



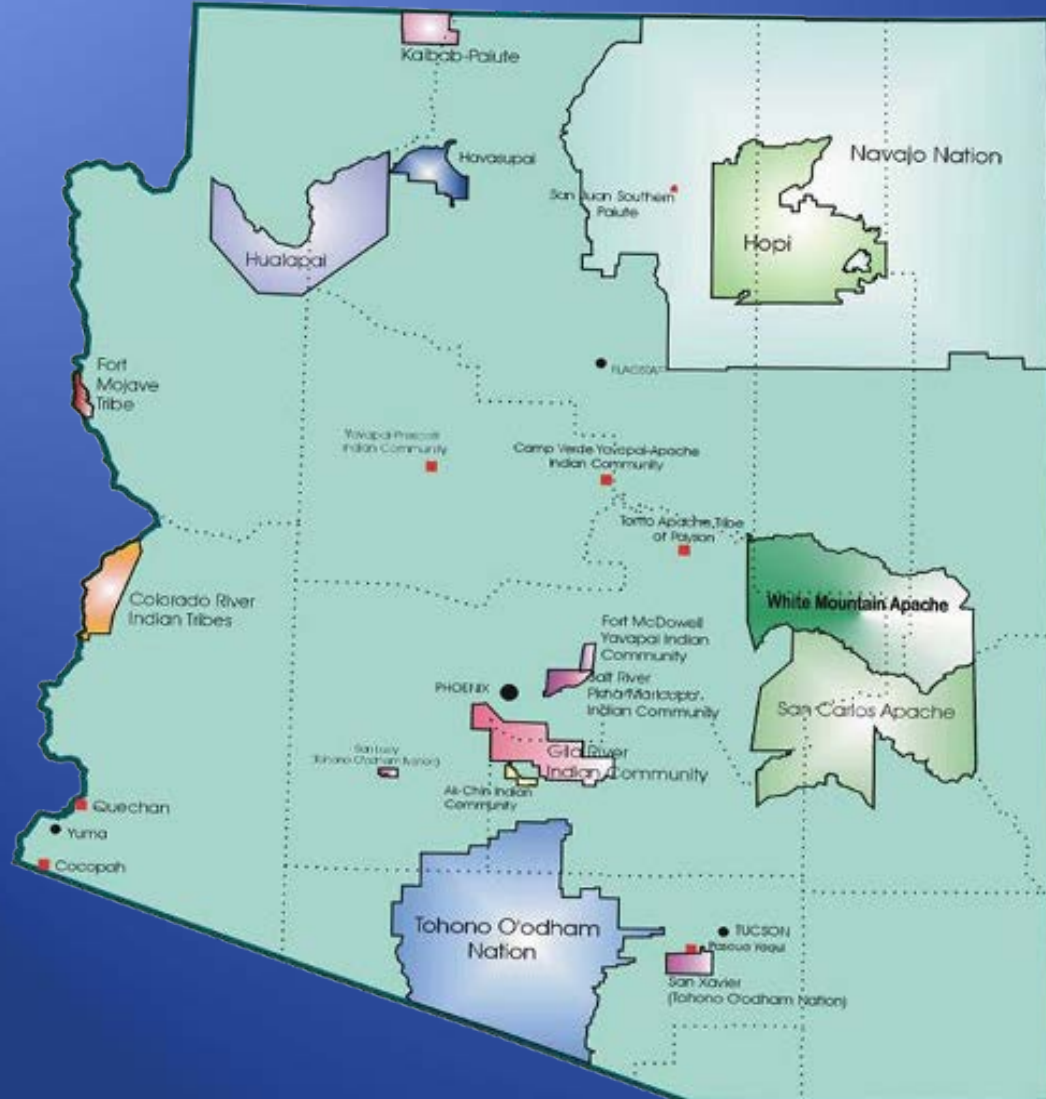
Gila River Indian Community

Renewable Energy Development Feasibility Study

Committed to a Cleaner, Safer and Healthier Community



Indian Reservations in Arizona

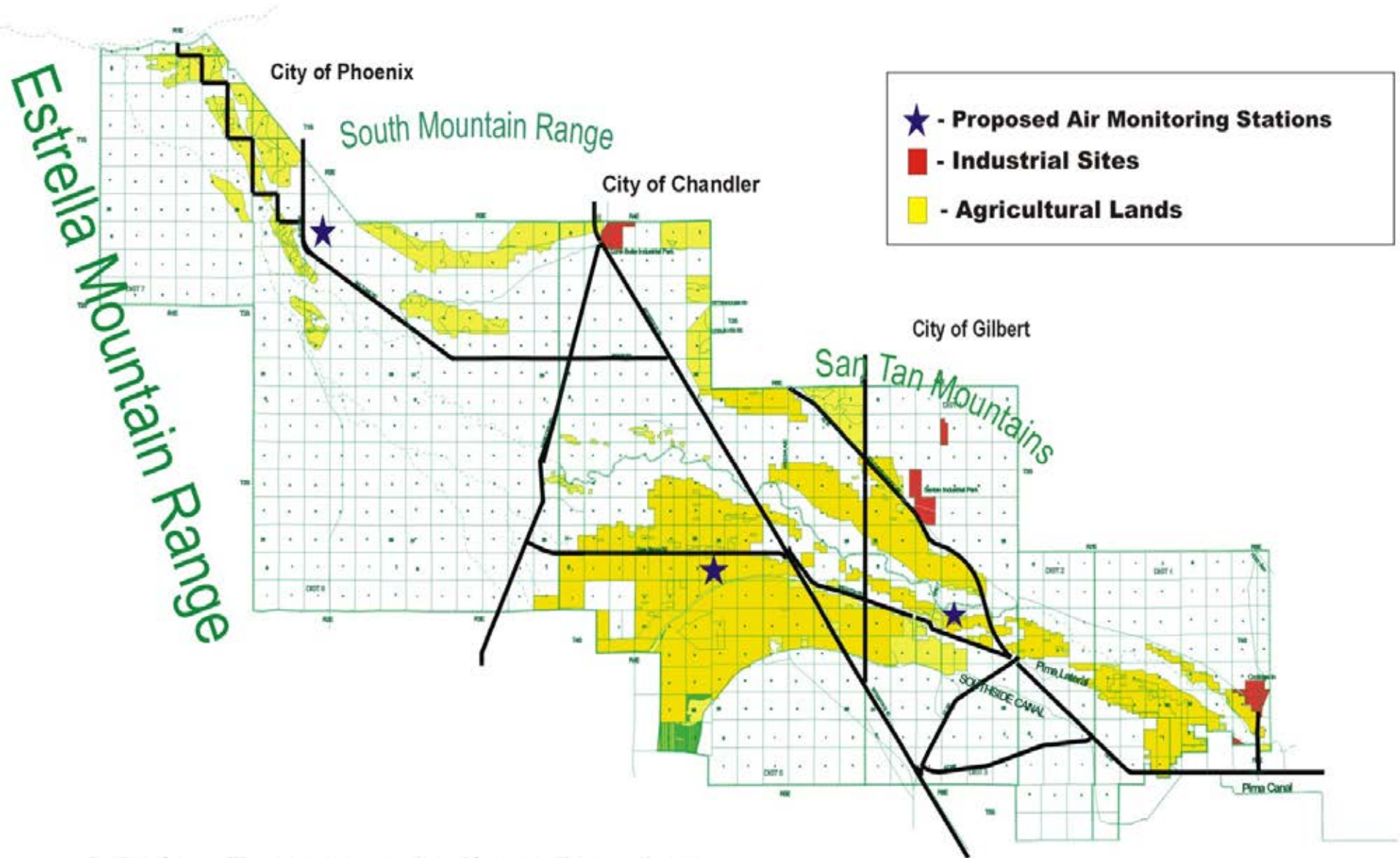




Gila River Indian Community

- **Central Arizona, adjacent to Phoenix**
- **Akimel O'odham (Pima) & Pee Posh (Maricopa)**
 - **Culturally an agricultural people**
- **Located in Maricopa & Pinal counties**
- **Established in 1859 by Executive Order**
- **374,000 acres (640 Square Miles)**
- **Population 23,000 members**
 - **Approx. 17,000 residing on GRIC**

Gila River Indian Community



Major Transportation Routes



Industrial Facilities

- **Three Industrial Parks, 55 Businesses & Industries**
 - **Medical waste treatment facility**
 - **Aluminum-extrusion plants (3)**
 - **Explosive manufacturer**
 - **Rock products plants (13)**





Industrial Facilities cont'd

- Cotton Gin & Delinting plant
- Agricultural chemical supply
- Turbine test facility
- Concrete block manufacturer
- Mobile home manufacturer
- Aerospace Aluminum extrusion facility
- Water treatment chemical manufacturer





Department of Environmental Quality Programs

- **25 Full Time Employees**
- **Air Program**
- **Waste Programs**
 - **Solid Waste**
 - **Hazardous Waste**
- **Pesticide Program**
- **Water Quality Program**





Other Functions

- **Chemical Tribal Emergency Response Commission**
- **Emergency Planning and Community Right to Know regulation**
- **Senior Planner and Policy Analyst**
- **Education and Outreach Coordinator**



Department of Environmental Quality

Mission: “Based on Community values, the Department of Environmental Quality will protect and enhance the health and the environment of the Gila River Indian Community. The Department of Environmental Quality will provide environmental leadership and mentor the next generation of environmental managers.”





Renewable Energy Development Feasibility Study

Renewable Energy Feasibility Grant

- **The Gila River Indian Community plans to conduct feasibility studies of potential renewable energy projects on it's lands .**
- **Tribe Developed a strategic Energy Plan to integrate with the Tribes overall planning and economic goals.**





Renewable Energy Development Feasibility Study

Feasibility Study to Evaluate the Technologies of Two Renewable Energy Types:

- Facility scale solar projects
- Biomass to energy projects





Renewable Energy Development Feasibility Study

Solar Energy Study

- Identify Potential Projects
- Evaluate Technology Options
- Evaluate Potential Project Sites
- Evaluate Transmission Access
- Estimate Project Costs
- Evaluate Initial Project Economics





Renewable Energy Development Feasibility Study

Biomass Study

- Identify Potential Project Sites
- Evaluate Technology Options
- Evaluate Plant Sizing
- Develop Wood Harvesting Plan
- Estimate Project Costs
- Economics Assessment





Renewable Energy Development Feasibility Study

**RFP was developed in cooperation with
the following Tribal entities;**

- **Department of Environmental Quality**
- **Renewable Energy Team**
- **Gila River Indian Community Utility
Authority**
- **Economic Development Department**
- **Tribal Projects Development**
- **Tribal Council**



Renewable Energy Development Feasibility Study

- RFP advertised for 4 weeks
- Only 3 proposals were received
- None of the proposals adequately addressed the scope of work outlined within the RFP



Renewable Energy Development Feasibility Study

Next Steps

- **Further refine scope of work outlined within original RFP.**
- **Re-advertise refined RFP.**
- **Ensure RFP reaches a larger target audience.**
- **Select proposal that best addresses RFP.**



Renewable Energy Development Feasibility Study

Next Steps (cont.)

- Selected Engineering firm will complete feasibility study.
- Review feasibility study with Tribal Council and Community.
- Collaborate with all Tribal stakeholders.
- Implement study results.

QUESTIONS?





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