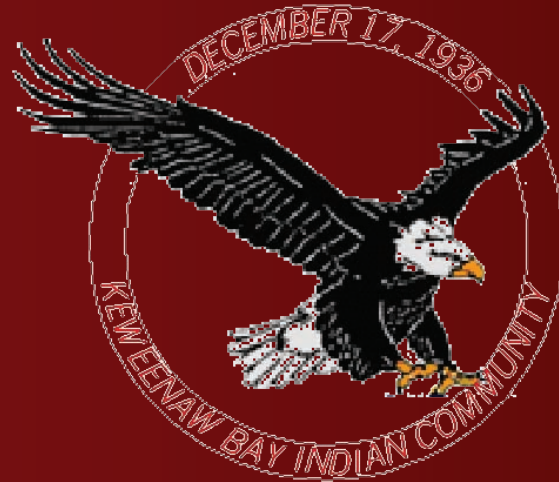


Keweenaw Bay Indian Community PRESENTATION



*Assessing the Feasibility of Renewable Energy
Development and Energy Efficiency Deployment on
Tribal Lands*

November 18, 2009
Gregg Nominelli, J.D.
Economic Developer

BACKGROUND INFORMATION



- U.S. Department of Justice
- Tribal Council formed Committee for Alternative & Renewable Energy
- Council for Energy Resource Tribes
- Targeted Wind Power Development & Energy Efficiency

U.S. Department of Justice



- Weed & Seed Program
- Community Capacity Development Office

Community Capacity Development Office

- Conducted On-site Visit
- June 9-13, 2008
- Economic Development Assessment
- Legal Survey



Community Capacity Development Office (continued)

- SWOT Analysis

 - Core Values of Community

 - Air, Land and Water

 - Quality of Life Opportunities

 - Community Strength in Manufacturing



Tribal Council formed Committee for Alternative & Renewable Energy

- Established on June 13, 2008 by Council Resolution
- To Advance Opportunities for Alternative & Renewable Energy
- Develop Strategic Energy Plan
- Eight (8) Members and Three (3) Advisors, Appointed by Position

Eight (8) Members & Three (3) Advisors, Appointed by Position

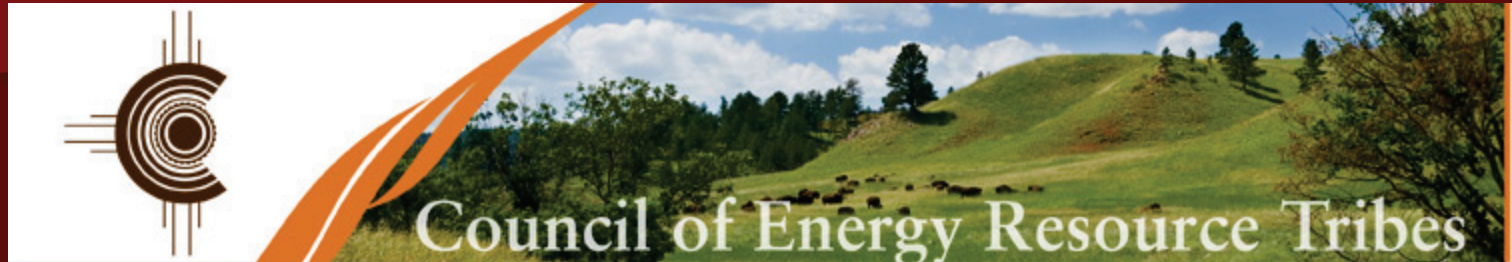
- Chairpersons of Committees
 - Natural Resources
 - Economic Development
 - Cultural
- Realty Officer
- Maintenance Director

- Grant Writer
- Housing Director
- Tribal Council

ADVISORS

- CEO
- Economic Developer
- Natural Resources Director

Council for Energy Resource Tribes

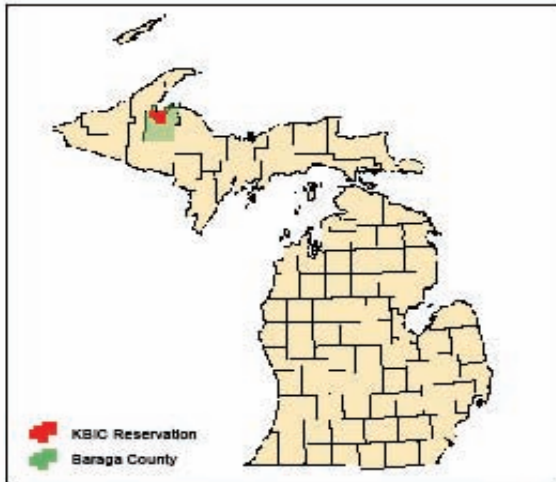


- Conducted 3-day Community Retreat, September 10-12, 2008
- Received Comments to Create Energy Plan
- Prepared Strategic Energy Plan
- Set Goals and Timelines

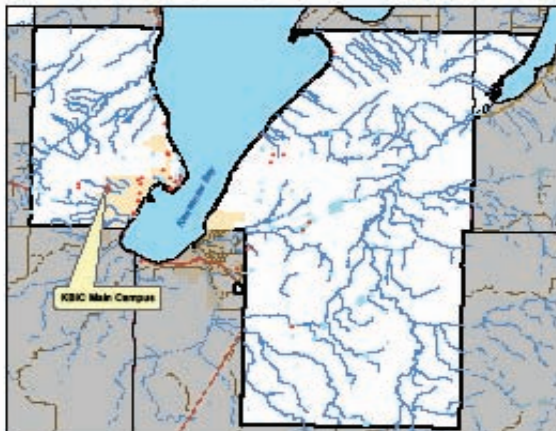
Targeted Wind Power Development & Energy Efficiency

- Primarily Focused on Casino
- Secondarily for:
 - Facilities Adjacent to Casino (Cluster Buildings)
 - Government Buildings – Fish Hatchery
 - Residential

Facilities Near Casino



State of Michigan, Baraga County



Keweenaw Bay Indian Community



Main Campus Site Map

**Keweenaw Bay
 Indian Community
 Main Campus Site Map**

Keweenaw Bay Indian Community
 Funding Opportunity Number: DE-PS36-09G099024
 CFDA Number: 81.087



Renewable Energy

Drawn By: Planning & Development

Map 2

Date: April 14, 2020

REVELATIONS OF PLANNING

- Broad Goals
- Initial Evaluations
- Specific Target

Broad Goals

- Preservation of our Natural Environment (especially water)
- Self-Sustainable Power Production
- Creation of Jobs
- Cost Savings
- Revenue Generation



Initial Evaluations

- Bio-Fuels Production
- Solar Power
- Geo-Thermal & Wave Power
- Wind Power



Specific Target

- Wind Power Consumption for Power
- Wind Power Manufacturing Opportunities
- Develop Green Industrial Park



PROCESS TO ACHIEVE GOALS

- Timelines Established in Strategic Energy Plan
- Continued Evaluation of Progress

Timelines Established in Strategic Energy Plan

- Celebratory Community Feast
- Identify Other Tribes to Evaluate
- Meet with Transmission Company (ATC)
- Identify Sources for Technical Assistance
- Obtain Quotes from Consultants
- Research Sources for Funding



Timelines Established (continued)

- Preliminary Select Locations
- Conduct Feasibility Study
- Identify Successful Projects
- Visit Other Projects (Prefer Tribal Projects)
- Select Ideal Projects as Model
- Determine Project for Implementation



Continued Evaluation of Progress

- Committee for Alternative & Renewable Energy
- Completed PRELIMINARY EVALUATIONS
- Feasibility Study Purpose of Grant
- Hope to Learn of Model Projects at this Review

SUMMARY & RE-CAP

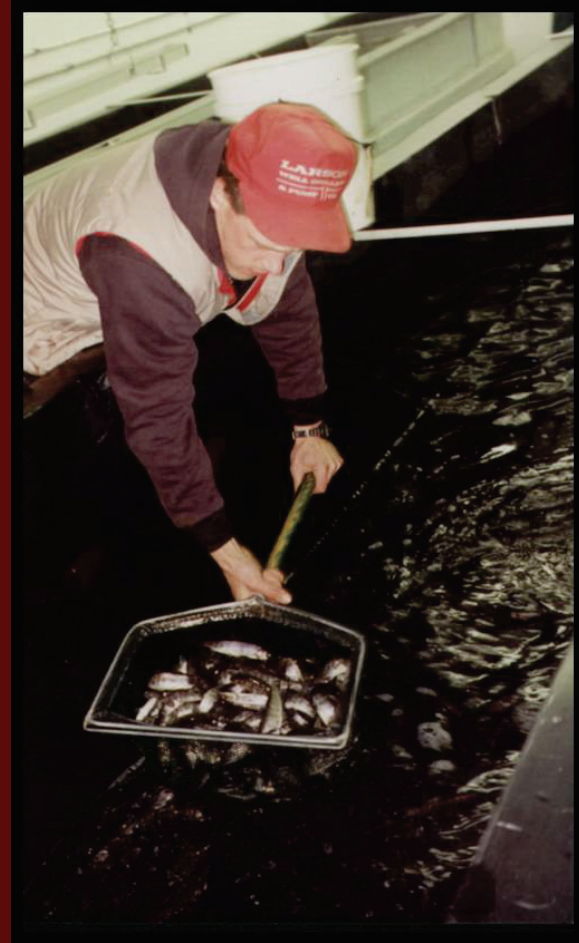
- Received Assistance to Understand our Community's Core Values
- Conducted Strategic Planning
- Set Goals

Conducted Planning to Evaluate How To:

- Capitalize on our Strengths
- Develop Goals in Harmony with our Core Values
- Create an Action Plan with Specific Goals and Timelines
- Ensure We Follow-up and Move Ahead

Goals

- Monitor Wind at our Cluster Facilities near Casino
- Monitor Wind at Fish Hatchery
- Evaluate Cost of Wind Turbines or Small Wind Farm
- Project Revenue and Savings from Installing Turbines
- Conduct Preliminary Engineering for Turbines



Goals (continued)

- Assess Effect upon Community
 - Environment
 - Finances
 - Culture
 - Habitat
 - Jobs
- Determine Feasibility of Project Based Upon Facts

ULTIMATE DESIRE

- Protect our Environment
- Create Jobs
- Become Self-Sustainable
- Manufacture and Install Wind Turbines

QUESTIONS & CONTACT INFO.

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For copies of PowerPoint Presentation

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KBIC – First Steps To Tribal Weatherization

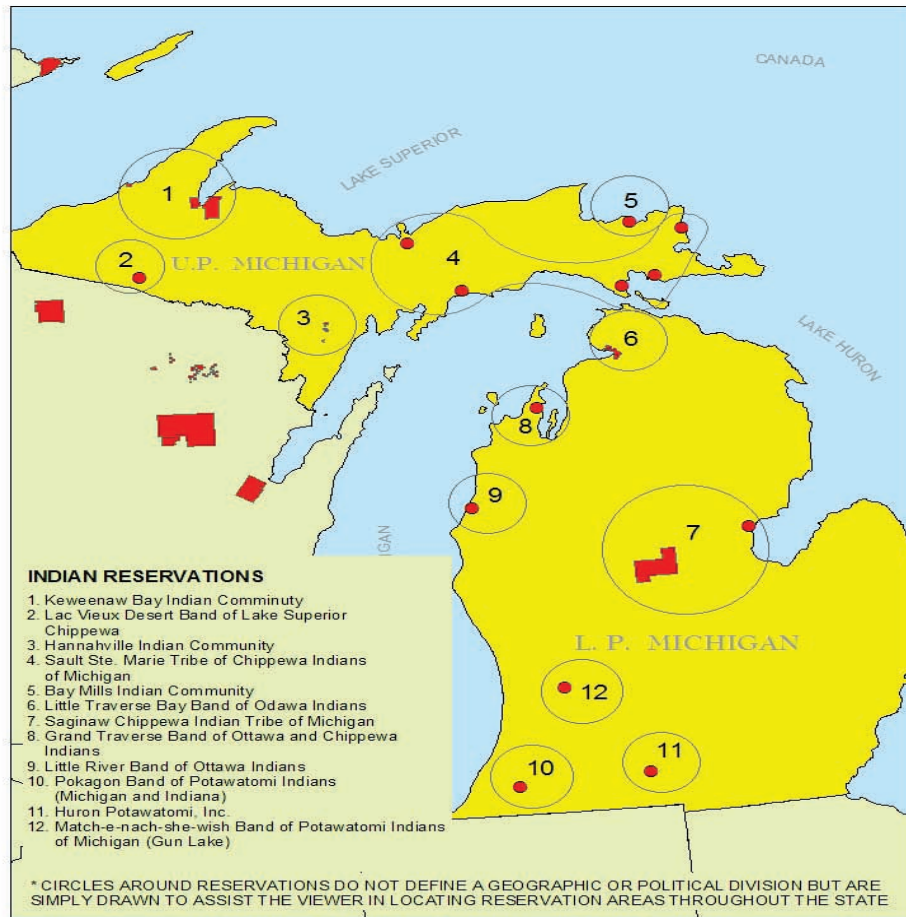
Overview – Goals - Objectives

- The proposed project will:
- Establish a Tribal Weatherization Program
- Promote energy sufficiency within the community
- Increase knowledge base of staff through training
- Implement energy efficiency programs
- Offer community education along with incentives
- Evaluate and provide energy audits



KBIC – First Steps To Tribal Weatherization

Location



FEDERALLY RECOGNIZED INDIAN TRIBES - MICHIGAN

- KBIC is located in Upper Michigan - circle 1 on the map. YES – KBIC is NUMBER 1

Service area – basically western half of Upper Michigan



KBIC – First Steps To Tribal Weatherization Participants

■ Collaborative Training Effort Involving:

- Community Assistance Programs Office
- Ojibwa Housing Authority
- Tribal Maintenance Department
- Inspectors – Electric and Building
- Community Members

■ Training to include:

- Core competencies based on individual needs
- Energy Auditing – residential and commercial buildings



KBIC – First Steps To Tribal Weatherization Summary

- **Proposed Project Outcome:**
 - Conduct energy audits
 - Identify and implement energy efficiency measures in Tribal members homes
 - Energy savings to Tribal members
 - Promote economic development through potential energy services business





Thank you

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