

Welcome to Air Quality Improvement Planning (AQIP) at Arizona Department of Environmental Quality

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Air Quality Division



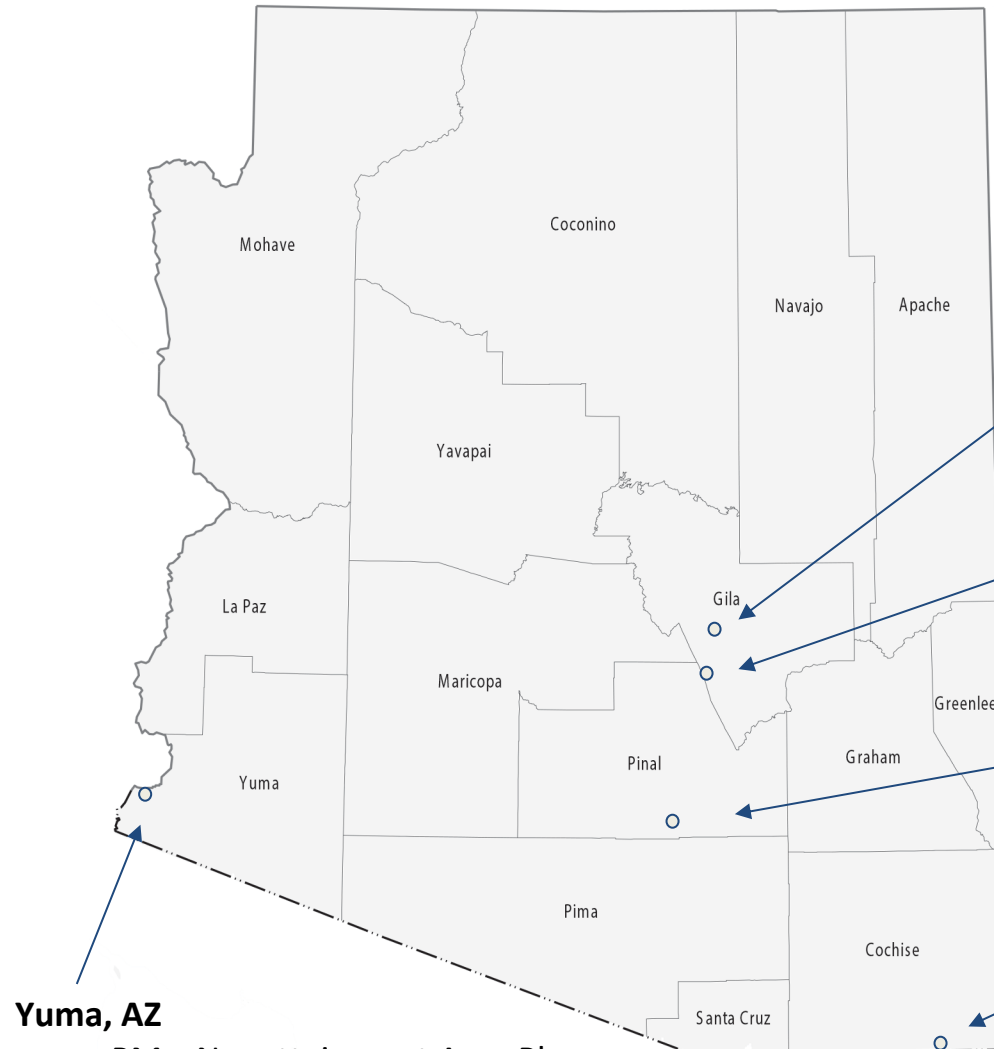
Clean Air, Safe Water,
Healthy Land for Everyone



The AQIP program consists of the following main elements that have a positive impact on air quality:

- Development of State Implementation Plans (SIPs)
- Emission inventories (development and QA work)
- Analysis and enforceability of control measures
- Air quality modeling
- Analysis of technical and policy questions related to local and federal air quality statutes and regulations
- Clean Air Initiatives

Current State Implementation Plan (SIP) Work



Yuma, AZ

- PM₁₀ Nonattainment Area Plan
- O₃ Maintenance Plan and Redesignation Request

Statewide

- Regional Haze Five Year Progress Report
- E15 Rules SIP Revision
- Forest and Range Management Burns SIP Revision

Miami, AZ

- SO₂ Nonattainment Area Plan

Hayden, AZ

- SO₂ Nonattainment Area Plan
- Pb Nonattainment Area Plan
- PM₁₀ Nonattainment Area Plan

Rillito, AZ

- PM₁₀ Nonattainment Area Plan

Douglas & Paul Spur, AZ

- PM₁₀ Nonattainment Area Plan
- PM₁₀ Maintenance Plan and Redesignation Request

SIP Work with Satellite Data Support

- Air Dispersion Modeling

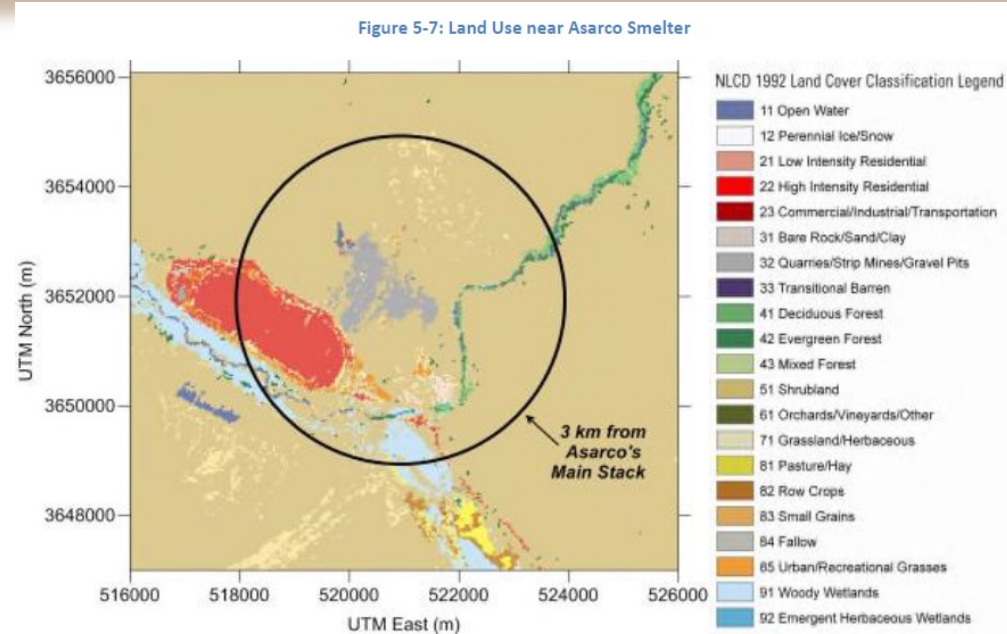
Land Cover



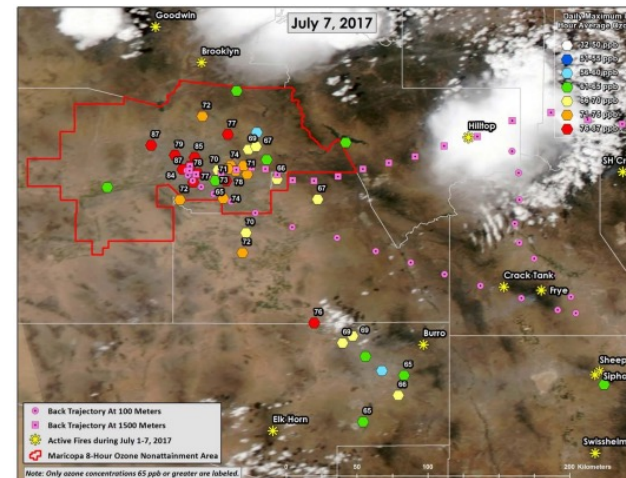
Urban/Rural Determination

- Exceptional Event Demonstration

- PM_{2.5}
- PM₁₀
- Ozone



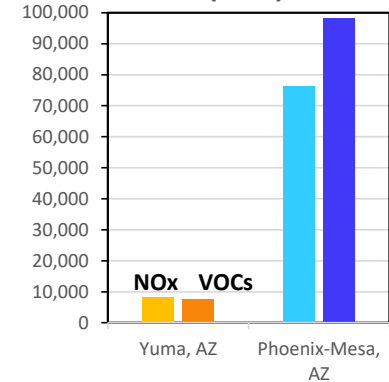
From: Hayden Pb SIP



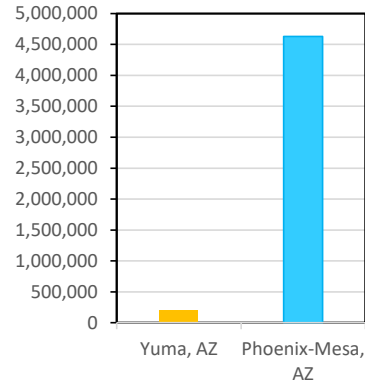
From: <https://worldview.earthdata.nasa.gov/>

Success Story: Yuma Case

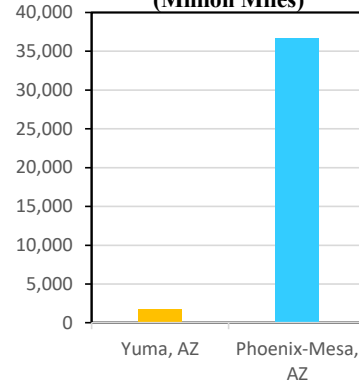
NO_x/VOCs Emissions in 2014 (tons)



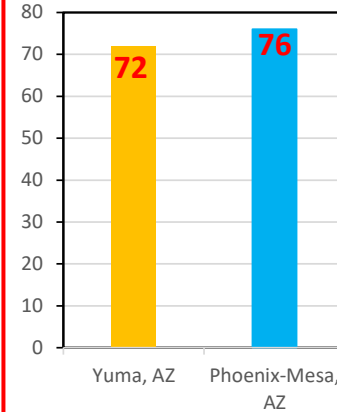
2015 Population



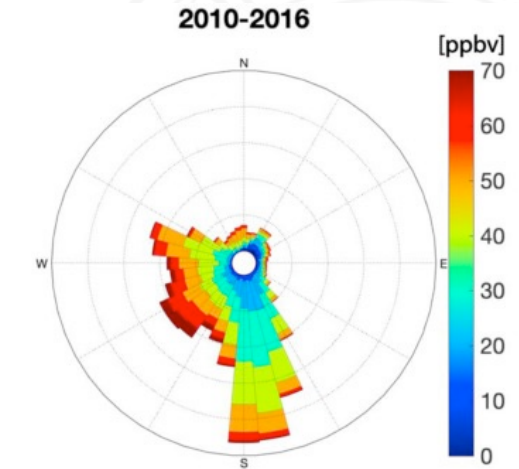
2014 Total VMT (Million Miles)



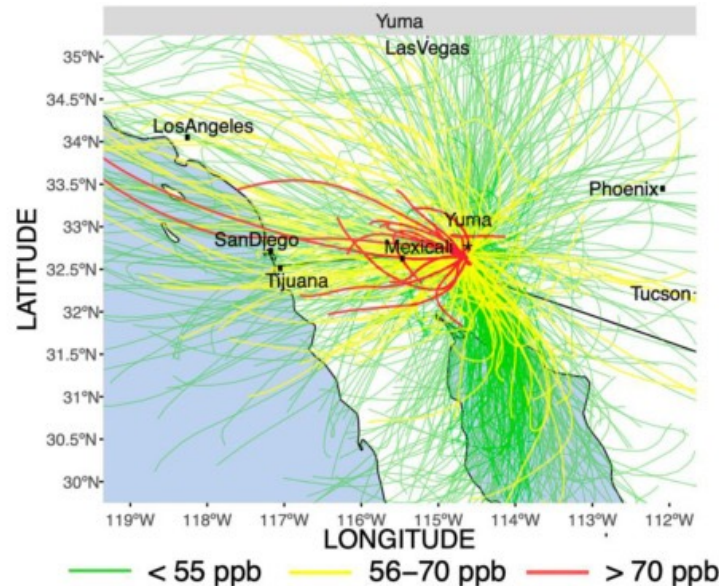
Design Values for 2017 Ozone (ppb)



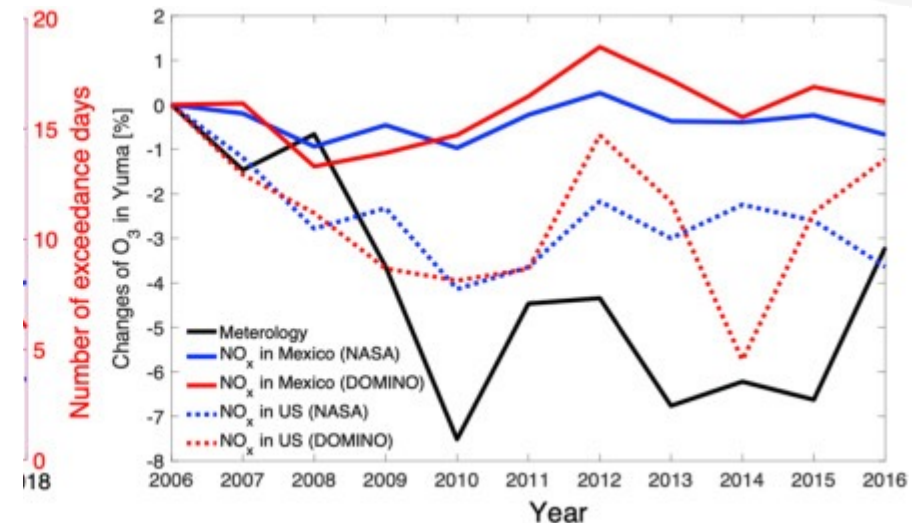
Wind Directions and O₃ Concentrations



STILT 24 h Back Trajectories for Yuma



Changes in Summertime O₃ in Yuma with NO_x Emissions



Thank You

Questions and Comments?

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