SENeca Energy & SeneCa Solar

“EMPOWERING THE SENECA NATION”

Anthony Giacobbe – Director Seneca Energy & Telecommunications
About Seneca Energy & Seneca Solar

- The Seneca Nation is a leader and innovator in deploying renewable energy projects on their Native lands.
- Seneca Energy and Seneca Solar are sister companies wholly owned by the Seneca Nation established to deliver solutions on and off Native lands.

Our mission is to profitably and equitably deliver innovative renewable energy solutions that heal the Earth for current and future generations.

- **Seneca Energy** is a tribally chartered entity of the Seneca Nation that provides renewable energy, natural gas, and broadband services to the members of the Seneca Nation.
- **Seneca Solar** is a division of Seneca Holdings, which delivers over $250M in products and services annually with the size and infrastructure to execute large projects.
Our Values. Our Legacy

➢ Care for and heal the Earth: We feel urgency to maximize and accelerate healing of the Earth; our business is dedicated to restoring balance to humanity’s relationship with our planet.

➢ Deliver exceptional results: We are professionals dedicated to exceeding expectations of our customers; we hold ourselves to delivering products and services of the highest quality.

➢ Create training and employment opportunities: We are committed to ensuring that Senecas and other Indigenous people around the world can participate in the clean-energy economy.

➢ Invest for the Seventh Generation: This Native principle compels us to advocate for future generations.
Seneca Energy Mission Statement

“This to ensure the security, prosperity and independence of the Seneca Nation by building a sustainable energy platform and lowering energy costs for the Nation and its residents”
Energy Vision

- Energy Sustainability
- Reduce Energy Costs
- Improve Infrastructure
- Economic Development
- Environmental Benefits
- Utilize Natural Resources
- Workforce Development
- Energy Information “Hub”
Framework for Success

Leadership

Strategic Vision

Team Development

Capital Investment

Project Evaluation & Selection
Strategic Planning

1. Identify stakeholders
2. Form Leadership Team
3. Develop Energy Vision
4. Assess Needs & Resources
5. Develop Specific Goals
6. Evaluate & Prioritize Projects
7. Identify Financing Options
8. Strategic Energy Plan
## Decision Matrix

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### Category & Values

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Project Flow

➢ Project origination to project approval

➢ Includes multiple decision points:
  ✓ Decision Matrix
  ✓ Regulatory Permitting Process
    ✓ Seneca Energy, EPD, Nat. Res. Comm., THPO, Legal, etc.
  ✓ SE Utilities Commission Approval
  ✓ B&F Committee Approval
  ✓ Seneca Nation Council Approval
  ✓ Authorization from the President
Seneca Energy Project Overview

Project Highlights

➢ Cattaraugus Fiber Broadband Project
➢ Cattaraugus Fish Hatchery PV – 8 kW
➢ Allegany Fish Hatchery Microgrid/PV – 13 kW
➢ Oak Tree Housing PV – 10 kW
➢ LED Installations, EE Measures
➢ Microgrid Feasibility Studies
➢ Natural Gas Well P&A Project
➢ Expanding our natural gas distribution infrastructure
➢ 1.5 MW Wind Turbine / 2MW Solar Array
1.5MW Vensys Wind Turbine

**Highlights**

- Capital investment: $3.5MM
  - $2.5MM in grants
  - DOE $1.5MM/NYSERDA $1MM
- Commissioned: 3/8/17
- Power: Virtually net-metered
- 7.5MM/kWh produced
- Community benefits - $25 monthly credit
- Project payback: ~8 years

**Generation/Emissions Stats**

- ~15MM kWh produced since commissioning
- Equivalent of powering 2,083 homes (7,200 kWh NYS avg.)
- 2,290 cars emissions removed for 1 year
Turbine Construction
Rotor Fly
2MW Solar Array

Highlights

➢ Capital investment: $3.4MM
➢ Power: Virtually net-metered
➢ Project payback: ~11 yrs.
➢ ~9MM kWh generated
➢ ~Equivalent to homes / cars
➢ Financing:
  ✓ Seneca Nation funded construction
  ✓ NYSERDA Grant: ~700,000
2MW Solar Array
Cattaraugus Fiber Broadband Project

Project Highlights

- 50-Mile Fiber Broadband Project
- Majority aerial w/ ~5 miles underground
- Crossed I90; Crossed RR’s
- Replaced 260 NGRID utility poles on Terr.
- Connected over 100 residents and businesses to date
- 300+ additional residents and businesses are signed up
- Fiber and Calix equipment purchases
Cattaraugus Fiber Broadband Map
Partner with Seneca

The Seneca Nation is building partnerships with other Native communities to bring Earth-healing solutions and energy sovereignty to Native people everywhere.

➢ Seneca Solar and Seneca Energy are deploying renewable energy projects that include community solar and wind, while:
   ✓ Supporting economic self-determination and energy sovereignty for Native Communities.
   ✓ Building a Tribal workforce and Indigenous enterprise capacity to benefit current and future generations.

➢ Working together seamlessly, and with other trusted partners, we have the flexibility to meet Native Nation’s unique needs.
   ✓ **Seneca Energy** works with Native communities to build projects on Native lands responsibly and in close partnership.
   ✓ **Seneca Solar** develops renewable energy projects on Native and non-Native lands.

Let’s do the most good. Together
Our Services

We help our clients achieve their goals while maximizing benefits to the environment and society. We offer:

➢ **Strategic advisory services**: We help clients develop collaborations, strategies, organizational structures, and projects that meet the goals of diverse internal and external stakeholders.

➢ **Consulting and project management**: We leverage our experience and strength in project execution to help clients proactively mitigate risks and deliver results on environmental projects.

➢ **Solution development and delivery**: We have the capacity, experience, and partners to deliver a wide range of Earth-healing solutions across the U.S. and abroad.

➢ **Tribal engagement**: We bridge trust gaps with tribes and other Indigenous groups on environmental project planning and delivery.
Contact Info. / Questions?

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