

Technical Conference

New York City Public Policy Transmission Need

NYISO Conference Center & WebEx
Rensselaer, NY

December 7, 2023

Presenters

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Purpose

- Review NYISO's evaluation and selection metrics and obtain input on the application of those metrics
- Address questions on assumptions and methodology for the evaluation for purposes of selection as the more efficient or cost-effective solution (“Evaluation & Selection”) of proposed projects
- Obtain feedback for soliciting solutions to the NYC PPTN

Disclaimer

- **This presentation and associated technical conference is for the purposes of reviewing assumptions and methodologies applicable to the New York City Public Policy Transmission Need (NYC PPTN) and reviewing and obtaining input on the application of metrics set forth in the NYISO OATT. The materials are intended for discussions in this technical conference and are subject to revision. If information provided herein or at the technical conference conflicts with the NYISO OATT or the solicitation letter, Developers should rely on the PSC Order, the NYISO tariff, and solicitation letter in submitting their proposals.**

Q&A Ground Rules

- **Please let presenter finish each section prior to asking questions. A question and feedback pause point is built into each section**
- **Meeting host will manage a queue for questions/comments**
 - In-person – raise hand until host acknowledges
 - WebEx – leverage “raise hand” feature and host will call
- **Please review the NYISO FAQ document previously posted to the NYISO website as questions may have a written response already prepared**
- **The NYISO may need to “take back” questions that require more research and confirmation before answering**
 - NYISO FAQ documents will be posted as necessary
 - The NYISO will also have an opportunity to provide answers at upcoming ESPWG or TPAS meetings and through the publication of additional FAQ documents

Agenda Topics Covered on November 6

- **Public Policy Transmission Planning Process**
- **Highlights of the NYC PPTN Order**
- **Schedule**
- **Information & Resources for Developers**
- **VSA Baseline Case Assumptions**
- **Viability Assessment**
- **Sufficiency Criteria**
- **Sufficiency Assessment**
- **Developer Qualification Process**
- **Application Process**
- **Capital Cost Estimates**
- **Facility Characterization**
- **Project Evaluation**
- **Next Steps**
- **Questions?**

Agenda For Today

- PSC Order Highlights
- Schedule
- Viability & Sufficiency Assessment
- Evaluation & Selection Metrics
- System Update
- Developer Resources
- Next Steps
- Questions?

Highlights of the NYC PPTN Order

2022-2023 Public Policy Process Cycle

- On August 31, 2022, the NYISO requested potential transmission needs driven by Public Policy Requirements from interested parties
- On November 7, 2022, the NYISO filed the proposed transmission needs with the PSC from 17 entities, as well as applicable proposed needs with LIPA
- On June 22, 2023, the PSC issued an order declaring a Public Policy Transmission Need (“PSC Order”):
 - <https://www.nyiso.com/documents/20142/1406395/PSC-Order-NYC-PPTN.pdf>

PSC Order Highlights

- **“The CLCPA ... constitutes a Public Policy Requirement driving the need for additional transmission facilities to deliver the output of offshore wind generating resources to New York City interconnection points”**
- **The NYC PPTN calls for proposed solutions that must accommodate the full output of at least 4,770 MW of incremental offshore wind**
 - The Order notes that scenarios representing up to 8,000 MW of incremental offshore wind should be used by NYISO to evaluate performance of proposed solutions for expandability, renewable energy deliverability, and other metrics in evaluation phase
 - The Order also notes that offshore wind injections are incremental to the 2,046 MW of offshore wind generation interconnecting into Zone J with existing OREC contracts resulting from NYSERDA’s first and second offshore wind solicitations
- **“Appendix A: Technical Requirements” of the PSC Order contains technical details that will be used in defining the viability & sufficiency criteria and evaluation criteria**

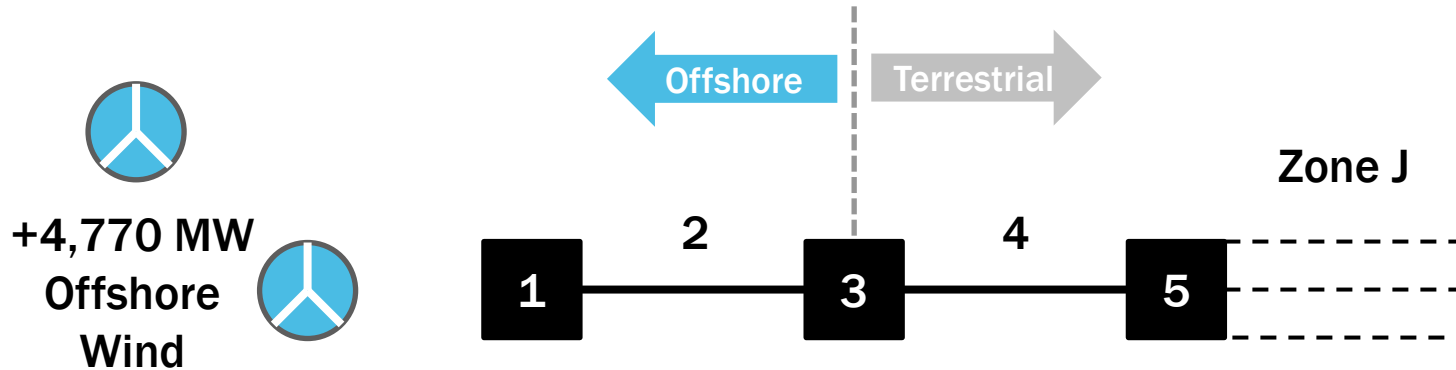
PSC Order Highlights, cont.

- **Solutions to the transmission need must, among other things:**
 - Consist of a **complete end-to-end proposal** comprised of both offshore and onshore components to enable power injection into Zone J
 - Contain a plan to complete all permitting and construction activities necessary to achieve an in-service date no later than **January 1, 2033**
 - Contain a plan for **how offshore wind generation would interconnect** to the end-to-end transmission proposal at the offshore interconnection points

Complete “End-to-End” Solutions

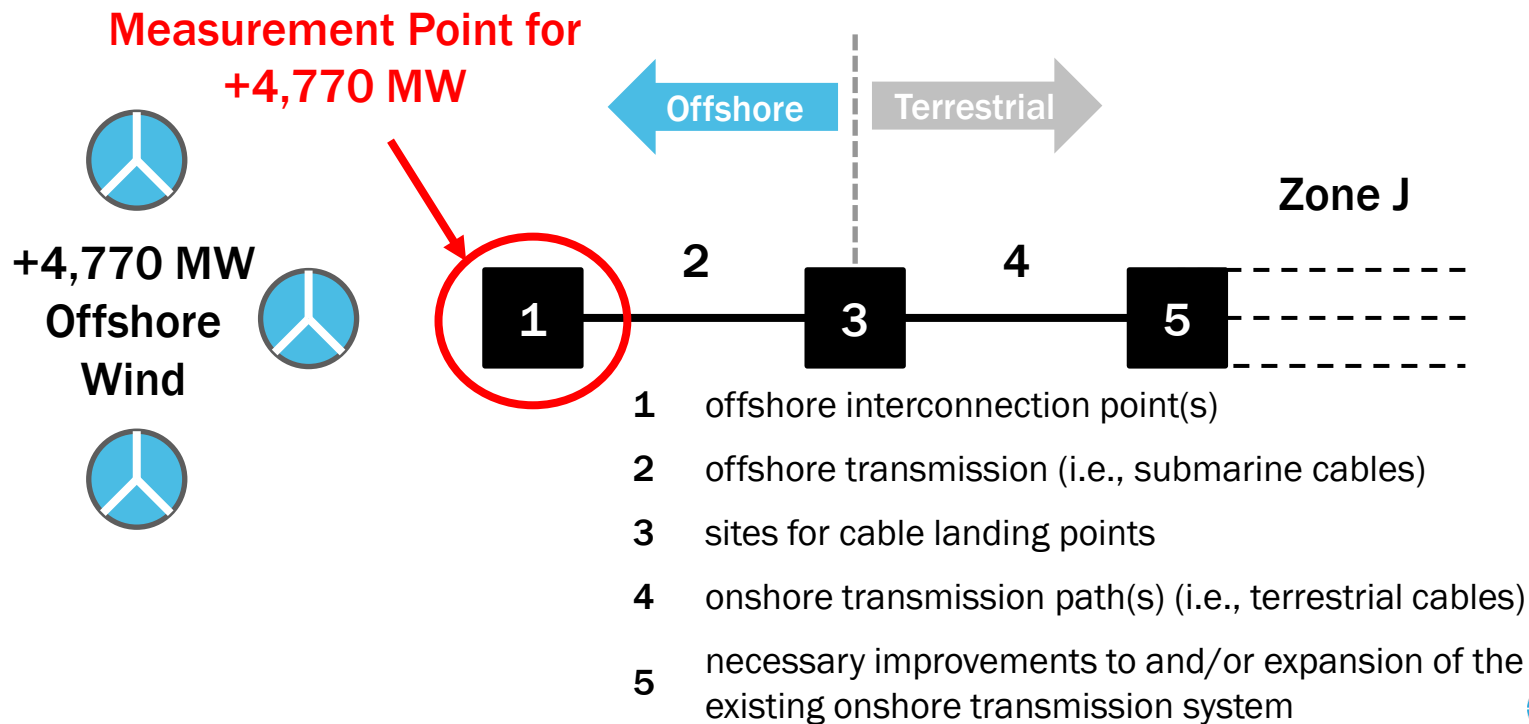
- **Complete end-to-end solutions must be comprised of both offshore and onshore components to enable power injection into Zone J and should include the following components:**
 - offshore interconnection point(s),
 - offshore transmission (i.e., submarine cables),
 - sites for cable landing points,
 - onshore transmission path(s) (i.e., terrestrial cables) from cable landing points to points of interconnection in Zone J, including sites for converter stations, and
 - necessary improvements to and/or expansion of the existing onshore transmission system.

New York City Offshore Wind PPTN Illustrative Diagram



- 1 offshore interconnection point(s)
- 2 offshore transmission (i.e., submarine cables)
- 3 sites for cable landing points
- 4 onshore transmission path(s) (i.e., terrestrial cables)
- 5 necessary improvements to and/or expansion of the existing onshore transmission system

“Incremental Offshore Wind” Measurement



Highlights of PSC Evaluation Criteria

- **The PSC Order specifies certain evaluation criteria for the NYISO’s evaluation under Section 31.4.8.1.9 of the OATT:**
 - **Minimization**, to the extent possible, of the use of AC submarine cables in constrained areas identified in NYSERDA’s 2022 offshore wind solicitation
 - Consideration of potential **interference and/or synergy** with the Long Island Offshore Wind Export Public Policy Transmission Need (“Long Island PPTN”)
 - Demonstration that proposed solution will **not preclude or foreclose the ability to expand** and/or integrate into a future offshore transmission network
 - **Optimization of intended corridors** to achieve the intended level of offshore wind integration and account for the findings of NYSERDA’s Cable Corridor Assessment
- **“Appendix B: Supplemental Criteria” contains additional criteria that leverages NYSERDA Cable Corridor Assessment for routing considerations and principles**

Involvement of State Agencies and Con Edison

- **The PSC Order directs DPS staff to:**
 - work with the state, federal, and local authorities with jurisdiction over aspects of the siting and construction of transmission in New York City to assist proposers and the NYISO on questions of permitting risk
 - to create opportunities to inform stakeholders of progress and gather stakeholder input
- **The PSC Order requires Con Edison to undertake a process to make information available to potential Developers concerning points of interconnection on its system**

September 7th Q&A Document

- On September 7, 2023, DPS filed a Q&A document in the NYC PPTN docket, jointly prepared by DPS Staff and NYISO
- The document addresses eight topics related to the NYC PPTN

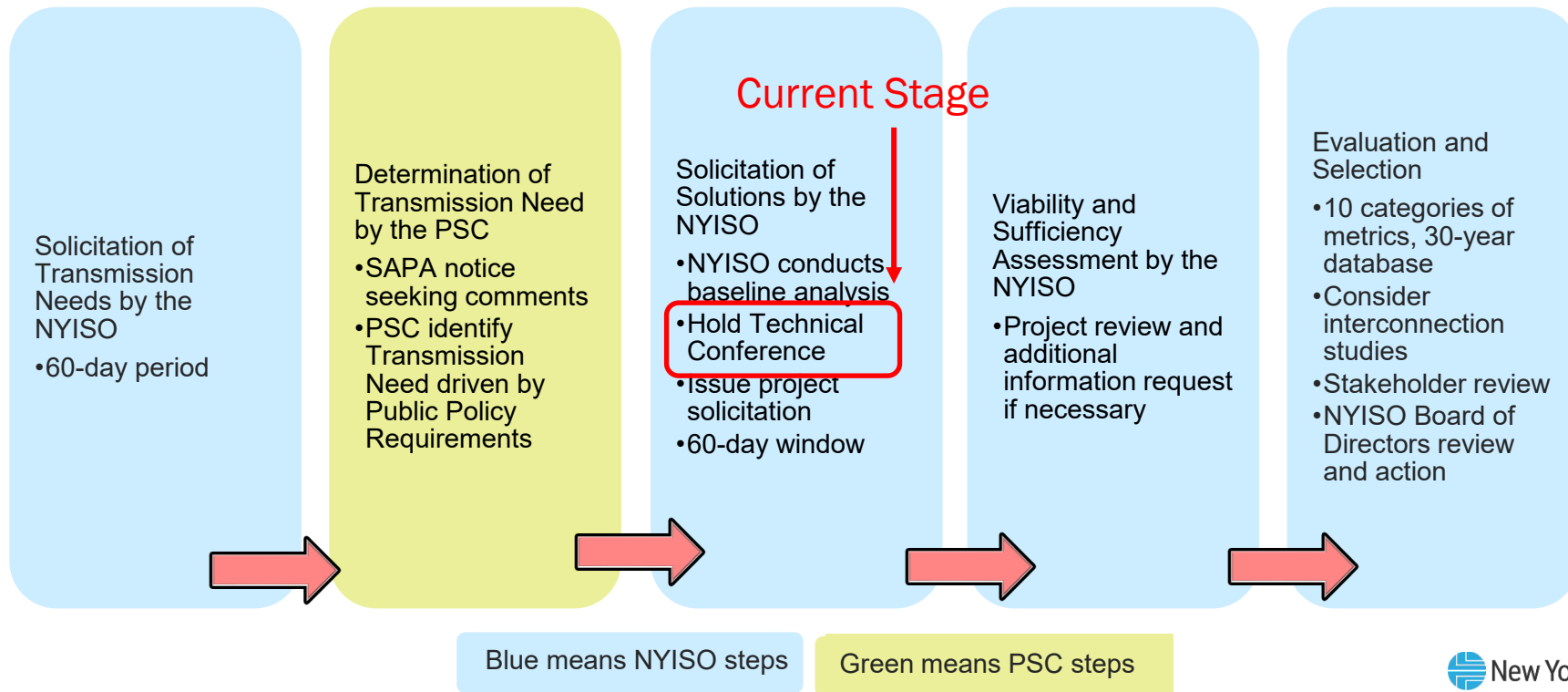
Update on Project Staging

- During the 11/6 NYISO Technical Conference, a question regarding the ability for a Developer to “phase” projects was raised
- DPS staff confirmed that the PSC Order does not preclude a Developer from proposing a phased project, but such a proposed solution must still meet the minimum requirements (e.g., 4,770 MW by 2033)
- More information on phasing will be provided through a DPS Q&A document to be posted

Questions?

Schedule

Public Policy Transmission Planning Process



Tentative Schedule for NYC PPTN

Major Steps	Process Steps	Estimated Timeline
Solicitation of Solutions	Prepare baseline assessment	Q3 - Q4 2023
	Hold technical conference	Q4 2023
	System Data and Information Sharing	Q4 2023
	Issue solicitation for solutions	Q1 2024*
	Solutions due in 60 days	Q1 2024
Viability & Sufficiency Assessment	Perform Viability & Sufficiency Assessment	Q2 - Q3 2024
	Project information release, facility characterization, and stakeholder review	Q2 2024
	Final Viability & Sufficiency Assessment filed with PSC	Q3 2024
Evaluation & Selection	Evaluate viable and sufficient transmission solutions	Q3 - Q4 2024
	Identify top-tier projects	Q4 2024
	Evaluate top-tier projects and issue draft report	Q1 - Q2 2025
	Board review and action	Q2 - Q3 2025

***Schedule dependent on Con Edison process directed by the Order**

Questions?

Viability & Sufficiency Assessment

Viability & Sufficiency Assessment (VSA)

- Details covered in 11/6 NYISO Tech Conference
- The NYISO conducts a Viability & Sufficiency Assessment to determine whether each submitted Public Policy Transmission Projects and Other Public Policy Projects is complete, viable, and sufficient to satisfy the identified need
- The primary objective of the Viability & Sufficiency Assessment is to confirm that a solution satisfies the viability requirements set forth in the OATT and the sufficiency requirements prescribed in the PSC Order (Appendix A)

Sufficiency Criteria

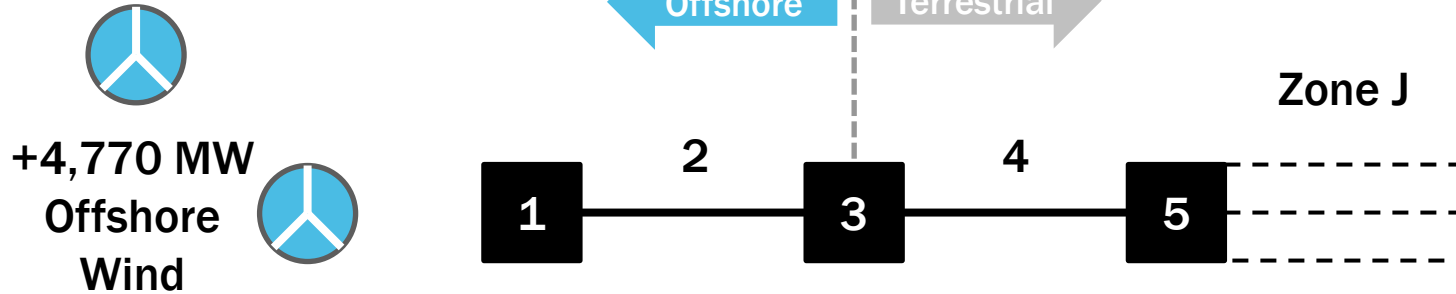
- Accommodate the full output of at least 4,770 MW of incremental offshore wind generation injected into New York City (Zone J), under applicable reliability standards, without reducing the overall output of other renewable resources interconnected in Zones J and K
- 4,770 MW of offshore wind generation is incremental to the 2,046 MW of offshore wind generation identified as interconnecting into Zone J in the PSC Order

Sufficiency Criteria

- **Consist of a complete end-to-end proposal comprised of both offshore and onshore components to enable power injection into Zone J**
- **Demonstrate that solutions can achieve a minimum of 4,770 MW of incremental offshore wind generation consistent with the PSC Order with an in-service date no later than January 1, 2033**
- **A proposed solution must satisfy the sufficiency criteria by itself**

Project Examples

New York City Offshore Wind PPTN



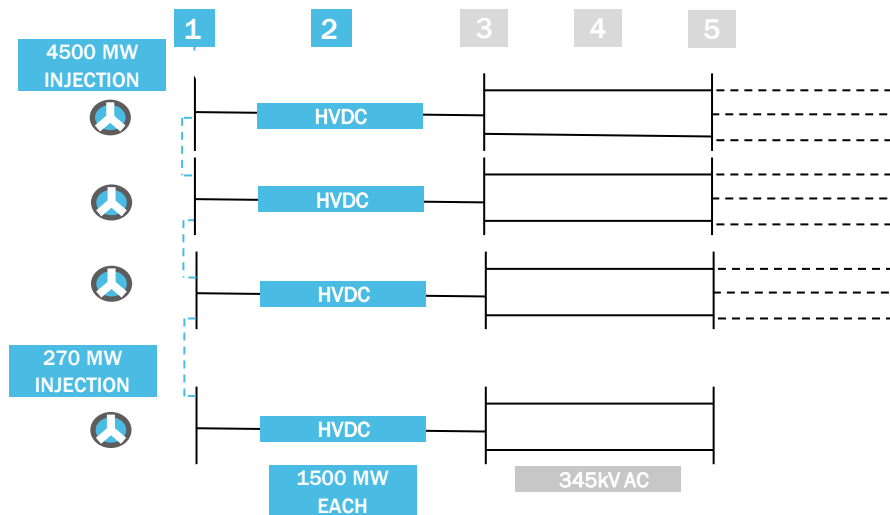
- 1 offshore interconnection point(s)
- 2 offshore transmission (i.e., submarine cables)
- 3 sites for cable landing points
- 4 onshore transmission path(s) (i.e., terrestrial cables)
- 5 necessary improvements to and/or expansion of the existing onshore transmission system

Project Design Examples

- The following slides show hypothetical project designs intended to address questions on the application of “applicable reliability standards”
- Each configuration shown is for illustrative purposes and is not intended to show design preferences

Project Example - 1

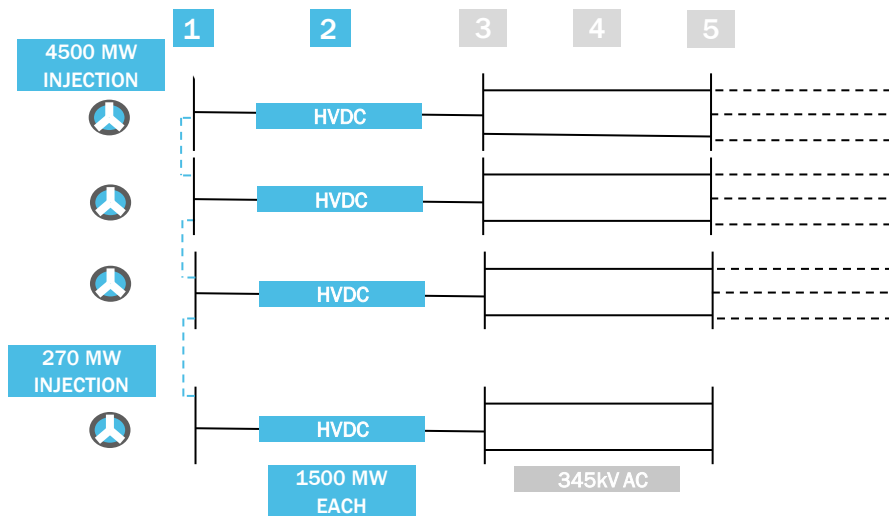
Project as Studied in VSA



- For VSA, MW Injection 4,770 MW
- In-Service Date 12/2032
- Identify Facility Characterization

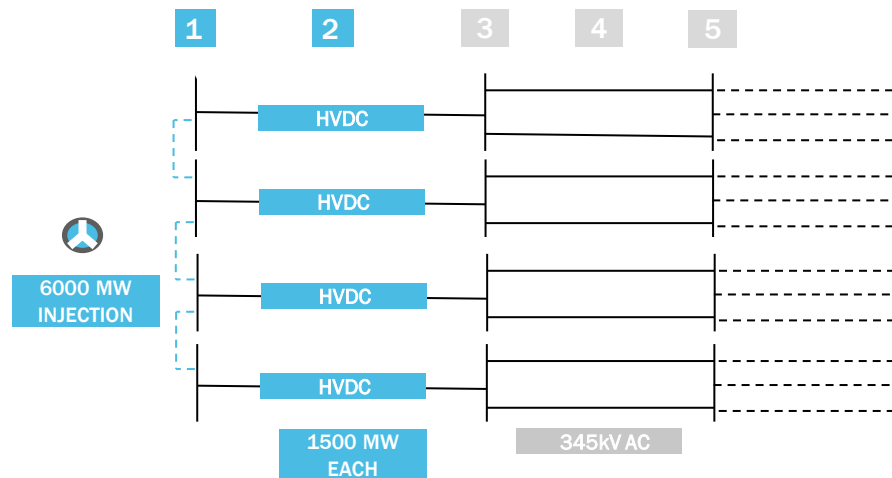
Project Example - 1

Project as Studied in VSA



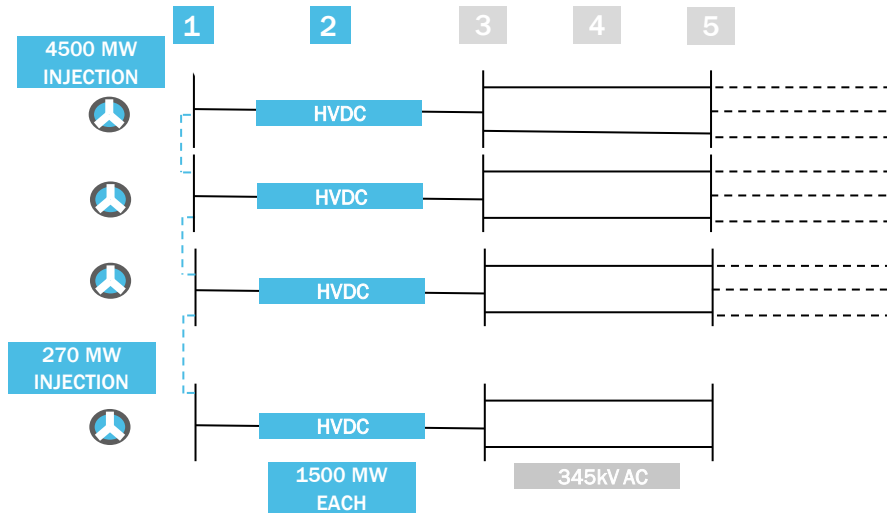
- For VSA, MW Injection 4,770 MW
- In-Service Date 12/2032
- Identify Facility Characterization

Project as Studied in Evaluation



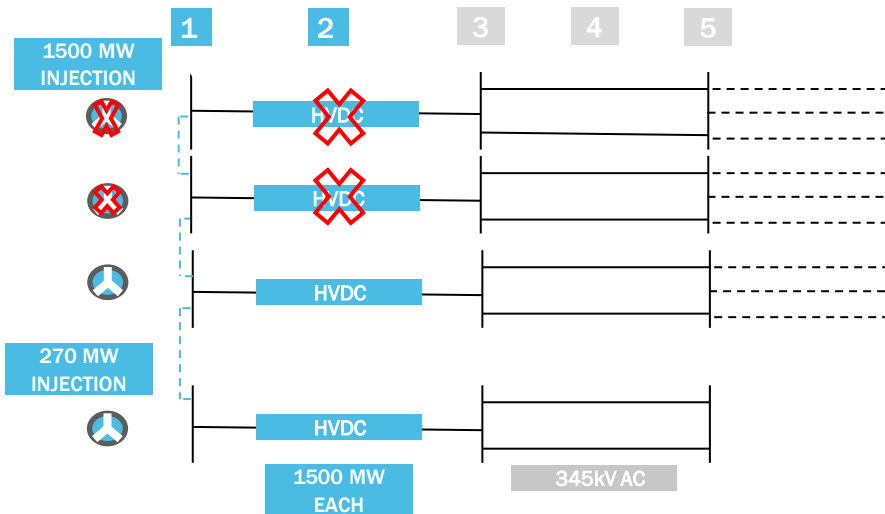
- Proposed MW Injection 6,000 MW
- In-Service Date for the Project
- Identify Facility Characterization

VSA For Project Example - 1



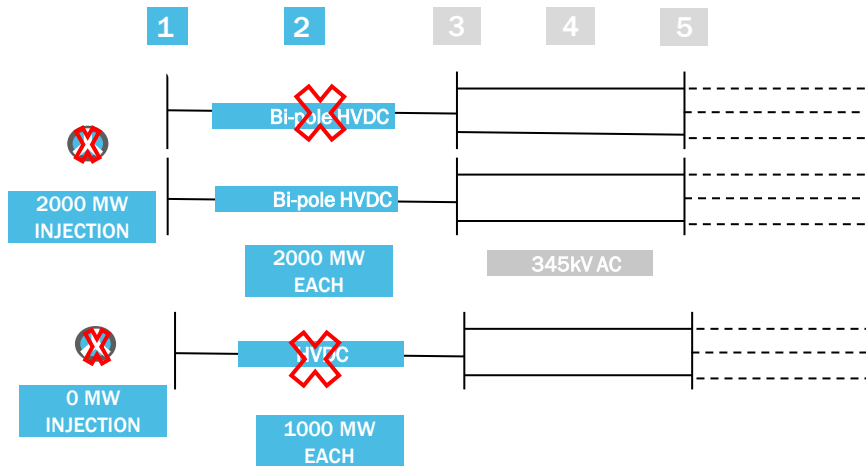
- NERC, NPCC, NYSRC criteria
- N-0, N-1, N-1-1
- Injection of 4770 MW of OSW into Zone J
- Following resources cannot be dispatched down to mitigate violations on components 3, 4 or 5 under N-0, N-1, and N-1-1 conditions:
 - 2,046 MW of OSW into Zone J
 - 3,000 MW of OSW into Zone K
 - 1,250 MW injection by Champlain-Hudson Power Express

VSA For Project Example - 1



- Injection of 4,770 MW is not required for loss of components 1 or 2 under N-1 and N-1-1 conditions (e.g., loss of 2 HVDC lines under N-1-1 conditions)

VSA For Project Example - 2



- Injection of 4,770 MW is not required for loss of components 1 or 2 under N-1 and N-1-1 conditions (e.g., loss of monopole followed by loss of bi-pole under N-1-1)

Overview of Evaluation & Selection Metrics

A Note on NYISO's PPTPP Framework

- Sponsorship model vs. competitive bid model
- Evaluation metrics set forth in the tariff will be considered to evaluate and identify the more efficient or cost-effective transmission solution to satisfy the NYC PPTN
- The NYISO seeks input from prospective developers and interested parties about other metrics in the context of this Public Policy Requirement (the need for 9 GW of offshore wind generation by 2035) that could distinguish among proposed transmission solutions

Overview

- **The evaluation of Public Policy Transmission Projects differs from other planning processes because it can give varying levels of consideration to the baseline and the scenarios**
- **The Evaluation & Selection considers the metrics set forth in the NYISO's tariff Section 31.4.8 of the OATT, as well as the criteria specified by the PSC**
- **The process for the Evaluation & Selection of solutions is described in the NYISO Public Policy Transmission Planning Process Manual**

Databases for Comparative Evaluation

- **Powerflow:** used in metrics such as expandability, transfer limit, cost per MW, and operability
- **Resource Adequacy:** used to maintain enough resources for MARS database and analyze capacity benefits
- **Production Cost:** used in metrics such as production cost savings, emission, LBMP, load payment, and performance
- **Capacity Expansion:** used in avoided capital cost calculations
- **Independent Consultant (SECo) Databases:** used in metrics such as overnight capital cost, schedules, property rights, and expandability

Applicable Evaluation & Selection Metrics

Tariff Required Metrics

- Expandability
- Operability
- Performance
- Property Rights
- Project Schedule
- Capital Costs
- Cost Cap
- Cost per MW Ratio

Other Potential Metrics

- Production Cost
- LBMP
- Losses
- Emissions
- Capacity Costs
- Avoided Cost
- TCC
- Transmission Congestion
- Transfer Limits
- Deliverability
- Operating Reserve

Additional PSC Specified Metrics

- **In the PSC Order, Appendix A specifies six additional evaluation criteria to be considered¹**
 - Ability to enable injection of up to 8,000 MW of incremental offshore wind generation into NYC
 - Minimize use of AC submarine cables in constrained areas
 - Does not preclude or foreclose ability to expand and/or integrate into a future offshore transmission network
 - Not required to relieve bulk export constraints from Zone J to rest of NYCA under light load
 - Optimize use of intended corridors in Cable Corridor Assessment
 - Consider potential interference and/or synergy with Long Island PPTN

¹Criteria are paraphrased from PSC Order, please see Order Appendix A for full description

Other Metrics: Proposal Quality

- **The NYISO intends to also consider the following for each proposal in the Evaluation & Selection**
 - Consistency in data and description across different documents
 - Quality of documents conveying requested information
 - Sharing of information in the requested format
 - Clarity of instructions to interpret data, calculation sheets, OEM sheets

Expandability

- **Expandability may consider the following capabilities of a solution:**
 - Capability of the offshore facilities to accommodate/transport offshore wind generation above 4,770 MW into Zone J, thereby enabling future expansion of onshore facilities to deliver that incremental amount in NYC
 - Ability to expand and/or integrate into a future offshore transmission network as demonstrated by the proposal
 - Physical expandability of the proposed onshore facilities

Operability

- **Proposed design and resulting network connectivity could affect flexibility in operating the system, such as dispatch of generation, available control actions to relieve violations and to provide dynamic voltage support, access to operating reserves, access to ancillary services, and ability to remove transmission for maintenance**
- **Proposals that better enable the system to respond to system conditions that are more severe than design conditions may be more favorable**
- **Proposals that design facilities to operate in extreme weather conditions more likely to occur with climate change (equipment hardening) and various operating conditions such as thunderstorm alert, may be more favorable**
- **System strength under various operating conditions may be more favorable**

Capacity Deliverability

- **A screening study to determine the extent to which offshore wind generation connecting at the offshore POI(s) is deliverable may be performed**
 - Any analysis would not look at specific offshore wind generation projects
 - Separate from the Public Policy Transmission Planning Process, future offshore wind generation projects connecting at the offshore POI(s) will undergo a deliverability analysis performed under the NYISO Deliverability Interconnection to determine if the project is deliverable and, if not, what SDUs are required for the project to be deliverable at the requested level of CRIS during their interconnection studies

Performance

- **The ability to efficiently optimize the operation of the transmission system for Zone J imports and exports may be more favorable**
- **Offshore wind generation curtailment may be evaluated using powerflow and production cost models to determine project performance under a wide range of load/dispatch conditions**
- **Project's ability to reduce CO2 emissions may be evaluated**

Production Cost Savings

- **Assesses the economic benefits of the proposed projects by reducing generation production costs in the New York Control Area**
- **The NYISO will leverage the database(s) and model from the 2023-2042 System & Resource Outlook to perform these calculations**
 - Adjustments to the production cost model may be made to best align with the intention of the NYC PPTN
 - For study and model updates, please follow the 2023-2042 System & Resource Outlook at NYISO ESPWG stakeholder meetings (scheduled for completion Q2 2024)

Production Cost Savings (cont.)

- **Highlights of 2023-2042 System & Resource Outlook**
 - Three Policy Cases
 - Lower Demand, Higher Demand Policy, State
 - Load forecasts based on NYISO Gold Book and Climate Action Council
 - Capacity buildout determined by capacity expansion model
 - Full CLCPA policy achievement modeled
 - Awarded and approved transmission projects modeled
- **Assumptions may be adjusted to best suit comparative analysis of NYC PPTN project proposals**

Avoided Cost Metric

- **Assesses the economic benefits related to the reduction and/or deferral of future generation projects needed to meet projected future energy demand and renewable policy objectives**
- **The ability to connect offshore wind, without curtailment, reduces the need to build and operate other generation resources to meet system needs and policy objectives**
- **The NYISO may use capacity expansion and production cost models to calculate this metric**

Impact on Operating Reserve

- The NYISO currently procures operating reserves according to the largest single loss of source on the system (1,310 MW today)
- For the NYC PPTN, the NYISO will not limit injections to 1,310 MW
- An analysis of the impact of any injections higher than 1,310 MW on the wholesale electrical market and/or system operation will be studied in project evaluations

Permitting

- **The NYISO and SECO will review permitting and siting plans provided by Developers of the viable and sufficient proposed transmission solutions**
 - Consistent with the PSC Order, the Agency Siting Working Group (ASWG) will review the routing and permitting plans, and the NYISO anticipates receiving their input during the Evaluation & Selection for it to consider
- **Risks associated with potential environmental issues and associated delays in obtaining permits for construction and identifying potential construction delays due to design and permitting requirements will be considered in schedule and cost estimates**

Property Rights

- **Developers are required to demonstrate that it already possesses the necessary real property or has a specified plan or approach and schedule for acquiring property rights for their project, including, but not limited to use of new or existing rights of ways**
- **Developers to provide information on status of any contracts or required permit in accordance with Section 31.4.5.1.4 and 31.4.5.1.5**
 - Consistent with the PSC Order, the above obligation includes providing the final contracts when available for any contract that was identified as pending at the time of submission
- **The NYISO and SECO will review the extent to which the Developer has the property rights, or ability to obtain the property rights, required to implement the project**
 - Consistent with the PSC Order, the ASWG will review the routing and permitting plans and the NYISO anticipates receiving their input during the Evaluation & Selection for it to consider
 - Results will be considered in schedule and cost estimates

Project Schedule

- The independent duration estimates include the anticipated time for permitting application preparation, approval, procurement, and construction of the project
- Potential issues associated with delay in constructing the proposed project will be considered in schedule and cost estimates

Independent Overnight Cost Estimates

- NYISO's independent consultant, SECO, will develop the independent cost estimates considering material and labor cost by equipment, engineering and design work, permitting, site acquisition, procurement and construction work, and commissioning needed for each proposed transmission project
- Preliminary contingency: 20%
- Preliminary escalation factors: 3%
- Final contingency and escalation factors used in the evaluation and selection phase will be communicated to Developers and stakeholders

Cost Containment

- **The NYISO will consider cost containment proposals through both:**
 - Quantitative Evaluation of Cost Caps
 - Qualitative Evaluation of Cost Caps

Quantitative Evaluation of Cost Caps

- A Developer's voluntary Cost Cap plays directly into the NYISO's calculation of the total cost estimates for each project and quantitative evaluation of the costs
- The calculation of the total cost estimate depends on whether a Developer submits a Cost Cap and the nature of a submitted Cost Cap
 - **Hard Cost Cap** – the Cost Cap amount will be used for the Included Capital Cost estimate in the NYISO's quantitative evaluations
 - **Soft Cost Cap > Independent Cost Estimate** – the Cost Cap amount will be used for the Included Capital Cost estimate in the NYISO's quantitative evaluations
 - **Soft Cost Cap < Independent Cost Estimate** – the NYISO will calculate an adjusted value for the Included Capital Cost estimate as detailed in Section 31.4.8.2.2
- If a Developer does not submit a voluntary Cost Cap, the NYISO will use the independent cost estimate for the Included Capital Cost estimate

Qualitative Evaluation of Cost Caps

- Qualitative evaluation considers the following three criteria:
 - **Criterion I (Cost Containment Incentive)** assesses the effectiveness of the proposed Cost Cap in providing an incentive to the Developers to contain their Included Capital Costs. It assesses how well aligned is the Developer's incentive to maximize its profits by avoiding cost overruns compared to the level of risk exposure to consumers and what degree of risk is the Developer assuming to pay for cost overruns.
 - **Criterion II (Consumer Risk, Exposure & Uncertainty)** assesses the effectiveness of the proposed Cost Cap in protecting ratepayers from Included Capital Cost overruns. This criterion assesses the likelihood and magnitude of identified project risks and how effective the Cost Cap is at protecting consumers from those overruns.

Qualitative Evaluation of Cost Caps

- Qualitative evaluation considers the following three criteria (cont):
 - **Criterion III (Expected Costs vs. Developer's Cap)** assesses the magnitude of the difference between the Cost Cap and the independent cost estimate. Specifically, Criterion III looks at the impact of the Cost Cap on completing the project at the Cost Cap amount or whether the Cost Cap will provide benefit to ratepayers depending on whether the amount of the Cost Cap is above or below the independent cost estimate.

Potential Sensitivities

- **Potential sensitivities that may help to distinguish the performance of proposed projects may be performed during the Evaluation & Selection**
- **Potential sensitivity cases may include adjustments to:**
 - NYSERDA REC/OREC awards
 - Future system updates
 - Constraints beyond Viability & Sufficient Assessment criteria

Additional Potential Evaluation Metrics

- **Additional evaluation metrics may be studied if they prove to be a distinguishing factor among proposals**
 - Location of offshore POI(s)
 - Transfer Assessment
 - Total MW injection into Zone J system
 - Minimal common mode failure in project design

Synergy w/ Long Island PPTN Project

- **Evaluation criteria specified in the PSC Order requires that:**
 - “Proposed solutions should take into consideration potential interference and/or synergy with the Long Island Offshore Wind Export PPTN”
- **Included in simulations:**
 - T051 LI OSW Export PPTN project
 - 3,000 MW Long Island offshore wind capacity
- **Impact of NYC PPTN project proposals on Long Island PPTN and offshore wind projects connecting to Long Island will be evaluated**

Facility Characterization

- **In designing proposed solutions, Developers should review the tariff and be familiar with the definition of Public Policy Transmission Upgrade, which includes:**

“Any portion(s) of a Public Policy Transmission Project that satisfies the definition of upgrade in Section 31.6.4 of this Attachment Y,” which refers to “an improvement to, addition to, or replacement of a part of, an existing transmission facility and shall not refer to an entirely new transmission facility.”

Facility Characterization

- **In applying the definition of Public Policy Transmission Upgrade, the NYISO considers concepts from FERC precedent in determining when facilities can be reasonably interpreted to be an “upgrade” under Order Nos. 1000 and 1000-A**
- **For example, but not limited to:**
 - FERC explained the limited situations when it is reasonable to classify a new substation footprint (and facilities within that new footprint) as an upgrade to an existing substation, despite the facilities having separate footprints
 - FERC also explained that the replacement of an existing transmission facility is an upgrade in the limited situations where the project replaces a part of the existing transmission facility as opposed to building an entirely new facility

Facility Characterization

- **For more detail, Developers can review the following FERC precedent, among other relevant matters:**
 - *New York Indep. Sys. Operator, Inc.*, 175 FERC ¶ 61,038 (2021)
 - *Midwest Indep. Transmission Sys. Operator. Inc., et al.*, 147 FERC ¶ 61,127 (2014)
 - *Midwest Indep. Transmission Sys. Operator. Inc., et al.*, 142 FERC ¶ 61,215 (2013)
 - Order No. 1000-A
 - Order No. 1000

System Update

Local Transmission Plans (LTPs)

- At the 11/1 ESPWG, Transmission Owners presented their LTPs
- Con Edison presented a firm project redesign of the Brooklyn Clean Energy Hub (BCEH)
 - OSW capability “up to 6,000 MW”
 - In-service date of 2033
- Con Edison reports that the redesigned BCEH enables the connection of 6,000 MW of offshore wind capacity to the substations. The Order also requires “offshore wind generation injected into New York City (Zone J) . . . without reducing the overall output of other renewable resources interconnected in Zones J and K”

Questions?

Developer Resources

Information & Resources

- The NYISO presents NYC PPTN updates at stakeholder meetings, such as the ESPWG and TPAS, as well as technical conferences and other stakeholder meetings
- Detailed NYC PPTN Data Catalog can be found in the ESPWG and TPAS meeting materials
- Con Edison information sharing process can be found on Con Edison's website
- Agency Siting Working Group point of contact(s) can be found in October 24 technical conference presentation

Developer Resources

- **To the extent possible, Developers will be provided with the following resources by request:**
 - Baseline cases (updated Summer Peak and Spring Light Load) and transmission security auxiliary files
 - FAQ document(s)
 - Study guidance document
 - References to assumptions used in economic planning studies
 - Ratings information and limiting equipment of constrained facilities
 - Breaker level one-line diagrams
- **NYISO information will be provided by the NYISO, and Transmission Owner information will be provided by the applicable Transmission Owner**
- **Cases will be available to everyone with an existing or newly approved CEI request and executed NDA**

Requesting Baseline Cases from NYISO

- Preliminary baseline cases will be available on request by completing CEII/NDA form [here](#)

Requested Information (Select all applicable): *

- NYISO FERC 715 Files
- NYISO TCC Auction Data (TAD)
- Project Specific Interconnection Materials
- NYISO Direct Communications Procedure
- Dynamics and Short Circuit Databases (Non project specific)
- Phasor Measurement Equipment Requirements Document (PMU)
- MyNYISO.com access
- Other

Other Information & Acknowledgements

Specify what information you are looking for *

New York City Public Policy Transmission Need cases and other supporting material.

I affirm that the requested information is needed and will be used solely for the following purpose: *

Development of a PPTN project

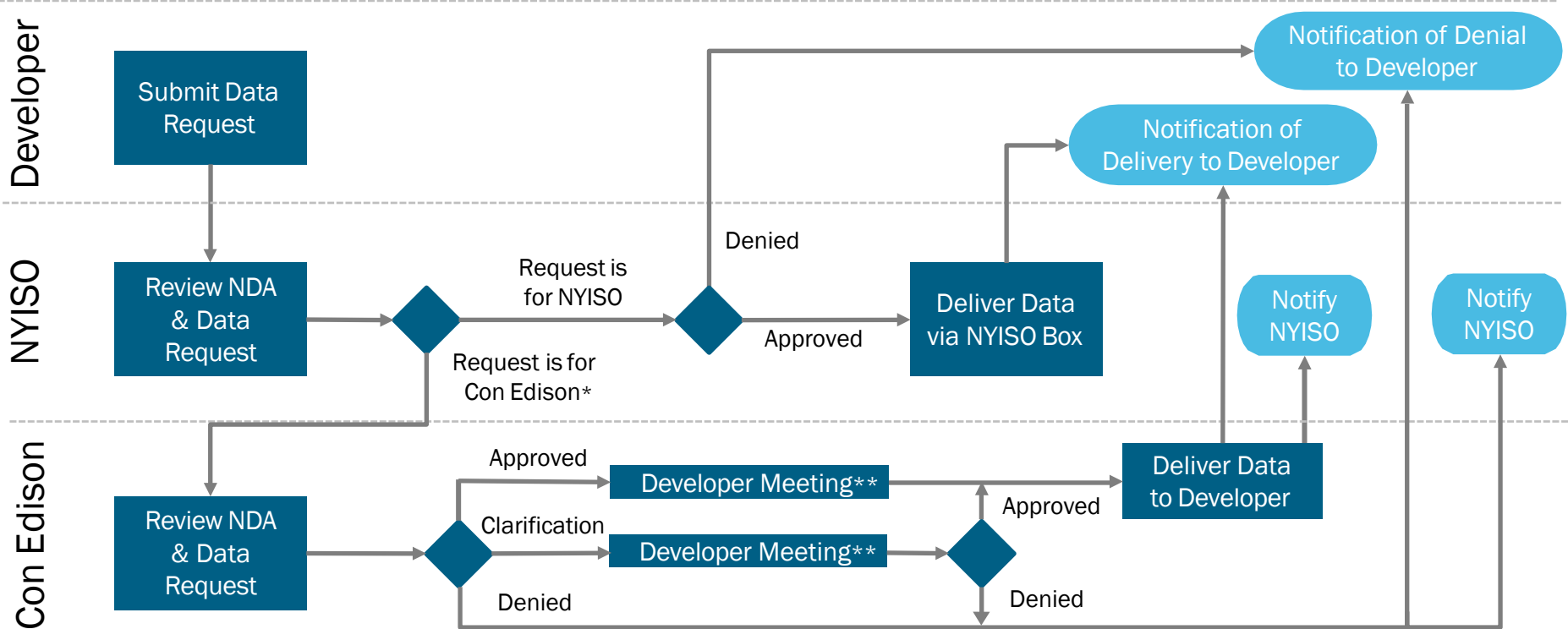
Describe in detail

- Changes to baseline case may occur up to NYISO's solicitation for solution

NYC PPTN Data Request Process

- 11/21 ESPWG Presentation Outlines Con Edison Data Sharing Process
- Please follow specific instructions provided on slide #10 regarding how to phrase and submit request

NYC PPTN Data Request Process Flow



*Requestor(s) to execute a separate NDA with Con Edison to request information from Con Edison

** Con Edison has indicated that it plans to hold meetings with requestor(s) to facilitate processing of the request



Questions?

Next Steps

Next Steps

■ Upcoming Technical Conference schedule

- December 8 Agency Siting Working Group 2nd Technical Conference

■ Upcoming Stakeholder Meeting Schedule

- December 19 ESPWG
- January 8 TPAS/ESPWG
- January 19 TPAS/ESPWG

■ Solicitation Opening

- Q1 2024 Targeted Date

Questions?

Feedback

- The NYISO conducts an open and transparent process and will continue to ensure information is available to all stakeholders and Developer(s)
- Please send feedback on the material presented at this tech conference by Friday, December 15
- Feedback and questions on the NYC PPTN should be raised during stakeholder discussions or provided to the NYISO by submitting questions to stakeholder_services@nyiso.com with the subject line “NYC PPTN”
- The NYISO will review questions received from stakeholders and will address them, to extent feasible, during stakeholder meetings, other open forums, and/or in FAQ documents

New York City PPTN Data Catalog

Stakeholder Presentations

[July 25, 2023](#)

[NYC PPTN Update](#)

[August 22, 2023](#)

[NYC PPTN Update](#)

[PPTPP Lessons Learned](#)

[September 21, 2023](#)

[NYC PPTN Update](#)

[October 2, 2023](#)

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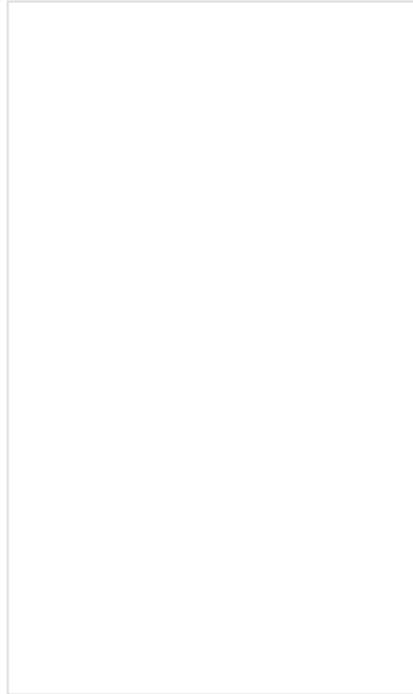
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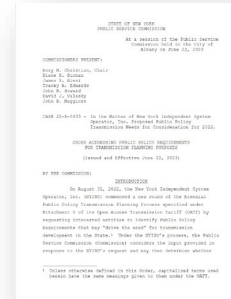
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PSC Order



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Other Documents

[DPS/NYISO PSC Order Q&A Document](#)

[NYISO CEII Data Request Form](#)

[Con Edison NYC PPTN Related Website](#)

[NYSERDA Offshore Wind Cable Corridor Constraints Assessment](#)

[Agency Working Group Technical Conference Presentation](#)

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Our Mission & Vision



Mission

Ensure power system reliability and competitive markets for New York in a clean energy future



Vision

Working together with stakeholders to build the cleanest, most reliable electric system in the nation