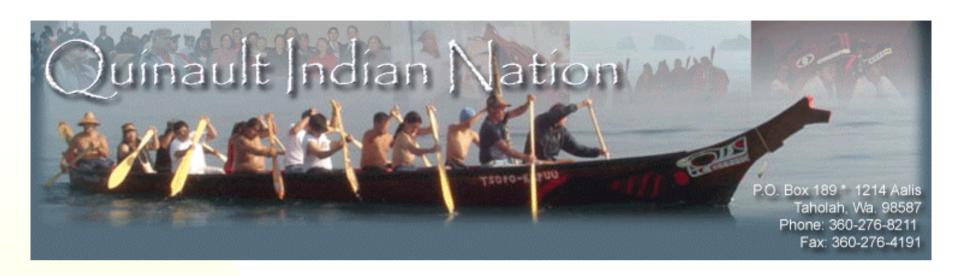


# QIN Renewable Energy Feasibility Study

Catching the Power of Energy















#### Presented by...

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

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# **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

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#### **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

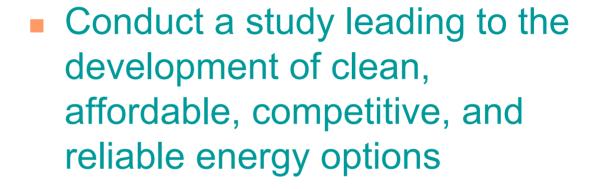
#### **Project Mission**



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

#### **Strategic Goals**







 Plan for Tribal energy selfsufficiency 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 I 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

- 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

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

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