

Public Policy Transmission Planning Process Update

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WESTERN NEW YORK PUBLIC POLICY TRANSMISSION NEED

Western NY Project Findings

Developer	Project Name	BPTF Issues Resolved?	Non-BPTF Issues Resolved?	Sufficient?
NRG Dunkirk Power	Dunkirk Gas Addition	No	No	No
North America Transmission	Proposal 1	Yes	No	Yes
North America Transmission	Proposal 2	Yes	No	Yes
North America Transmission	Proposal 3	Yes	No	Yes
North America Transmission	Proposal 4	Yes	No	Yes
ITC New York Development	15NYPP1-1 Western NY AC	No	No	No
National Grid	Moderate Power Transfer Solution	Yes	Yes	Yes
National Grid	High Power Transfer Solution	Yes	Yes	Yes
NYPA/NYSEG	Western NY Energy Link	Yes	Yes	Yes
NextEra Energy Transmission New York	Empire State Line Proposal 1	Yes	No	Yes
NextEra Energy Transmission New York	Empire State Line Proposal 2	Yes	No	Yes
Exelon Transmission Company	Niagara Area Transmission Expansion	Yes	Yes	Yes

Western NY Conclusions

- **10 projects are viable and sufficient**
 - *North America Transmission – Proposal #1*
 - *North America Transmission – Proposal #2*
 - *North America Transmission – Proposal #3*
 - *North America Transmission – Proposal #4*
 - *National Grid – Moderate Power Transfer Solution*
 - *National Grid – High Power Transfer Solution*
 - *NYPA/NYSEG – Western NY Energy Link*
 - *NextEra Energy Transmission New York – Empire State Line #1*
 - *NextEra Energy Transmission New York – Empire State Line #2*
 - *Exelon Transmission Company – Niagara Area Transmission Expansion*

Western NY Recommendations

- **The NYISO recommends upgrades to the extent necessary to address remaining non-BPTF issues for the specific project ultimately selected**
 - *Upgrade Niagara – Packard 115 kV #193 and #194 lines*
 - *Replacement of limiting terminal equipment for line #54 at the Gardenville 115 kV station*

Western NY Next Steps

- ◆ **NYISO issued final report on May 31, 2016 and filed the report with the PSC on June 1, 2016.**
- ◆ **PSC reviews the Viability & Sufficiency Assessment to determine, after public notice and comment, whether there continues to be a transmission need driven by a Public Policy Requirement.**
- ◆ **If the PSC finds a continued need for transmission, the NYISO will continue to evaluate transmission solutions to the Western New York Public Policy Transmission Need.**

AC TRANSMISSION PUBLIC POLICY TRANSMISSION NEED

Background

- **September 22, 2015 – DPS staff issued a final report in the PSC AC Transmission proceedings recommending new transmission facilities across Central East and UPNY/SENY interfaces**
- **December 17, 2015 – PSC issued order addressing Public Policy Requirements and identifying the AC Transmission PPTN**
- **February 29, 2016 – NYISO solicited Public Policy Transmission Projects and Other Public Policy Projects, due April 29, 2016**

AC TRANSMISSION UPGRADES

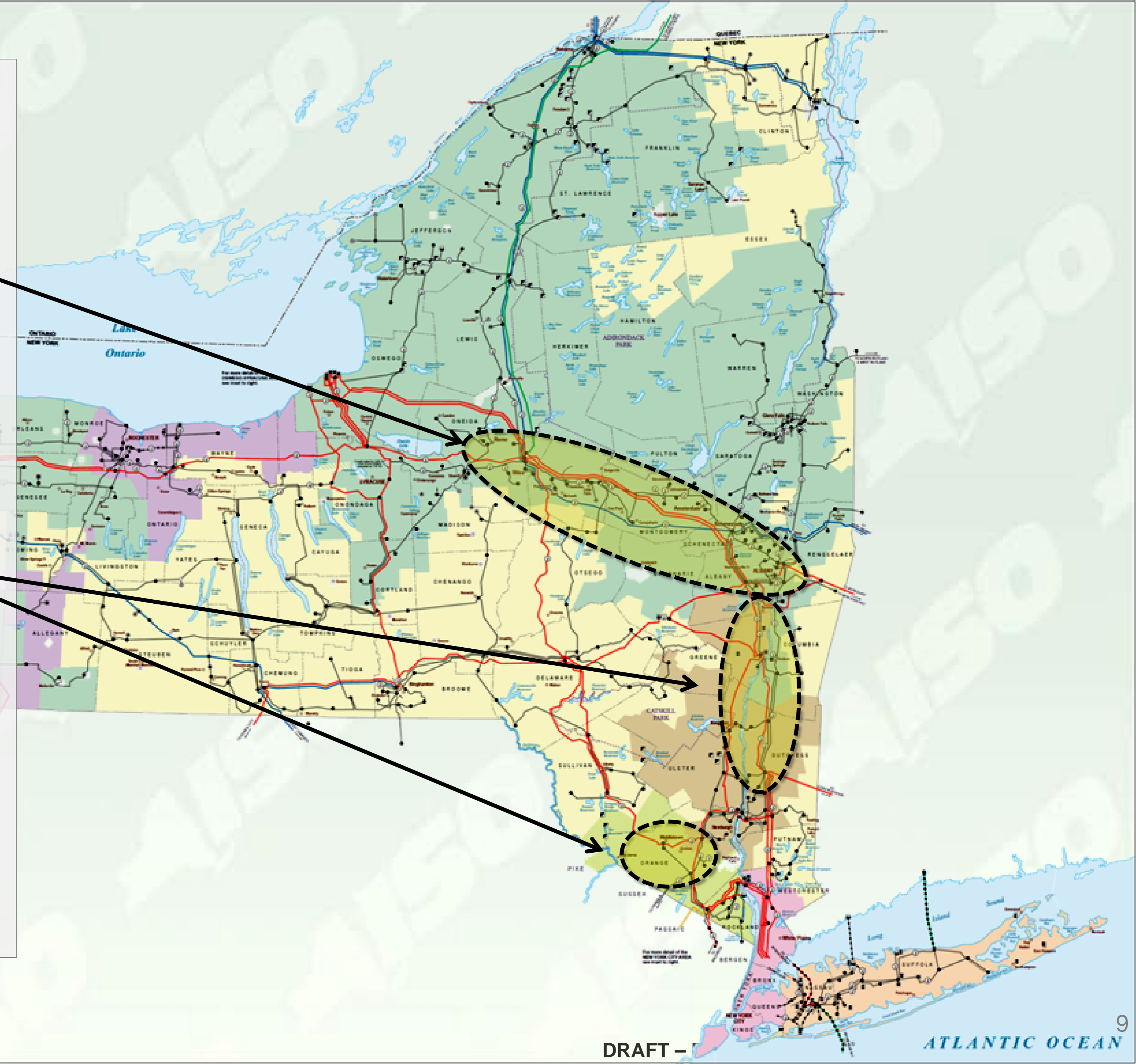
- **Segment A (Central East)**

- *New Edic/Marcy to New Scotland 345 kV line*
- *Decommission Porter to Rotterdam 230 kV lines*
- *345 kV connection to Rotterdam*

- **Segment B (UPNY/SENY)**

- *New Knickerbocker to Pleasant Valley 345 kV line*
- *Rock Tavern substation terminal upgrades*
- *Shoemaker – Sugarloaf 138 kV line*

- See PSC Order for full descriptions



AC Transmission Proposals

- **15 proposed Public Policy Transmission Projects (PPTP)**
- **1 proposed Other Public Policy Project (OPPP)**

Developer	Project Name	Category	Type	Location	Size
National Grid / Transco	New York Energy Solution Seg. A	PPTP	AC Transmission	Segment A	N/A
National Grid / Transco	New York Energy Solution Seg. B	PPTP	AC Transmission	Segment B	N/A
ITC New York Development	16NYPP1-1A AC Transmission	PPTP	AC Transmission	Segment A	N/A
ITC New York Development	16NYPP1-1B AC Transmission	PPTP	AC Transmission	Segment B	N/A
NextEra Energy Transmission New York	Enterprise Line: Segment A	PPTP	AC Transmission	Segment A	N/A
NextEra Energy Transmission New York	Enterprise Line: Segment B	PPTP	AC Transmission	Segment B	N/A
NextEra Energy Transmission New York	Enterprise Line: Segment B-Alt	PPTP	AC Transmission	Segment B	N/A
AvanGrid	Connect New York	PPTP	HVDC	Segment A, Segment B	1000 MW
AvanGrid	Connect New York - Alternative	PPTP	HVDC	Segment A, Segment B	1000 MW
North America Transmission / NYPA	Segment A Base	PPTP	AC Transmission	Segment A	N/A
North America Transmission / NYPA	Segment A Base + 765 kV	PPTP	AC Transmission	Segment A	N/A
North America Transmission / NYPA	Segment A Double Circuit	PPTP	AC Transmission	Segment A	N/A
North America Transmission / NYPA	Segment A Enhanced	PPTP	AC Transmission	Segment A	N/A
North America Transmission / NYPA	Segment B Base	PPTP	AC Transmission	Segment B	N/A
North America Transmission / NYPA	Segment B Enhanced	PPTP	AC Transmission	Segment B	N/A
GlidePath	Distributed Generation Portfolio	OPPP	Generation	Orange, Ulster, Putnam, Greene, NY	112 MW

AC Transmission Next Steps

- **NYISO will review proposed project information and perform viability and sufficiency analysis**
- **Tentative plan to issue Viability & Sufficiency Assessment by September 2016**

NEXT CYCLE OF THE PUBLIC POLICY TRANSMISSION PLANNING PROCESS

Identification of Public Policy Requirements

- **The Public Policy Transmission Planning Process is conducted on a two-year cycle.**
 - *The first cycle commenced on August 1, 2014.*
- **At the start of each cycle, the NYISO provides a 60-day period to allow any stakeholder or interested party to submit to the NYISO any proposed transmission need(s) that it believes are being driven by Public Policy Requirement(s) and for which transmission solutions should be requested and evaluated.**

Next Steps

- **August 2016: NYISO will issue a solicitation for proposed transmission needs**
- **Submittals due 60 days following issuance of solicitation**
- **Following the solicitation window, NYISO will post all submittals on its website and will submit them to the PSC.**
- **The PSC reviews all proposed transmission need(s) and, with input from the NYISO and interested parties, identifies the transmission needs, if any, for which specific transmission solutions should be requested and evaluated.**
 - *Following NYISO's issuance of the draft RNA in the fall, it is expected that the PSC will issue a written statement that identifies any Public Policy Requirements that are driving Public Policy Transmission Needs.*

The Mission of the New York Independent System Operator, in collaboration with its stakeholders, is to serve the public interest and provide benefit to consumers by:

- *Maintaining and enhancing regional reliability*
- *Operating open, fair and competitive wholesale electricity markets*
- *Planning the power system for the future*
- *Providing factual information to policy makers, stakeholders and investors in the power system*

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