MAP Phase II & Strategic Energy Plan Development
Agua Caliente Band of Cahuilla Indians
MAP PHASE II/STRATEGIC ENERGY PLAN DEVELOPMENT GOALS

• Perform Market and Economic Analysis of the Promising Renewable Technologies Determined from MAP Phase I
• Conduct Initial Feasibility of the Renewable Resources and Develop an Initial Project Development Template
• Incorporate Promising Renewable Technologies into an Overall Strategic Energy Plan for the Tribe
GOAL #1 –

Perform Market and Economic Analysis of the Promising Renewable Technologies Determined from MAP Phase I

- The Promising Renewable Sources Were Determined to be – Wind & Solar Energies
- Unsolicited Development Proposals to the Tribe Allowed for Close Examination of Tribal/Economic Value
- Approached Tribal Council With Initial Findings....
GOAL #1 —
Perform Market and Economic Analysis of the Promising Renewable Technologies (Wind/Solar) from MAP Phase I

- Tribal Council Determines – Enough Windmills Already!
- Analyze the Possibility of Solar Energy
GOAL #2 –
Conduct Initial Feasibility of the Renewable Resources and Develop an Initial Project Development Template

• Feasibility of Solar Energy Studied and Indian Canyon Trading Post Identified as Phase I Location for Photovoltaic Installation.
• Trading Post Currently Not Connected to Power Grid and Use of Propane Generator is Noisy and Fossil Fuel Costs are Unstable/Unpredictable

• Initial Feasibility Study Completed, but Overriding Question is: “What is the Overall Energy Goal of the Tribe?”
GOAL #3 –
Incorporate Promising Renewable Technologies into an Overall Strategic Energy Plan for the Tribe

STRATEGIC ENERGY PLAN DEVELOPMENT
STRATEGIC ENERGY PLAN

GOALS

• Create a Vision for the Energy Future of the Tribe
• Develop an Energy Use Profile
• Identify Viable Energy Options
• Evaluate and Select Best Energy Options
An Energy Vision Statement was formulated on the basis of staff guidance and previous discussion with Tribal Council. The Vision Statement conveys:

- The Tribal Mission Statement
- Energy Vision
- Strategic Energy Goals
- Near Term Energy Objectives

The Vision Statement is intended to provide high level, enduring policy guidance.
BEST FIT ENERGY OPTIONS
SELECTION PROCESS

• Energy Vision guided initial selection of over 60 options
• Screening process utilized agreed-upon “filters” to narrow options down to 28
• First-cut energy options screened down to 14 best-fit alternatives
• Evaluation & selection process utilized scoring/weighting methodology and Tribal Staff confirmation
Final Recommendations

• **Actions for Near Term Initiation/Execution**
  – Form a “Scalable” Utility Organization
  – Integrate WAPA Allocation into Energy Planning
  – Pursue Energy Management Goals
  – Continue Analysis of Renewable Energy Generation Opportunities (MAP Phase II)

• **Actions for Further Study/Longer-Term Initiation**
  – Develop and Adopt Energy Efficiency Building Codes
  – Pursue ROW Documentation and Assessment

• **Actions for Continued/Future Monitoring**
  – Monitor Energy Technology Investment Opportunities
The Agua Caliente Band of Cahuilla Indians would like to thank the following entities for their invaluable assistance: