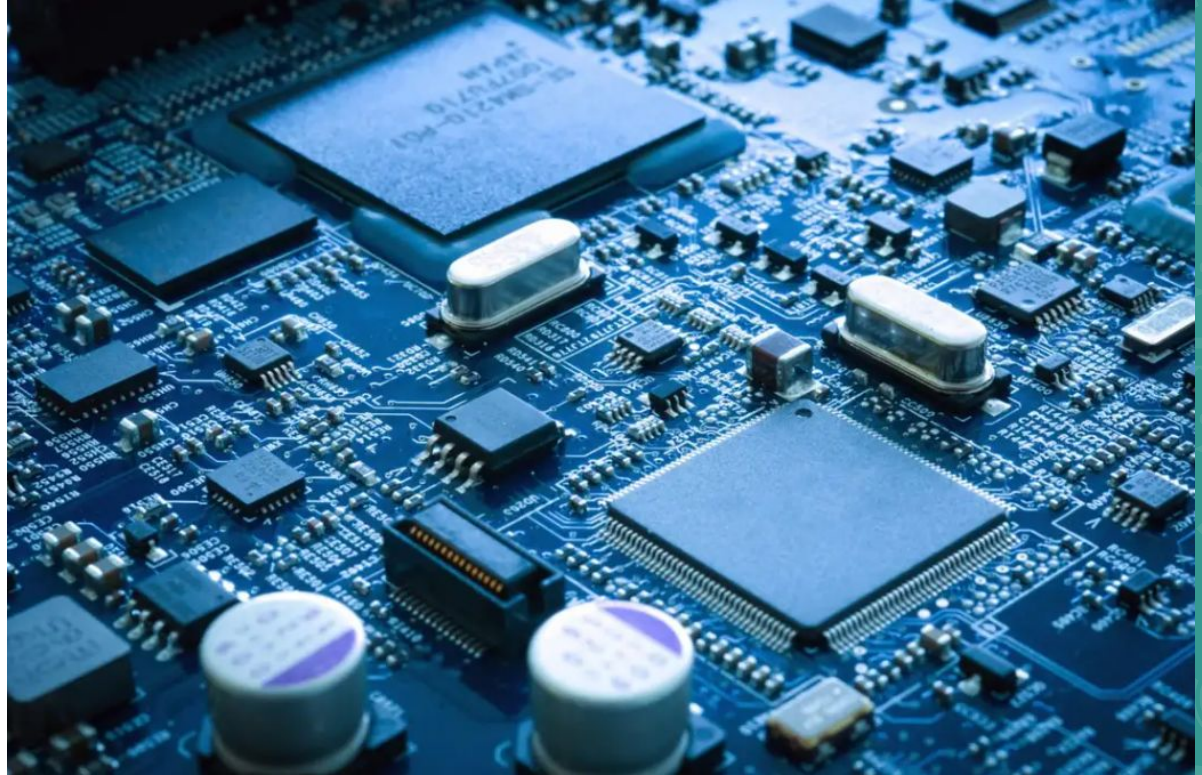
Five C's in Arizona

1. Copper
2. Climate
3. Citrus
4. Cattle
5. Cotton

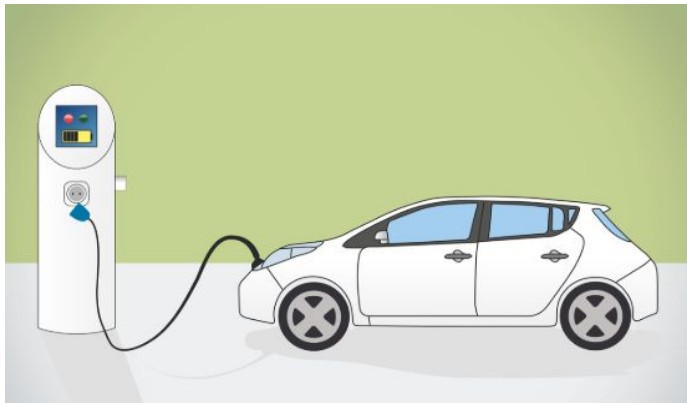


Five C's in Arizona

1. Copper
2. Climate
3. Citrus
4. Cattle
5. Cotton
6. *Chips*



Industrial Growth in Arizona



GLOR Project

The three **scope areas** of the plan include **air pollution measurements**, **emission inventory verification**, and **data analysis** and **model evaluation**.

Organizations

- AZDEQ
- ASU
- Sonoma Tech
- NASA JPL
- EPA
- Maricopa County
- Maricopa Association of Governments

Sites and Tools

- 7 sites, **March-October**
 - Automated gas chromatograph (Auto GCs) systems for measurement of C2-C12 (via C2-C6 and C6-C12 modules)
 - NO_y analyzers
 - NO_x analyzers
 - Other VOC monitoring
 - PANDORA
 - VOCUS Eiger
- 2 sites will have Small Mobile Ozone Lidar (SMOLs) **April-August**

Daniel Czecholinski Starts

Nonattainment Areas - Ozone



Nonattainment Areas - Particulate Matter



Nonattainment Areas - Sulfur Dioxide & Lead



Air Quality Regulatory Jurisdictions



22 Federally Recognized Tribes in Arizona



NATIVE PEOPLES OF ARIZONA COMPREHENSIVE MAP OF ARIZONA INDIAN RESERVATIONS

SOURCES:
American Indian Tribes and Communities in Arizona.
http://www.apa.gov/region/indian/tribes/AR/100040_3p.pdf
Arizona Tribal Lands and Reservations
http://www.apa.gov/region/indian/tribes/AR/100040_3p.pdf



Mexico Border Air Quality Issues



Regional Haze





Questions?

Karen Peters
Director

O: 602-771-6656

E: peters.karen@azdeq.gov

Daniel Czecholinski
Director of Air Quality Division

O: 602-771-4684

E: czecholinski.daniel@azdeq.gov