

# Public Policy Transmission Need: Long Island Offshore Wind Export

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Ross Altman

Manager, Public Policy & Interregional Planning

**ESPWG/TPAS**

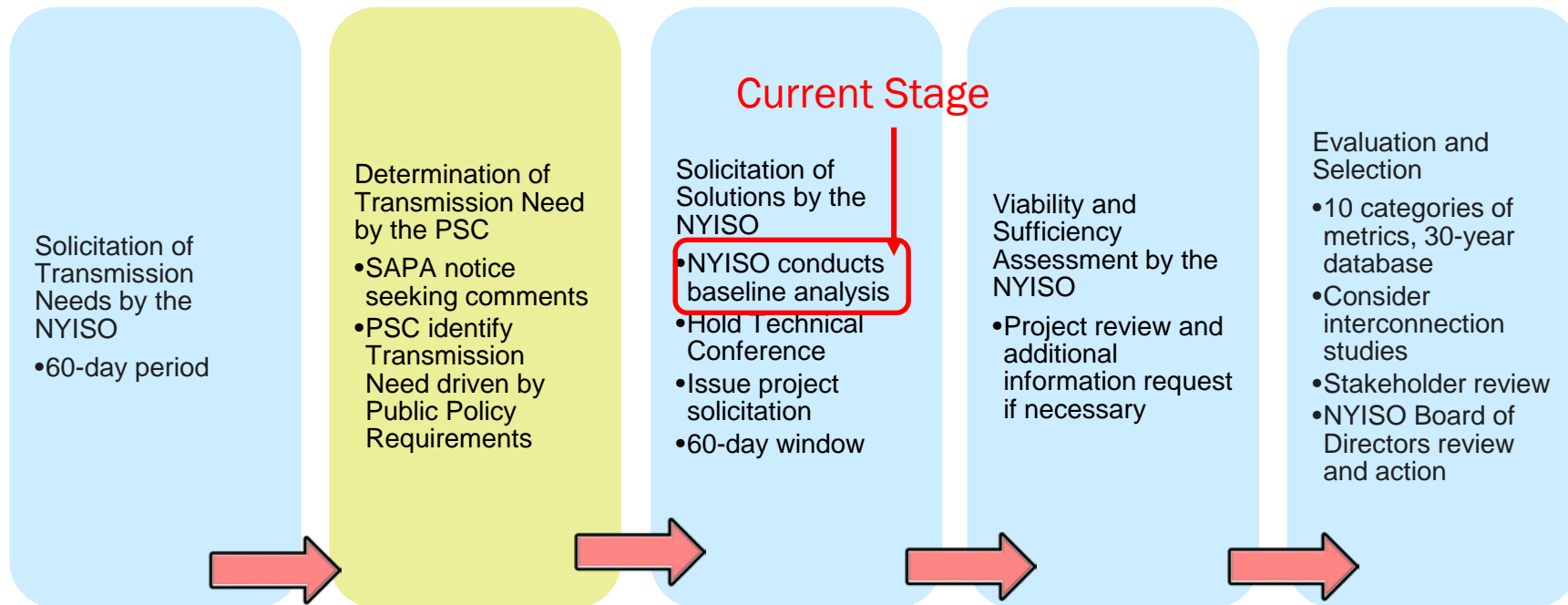
April 23, 2021

# Agenda

- **Baseline Assessment Update**
- **Developer Qualification**
- **Additional Information for Prospective Developers**
- **Next Steps**

# Baseline Assessment

# Public Policy Transmission Planning Process



Blue means NYISO steps

Green means PSC steps

# PPTN Order Review

**“The CLCPA constitutes a Public Policy Requirement driving the need for:**

- 1) Adding at least one bulk transmission intertie cable to increase the export capability of the LIPA-Con Edison interface, that connects NYISO’s Zone K to Zones I and J to ensure the full output from at least 3,000 MW of offshore wind is deliverable from Long Island to the rest of the State; and
- 2) Upgrading associated local transmission facilities to accompany the expansion of the proposed offshore export capability.”

# PPTN Order Review

- **PPTN is for a minimum of 3,000 MW of OSW delivered to NYCA load, not necessarily that LIPA Export Transfer Limit should equal 3,000 MW**
- **For example, LIPA-NYISO export would have to be 2,000 MW if system conditions on Long Island are:**
  - 3,000 MW offshore wind generation
  - 1,000 MW other LIPA generation and import from external control areas
  - 2,000 MW LIPA load+losses

3,000+1,000-2,000 = 2,000 MW minimum level of excess for export to rest of NYISO

# Baseline Assessment

- **Baseline Assessment evaluates constraints in the existing system's ability to meet the Public Policy Requirement**
- **Results will be used to measure the impact and performance of each proposed project**
- **Baseline cases will be provided to Developers**

# Baseline Assessment Methodology

- **Steady-state N-0, N-1, and N-1-1 thermal and voltage analysis with 3,000 MW of offshore wind connected to LIPA**
- **Evaluating representative peak and off-peak conditions**
- **Baseline results will be used in Viability & Sufficiency Assessment**
- **Additional information on criteria used in the Evaluation & Selection phase will be provided to prospective developers in the technical conference[s]**



# Baseline Assessment Assumptions

- **Starting cases from 2021 FERC 715 Filing**
  - Contains LIPA and ConEdison LTPs
  - Contains generation updates from CY19 and Peaker Rule
- **Offshore Wind Modeling:**
  - LIPA/NYSERDA awarded projects will be modeled, ~2,046 MW in Zone J and ~2,276 MW in Zone K
  - ~725 MW additional offshore wind modeled in LIPA

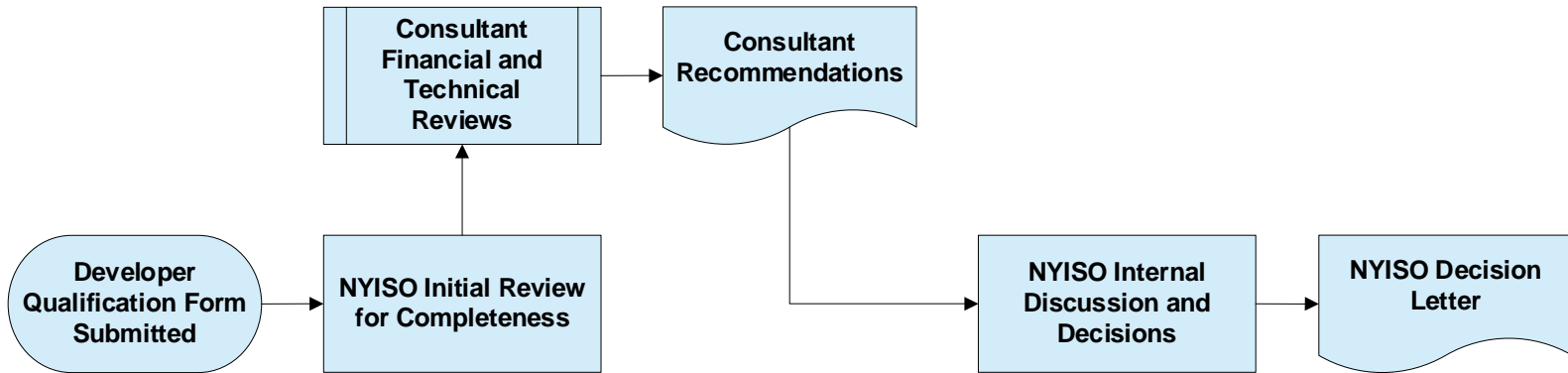
# Developer Qualification

# Developer Qualification Overview

- **Entities must be qualified in order to submit transmission solutions in the NYISO's Comprehensive System Planning Process ("CSPP")**
- **The qualification process is set forth in:**
  - Section 31.2.4 for the Reliability Planning Process
  - Section 31.3.2.4.1 for the Economic Planning Process
  - Section 31.4.4 for the Public Policy Transmission Planning Process
  - Appendix H of the Reliability Planning Process Manual
- **Process improvements related the developer qualification was recently kicked off, but likely will not be effective to impact the Long Island Offshore Wind Export PPTN solution solicitation.**

# Process Overview–Continued

- In order to become qualified, a Developer is required to submit a Developer Qualification Form and include information to demonstrate that it has the requisite experience in developing, financing, and operating a transmission facility.
- Application Process (Typically 30-60 Days)



# Process Overview–Continued

- **A Developer is qualified for three years**
- **Obligations of Qualified Developers following qualification:**
  - Submit annual financial statements
  - Notify the NYISO of any material change to information provided in the most recently submitted Developer Qualification Form
- **If a Developer wishes to remain qualified at the end of the three-year period, it must submit a new Developer Qualification Form prior to the end of the period**

# Current list of Qualified Developers

- Anbaric Development Partners, LLC
- AVANGRID Networks, Inc.
- Central Hudson Gas & Electric Corporation
- Con Edison Transmission, Inc.
- Consolidated Edison Company of New York
- Exelon Transmission Company, LLC
- Invenergy Transmission LLC
- ITC Mid-Atlantic Development, LLC
- ITC New York Development, LLC
- LS Power Grid New York Corporation I
- LS Power Grid New York, LLC
- National Grid USA
- New York Power Authority
- New York State Electric & Gas Corporation
- New York Transco, LLC
- NextEra Energy Transmission New York, Inc.
- Orange and Rockland Utilities
- PPL Electric Utilities Corporation
- PPL TransLink, Inc.
- Public Service Enterprise Group
- Rochester Gas & Electric Corporation
- SP Transmission, LLC
- Transource New York, LLC

# Developer Qualification During Solicitation Window

- **Developers can submit Developer Qualification Applications during an open PPTP Solicitation Window**
  - Must submit required qualification information within 30 days of after NYISO issues a solicitation for solutions.
  - NYISO has 30 days to request additional information and Developers have 15 days to respond.
  - NYISO will notify the Developer whether it is qualified; however, the Developer must be qualified in order to submit a solution.
- **To apply to be a Qualified Developer for the PPTP, complete Developer Qualification Form (Attachment A of Reliability Planning Process Manual) and send to [developerqualification@nyiso.com](mailto:developerqualification@nyiso.com). Information is available at [www.NYISO.com](http://www.NYISO.com) -> Planning -> Developer Qualification Process**

# Additional Information & Next Steps



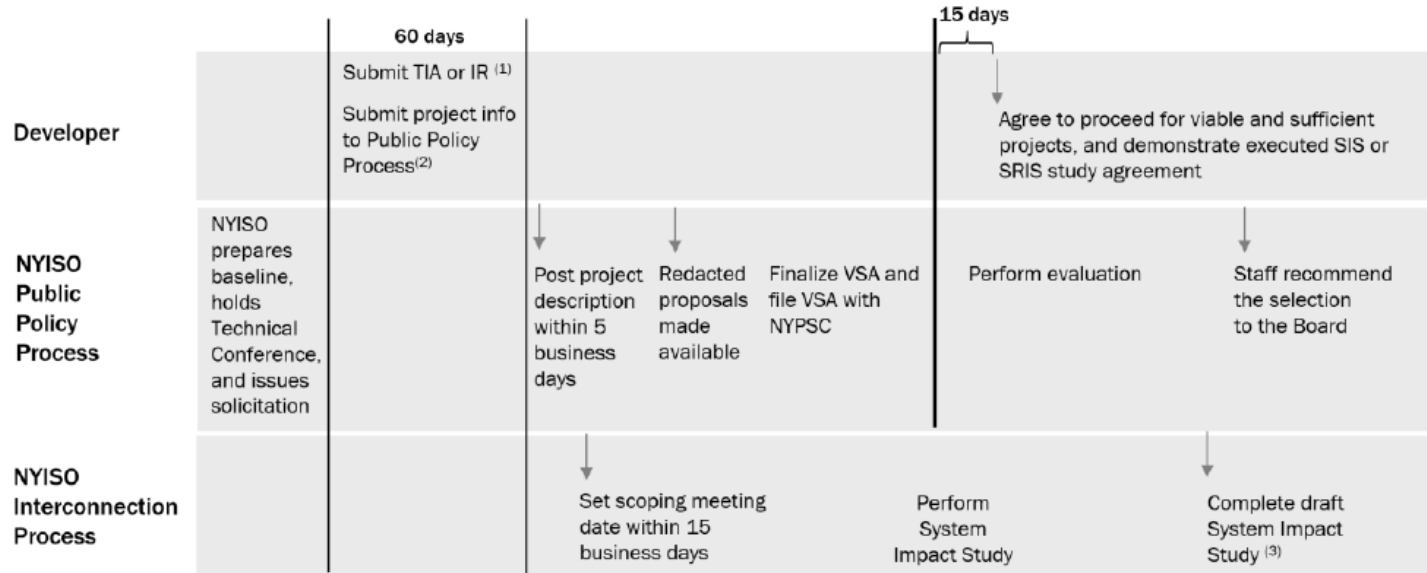
# Technical Conference

- **Held with prospective developers prior to solicitation**
- **Topics for Discussion:**
  - Baseline Assessment Results and additional information
  - Evaluation Methodology and Criteria
  - PPTPP and TIP Process
  - Contingency percentages and escalation factors for capital cost estimates, to extent practicable
  - Developer's perspective on potential issues
- **The NYISO may hold more than one technical conference to address these topics**

# PPTPP & TIP Coordination

	Public Policy Transmission Planning Process	Transmission Interconnection Procedures
<b>Purpose</b>	Evaluate & select the more efficient or cost effective solution for PPTN	Identify required NUFs needed to reliably connect project
<b>Process Stages</b>	Viability & Sufficiency, Evaluation & Selection, post-selection agreements and monitoring	System Impact Study, Facilities Study, Interconnection Agreement
<b>Application Process</b>	Proposals containing information in Sections 31.4.4.3, 31.4.4.4, and 31.4.5 emailed to PublicPolicyPlanningMailbox@nyiso.com	TIP Interconnection Request submitted through Interconnection Portal
<b>Application Fees</b>	\$10,000 Application fee + \$100,000 study deposit	\$10,000 Application fee + \$120,000 SIS Deposit

# PPTPP & TIP Timeline



1. Submit Transmission Interconnection Application or Interconnection Request set forth in Attachments P and X of the OATT, which application or request shall contain identical information as submitted in the Public Policy Process.
2. Submit info in accordance with Section 31.4.4.3.2 of OATT including executed study agreement, redacted and un-redacted proposals, and \$10K application fee and \$100K study deposit.
3. The tariff provides that NYISO Board will consider the status and available results of the interconnection studies in making its selection. Although it is not a tariff requirement, NYISO prefers the draft SIS be completed before the NYISO recommends the selection to the Board.

# April 15<sup>th</sup> FERC Order on Upgrades

- On August 18, 2020, the NYISO filed a petition for declaratory order, seeking confirmation and clarification from the FERC regarding the rights of New York Transmission Owners to build, own and recover the costs for upgrades to their existing transmission facilities that are selected in the regional transmission plan for purposes of cost allocation
- On April 15, 2021, FERC granted in part and denied in part the petition
- The NYISO is analyzing the order
- Further discussion of treatment of upgrades at future ESPWGs

# Next Steps in Solicitation Phase

- Present Baseline Assessment results to ESPWG/TPAS
- Technical Conference(s) for Prospective Developers
- Issue Solution Solicitation Letter

# Our mission, in collaboration with our 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 policymakers, stakeholders and investors in the power system



# Questions?