



Seneca Nation of Indians "Strategic Energy Resource Plan"

Energy Framework for the Future

Gina Paradis

October 18, 2005

Denver, Colorado





SNI Energy Plan

- Project Location
- Project Overview
- Project Participants
- Objectives
- Outcomes
- Future Plans



Project Location















Seneca Nation Overview

- Seneca Nation is one of the original Five Nations of the Haudenosaunee, aka Iroquois Confederacy
 - Approximately 7800 enrolled members
- Four Main Territories in WNY
 - Allegany 31,000 acres; City Of Salamanca leases 10,000 acres; 7350 residents; Museum, Class II&IIICasinos, Campgd
 - Cattaraugus 22,000 acres; 2300 residents
 - Oil Springs 1 square mile; XX residents
 - Niagara Falls 50 acres; Class III casino





Project Partnerships

- Plan Developers
 - Seneca Nation of Indians Tribal Council
 - Tribal Councilor
 - Planning Commission Representative
 - Administration
 - Community Planning & Development Department
 - Utilities Department
 - Environmental Protection
 - U.S. Department of Energy
 - Local Utilities
 - Indian Energy Consultants





SNI Strategic Energy Plan

- Goal Energy Self Sufficiency
 - Rate Relief
 - Economic Development
 - Environmental Protection and Preservation
 - Resource Development



SNI Energy Background

- Phase One –Visioning Process
 - Community Meetings
 - Review Historical & Current Energy Resources
 - Assess Community
 Priorities, Energy
 Potential, and
 Environmental and
 Economic Issues
 - SWOT Assessment
 - Final Report







- Tribal Resource Assessment Renewable & Non-renewable
- Rates & Usage Analysis current & Projected
- Infrastructure Inventory
- Industry Relationship Assessment
- Human Resource Development
- Identified Technical Assistance Needs
- Reviewed Regulation & Jurisdiction Issues
- Assessed Environmental & Cultural Components
- Identified Future Project Funding Opportunities



SNI Energy Framework

Tribal Resource Assessment



- Natural Gas Reserves
 - Inventory/Assessment of Gas Wells
 - National Fuel Agreement
 - •Gas Production and Delivery
 - Generation Projects
 - Environmental Issues

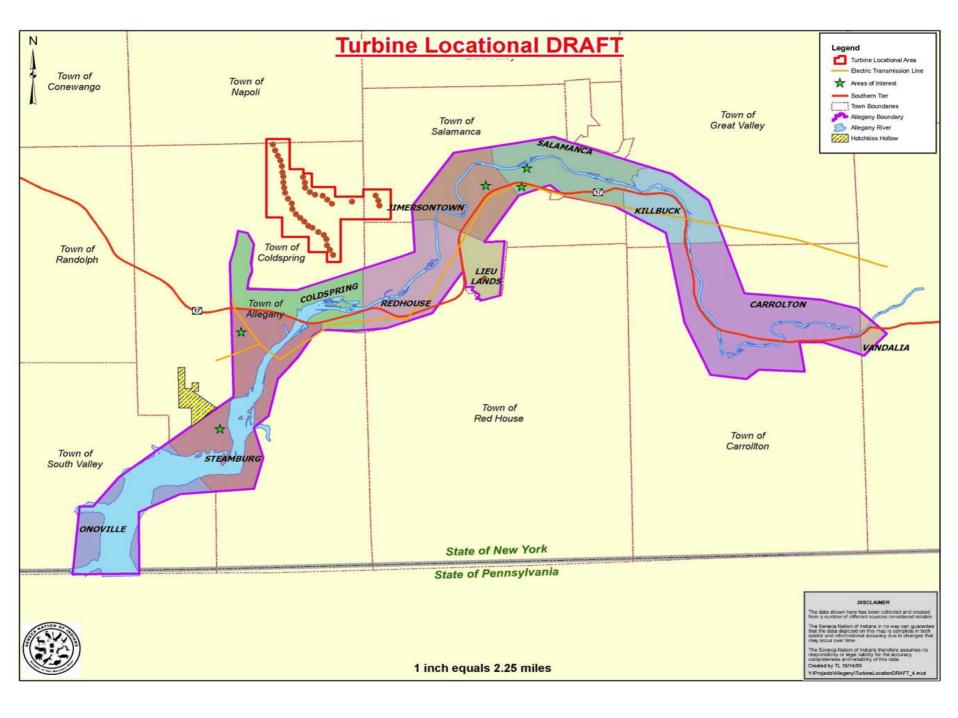




SNI Energy Framework

- Tribal Resource Assessment
 - Renewable Energy
 - Wind Resource
 - Solar
 - Hydro
 - Ground Source Heat









SNI Energy Framework

- Strategic Resource Plan, cont.
 - Energy Efficiency
 - Cost & Rate Analysis (average cost per kWh)
 - Commercial/Revenue Enhancement Review
 - Energy Audit Preparation
 - Environmental Assessment



Go Forward Plan

- Tribal Council Endorsement
 - Energy Management
 - Implement Energy Code New Construction SNI RPS
 - Complete Energy Audit & Efficiency Recommendations
 - Complete Infrastructure mapping (GIS)
 - Renewable Resource Development
 - Complete Anemometer Study/Assess Commercial Wind Project
 - Feasibility Analysis
 - Steamburg Renewable Project
 - CHP Co-Generation plant(s)
 - Build Tribal Community Consensus
 - Community Awareness & Education
 - Priorities
 - Economic
 - Cultural Focus
 - Funding





Go Forward Plan, cont.

- Assess Utility Formation
- Natural Gas Production capacity & Infrastructure expansion
- Human Capacity Building
- Continue to build relationships/partnerships