Genesee Valley Transmission Project (GVT)

RG&E
An Avangrid company

Project Overview

The Genesee Valley Transmission Project (GVT) is a proposed electric transmission project under RG&E's Powering New York initiative. The project is intended to modernize aging transmission infrastructure and enhance reliability across Monroe and Livingston Counties.

The GVT Project will:

- Help meet the region's energy needs
- Rebuild and enhance approximately 30 miles of existing 115kV transmission lines
  - Replace 70-year-old wooden structures along 27.1 miles of line with modern steel monopoles
- Reconductor a 2.6-mile segment to enhance performance
- Update two substations

Improving System Reliability

- Replacing aging infrastructure to reduce outage risk and improve system performance
- Enhancing resiliency to better withstand extreme weather
- Reducing congestion and improving how electricity flows across the system

Working with the Community

- Rebuilding infrastructure primarily within the existing right-of-way
- Limiting land disturbance and reducing disruption for nearby residents and landowners
- Supporting reliable service for essential facilities and economic activity for businesses, hospitals, schools, and emergency services
- Engaging with landowners, municipalities, and stakeholders throughout project development

GVT is part of RG&E's Powering New York initiative

A Stronger, More Reliable Grid

Upgrading 420 miles of transmission lines and 25 substations statewide

Replacing infrastructure that has reached or exceeded its useful life

Reducing outage risk associated with aging infrastructure

Powering Growth Across NY

Responding to an increase in transmission load requests

Meeting increasing energy demands and supporting residential, commercial, and agricultural growth

Powering healthcare facilities, local economies, and major manufacturing employers

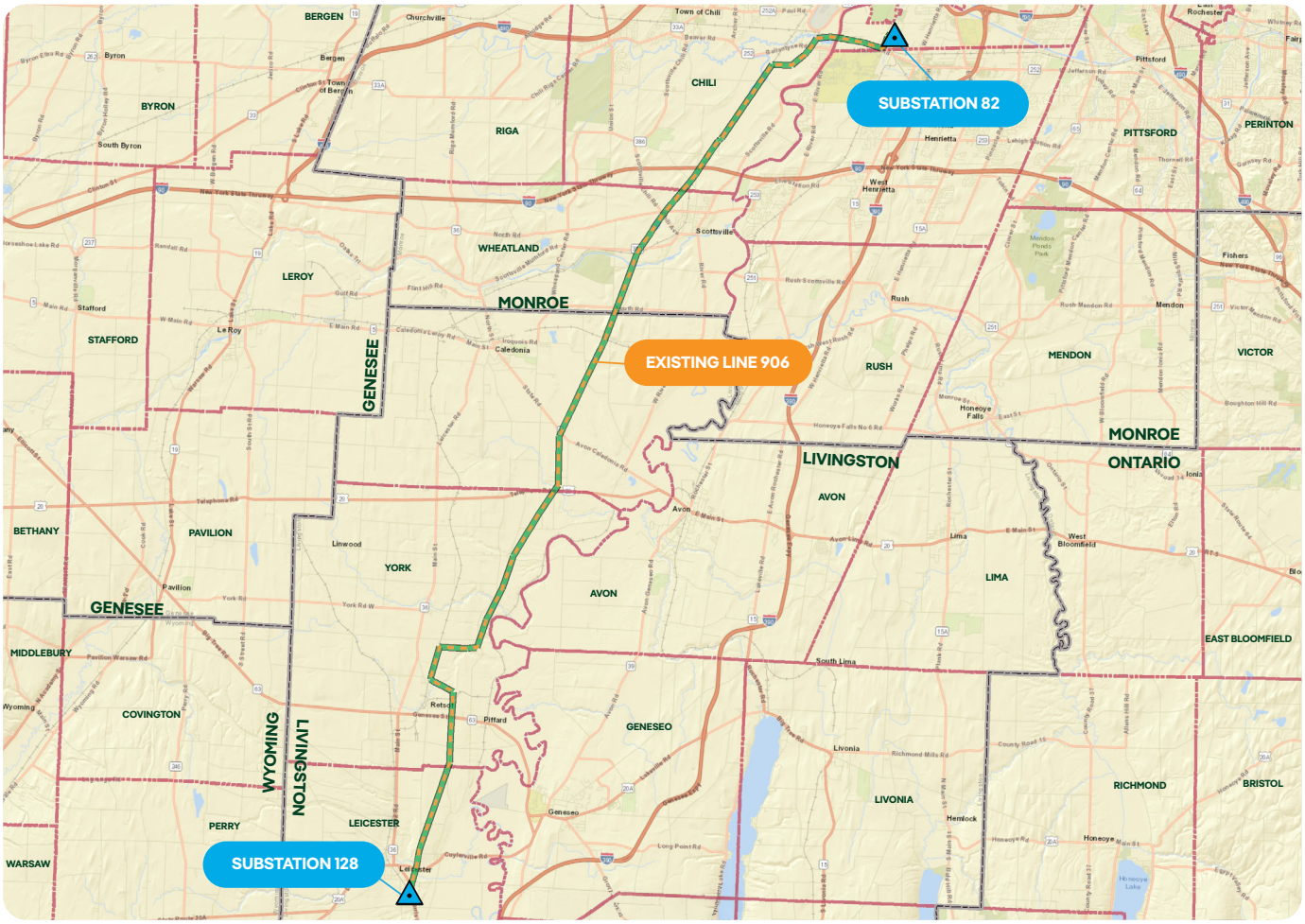
Built with and for Communities

More than 170 years of service to NYS communities

More than 900 miles of transmission infrastructure across the RG&E territory

Supporting reliable service, environmental responsibility, and the communities we serve

Project Map



Electric Demand Has Changed. The Grid Must Too.

A home 60 years ago used electricity for a few essential tasks. Today, it powers nearly every part of life. We are building a grid that will meet our needs today and power our communities tomorrow.

	1960's Home (Average 1,400 square foot)	**Modern Home** (Average 2,400 square foot)
Service	30–60 amp	150–200+ amp
Usage	Limited, Occasional Electricity Use	Always-on, High-Demand Usage, Multiple Systems Running At Once
Typical Appliances	Lighting, Refrigerator, Radios	Lighting, Additional Appliances, Modern Electronics, Internet, Electric Vehicles
Cooling	Windows, Fans	Central Air Conditioning
Heating	Gas, Oil	Gas, Oil, Electric
Demand	**Peak demand: ~3–5 kW**	**Peak demand: 20+ kW**

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Stay Informed

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