Seneca Nation of Indians
“Strategic Energy Resource Plan”

Energy Framework for the Future

Gina Paradis

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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

SNI Energy Plan – Phase II Outcomes

- 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

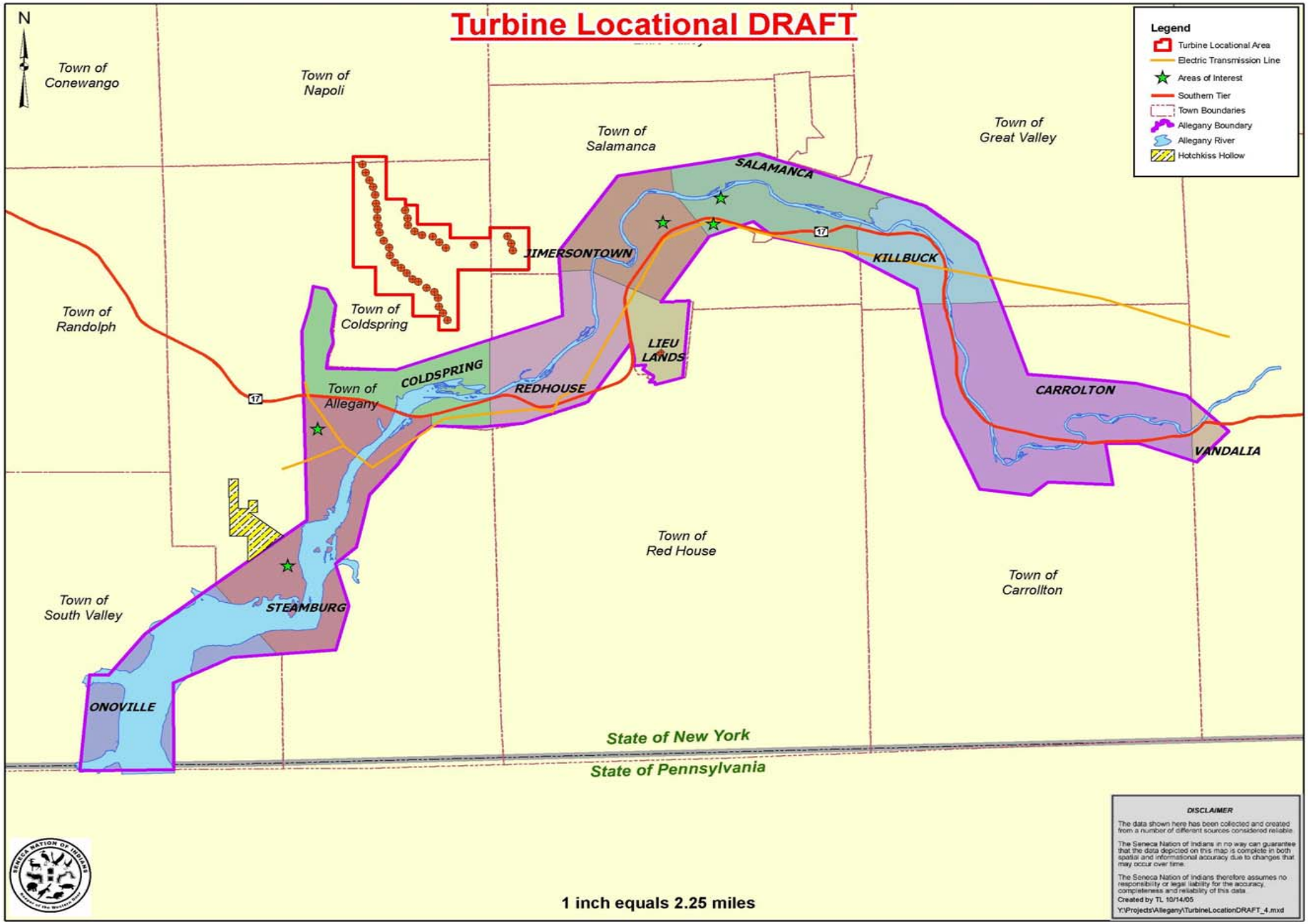
- **Tribal Resource Assessment**

- **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**

Turbine Locational DRAFT



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