Nez Perce Tribe Bio-Diesel Production Plant

Cassandra Kipp
Economic Development Planner
Nez Perce Tribe
What is Bio Diesel?

A clean burning renewable fuel made from agricultural products, such as:
Soybeans, Sunflower, Canola, Rapeseed, Animal Fats, Recycled Cooking Oil
Benefits of Biodiesel

- It is renewable
- It helps farmers and agriculture
- Adds value to gas
- Replaces unhealthy noxious fuel emissions
- Use as a blending agent
- Can blend without modification to most diesel engines
Key Findings
Bio-diesel from Oilseed is Viable in the Northwest

- High Growth Industry
- Very Limited Competition
- Great Location for Supply, Transport
- Tribe Well Suited for this Industry
- Strong Support from Idaho’s Congressional Legislators
- Right Industry, Right Time
Idaho Economy

Idaho’s Major Industries are:

- Manufacturing
- Agriculture
- Tourism/Travel
- Food and Kindred Products
- Lumber Production
- Mining
- Technology
Nez Perce Reservation

The Reservation is composed of 770,000 acres
Project Overview

1986 - Tribe built it’s first small operated crushing and mixing devise

1987 – Modified Tribally owned vehicle to run on bio-diesel

2001 – The Tribe entered into research agreement with Rural Development and local college for development of bio-diesel

2002 – Funding was identified to complete first phase of feasibility study
<table>
<thead>
<tr>
<th>Year</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2003</td>
<td>Second phase of study unfunded for eight months and completed at the end of year. (Partial MAP Award)</td>
</tr>
<tr>
<td>2004</td>
<td>Tribe received MAP award to complete development plan and marketing study</td>
</tr>
<tr>
<td>2004</td>
<td>Mineral Assessment Project: Mission Creek Quarry completed</td>
</tr>
</tbody>
</table>
2004 - Business Plan completed and disseminated

2005 - March, Tribal Council approved concept and appointed official development team to create business model.

2005 - Marketing firm hired to complete marketing study
Objective of Project

- Provide Business Diversity
- Provide Alternative Energy Resource
- Utilize a Tribal Natural Resource and add value
- Stimulate the economy with additional revenue stream, living wage jobs, and Tribal Entrepreneurship (i.e. trucking, business park, supplies, by-product)
Objective of Project

- Enhance the Nation’s Security by Reducing Dependence on Foreign Oil
- Assist Agricultural Business (i.e. farmers, environment, land conditions)
- Increased Environmental Benefit of Emissions
- Develop Synergy Among Tribal Resources, Enterprises, Community and Economic Development
- Increased Self-sufficiency for our Tribe and Reservation Community
Project Location
## Project Participants

<table>
<thead>
<tr>
<th>Tribal:</th>
<th>Federal/Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planning Department</td>
<td>BIA, Local and DEMRM</td>
</tr>
<tr>
<td>Land Services</td>
<td>Dept. of Agriculture</td>
</tr>
<tr>
<td>Natural Resources Department</td>
<td>Local and State</td>
</tr>
<tr>
<td>Tribal Council</td>
<td>Farmers</td>
</tr>
<tr>
<td>Legal Council</td>
<td>Private Affiliates</td>
</tr>
<tr>
<td>Workforce Development (TERO)</td>
<td>Universities and Research Firms</td>
</tr>
</tbody>
</table>
Project Status

Accomplishments:

1. Completed Feasibility Study
2. Business Plan
3. Council Buy-In
4. Site Plan Identified
5. Farmers and Community Buy-in
6. Legislative Support
Current Activities

- Land Purchase is critical
- Secure Agri-business contracts for seed
- Secure Funding for Required Infrastructure
- Complete Design, Engineering, Mechanical and Environmental Study
- Lobby for Tax Incentives and Energy Incentives in State of Idaho
Capital Development

Develop Investment Plan

- Tribally Owned and Financed
- Joint Venture
- Lease Agreement/Owner Managed
- Other Creative Financing Arrangement
Future Plans

- Develop Business Park at Site
- Add Rock Crushing, Cement Plant, & Concrete Cast Forms Manufacturing
- Develop Woody Bio-Mass Facility to Generate Energy for All Tribal Enterprises
- Complete Regional Waste-Water Treatment Plant
- Create Leasehold Estate for Remainder of land at the Business Park for Outside Industry
- Develop Entrepreneur Incubator for Tribal Business and encourage use of industrial by-product
Contact Information

Casandra Kipp,
Economic Development Planner
P.O Box 365
Lapwai, Idaho  83540
(208) 843-2919
Email:
cassandrak@nezperce.org