



Pascua Yaqui Tribe

Energy Efficiency Action Plan

U.S. DEPARTMENT OF
ENERGY

Energy Efficiency &
Renewable Energy

Tribal Energy Program

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Overview

- About the Tribe
- Previous & current energy related projects
- Summary of energy efficiency project
- Current progress
- Next Steps

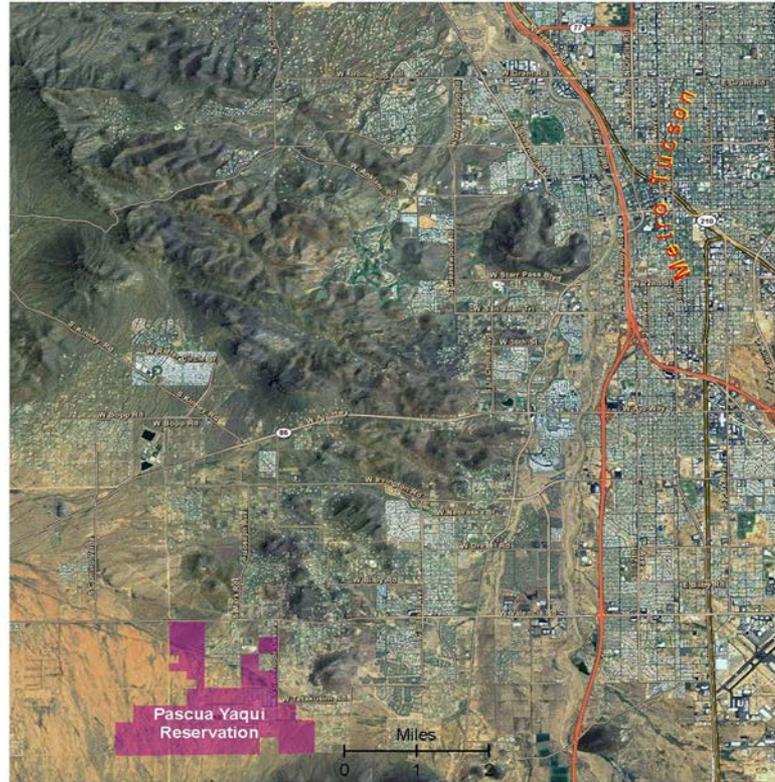
History

- In 1978, the Pascua Yaqui Tribe became federally recognized and in 1994 the designation was converted to that of a historical tribe. Today, Pascua Pueblo consists of 1,820 acres of trust land with an additional 436.18 acres of fee land surrounding the reservation.
- The Tribe also owns Tortuga Ranch, fee land of 6,455.59 acres west of Tucson.

Pascua Yaqui Tribe

- Reservation is located in Tucson, Arizona
- Reservation population approximately 4,000
- Total tribal enrollment 20,000

Pascua Yaqui Reservation



Vicinity Map



Previous Energy Projects

- **DOE Energy Efficiency Community Development Block Grant (EECDBG) 2008-2010:** Energy audit and retrofits
- **DOE, Strategic Technical Assistance Response Team (START) Grant, November 2012:** Development of a community energy plan
- **DOE Solar Feasibility & Deployment 2013:** Researched the viability of solar projects on and off reservation

Tribal Energy Plan

- Comprehensive energy plan to included the following in regards to future development:
 - Energy conservation
 - Alternative energy
 - Energy related building codes
 - Increase energy self-sufficiency

Solar Projects

- Currently on hold due to impediments created by the local utility provider seeking to change net-metering rates which would negatively impact the financial viability of the project.

Current Energy Projects

- **DOE Energy Efficiency Action Plan 2017:** An energy audit of government facilities & homes on the reservation
- **BIA Tribal Utility Authority Grant:** A study analyzing the viability of establishing a tribal utility.

Project Summary

- The Tribe will conduct energy audits on its major government buildings and up to 100 residential Reservation housing units to create the *Pascua Yaqui Energy Efficiency Action Plan*.
- This *Plan* will identify energy efficiency improvements for savings today and provide sound recommendations to the Tribe for incorporating energy efficiency in its future infrastructure planning.

Goals

- Immediate goal is to determine to what extent the Tribe can reduce its energy consumption through implementing energy efficiency measures (EEMs) identified by the energy audits.
- Long term goal is to become energy self-sufficient and in control of its own energy cost structure and future.
- Pascua Yaqui seeks to reduce energy consumption and energy costs, to reduce carbon emissions and to be good stewards of the natural environment.

Government Buildings

- Casino del Sol
- Casino of the Sun
- Justice Center
- Education Building
- Tribal Administration
- Health Clinic
- Wellness Center



Casino of the Sun



Casino del Sol



Residential Energy Audits

- Approximately 100 residential rental units will be included in the audit.



Progress to Date

- Upon notice of award the working group consisting of staff members from the Attorney Generals Office, Facilities Management, Housing and Grant Administration met and began to prepare the development of an RFP.
- To date we have posted the RFP for an Energy Auditor(s) for both commercial and residential audits.
- Bids have been received and a contractor will be selected for recommendation from the team this month.

Project Plan & Next Steps

- Task 1: Hire Energy Auditor
- Task 2: Collect Baseline Data & Conduct Energy Audits of Selected Tribal Buildings
- Task 3: Development of the Pascua Yaqui Tribe Energy Efficiency Action Plan
- Task 4: Complete Pascua Yaqui Tribal Energy Efficiency Action Plan (Final Report)



Acknowledgments

- Thank you to DOE for providing the resources to make this project possible.

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Questions?

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