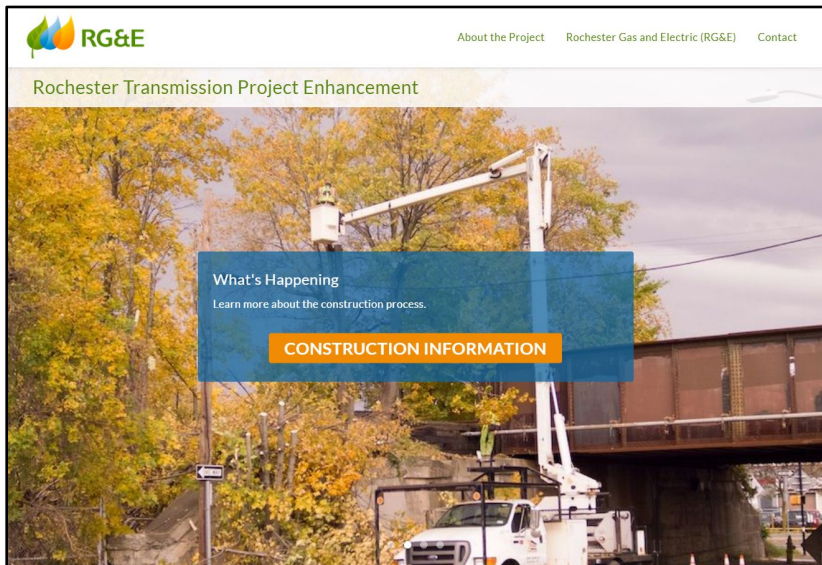




Rochester Transmission Project (RTP) Enhancement Case 20-T-0103

September 15, 2020

www.rochestertransmissionenhancement.com



NYSPSC Public Statement Hearing Project Overview & Informational Forum

Jon Russell, Project Manager

Contents

1. Introductions
2. Project Overview & Need
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❖ Introductions

❖ RG&E/RTP Enhancement Presenters:

- Jon Russell – RTP Enhancement Project Manager
- Alex Roth – RTP Enhancement Public Outreach Specialist

Visual Simulation of Existing Conditions Compared to the Proposed Project



Existing ROW looking west from Hinchee Road, taken October 8, 2019.



Simulation of Proposed Line on Existing ROW looking west from Hinchee Road.

2.1 Project Overview & Need

Project Need:

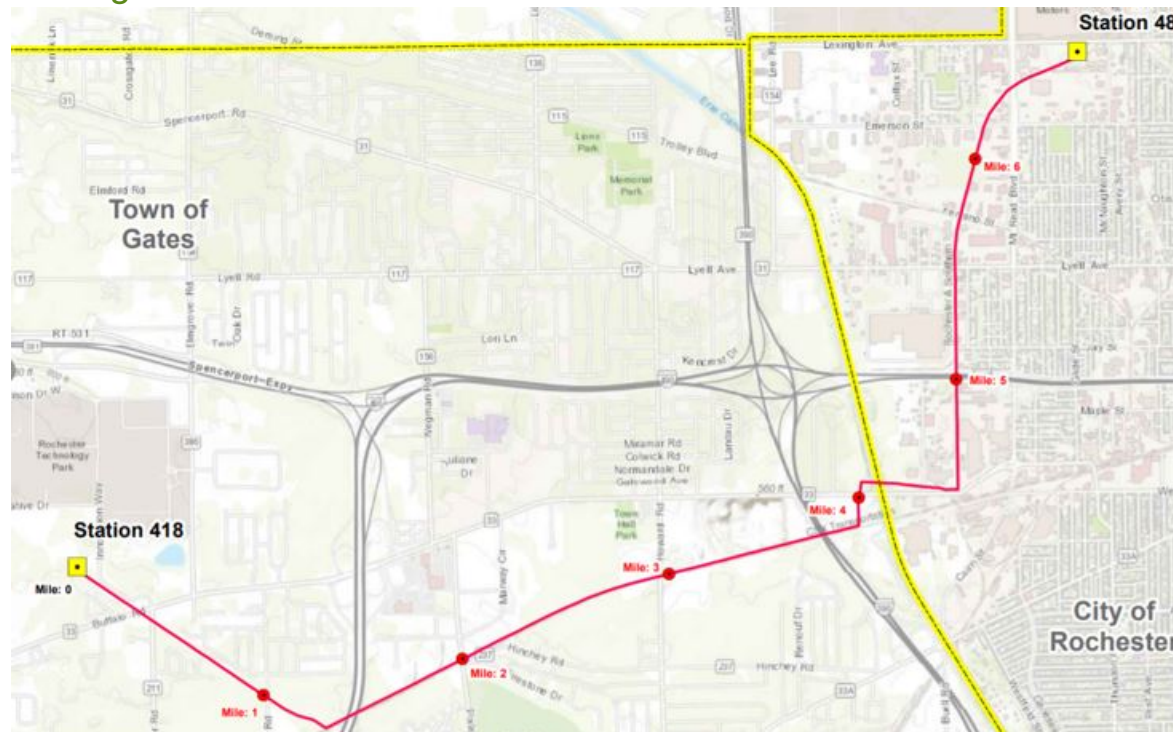
- ❖ In 2010 the Federal Energy Regulatory Commission (FERC) established a "Brightline" threshold that redefined Bulk Electric System (BES) transmission elements as those operating at 100kV and above. In response, the North American Electric Reliability Corporation (NERC) updated its reliability standards and issued a "Brightline Order."
- ❖ The new line will allow RG&E to comply with these more stringent reliability standards issued at the federal level. The line would create direct electric transmission capacity between Station 418 and Station 48, which would reinforce the bulk power supply and increase the reliability of service under certain contingency scenarios.

Project Benefits:

- ❖ The upgraded and expanded facilities will meet the growing demand for additional power in the Rochester region.
- ❖ The additional energy brought into the area by the Project will encourage and support expanded economic development.
- ❖ The upgrades will improve the reliability and resiliency of the entire transmission system, ensuring that the safe and reliable distribution of power is maintained.

2.2 Project Overview & Need – Transmission Lines

- ❖ RG&E completed the Rochester Transmission Project (RTP) in 2010. That project involved about 32 miles of new and rebuilt 115kV electric transmission lines and equipment upgrades at several substations in Wayne County and a new 5.7 mile 115kV electric transmission line and substation and equipment upgrades in Monroe County.
- ❖ RG&E now proposes to enhance the RTP by building a new 6.7 mile 115kV electric transmission line (Line 949) from Station 418 in the Town of Gates to Station 48 in the City of Rochester.
- ❖ The Project, known as the RTP Enhancement, would be installed primarily along existing electric transmission corridors. Structures would be replaced to allow for co-location of the new transmission line with lines that currently exist along the selected route.



2.3 Project Overview & Need - Substations



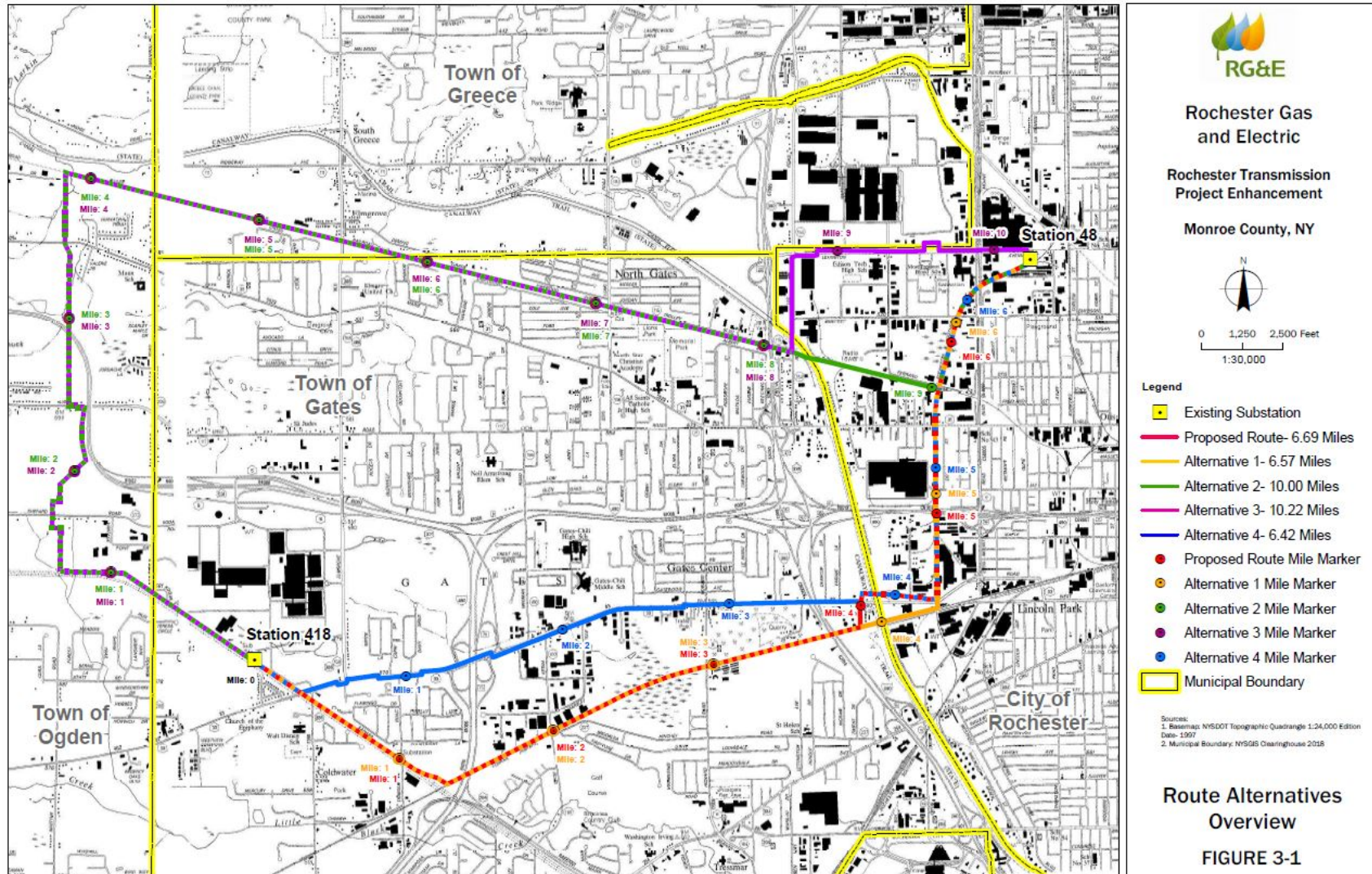
Station 418 – Substation to be expanded and upgraded to accommodate the receipt of Line 949.



Station 48 – Substation to be expanded in fenced off parking lot area to the left. The expansion will install one (1) A-frame structure, one (1) new 115kV Circuit Breaker and one (1) 115kV Tie Breaker at the existing 115kV system.

3.0 Proposed Route & Alternatives

- ❖ RG&E analyzed a number of alternatives to the proposed Project with respect to alternative line routes, alternative structure types, and other methods to fulfill the requirements to meet the energy need.



4.0 Environmental Review & Permitting

- ❖ The Project will be designed, constructed, maintained, and operated to avoid and minimize impacts to environmental resources in the vicinity of the Project.
- ❖ To construct the Project, RG&E will need, in addition to other necessary permits:
 - Two approvals from the New York State Public Service Commission under Article VII of the Public Service Law: the amended Certificate of Environmental Compatibility and Public Need for the Rochester Transmission Project, and approval of an Environmental Management & Construction Plan (EM&CP).
 - Federal approval from the U.S. Army Corps of Engineers.
 - New York State approval from or consultation with the New York Department of Environmental Conservation, New York State Office of Parks, Recreation & Historic Preservation and the New York State Department of Transportation.
 - Consultation with CSX Transportation and the Rochester & Southern Railroad.
 - Consultation with or approval from Monroe County, the City of Rochester and the Town of Gates.



5.0 Public Outreach

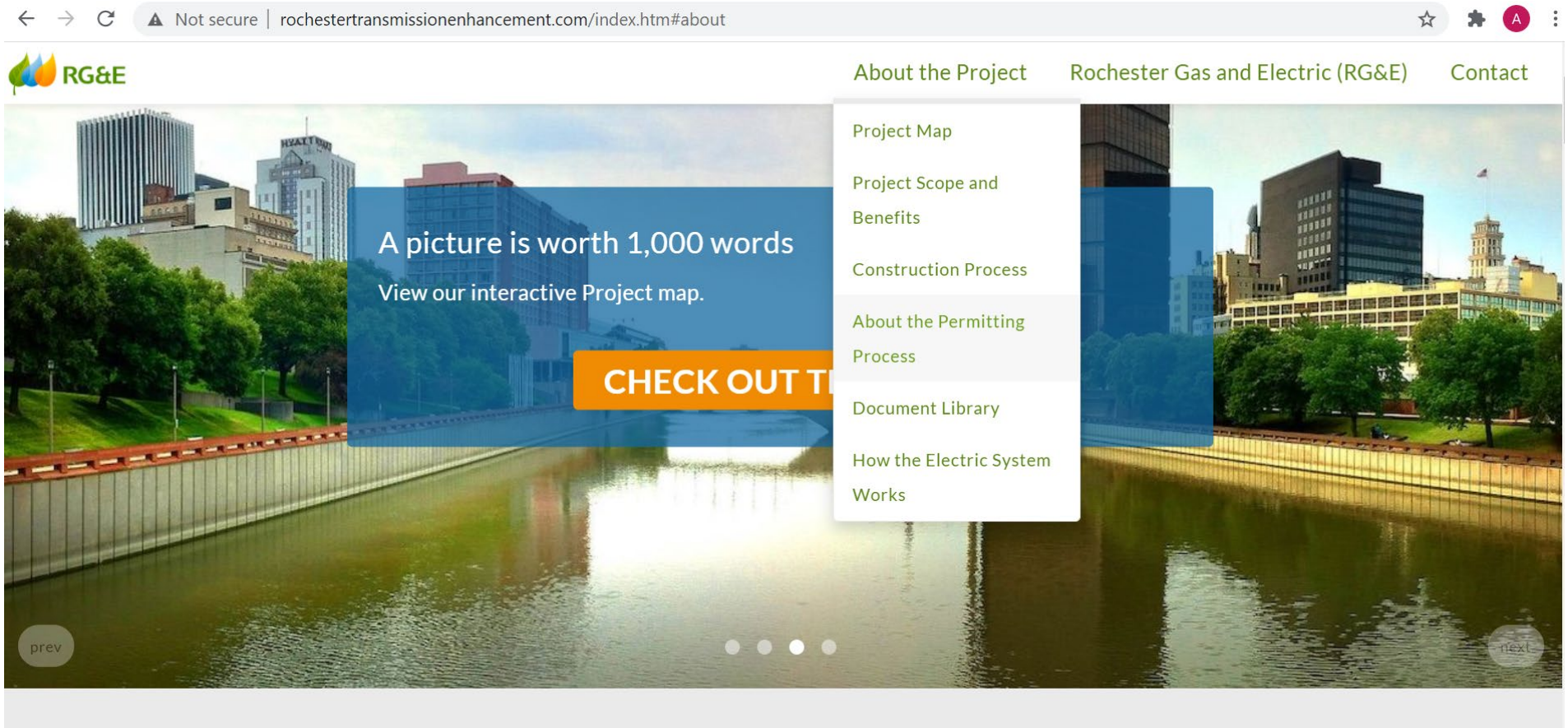
- ❖ Informational mailings to owners of properties on or near the Project route and alternatives.
- ❖ Copies of Article VII Amendment Application mailed to state and local governmental officials, and hard copies are available for public inspection at PSC and in these local libraries: Gates Public Library, Central Library of Rochester & Monroe County and Rochester Public Library-Lyell Branch.
- ❖ Open House Public Information Meetings held on March 10 and 11, 2020, at the Rochester Public Library-Lyell Branch and Gates Town Hall.
- ❖ Newspaper notifications of Article VII Amendment Application and Public Statement Hearings.
- ❖ Toll-free Project telephone line: 888.379.9995
- ❖ Website: RochesterTransmissionEnhancement.com
- ❖ Email Address: info@RochesterTransmissionEnhancement.com



6.1 Project Website

The Project website contains all the information provided at a traditional open house.

www.rochestertransmissionenhancement.com



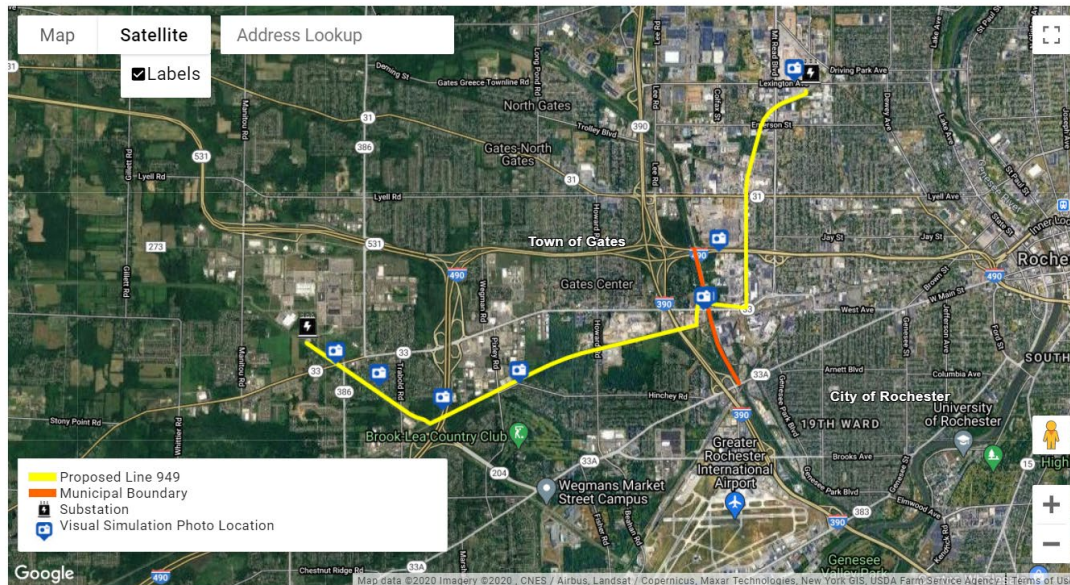
6.2 Project Website – Project Map

Navigating to the Project Map will allow you to find your home in relation to the project route.



About the Project Rochester Gas and Electric (RG&E) Contact

Project Map



6.3 Project Website – Project Overview & Engineering



RG&E
An AVANGRID Company

Rochester Transmission Project
(RTP) Enhancement

Visual Simulation of Existing Conditions Compared to the Proposed Project



Existing ROW looking southeast from Buffalo Road along proposed improvements, taken July 18, 2019.



Simulation of Proposed Line on Existing ROW looking southeast from Buffalo Road along proposed improvements.

From the map you can view visual simulations at various points.

From the About the Project drop down menu you can view overview information such as Project Scope & Benefits.



About the Project

Project Map

Project Scope and Benefits

Construction Process

About the Permitting Process

Document Library

How the Electric System Works

- Addition of a new 115kV transmission line (L949) between Station 48 (City of Rochester) and Station 418 (Town of Gates).
- Proposed L949 total length approximately 6.7 miles located in the City of Rochester (2.5 miles) and Town of Gates (4.2 miles).
- Expansion and upgrade of Stations 48 and 418 to accommodate the receipt of power from the new transmission line.
- Minimizing land impacts by installing L949 along existing electric transmission way and replacing single-circuit poles with double-circuit poles.
- Public Outreach will be conducted via public information meetings, project website updates.
- The project requires an amendment to a PSC Article VII Certificate of Environmental Compatibility and Public Need.

Benefits to the Region

- The upgraded and expanded facilities will meet the growing demand for additional power in the Rochester region.
- The additional energy brought into the area by the project will encourage and support expanded economic development.
- The upgrades will improve the reliability and resiliency of the entire transmission system, ensuring that the safe and reliable distribution of power is maintained.



6.4 Project Website – Project Overview & Engineering

Using the same dropdown menu you can navigate to information on the construction process.

The screenshot displays a website interface for the RTP Enhancement project. At the top left is the RG&E logo. The navigation bar includes links for 'About the Project', 'Rochester Gas and Electric (RG&E)', and 'Contact'. A dropdown menu is open, listing: 'Project Map', 'Project Scope and Benefits', 'Construction Process', 'About the Permitting Process', 'Document Library', 'How the Electric System Works', and 'Works'. The main content area is titled 'Overhead transmission line construction involves the following stages:' and is divided into seven numbered sections, each with a photo and descriptive text:

- 1) Survey**: Photo shows surveyors with equipment. Text: 'Prior to beginning construction activities in any given area, survey crews walk every mile of the route to mark construction locations and right-of-way (ROW) limits in accordance with the approved Environmental Protection and Construction Plan (EM&CP). The survey crews will use different colored flags and stakes to identify clearing limits, danger trees, access roads, structure locations and work spaces, and sensitive natural resources.'
- 2) Clearing**: Photo shows an excavator clearing land. Text: 'Before construction can begin, vegetation from the ROW must be removed to assist crews in creating a safe, level work surface, and to remove vegetation and trees capable of growing into the transmission lines and "danger trees" that could fall into the lines. After tree removal, the work area will look different, however, native shrubbery and ground cover will typically grow back.'
- 3) Construction Process**: Photo shows construction equipment. Text: 'Existing roads and parking lots will be used where practical. Where necessary, new access roads will be constructed, preferably within the ROW. Timber mats will be used to protect lawns, agricultural fields and other sensitive areas such as wetlands. After construction is complete and the area is completely rehabilitated, we will restore roads and entrances as required. Strict run-off controls will be in place and managed throughout the project.'
- 4) Foundation Work**: Photo shows a drilling rig. Text: 'Structure types and heights are based on the unique engineering requirements for each project location. The structures that will be used for the RTP Enhancement are double circuit monopole structures and will either be direct embed or erected on concrete foundations. For structures with foundations, concrete will be delivered by truck.'
- 5) Structure Placement**: Photo shows a transmission tower.
- 6) Wire Work**: Photo shows power lines.
- 7) Restoration**: Photo shows a landscape.

6.5 Project Website – Routing & Environmental

The website contains a Document Library which includes the entire Project Application.

The complete Routing Alternatives Analysis (map shown in earlier slide) is available, as well as other environmental analysis documents and engineering documents such as right-of-way cross sections.



Title

- Revised Fact Sheet
- RTP Enhancement Article VII Application
- RTP Enhancement Fact Sheet

About the Project

Project Map

Project Scope and Benefits

Construction Process

About the Permitting Process

Document Library

How the Electric System Works

How the Electric System Works

The electric grid consists of high-voltage transmission lines and low-voltage distribution power generation plants to community areas that need electricity.



RTP Enhancement Article VII Application

Home / RTP Enhancement Article VII Application

Title	Date	Size
Filing Letter	02/12/2020	132 KB
Request For Exception From Disclosure	02/12/2020	160 KB
Certificate Of Service Article VII Amendment	02/12/2020	184 KB
Certificate Of Service Landowner Notice	02/12/2020	177 KB
Application Document (Rtp Enhancement)	02/12/2020	49 KB
Exhibit 1 General Information Regarding Application	02/12/2020	11 KB
Exhibit 2 Location Of Facilities	02/12/2020	9.28 MB
Exhibit 3 Alternatives	02/12/2020	3.37 MB
Exhibit 4 Environmental Impacts	02/12/2020	10.53 MB
Exhibit 5 Design Drawings	02/12/2020	45 KB
Figure 5-1 Plan And Profile	02/12/2020	16.13 MB
Figure 5-2 Cross Sections	02/12/2020	2.93 MB
Figure 5-3 Typical Structure Type Details	02/12/2020	2.25 MB
Figure 5-4 Typical Foundation Details	02/12/2020	1.08 MB
Figure 5-5 Typical Insulator Details	02/12/2020	13.12 MB
Figure 5-6 System One-Line Diagram For Station 48	02/12/2020	1.15 MB
Figure 5-7 Site Plan For Station 48	02/12/2020	881 KB
Figure 5-8 System One-Line Diagram For Station 418	02/12/2020	1.20 MB
Figure 5-9 Site Plan For Station 418	02/12/2020	1.36 MB
Exhibit 6 Economic Effects Of Proposed Facility	02/12/2020	29 KB
Exhibit 7 Local Ordinances	02/12/2020	1.12 MB
Exhibit 8 Other Pending Filings	02/12/2020	83 KB
Exhibit 9 Cost Of Proposed Facilities	02/12/2020	1.22 MB
Exhibit E-1 Description Of Proposed Transmission Facilities	02/12/2020	36 KB
Exhibit E-2 Other Facilities	02/12/2020	76 KB
Figure E-2-1 One-Line Diagram Of Project Modifications Within Station 48	02/12/2020	1.15 MB
Figure E-2-2 One-Line Diagram Of Project Modifications Within Station 418	02/12/2020	1.20 MB
Exhibit E-3 Underground Construction	02/12/2020	11 KB
Exhibit E-4 Engineering Justification	02/12/2020	79 KB
Figure E-4-1 One-Line Diagram Of The Project	02/12/2020	28 KB
Attachment E-4-A Site Correspondence	02/12/2020	26 KB
Exhibit E-5 Effect On Communications	02/12/2020	1.59 MB
Exhibit E-6 Effect On Transportation	02/12/2020	1.98 MB
Appendix A Public Outreach	02/12/2020	1.11 MB
Appendix B Pre-Filed Testimony	02/12/2020	820 KB



6.6 Project Website – Routing & Environmental

The Document Library contains environmental exhibits which review wetlands, soil depth, hydric soils, farmland soils and mapped streams and surface waterbodies.



About the Project

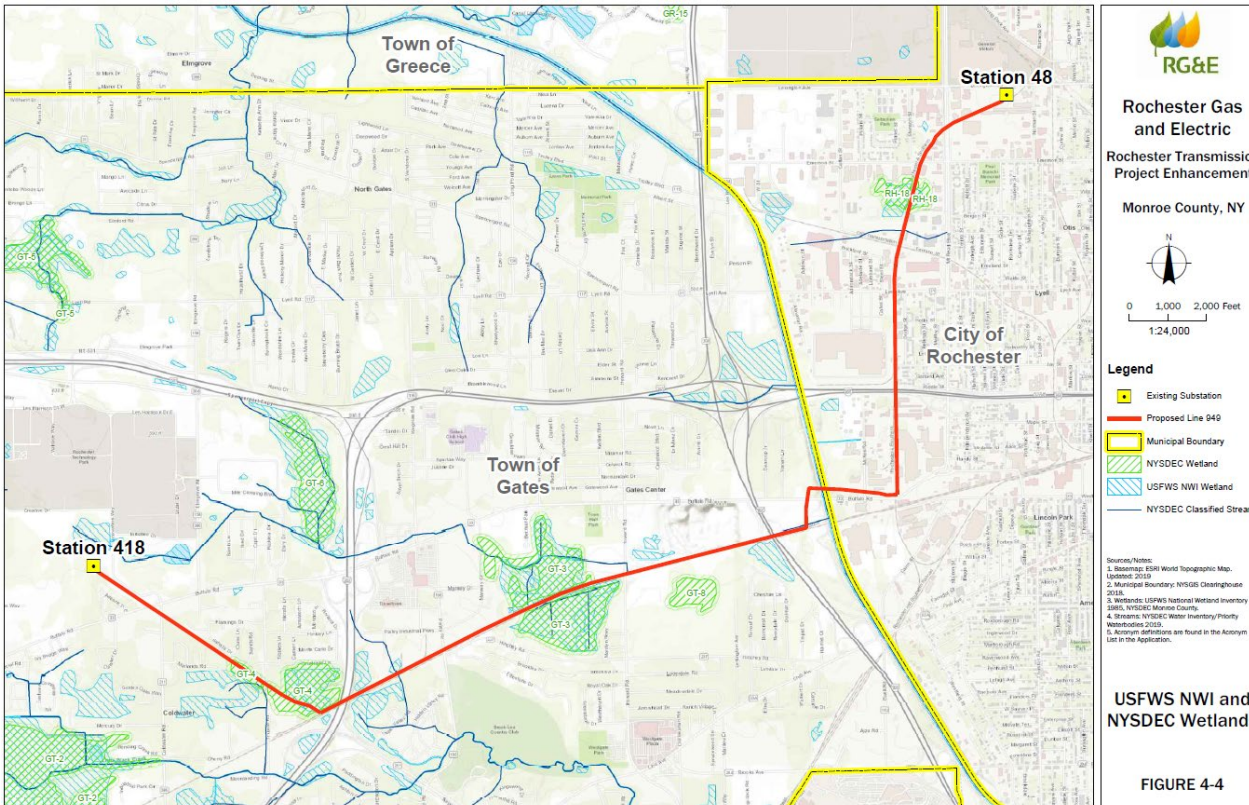
- Project Map
- Project Scope and Benefits
- Construction Process
- About the Permitting Process
- Document Library
- How the Electric System Works

About the Permitting Process

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approval from or consultation with CSX Transportation and the Rochester Railroad. In addition, RG&E will require approval from or consultation with Monroe County, the City of Rochester and the Town of Gates.



The website has a dropdown to an overview of the permitting process similar to what was discussed during the project overview portion of this presentation.



6.7 Project Website – Contact Us



About the Project

Rochester Gas and Electric (RG&E)

Contact

Rochester Gas and Electric (RG&E):

RG&E, a subsidiary of AVANGRID, serves approximately 378,500 electricity customers and 313,000 natural gas customers in a nine-county region centered on the City of Rochester. Affiliated with Iberdrola SA, AVANGRID owns eight electricity, natural gas or combination utilities in Connecticut, Maine, Massachusetts, and New York. The utilities serve 2.2 million electricity customers, 930,000 natural gas customers, and are recognized for safe, reliable energy delivery, excellent customer service, and a commitment to the community and environment.

For more information, visit rge.com and avangrid.com

Get in touch

T: 1-888-379-9995

E:

Info@RochesterTransmissionEnhancement.com

Ask a question?

Name*

Email*

Street Address*

Question*

I'm not a robot



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SUBMIT

