

Tribal Energy Program2005 Program Review

Strategic Energy Plan



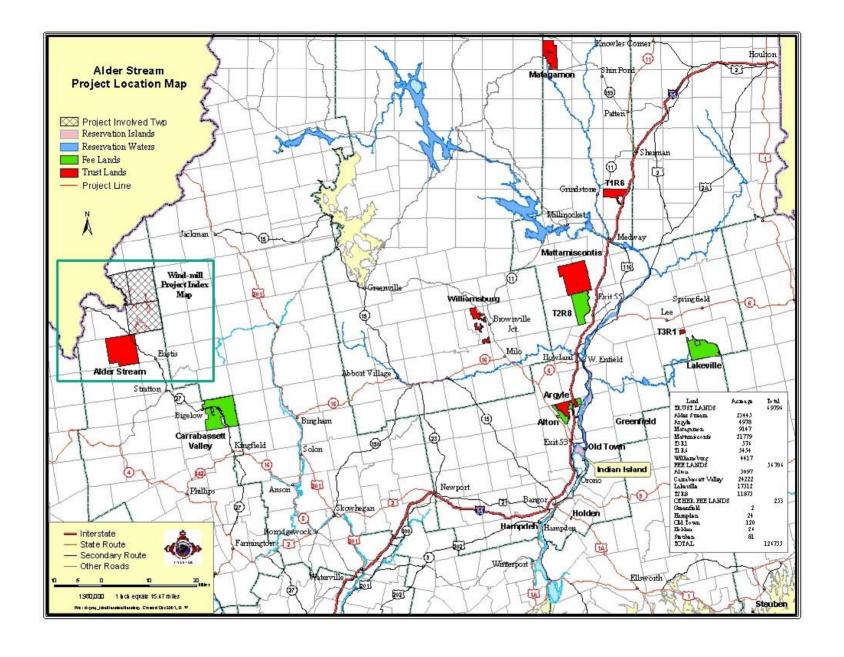
Presented by: Mike Sockalexis





Penobscot Indian Nation

- 2,261 members
- 118,885 acres of land
- Significant water rights on the Penobscot River and its tributaries
- Significant wind potential on western Maine Trust Lands
- Biomass potential in our forest lands





Background of Application

- Tribe requested funds under: "First Steps Toward Developing Renewable Energy and Energy Efficiency on Tribal Lands"
- Application developed by Tribe and North Atlantic Energy Advisors
- Grant awarded in June, 2005
- Start date: September 1, 2005



Expected Outcome

- Strategic energy plan, including:
 - Baseline assessment, or "Where we are"
 - Vision, goals and objectives, or "Where we want to be"
 - Action plan, or "How you're going to get there"
- Our focus is on renewable energy and energy efficiency options
- Result: Long-term sustainable plan for energy self-sufficiency or energy development on tribal lands



Consultant Roles

- Provide technical and process guidance for developing the Strategic Energy Plan
- Help match national lab resources to tribal needs
- Help identify additional contractors as necessary
 - → Develop RFQ(s)
 - Assist Energy Committee in selection process
 - Provide input on contractor work product and deliverables
- Help develop a function statement and position description for a Tribal Energy Director
- Assist the Tribal Energy Director in the performance of his duties



- Provide access to data (energy audits, resource assessments, etc) already completed
- Participate in creating energy vision, goals and objectives
- Review and comment on consultant drafts



Initial Steps - 1

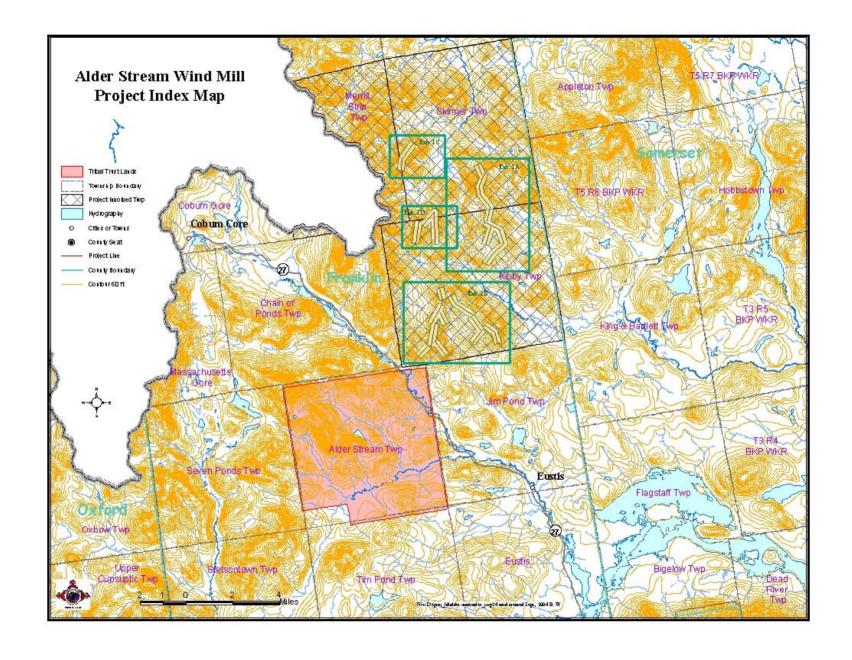
- We are collecting data, reports etc. already completed for consultants to review as background
- Beginning the visioning process
 - Vision, goals and objectives
- Developing Action Plan
 - Identify and assess specific opportunities
 - Identify funding required and funding sources



Initial Steps - 2

- Prepare RFQs for specific technical work as needed, e.g.
 - Building and process energy audits
 - Hydro-electric turbine technology and stream flow assessment
 - Wind resource assessment and early project development
 - Biomass feasibility analysis

The Strategic Energy
Plan is a framework—
the assessments may
not be implemented in
this phase



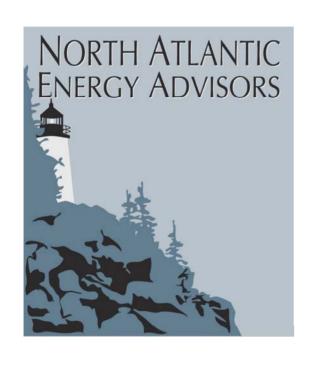


Additional Tasks

- Energy efficiency
 - Identify sources of funding to conduct facility surveys
 - Assess tribal facilities
 - Identify and prioritize specific efficiency improvements
 - Identify sources of potential funding for improvements
 - Reduce cost of energy consumed by Tribe
- Energy purchase economies through bulk purchases
- Renewable energy
 - Identify sources of funding to conduct resource assessments (biomass, wind and hydro)
 - Assess environmental and economic viability
 - Develop energy resources in an environmentally acceptable and economically viable manner
 - Maximize both revenue to the Tribe and tribal control over its own resources



Tribal Consultants





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