Seneca Nation of Indians

“Strategic Energy Resource Plan”

Energy Framework for the Future

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Denver, Colorado
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&III Casinos, 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
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