



Assistant Secretary-  
Indian Affairs  
Office of Indian  
Energy and Economic  
Development



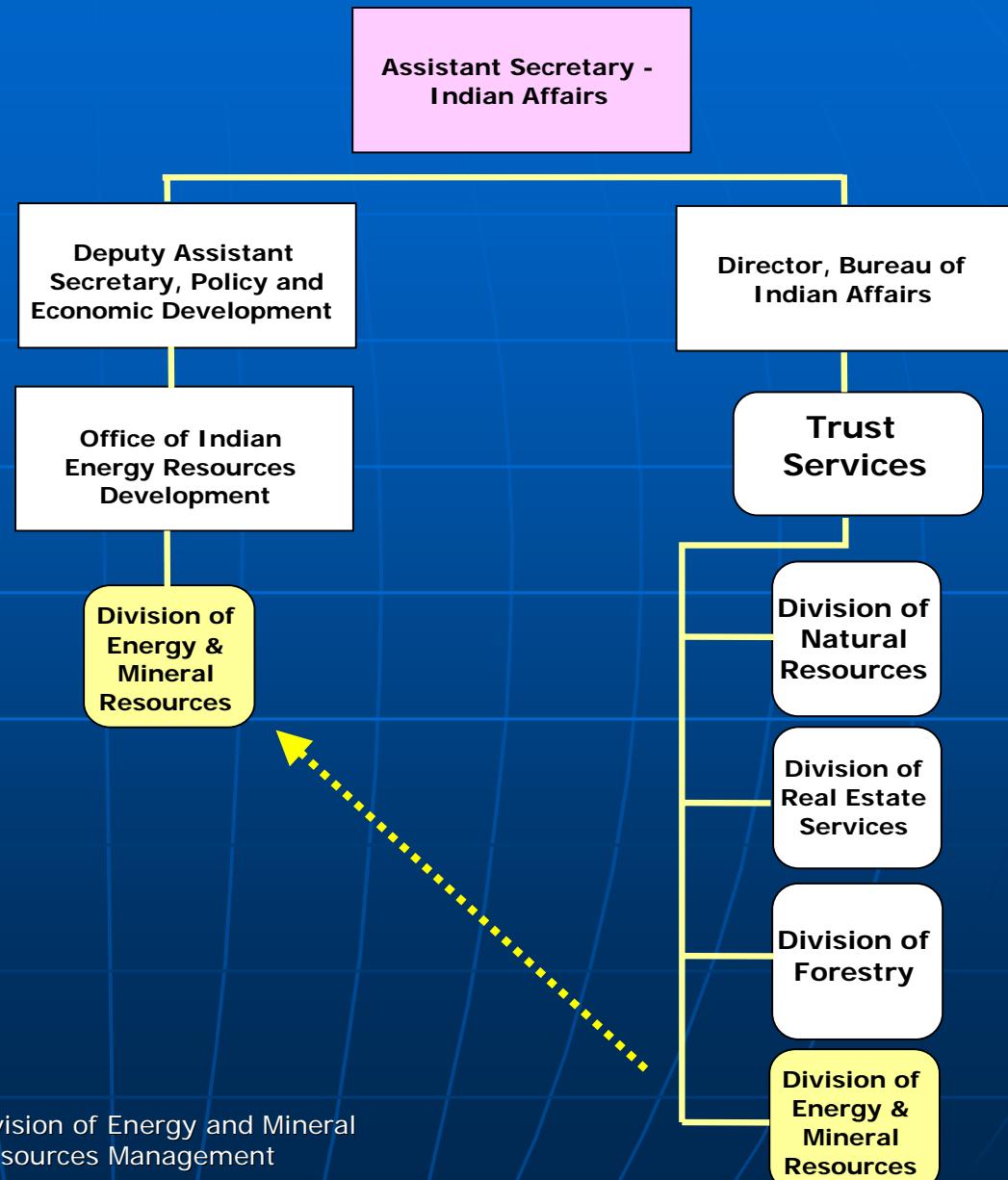
# Division of Energy and Mineral Resources Management

# Realignment of the Division to the Office of Policy and Economic Development

Prior to April 14, 2005, the Division was under the Office of Trust Services.

The Division now reports to a newly formed office – the Office of Indian Energy Resources and Economic Development

BIA - Division of Energy and Mineral Resources Management



# The Division of Energy and Mineral Resources Management (DEMRM) is responsible for:

- developing effective energy and mineral development strategies.
- providing the best possible technical, engineering and economic advice to Indian landowners seeking to manage and develop their energy and mineral resources
- managing Indian energy and mineral data.



Division of Energy and Mineral  
Resources Management  
**PROGRAM FUNCTIONS**

Department of the Interior  
Bureau of Indian Affairs  
Office of Trust Responsibilities



Technical Services  
**[Core Functions]**

IMDA Leases

Drainage &  
Diligence

Geoscience  
Support

Mineral  
Assessment

NIEMR

NISES

NIOGEMS

NAEMI

Out Reach  
E-Commerce

National Energy  
Policy

Legislative Review

Congressional  
Correspondence

Trust Asset  
Management  
**[Technical Services  
to Tribes]**

Policy and Legislative  
**[Core Functions]**

ENERGY

NON-RENEWABLE

OIL & GAS

COAL

URANIUM

RENEWABLE

BIO MASS

WIND

SOLAR

GEOTHERMAL

HYDROELECTRIC

MINERAL

INDUSTRIAL

AGGREGATE

CLAYS

GEMSTONES

PRECIOUS METALS

BASE METALS

Royalties from  
American Indian Leases  
(For Fiscal Year 2000 Only)

Gas

Coal

Oil



# Indian Mineral Development Act

(25 U.S.C. §§ 2101-2108)

- Tribes may enter into any joint venture, operating, production sharing, service, managerial, lease or other agreement.
- Agreements may be entered into for the exploration, extraction, processing, or other development of oil, gas, uranium, coal, geothermal, or other energy or non-energy mineral resources.
- The '82 Act eliminated any restrictions as to the form of agreement and left all aspects of the agreement open to negotiation.
- Currently, the trend is for all new agreements to be IMDA agreements.

# Mineral Assessment Program

BIA - Division of  
Resources Management



- Provide economic evaluations of energy and mineral resources to Indian mineral owners as requested.
- Provide studies on the current and projected energy and mineral market conditions.
- Provide expert technical advice in geology, mining engineering, renewable energy resource assessments, design and engineering, petroleum engineering, geophysics to Indian mineral owners.
- Provide expert technical advice to the Indian mineral owners on IMDA agreements.



## United States Department of the Interior

OFFICE OF THE SECRETARY  
Washington, DC 20240

IN REPLY REFER TO  
Division of Energy and Mineral  
Resources Management

June 22, 2005

Dear Tribal Elected Official:

The Division of Energy and Mineral Resources Management (DEMRM) is now soliciting requests from Tribes for Mineral Assessment Program (MAP) proposals for the 2006 fiscal year. The deadline for submitting a proposal will be **Thursday, December 1, 2005**. On or before that date, the Tribe must submit an administratively complete mineral assessment proposal to the Agency and Regional office, while concurrently transmitting a copy to the Division of Energy and Mineral Resources Management office at:

Bureau of Indian Affairs  
Attn: Mineral Assessment Program  
12136 West Bayaud Ave., Suite 300  
Lakewood, Colorado 80228

Please be aware that the distribution of funds for awarded proposals is conditional on the Division of Energy and Mineral Resources Management office receiving their 2006 operating budget. We are asking for proposals now so that tribes have ample time to prepare their requests, or to request technical assistance from DEMRM staff in preparing their mineral assessment proposals for funding consideration.

All requests should conform to the guidelines established in the following: *Procedures for Writing a Mineral Assessment Proposal (revised, June 2005)*.

### TRUST LAND STATUS

Please be informed that mineral assessment funding can only be made available to Tribes whose lands are held in trust or restricted fee by the Federal government. Congress has appropriated these funds for mineral assessment contracts to assess mineral potential only on Indian trust or restricted fee lands.

DEMRM does not keep records of land status and ownership, as BIA realty offices normally perform these functions. We expect each Tribe to know the status of their lands and adhere to the restrictions of the MAP as stated in the procedures manual. We must also rely on assistance from BIA Agency and Regional Offices for verification of such trust land status.

### TECHNICAL ASSISTANCE

Tribes who wish technical assistance in preparing their proposals should contact the DEMRM immediately in order to allow staff appropriate time to schedule man-hours and other technical



**U.S. Department of the Interior  
OFFICE OF THE ASSISTANT SECRETARY – INDIAN AFFAIRS**

## **MINERAL ASSESSMENT PROGRAM (MAP)**

### **Procedures for Writing A Mineral Assessment Proposal**

*REVISED - JUNE 2005*

#### **ISSUING OFFICE:**

U.S. DEPARTMENT OF INTERIOR  
OFFICE OF THE ASSISTANT SECRETARY – INDIAN AFFAIRS  
OFFICE OF INDIAN ENERGY RESOURCE DEVELOPMENT  
Division of Energy and Mineral Resources Management  
12136 W, Bayaud Avenue, Suite 300  
Lakewood, Colorado  
(303) 969-5270

# OUTREACH GOALS

- Identify Indian Tribes that are interested in considering a mineral proposal.
- Publish technical data on energy and mineral resources on Indian Trust Lands.
- Discuss the positive effects of doing business on Indian lands.
- Establish ground rules for mineral proposals and negotiations.
- Provide a neutral environment for both the tribe and companies to interact.

# DEMRM provides opportunities for Tribes to attract industry interested in developing energy and mineral resources on their lands.



OFFER TO DEVELOP UP TO 500,000 ACRES OF WILLISTON BASIN OIL AND GAS LANDS

FORT BERTHOLD INDIAN RESERVATION, NORTH DAKOTA  
Three Affiliated Tribes (Mandan, Hidatsa, Arikara)

Contents

[Prologue by Chairman Tex Hall](#)  
[Overview](#)  
[Terms of Proposal](#)  
[Land](#)  
[Production Summary](#)  
[Economics](#)  
[Geology Overview - Play Types](#)  
[Geophysical Data](#)



Tribal Government and Members of the Fort Berthold Indian Reservation

**Northwest Mining Association**

ECONOMIC MINERAL RESOURCES  
of the



Goshute Indian Reservation  
Nevada - Utah



Special Symposium 1994

Larry H. Godwin and Bruce D. Smith, editors

WYOMING GEOLOGICAL ASSOCIATION

OIL, GAS AND OTHER RESOURCES  
OF THE  
WIND RIVER BASIN  
WYOMING



SPECIAL SYMPOSIUM 1994

Edited By  
William R. Keepey, William J. Metzger, Larry H. Godwin

*Geology & Resources  
of the Paradox Basin*

1996 SPECIAL SYMPOSIUM

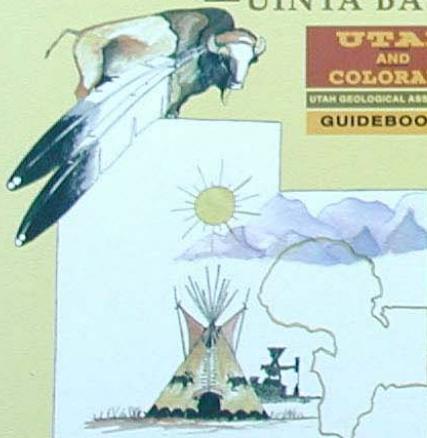


Geological Association & Four Corners Geological Society  
GUIDEBOOK 25

A. Curtis Huffman, Jr., William R. Lund, and Larry H. Godwin, editors

HYDROCARBON AND MINERAL RESOURCES  
OF THE UNTA BASIN,

UTAH  
AND  
COLORADO  
UTAH GEOLOGICAL ASSOCIATION  
GUIDEBOOK 20



1993 SPECIAL SYMPOSIUM

Thomas D. Fouch, Vito F. Nuccio, Thomas C. Chidsey, Jr., editors

**Northwest Mining Association**

MINERAL RESOURCES  
of the



Red Lake Band of the  
Chippewa Indians  
of Minnesota

1995

Larry H. Godwin and Bruce D. Smith, editors

NORTHWEST MINING ASSOCIATION

Special Symposium 1993



ECONOMIC MINERAL RESOURCES  
OF THE  
ANNETTE ISLANDS RESERVE

ALASKA



Larry H. Godwin and Bruce D. Smith, editors



# Native American Energy & Mineral Institute (NAEMI)

- NAEMI is a series of courses designed to provide training in the fundamentals of energy and mineral resources management to Tribal and BIA staff.
- Twenty-five courses will be held over the next two years.

Native American Energy and Mineral Institute  
Educational Services

## Short Course Announcement

Environmental Issues in Energy and  
Mineral Development

March 8-10, 2005

Denver, Colorado

Hosted by :



Bureau of Indian Affairs  
Division of Energy and Mineral Resources Management  
12136 West Bayaud Avenue, Suite 300  
Lakewood, CO 80228  
Phone: (303) 969-5270 Fax: (303) 969-5273

# Expansion of Staff and Capabilities

## ■ Prior to August 2003

- Three technical staff members in Fluid and Solid Group
- MAP funding consistently below \$1 million, as low as \$200,000
- Limited ability to work on tribal projects

## ■ April 2005

- Twelve technical staff members in the Fluid, Solid and Renewable Groups
- MAP funding at \$3 million
- Significant increase in numbers of tribal projects
- Ability to interact more closely with tribes

# Passamaquoddy

## Feasibility Study of Wind and Tidal Potential

- **Two wind sites:**
  1. T-19, the Tribe's jointly controlled 4900 acre blueberry farm (50 MW or greater)
  2. Jackman Area
- **One tidal site:**
  1. Sipayik coastal waters (part of the greater Bay of Fundy, this area experiences some of the highest tides in the world)



# Omaha, Flandreau Santee, and Sisseton Wahpeton

## Feasibility Analysis of Wind

- Evaluate the feasibility of developing a sustainable, integrated wind energy plan.
- The feasibility study will include site selection, wind resource assessment, environmental review, economic modeling, interconnection, permitting, market and finance identification, to serve on reservation electric loads and explore the export potential of wind energy via private and federal markets.
- The Omaha Tribe is a member of Intertribal Council On Utility Policy (COUP) and has agreed to participate in the 80 MW Intertribal COUP Wind Project.
- The Omaha Tribal Utilities staff at the Omaha Tribe is sponsoring and managing the project for the Flandreau Santee Sioux and the Sisseton-Wahpeton Sioux Tribes.



# St. Croix Biomass

## Biomass Power Plants

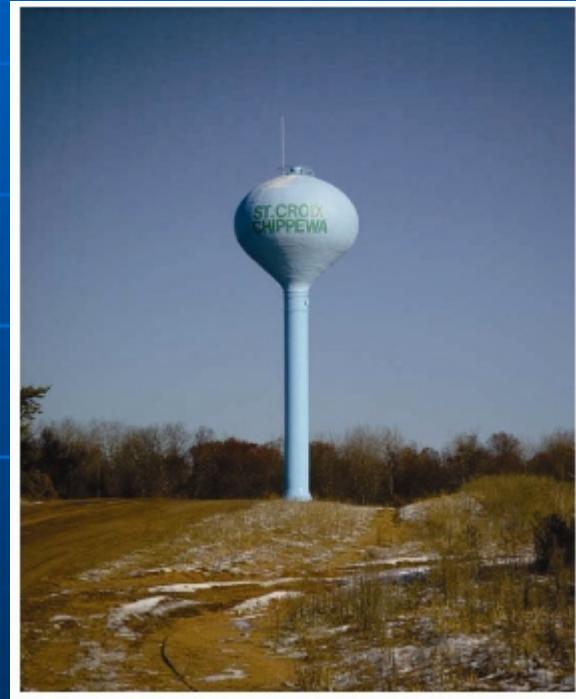
- 3 MW and 8 MW biomass-fired power plants to be located on tribal trust land in Danbury and Hertel, Wisconsin, respectively.
- Wisconsin and Minnesota are moving toward requiring increased emphasis on renewable power.



# St. Croix Natural Gas Peaking Power Plant

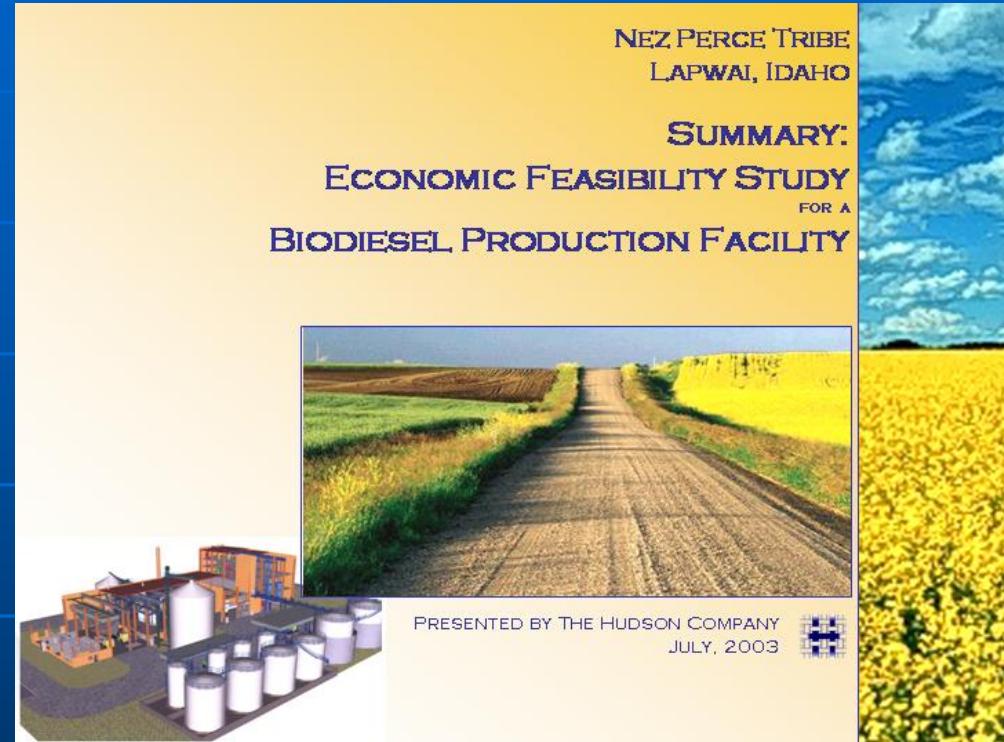
## Peaking Power Plant

- 40-45 MW natural gas peaking power plant project to be located on tribal trust land in Hertel, Wisconsin.
- The ultimate goal of this project is to secure a Power Purchase Agreement ("PPA") with a local utility.



# Nez Perce

- Biodiesel Plant Business Plan
- Biodiesel Plant Engineering, Market Study, and Environmental Study
- Biodiesel Promotional CD-ROM.



# Proposed Nez Perce Biodiesel Plant (Based on Similar Existing Facilities in Germany)



# Colville

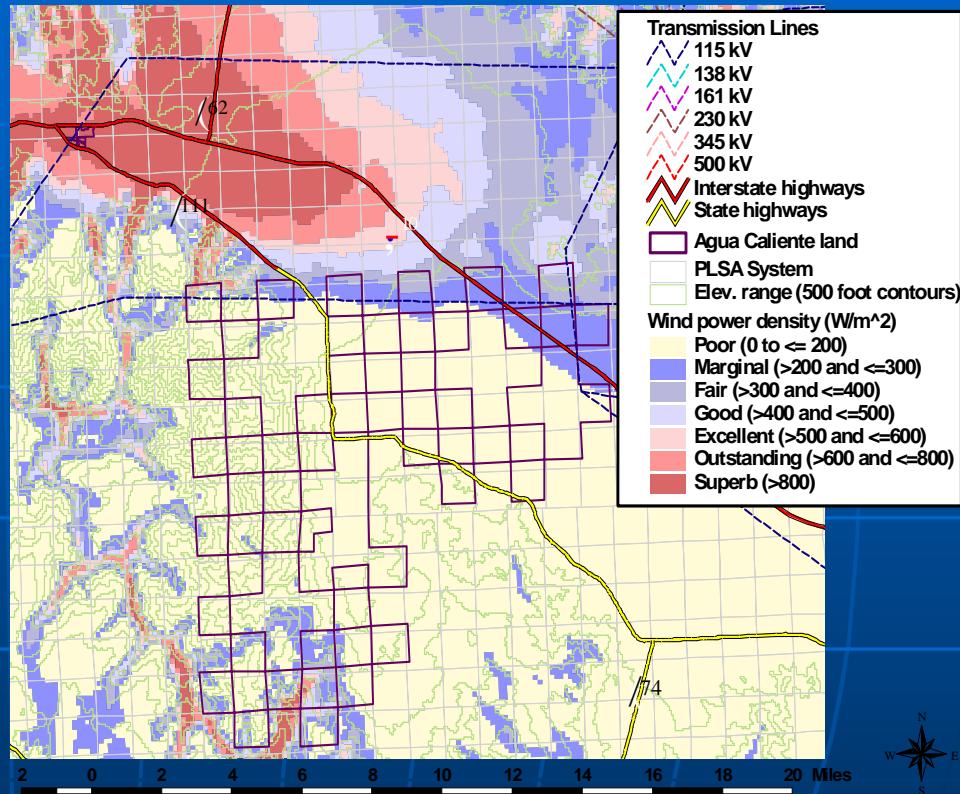
- Assess woody biomass availability, sustainability and economics
- Assess biomass use to optimize revenues and use of logging and mill residue
- Compare tribal energy use and cost with region
- Evaluate Colville Indian Power & Veneer (CIPV) cost savings and plant efficiency gains
- Assess marketing options for biomass power to improve CIPV profitability



# Agua Caliente

## Renewable Resource Assessment FY 2004

- Focus on wind and biodiesel
- Business Opportunity Assessment, Markets and Economics
- Evaluation of Wind Energy and Biodiesel Proposals to Tribe
- Tribal Social Benefit / Cost Analysis
- Project Development Planning



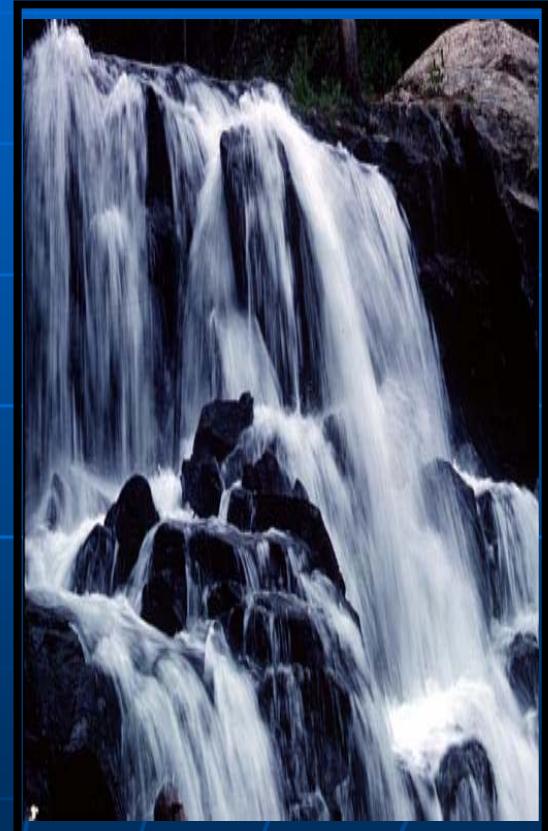
Agua Caliente Tribal Lands and Wind Resources

# Colorado River Indian Tribe

## Economic Evaluation of the Headgate Rock Hydroelectric Plant

The Tribe will evaluate cost, rate, management, employee morale and physical changes to the Tribe's PL-638 contract of the operations of the hydroelectric plant.

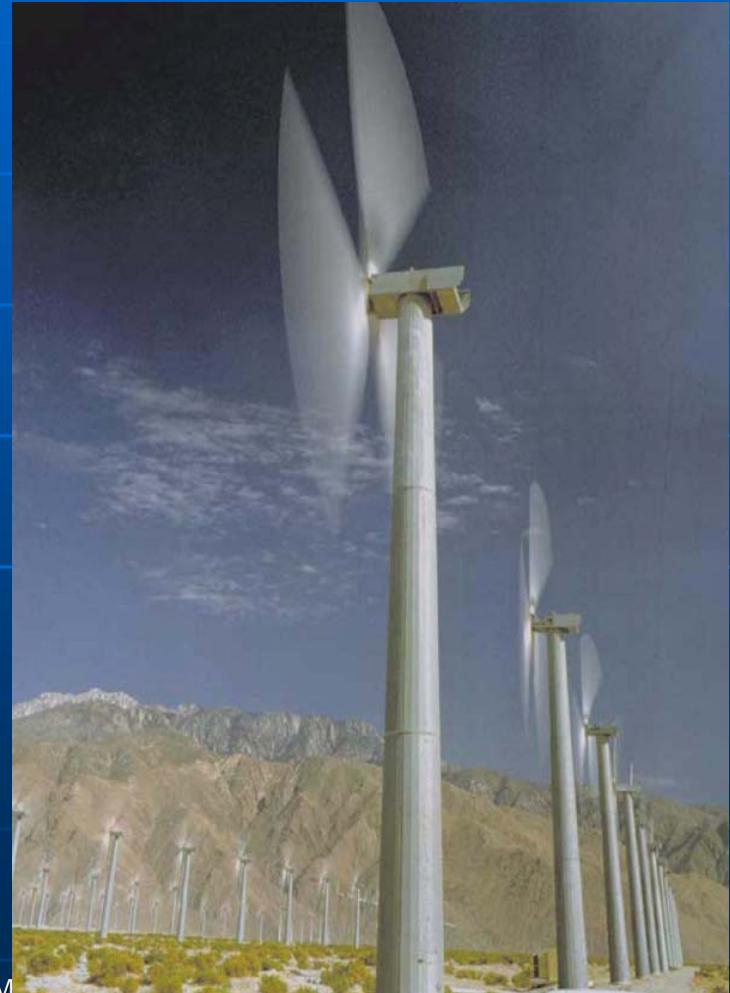
- The economic evaluation will consider the following:
- CRIT's new allocation of power from the Western Area Power Administration's Upper Colorado River Storage Project, adjusted for the 2004 drought, and potential increased tribal power allocations from the Parker-Davis project.
- Federal employee benefits and retirements that would be affected if current CRA system employees were displaced prior to retirement.
- Analysis of legislation to ensure control of the current electric trust fund administered by CRA;
- CRIT authority to adjust rates for the CRA system and utilization of Federal employees; and
- Information about the takeover of BIA irrigation project by Salt River Pima



# Ewiiapaayp

## Economic Evaluation of Wind Farm

The Ewiiapaayp Band of Kumeyaay Indians is interested in developing a 50 MW wind project with a proposed 25 wind turbines. The Ewiiapaayp Band requested a third party economic analysis to evaluate the proposed business agreement with Superior Renewable Energy, LLC. The economic evaluation analyzed the economic conditions of the agreement and the benefits to the tribe over the life of the agreement.



## OUTREACH GOALS

- 1) Identifying Indian Tribes that are interested in considering an energy and mineral proposal.**
- 2) Publishing technical data on energy and mineral resources on Indian Trust Lands.**
- 3) Discussing the positive effects of doing business on Indian lands**
- 4) Establishing ground rules for energy and mineral proposals and negotiations.**
- 5) Providing a neutral environment for both the Tribe and companies to interact.**



# Fort Berthold Indian Reservation

## Williston Basin



- 150,000 contiguous acres available
- Simplified terms

