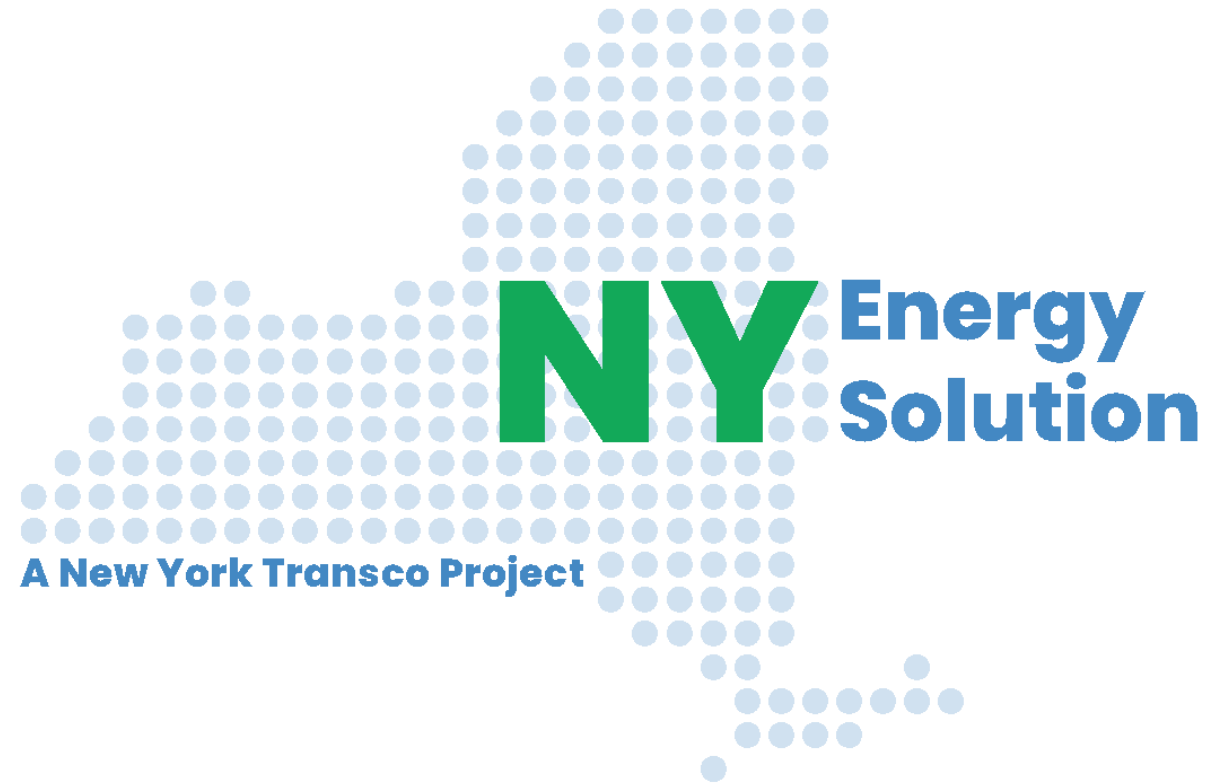


New York Energy Solution

June 13, 2019

Town of Gallatin

Town Board Meeting



Who is New York Transco?

- Developer of New York Energy Solution (NYES)
- Owner and developer of bulk power transmission facilities in New York
- Electric transmission solutions designed to
 - Reduce energy prices
 - Facilitate the growth of clean energy
 - Ensure system reliability
- New York Transco is owned by subsidiaries of Con Edison, National Grid, AVANGRID and CH Energy Group

Completed Projects:

Ramapo – Rock
Tavern 345kV
Transmission Line

Fraser – Coopers
Corners 345kV Line
with Reactive Support

Staten Island
Unbottling

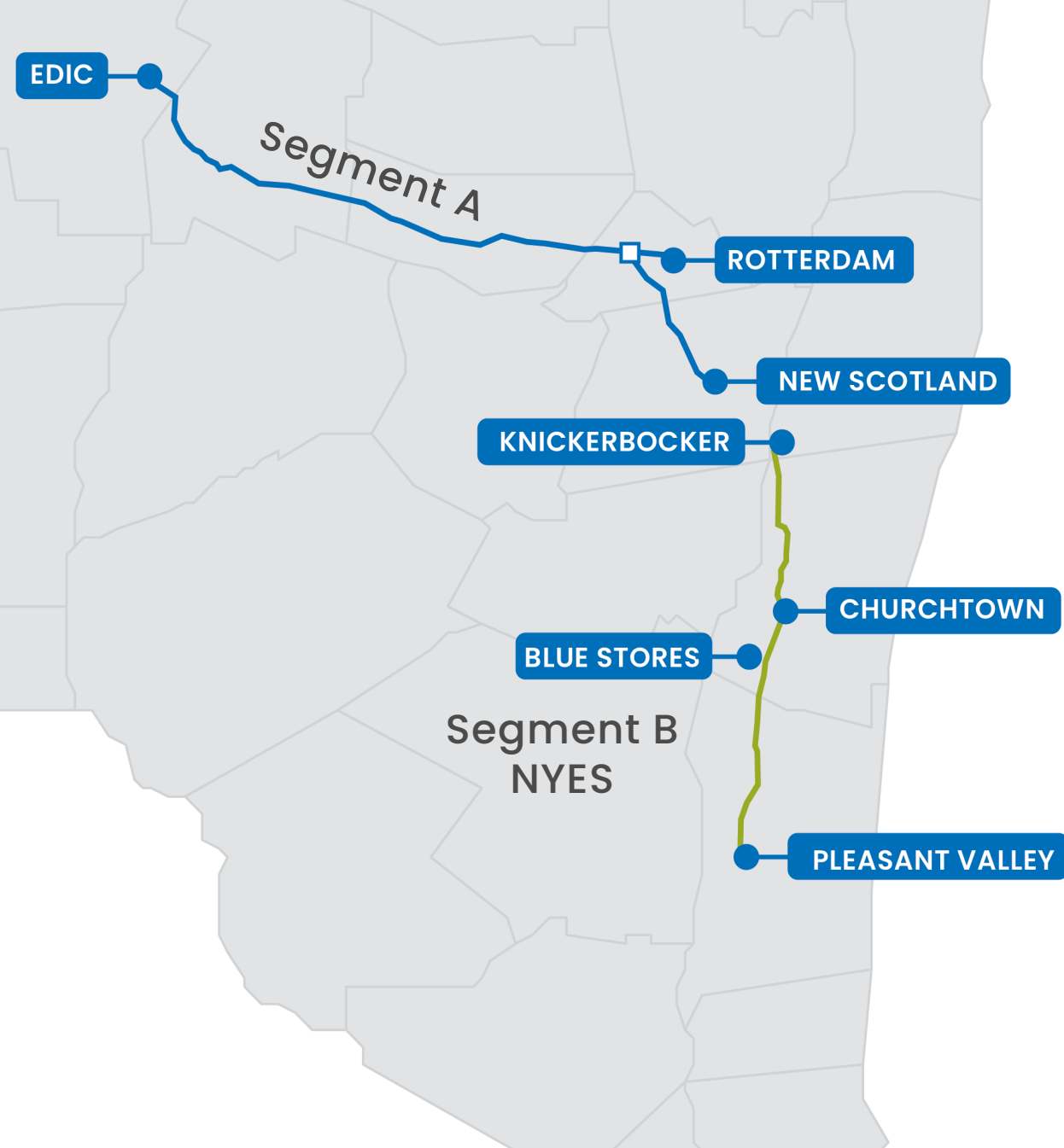
Why are we meeting today?

- Introduce the project & key team members
- Open dialogue
- Very early in the process
- First of many opportunities to discuss the project
- Good projects result from good public involvement



NYISO-Selected Transmission Solutions

- Relieve congestion & facilitate renewables
- Use existing utility rights-of-way
- Replace aging infrastructure



Segment A:

- Marcy to New Scotland and Rotterdam
- Developed by LS Power & NYPA

Segment B:

- New York Energy Solution
- Schodack to Pleasant Valley
- Developed by New York Transco

What is the New York Energy Solution?

KNICKERBOCKER

Schodack

BLUE STORES

Livingston

CHURCHTOWN

Claverack

PLEASANT VALLEY

Pleasant Valley

- Electric transmission upgrade
 - Retire and replace aging electric infrastructure
 - Relieve congestion
 - Enhance reliability
 - Facilitate renewable energy
- Reuse existing utility rights-of-way, property & assets
- Approximately 54 miles through 11 towns from Schodack to Pleasant Valley; 2 mile tap line
- Transmission line and station work
- Selected by NYISO in competitive process → most cost-effective, efficient, environmentally beneficial and resilient project

Key NYES Benefits

Replaces Aging
Infrastructure

Stays within Existing
Rights-of-Way

Reduces Number
of Structures:

260 less in ROW

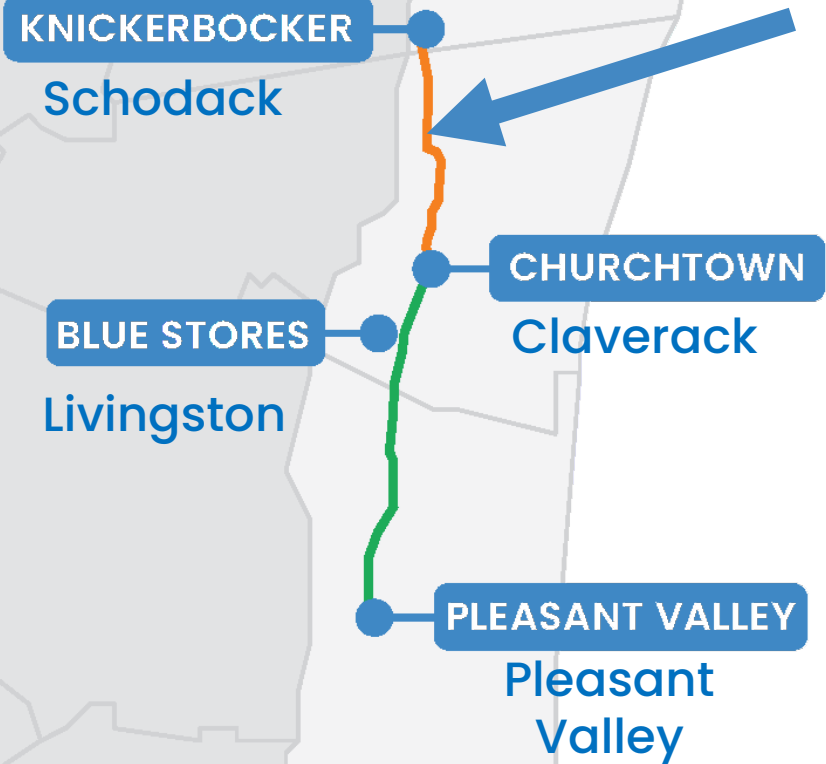
(708 removed; 448 installed)

More Resiliency

Unlocks Clean
Energy Resources

Job Creation
& Tax Revenues

Project Scope: Knickerbocker to Churchtown



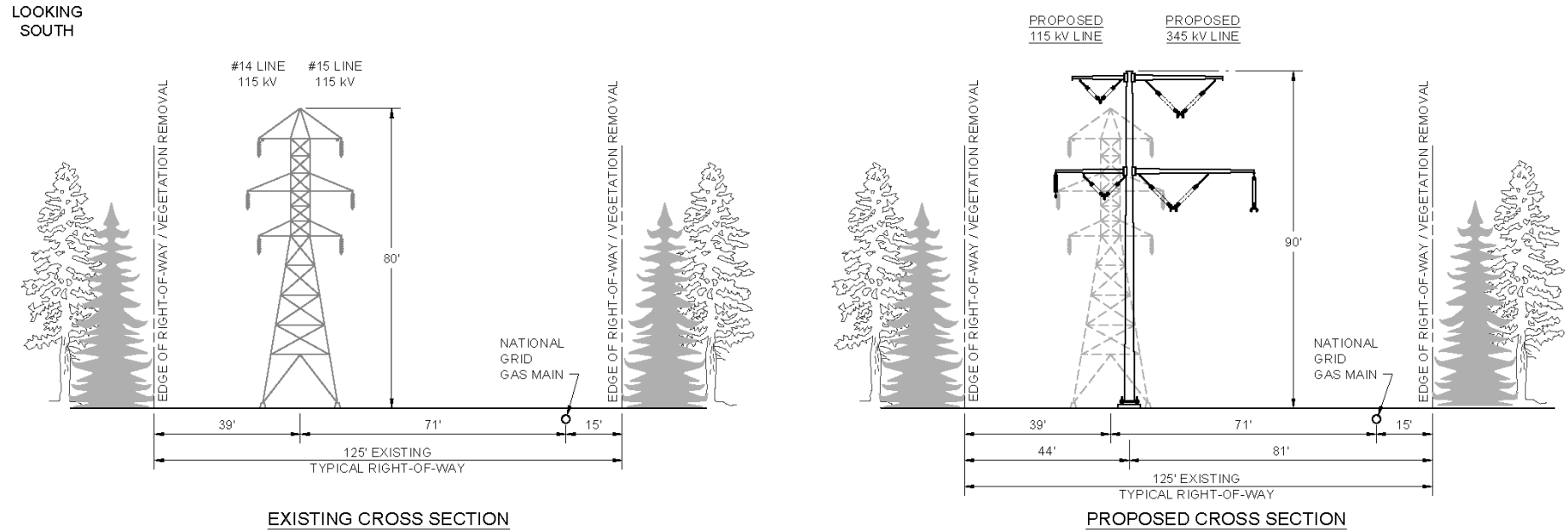
- New 345kV switching station in Schodack on utility-owned property
- Retire & remove one existing 115kV transmission line on lattice structures
- Build approximately 22-mile new 345kV transmission line in existing corridor on a new double-circuit monopole
- Towns*:

Schodack	Stuyvesant	Stockport	Ghent	Claverack
2.5 miles	8 miles	4.5 miles	0.9 miles	6.4 miles

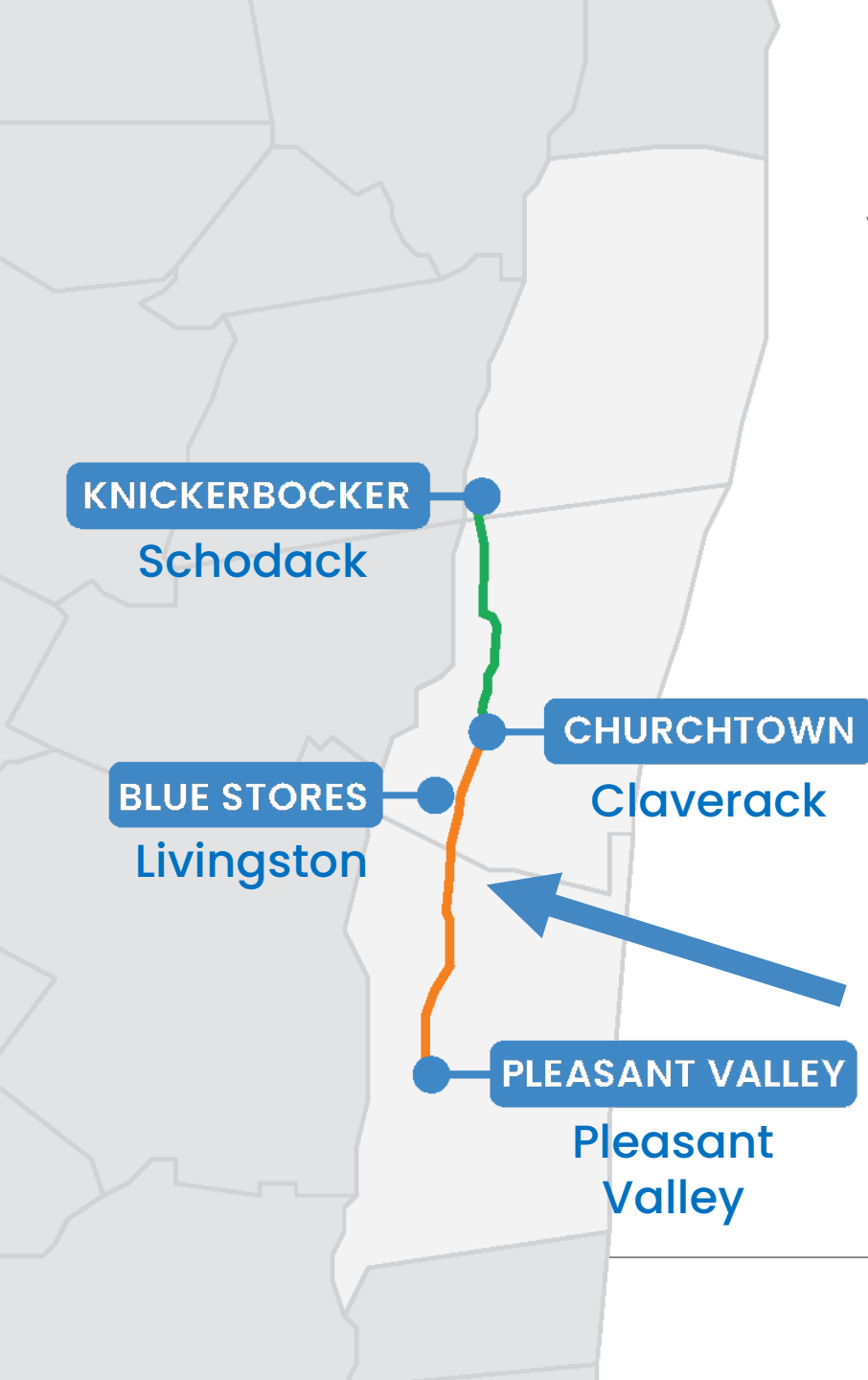
*Mileage is approximate

345 kV line – Schodack to Claverack

- General configuration
- Approx. 22 miles
- Removes 80-year-old assets
- Ave. height increase 10 feet
- Stronger foundation with less footprint – 4 foundations down to 1



Project Scope: Churchtown to Pleasant Valley



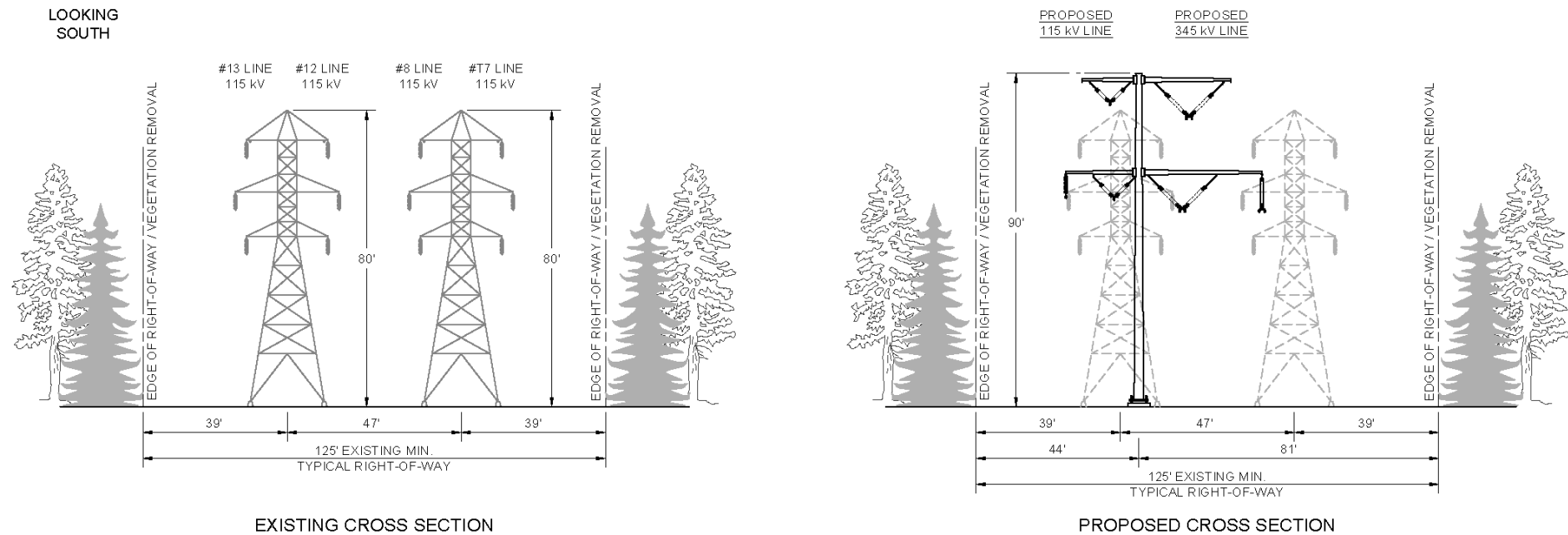
- Rebuild existing NYSEG Churchtown Switching Station
- Retires three existing 115kV transmission lines and removes two existing 115kV lattice structures
- Build approximately 32-mile new 345kV transmission line in existing corridor on a new double-circuit monopole
- Towns*:

Claverack	Livingston	Gallatin	Clermont	Milan	Clinton	Pleasant Valley
0.9 miles	8 miles	1.2 miles	0.7 miles	8 miles	8 miles	5.1 miles

*Mileage is approximate

345 kV line – Claverack to Pleasant Valley

- General configuration
- Approx. 32 miles
- Removes 80 year old assets
- Replacing two structures with one
- Ave. height increase of 10 feet
- Stronger foundation with less footprint – 4 foundations down to 1



NYES in Gallatin



2 with 1 Replacement	Structures Removed	Structures Added	Structure Difference
1.2 miles	18	9	-9

- All work within existing utility rights-of-way
- Replacing aging structures & putting in new 345kV line
- Line crosses: Snyderville Rd; Jackson Corners Rd



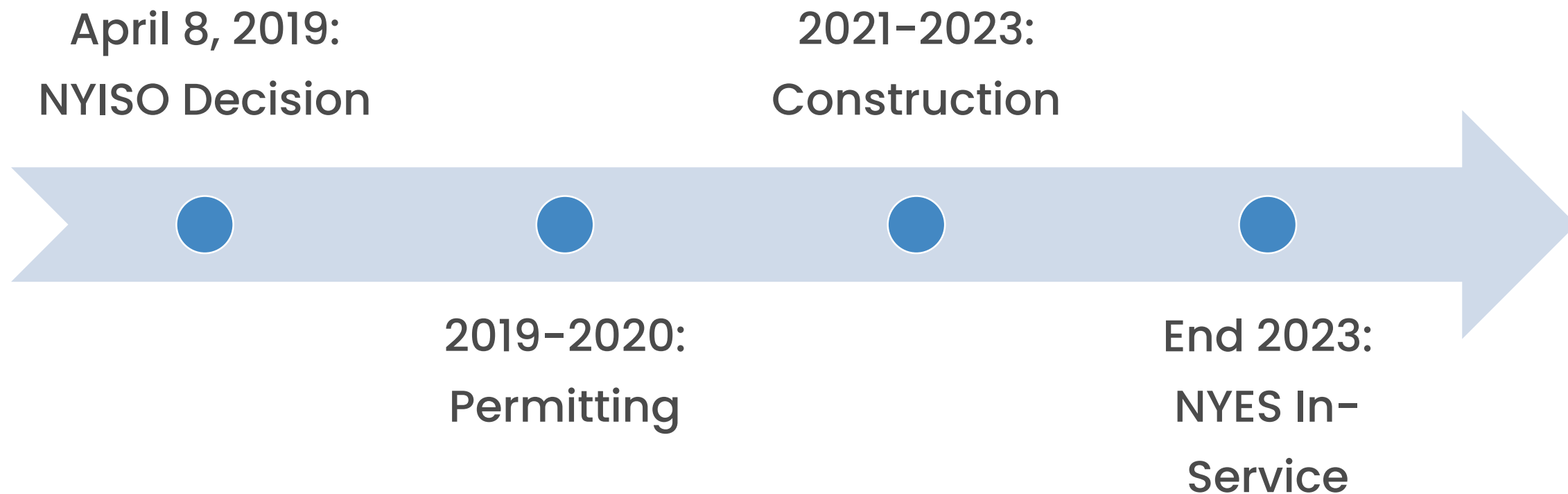
Town-by-Town Overview

Town	1 with 1 Replacement	2 with 1 Replacement	Other work	Structures Removed	Structures Added	Structure Difference
Schodack	2.5 miles	—	New Switching Station	21	21	No Change
Stuyvesant	8 miles	—		71	60	-11
Stockport	4.5 miles	—		33	33	No change
Ghent	0.9 miles	—		8	8	No change
Claverack	5.7 miles	1.5 miles	Rebuilt Switching Station	69	70	+1
Livingston	—	8 miles	Approx. 2 mile 115kV structure replacement	148	84	-64
Gallatin	—	1.2 miles		18	9	-9
Clermont	—	0.7 miles		8	4	-4
Milan	—	8 miles		132	56	-76
Clinton	—	8 miles		118	59	-59
Pleasant Valley	—	5.1 miles	New Equipment at Existing Substation	82	44	-38

All work is within existing rights-of-way or on utility-owned property

NOTE: All mileage is approximate & structure totals are preliminary

Approximate Timeline



Stakeholder outreach & public involvement throughout the process

Permitting



Article VII


- “One-stop-shop” for large electric transmission projects
- New York Public Service Commission
- Basic Steps:
 1. Article VII Application submittal
 2. Public Hearings
 3. Certificate of Environmental Compatibility & Public Need granted
 4. Environmental Monitoring and Construction Plan (EM&CP) submitted and approved
 5. Notice to Proceed with Construction
- Many public involvement opportunities

Other Permits

- U.S. Army Corps of Engineers
- FAA Review
- New York State DOT permits
- Local highway permits

Current Activities

1. Stakeholder Outreach
2. Survey Work




FOR IMMEDIATE RELEASE
April 11, 2019

Contact: John Maserjian
845.471.8323, john.maserjian@NYTransco.com

New York Transco to Advance Electric Transmission Project that Reuses Existing Utility Corridors to Replace Aging Infrastructure
The New York Energy Solution Will Unlock System Congestion and Facilitate Renewables with Minimal Environmental Impact

Albany, NY (April 11, 2019) – New York Transco was selected as the developer for Segment B of the AC Transmission Public Policy Project by the New York Independent System Operator (NYISO). The selected project—New York Energy Solution (NYES)—stays within existing utility rights-of-way and replaces nearly 80-year old transmission assets located in the upper to mid-Hudson Valley with streamlined, modernized technology, which will enable surplus clean energy resources in upstate New York to help achieve the State’s energy goals.



Information on Survey Activities Spring & Summer 2019

The New York Energy Solution (NYES) is a proposed transmission line upgrade in Rensselaer, Columbia, and Dutchess Counties. To support the siting and permitting process, field crews will undertake the following activities from spring to fall 2019.




Photography (April–June)
Photography will include crews taking many photographs from ground-level. Ideally, there will be two rounds of this photography: one round with the leaves off the trees, and one round with leaves on the trees. LIDAR measurements, which help determine an area’s topography, will also be taken. Crews will use a small aircraft to take measurements using a pulsed laser light. Several control points will be needed at the ground-level for the LIDAR.

Noise Testing (May)
A two-person crew will use specialized equipment at each substation site where work is proposed (in the towns of Schodack, Claverack, and Pleasant Valley) to determine ambient noise levels. The tests will run during both the day and night. Some areas where roads cross the existing transmission line corridor may also be tested.

Environmental Surveys (May–July)
Environmental surveys will consist of wetland boundary flagging, identification of potential rare, threatened, and endangered species habitats, and flagging for potential areas of invasive species. The crews will consist of two to three people who will be taking photos and filling out forms.

Archeological Shovel Testing (May–July)
In order to test for archeologically-significant artifacts, shovel tests will be done by crews of typically two people. The crew will use shovels to dig 18” by 18” test pits, up to three feet deep, and fill out forms and take pictures. Once this is done, the holes will be refilled. A report will be made to the State Historic Preservation Office.

Geotechnical Testing (Soil Borings) (Summer–Fall)
Small machinery, such as a skidsteer, will be mobilized to dig test holes in the transmission right-of-way to determine soil types. These tests are important for finalizing design on the transmission structure foundations.

Get In Touch
 855-433-3611
 www.NY-ES.com
 info@NY-ES.com

Public Involvement

- We are committed to working with all stakeholders throughout the project
- We will conduct regular outreach:
 - Municipal Consultations & Briefings
 - One-on-One Meetings
 - Open houses/Community Meetings
 - Project Notifications
 - Project Website and Other Outlets
- Article VII process includes public involvement opportunities



Contact

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Stakeholder/Communications Lead
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