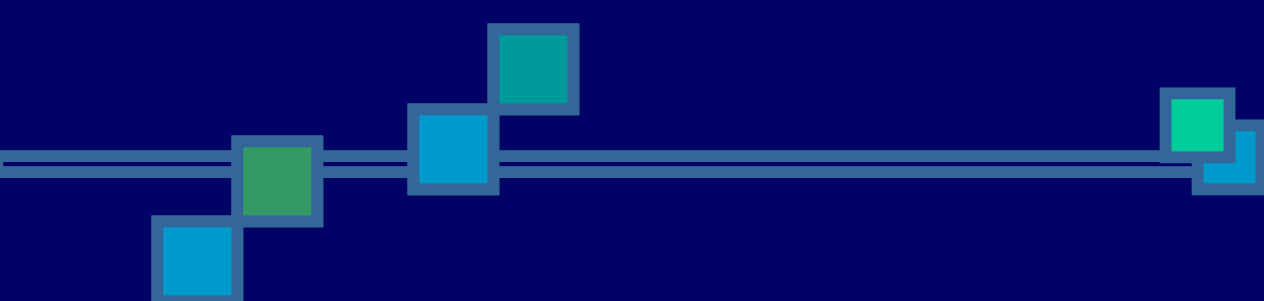


Cabazon Band of Mission Indians Strategic Energy Plan Presentation



Prepared by
Philip Rentz



Developed for the
Cabazon Band of Mission Indians
(CBMI)

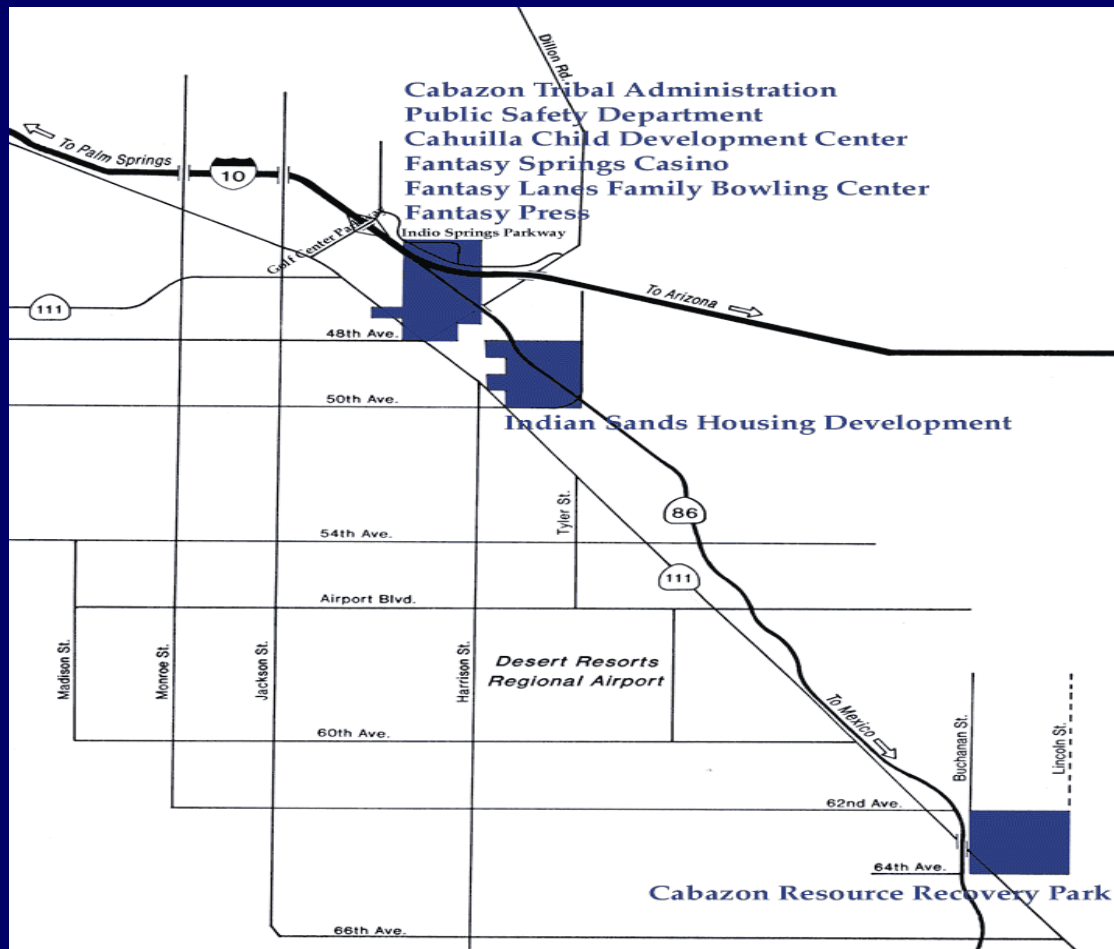
In Cooperation With The
Department of Energy



Site Location Maps



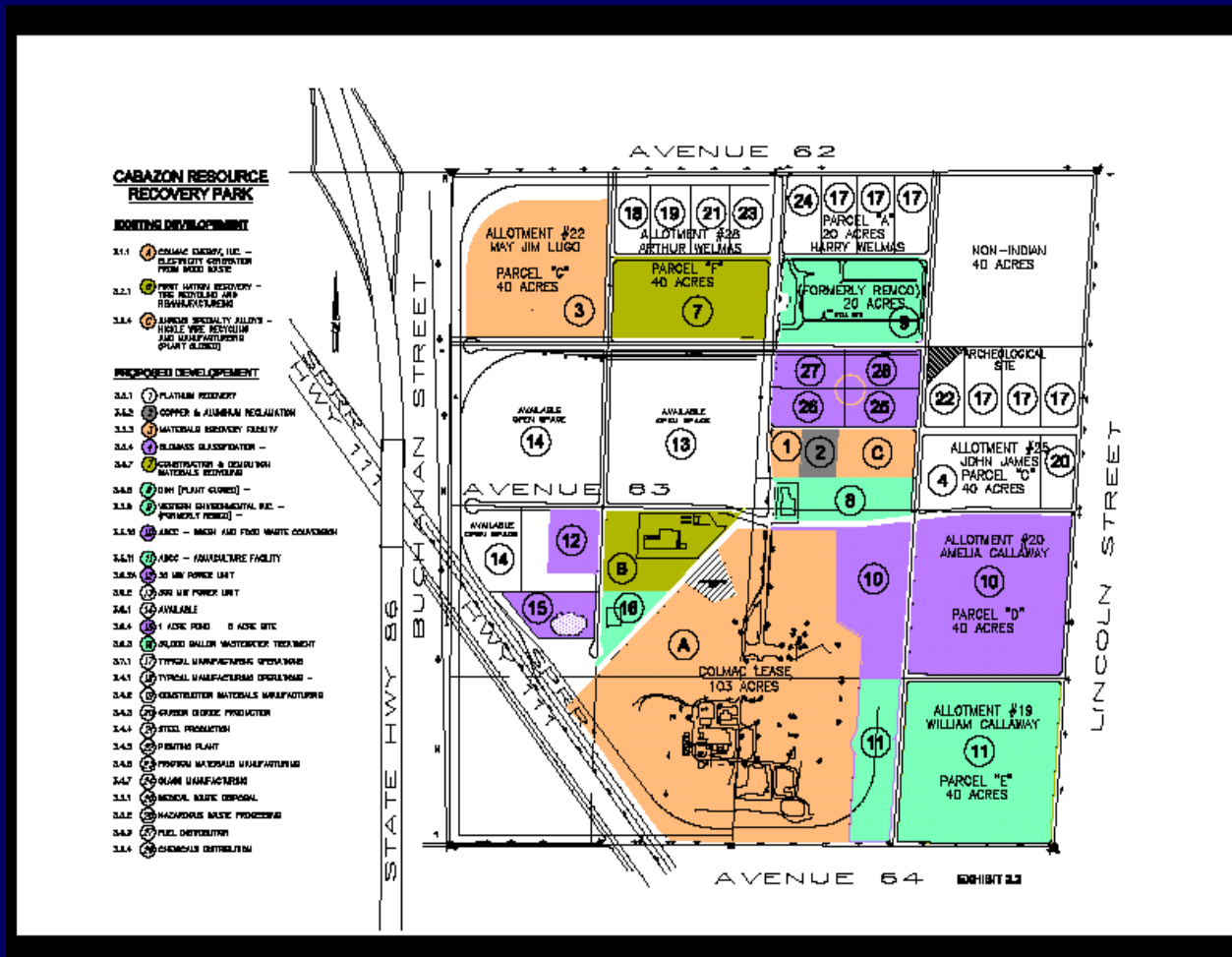
Tribal Land



Fantasy Springs Resort and Casino

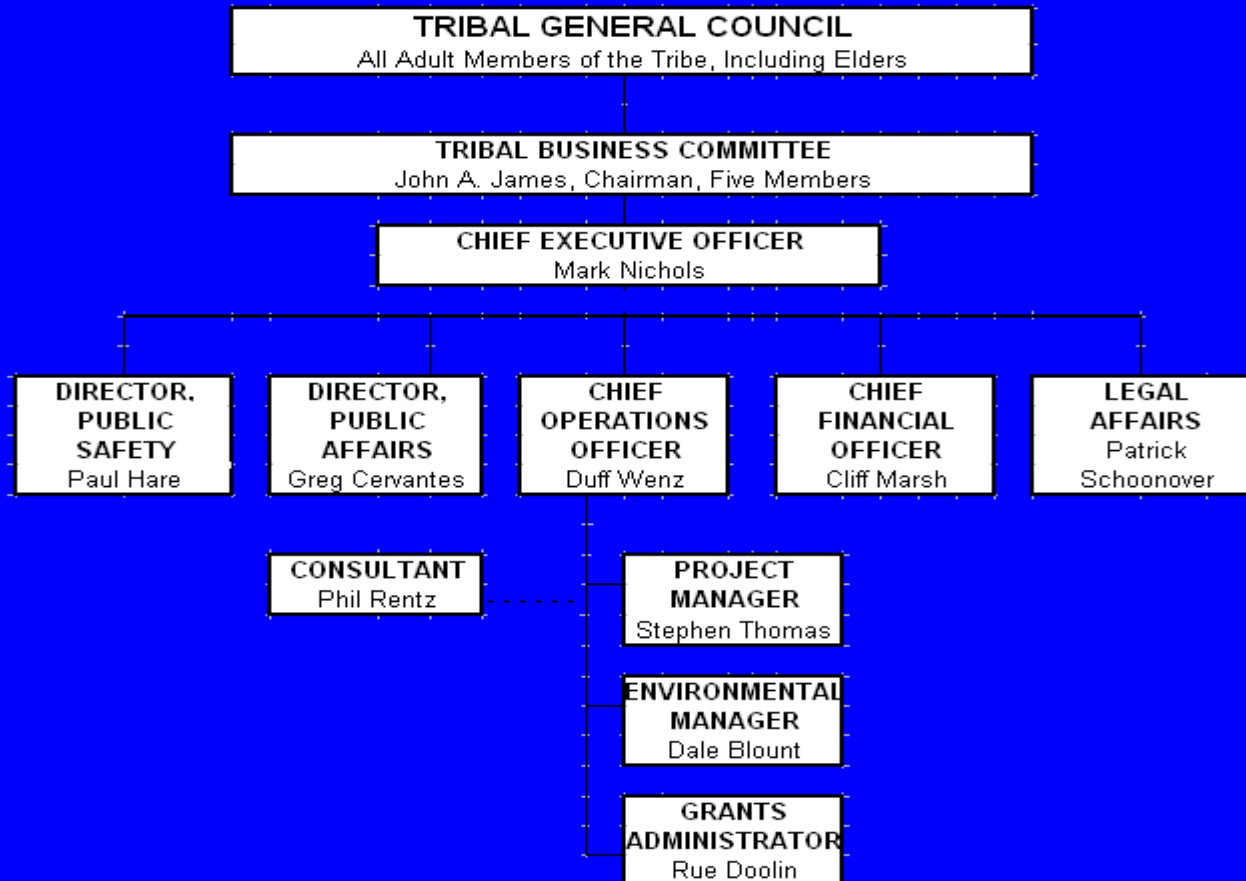


Cabazon Resource Recovery Park



Organizational Chart


CABAZON BAND OF MISSION INDIANS





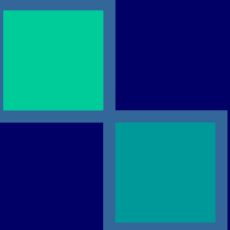
Vision Statement

The primary objective of the Strategic energy Plan is to aide in the social and economic development of CBMI through:


- education on energy matters,
 - energy conservation; and
 - development of cost effective sources of energy.
- 



Mission Statement




The Strategic Energy Plan is to serve as the central and most important element in creating and conducting an effective energy management program for the Cabazon Reservation.



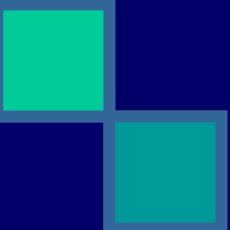



Today's Situation

- Over the past 15 years the Tribe has pulled itself out of abject poverty.
 - Today the Tribe owns several small businesses and is pursuing several new business ventures.
- 




Goal and Objective

- 
- Review and identification of energy options
 - Develop and implement a comprehensive Strategic Energy Plan
- 



Plan Outline

- The Strategic Energy Plan provides the Cabazon Band of Mission Indians with:
 - Current status of energy supply, usage, and cost;
 - Projected energy requirements;
 - Identification of and guidelines for development of long-term, cost effective sources of energy;
 - Short-term and long-term tribal administration and organizational strategies; and.
 - Identification of opportunities and programs for training tribal members and staff for energy systems administration, operation, and maintenance.
- 




Background Data

- **High cost of purchased energy**
 - **Growing energy usage**
- 



Current status of energy supply, usage, and cost

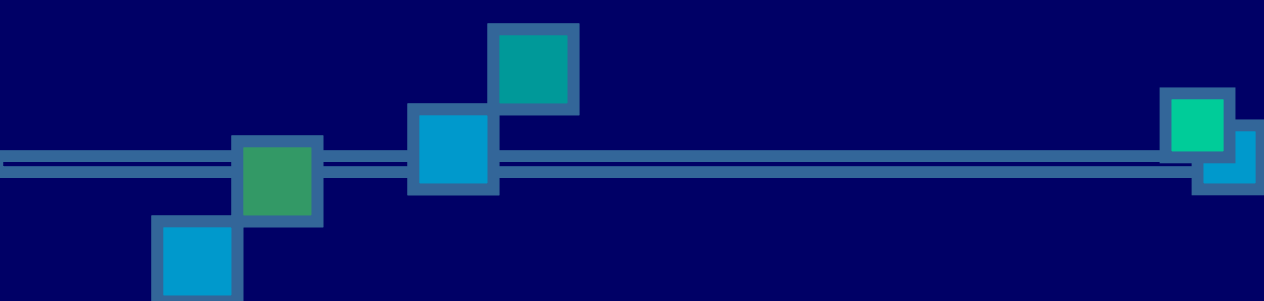
In the year starting in October 2002 through September 2003, CBMI paid IID for 14,112 MWH of electrical energy at a cost of \$1,408,506.






Projected Energy Requirements

- **It is estimated that CBMI's annual power bill will be, approximately, 39,000MWH at a cost of \$3,893,000 upon completion of Phase 1 of the FSRC Project.**
- **Upon completion of the remaining, planned phases of the FSRC Project, the annual power bill for CBMI will be, approximately, 70,200 MWH at an annual cost of \$7,007,000.**




Long-term, cost effective sources of energy

- **Energy Market Study**
 - **Energy Management Program**
 - **Metering and Service Options**
 - **Alternate Energy Service Providers**
 - **On-Site Construction of Energy Sources**
 - **Financing**
- 




Energy Market Study by Navigant Consulting Inc.

- **Market price for electricity will reduce to 4 cents/kWh by 2007 and rise thereafter;**
 - **A new combined cycle 50MW plant would have a positive net revenues;**
 - **Additional income might be obtained from market capacity revenues**
- 

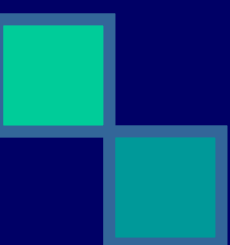


Energy Management Program


- **An overall energy conservation program.**
 - **A positive, action program that assigns the responsibilities.**
 - **Includes program planning guidance, performance, and reporting and monitoring.**
- 




Metering and Service Options

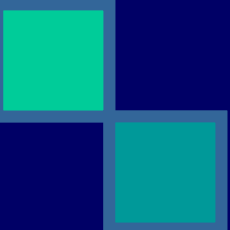


The Surveys to be conducted under the Energy Management Program should include a review of savings that might be realized through adjustments in local utility metering and services options.






Alternative Energy Service Providers




A major goal of the Strategic Energy Plan is to reduce costs of electricity through procurement of lower cost power.



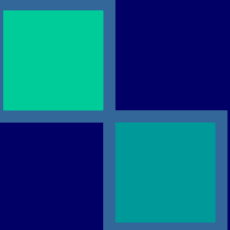


On-Site Construction of Energy Sources


- **Construction of a conventional, natural gas fired, power plant should be pursued at this time**
 - **Solar and Biomass energy options may be pursued in the future when time and funding permit**
- 



Financing




Various forms of financial structures, financing costs, taxes, grants, loans, rebates, and desired rates of return were reviewed for the Plan recommendations





Tribal Utility


It is recommended that CBMI implement a Power Utility to:

- **Purchase and/or generate power**
 - **Distribute power on Tribal Lands and**
 - **Sell any excess on the power grid**
- 




Training Opportunities

Recommendations were reviewed to:

- **Identify related roles for tribal administration and organizations;**
 - **Identify opportunities for training tribal members and personnel for energy administration, operation and maintenance.**
- 



Status

- **Completed Market Study**
 - **Developed an Energy Management Plan outline and submitted Board Resolution for consideration.**
 - **Developed a Request For Proposals (RFP) for Energy Services.**
 - **Developed RFP's for conventional and renewable sources of Power Generation.**
 - **Developed a Tribal Utility Charter and submitted Board Resolution for consideration.**
- 



QUESTIONS



Thank You