SENeca EnErgY

“EMPOWERING THE SENeca NATION”

Anthony Giacobbe – Director of Power & Gas
Energy Vision

- Energy Sustainability
- Reduce Costs
- Improve Infrastructure
- Economic Development
- Environmental Benefits
- Utilize Resources
- Workforce Development
- Energy “Hub”
Strategic Planning

- DOE First Steps Grant for Strategic Energy Planning
- DOE NREL Anemometer Loan Program
- Tribal Energy Program – Clean Energy Deployment Grant (2015)
- DOE First Steps Grant for Energy Organization Planning
- Seneca Energy Established – 2011 (staffed 2014)
- DOI Strategic Energy Planning Assistance
- DOE Energy Efficiency and Conservation Block Grant
Framework for Success

Leadership

Teamwork

Determination

Develop a strong team

Patience

Capital Investment & Use of resources
Phase I

- Feasibility
- Technology Evaluation
- Leadership Presentations
- Public Outreach
- Dept./Agency Coordination
- Site Selection
1.5MW Vensys Wind Turbine

**Highlights**
- $6MM Project
- Commissioned 3/8/17
- 500,000 kWh generated
- Net-metered
- Community Benefits
- Project payback – 8-9 years

**Generation/Emissions Stats**
- 4MM-4.5MM/kWh annually
  - 554 homes powered (NYS 7200 kWh/avg.)
- 4.3MM lbs./CO2 annually
  - 147 cars off road/annually
Turbine Construction
Rotor Fly
1.9MW Solar Array

Highlights

- Investment: ~$3.5MM
- Construction: May 8, 2017
- Power: Net-metered
- Site: 7 Acres
- Project payback: 6-15 yrs.
- Financing:
  - Nation Funded
  - RUS Loan – USDA
Natural Gas

Distribution System

• 55 NG customers
• Improving/repairing infrastructure
• Future Expansion

NG Well P&A Project
Initiatives

Accomplishments
- 15kW Allegany Fish Hatchery
- 10kW Oak Tree rooftop solar
- Cattaraugus NG Geological Study
- Microgrid Study

Pipeline
- Community Solar Garden
- Allegany NG Geological Study
- EE Tiny Home
- ROW negotiations
Seneca Energy Team

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