



QIN Renewable Energy Feasibility Study

Catching the Power of Energy



Quinault Indian Nation



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Presented by...

- Natalie Charley, Project Coordinator, Quinault Nation
- Don Hopps, Director, Institute for Washington's Future
- Mark Pokryska, Project Manager, WorldWater Corporation and Ocean Power Technologies

About the Quinault Indian Nation

- Southwest corner of the Olympic Peninsula in Western Washington
- 208,105 acres of land
- Over 2,980 tribal members
- Located on the Pacific Ocean
- Several river streams
- Forested reservation
- Great storms

History of Project

- Resources
- QIN President's Direction
- Previous Biomass Study
- Formation of QIN Renewable Energy Team
- Grant Application/Approval
- Hire Contractors
- Kick-Off Ceremony Aug 30-31, 2004

Project Mission



- To conduct a comprehensive renewable energy feasibility study that demonstrates the potential sustainability of renewable energy development on our tribal lands

Strategic Goals



- Conduct a study leading to the development of clean, affordable, competitive, and reliable energy options
- Plan for Tribal energy self-sufficiency leading to employment and economic development on Tribal lands



Study Focus

- Wind
- Wave
- Energy Efficiency
- Biomass
- Solar

(WWEBS)

Two Contractors Two Studies

- The Institute for Washington's Future was selected to conduct a reservation-wide study
- WorldWater Corporation was selected to conduct a site-specific study at our casino/resort
 - ◆ The casino/resort is located on trust property off of the reservation

QIN Project Scope

- Assess Tribal energy requirements
- Identify most realistic source(s) of renewable energy
- Assess sustainability of energy generation
- Determine feasibility of exporting power



QIN Project Scope



- Determine potential for job creation
- Determine feasibility to provide power purchase agreements beyond Tribal communities
- Determine economic and environmental benefits
- Develop collaborative partners

QIN Project Scope



- Determine the potential for long-term project sustainability
- Ensuring a positive integration with the culture, social, and long-term goals of the Quinault Indian Nation

Concurrently...

- We will continually educate our membership about this project
 - ◆ Web page on Nation's website
 - ◆ Reports to the Nugguam
 - ◆ Public relations
- We will monitor the project and develop our internal infrastructure if and when necessary

Introducing...

Don Hopps, Executive Director
Institute for Washington's Future

Status of the
Reservation-Wide Study

Quinault Lands Planning Study

- Phase 1 – Scoping potential renewable resources and economic development possibilities
- Phase 2 – Pre-feasibility evaluation of selected possibilities.
- Phase 3 – Renewable energy development plan

Phase 1 – Assessment of Available Renewables

- Conservation
- Biomass for energy production
- Biomass for Bio-Fuels
- Wind
- Solar
- Hydro
- Wave

Goals for the Study

1. To identify renewable energy sources that can meet the needs of the Quinault Indian Nation in a cost-effective manner.
2. To identify energy resources having the potential for commercial development and to provide employment to the Nation's members.

Goals, continued

3. To generate an energy development plan that will maximize the use of the energy resources of the Nation in an environmentally sound and economically sustainable manner

Introducing...

Mark Pokryska, Project Manager
*WorldWater Corporation and
Ocean Power Technology*

Status: Site-specific Quinault Beach
Resort & Casino

