San Carlos Apache Tribe


Burden Basket
San Carlos Apache Mission Statement

The Apache People will live a balanced life in harmony with spirituality, culture, language, and family unity in an ever-changing world.

The Apache People shall create a strategic framework for our tribe to grow and prosper.
The Tribe and Reservation

• 90 miles east of Phoenix.
• 2,400’ to 8,300’+.
• 1.83 million acres.
• 800,000+ acres wooded/forested.
• 1M ac. riparian/grasslands/desert.
• Rivers - Salt, Gila, Black, San Carlos.
Reservation Boundary
• Operate utilities - water/sewer, telecommunications.
• Power - 100% purchased, 98% non-renewable, retail rates 2X+ Nat’l average.
• 4 power providers – SCIP (BIA), APS, Graham County Coop, Salt River Project.
• Small hydro & commercial (Coolidge Dam) hydropower potential.
• Excellent solar and geothermal potential.
• Economy - government, ranching, farming, forestry, gemstones, traditional arts, outdoor recreation, gaming, hunting/fishing.

• 14,600 enrolled Tribal members.

• 11,700 resident Tribal members.

• Communities - San Carlos, Bylas, Peridot.

• Cutter - Casino/Resort, airport, sawmill.

• 500+ “rural” residents.
• Source of 90% of world’s peridot gemstones.
• Salt River Canyon – “mini Grand Canyon”.
• One of largest populations of lesser willow flycatchers (federally endangered species).
• San Carlos Lake – 4th largest in Arizona (not this year – drought!), recreation, maybe hydropower again someday!
2008 – 2011 Energy Program Review

San Carlos Lake @ Low Water
2008 - 2011 Energy Initiatives

- 2008: Energy goals in Tribal Strategic Plan.
- 2009: EECBG for long-range energy strategy, energy audits, “pilot” building solar PV.
- 2010: Trained & hired Tribal staff energy auditors.
- 2010-11: Conducted building energy audits.
- 2010: San Carlos Tribal Energy Summit.
- 2011: 2nd Tribal Energy Summit.

JOIN US! December 12-13
2012 Initiatives

- Install “pilot” building solar.
- Complete Energy Organization Analysis.
- Establish Tribal Energy Organization (EO).
- Conduct commercial-grade solar study.
- Adopt building codes.
- Fund weatherization/energy efficiency upgrades.
- Conduct energy consumption & GHG emissions inventory/projections.
- 3rd Tribal Energy Summit.
- Ongoing technical assistance (Parametrix).
FUTURE Energy Strategy Initiatives

- Building weatherization & energy efficiency upgrades.
- Geothermal & biomass investigations.
- Transportation & recycling initiatives.
- Community & commercial-grade solar.
- GHG reduction programs & projects.
- Form energy utility or coop (subject to EOA)
- Conduct electrical transmission study.
- Study re-commissioning Coolidge Dam.
Energy Organization (EO) Analysis

Our first hydropower operators!

Coolidge Dam circa 1930’s
Potential EO Responsibilities

• Support energy policies & programs.
• Manage energy projects.
• Implement the 2011 Energy Strategy.
• Meet key energy benchmarks & goals.
• Secure capital & operational funding.
• Provide outreach, training & education.
• Spur Tribal “green” economic development.
• Develop Tribal energy sector expertise.
• Meet both near- and long-term needs
Possible EO Options

- Ad-hoc (case-by-case project assignment)
- Government Office/Department
- Joint Venture
- Tribal Enterprise
- Utility Authority
- Energy Service Company (ESCO)
- Cooperative

Analysis will include: forms of incorporation; combined multiple options; and near- and long-term phasing.
Option Evaluation Process

• Draft rating criteria by Parametrix .... .... in consultation with Tribal Planning.
• Refinement by oversight committee (Tribal officials, enterprise managers).
• Work sessions with 2011 Energy Summit participants.
• Consolidate outcomes.
• Recommendations to Tribal Council.
• Detailed work/implementation plan.
EO Evaluation Criteria

The evaluation will rate 4 - 8 parameters for each different form of EO in each of 5 areas:

- Sovereignty/Self-sufficiency
- Economic Development/Financial Stability
- Cultural & Social Values
- Environmental Values & Impacts
- 2011 Energy Strategy Consistency

NOTE: All criteria are DRAFT and subject to further review.
EO Analysis - Next Steps

• Finish EO options evaluation.
• Select preferred EO option(s)/phases.
• Develop Year 1 EO work plan.
• Formally establish the preferred EO.
• Launch/implement EO – staff & interns.
• Conduct outreach on EO plans & purposes.
Contact Us

Come to the
Arizona Tribal Energy Summit
December 12-13, 2011
Apache Gold Casino/Resort
San Carlos, Arizona

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