New York ISO
Independent System Operator

New York City PPTN Update

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Electric System Planning Working Group (ESPWG)

Tuesday, January 23, 2024

Agenda

- Update to Sufficiency Criteria in VSA
- Update & Clarification to Sufficiency Assessment in VSA
- Solicitation Schedule
- Next Steps

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Sufficiency Criteria Update

Sufficiency Criteria - Update

- **Order**
  - Demonstrate that solutions can achieve an in-service date no later than January 1, 2033
- **January 17, 2024 DPS Question & Answer Document**
  - Demonstrate that solutions can deliver a minimum of 4,770 MW of offshore wind to Zone J no later than January 1, 2033

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Sufficiency Assessment Update

Post Contingency Rating - Update

- **Previous Guidance**
  - Post-contingency rating of underground cables will be limited to LTE
- **Updated Guidance**
  - As per the NYSRC reliability rules (NYSRC Reliability Rules & Compliance Manual Planning Design Criteria : Table B-2), underground cables can be allowed to go to STE rating post-contingency under following conditions:
    - Loss of generation – ten (10) minute operating reserve and/or phase angle regulation is available to reduce the loading to its LTE rating and not cause any other facility to be loaded beyond its LTE rating; or
    - Loss of transmission – phase angle regulation is available to reduce the loading to its LTE rating and not cause any other facility to be loaded beyond its LTE rating.
  - Acceptable system adjustments to reduce the cable loading to LTE will be provided in the developer technical guidance document
  - Planning study report should demonstrate the necessary generation and PAR adjustments, as needed and allowed for the contingency type, for every underground cable element and contingency pair to reduce the cable loading from STE to its LTE rating
- **Ability of solutions to limit the underground cable loading to LTE post-contingency will be valued in the evaluation under operability metric**

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Applicable Reliability Standards - Clarification

- Solutions are not required to inject 4,770 MW for consequential loss of facilities connecting radially to Zone J

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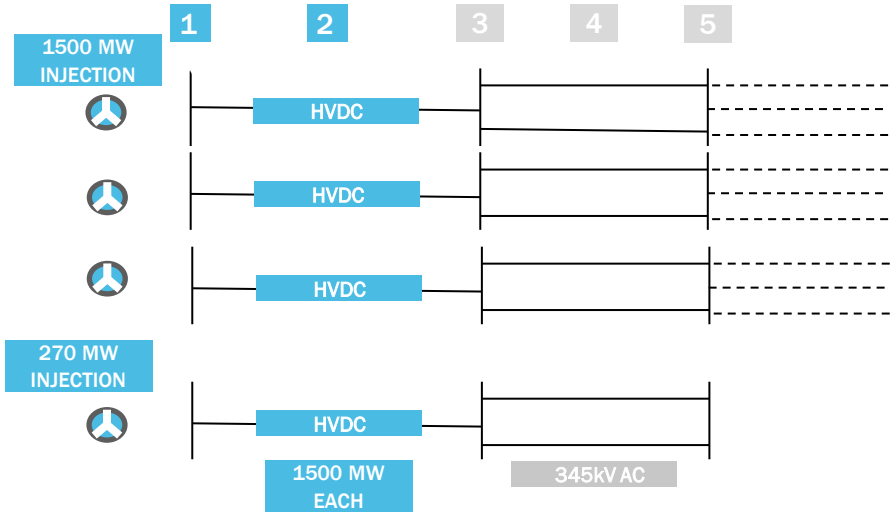
Project Example for VSA

- The example project below will be used in the following slides to clarify application of reliability standards in the VSA



- Total OSW capacity = 4,770 MW
  - (3) 1,500 MW each
  - (1) 270 MW
- HVDC rating (#2) = 1,500 MW each
- AC connector rating (#4) = 750 MW each

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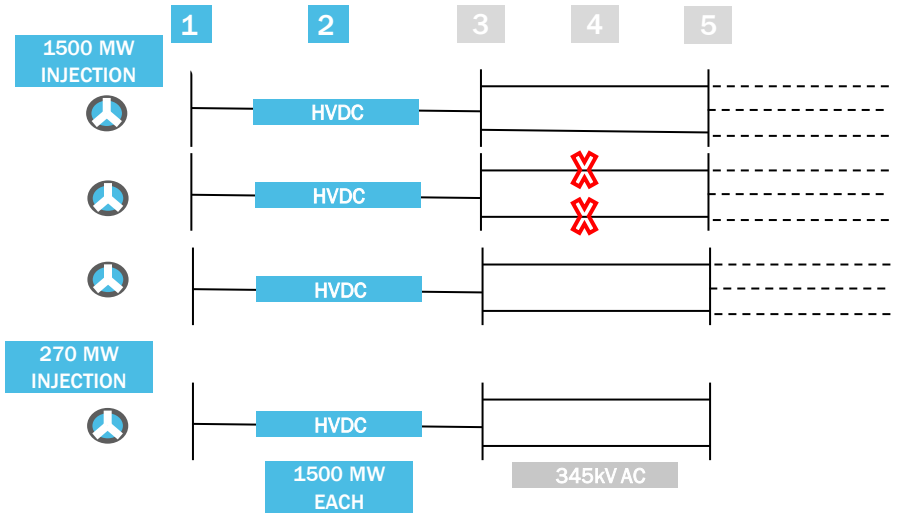
Project Example for VSA



- Injection of 4,770 MW is not required for loss of component 4 under N-1 or N-1-1 conditions
- Injection of 3,000 MW + 750 MW + 270 MW is acceptable under N-1 condition
- Injection of 3,000 MW + 270 MW is acceptable under N-1-1 condition

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Next Steps

- **NYISO will share the following before opening the solicitation window:**
  - Additional FAQs
  - Updates to Developer Technical Guidance Document
  - Additional guidance on specific evaluation metrics
  - Updates to Attachment B and C of the PPTPP manual

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Evaluation Metrics Discussion

- **NYISO plans to provide additional guidance on potential evaluation metrics in February stakeholder meeting such as:**
  - Operability
  - Location of Offshore POI(s) (risks and proximity to wind energy areas)
  - Largest Loss of Source
  - Offshore Grid Network
  - Synergy with Long Island PPTN

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Solicitation Schedule

- **Tentative timeline for opening NYC PPTN solicitation – February 2024**

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	Q2 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

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Administrative Updates

- As requested by stakeholders, NYISO has posted company-level attendance at the November & December tech conferences
  - NYISO Nov 2023 Tech Conference Attendance
  - NYISO Dec 2023 Tech Conference Attendance
- Additional DPS Q&A document posted to docket, available here

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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
- NYC PPTN Update

October 24, 2023
- NYC PPTN Update

November 2, 2023
- NYC PPTN Update

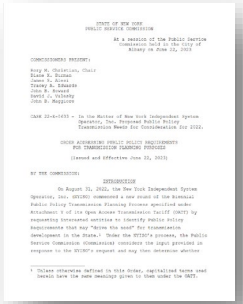
November 6, 2023
- NYISO Technical Conference

November 21, 2023
- NYC PPTN Update

December 7, 2023
- NYISO Technical Conference

December 19, 2023
- PPTPP Manual Updates

PSC Order



STATE OF NEW YORK
PUBLIC SERVICE COMMISSION

At a session of the Public Service Commission held in the City of Albany on June 22, 2023

COMMISSIONERS PRESENT:

Rory M. Christian, Chair
Diane X. Burman
James S. Alesi
John B. Howard
David J. Valesky
John B. Maggiore

CASE 23-E-0655 - In the Matter of New York Independent System Operator, Inc. Proposed Public Policy Transmission Needs for Consideration for 2022.

ORDER ADDRESSING PUBLIC POLICY REQUIREMENTS FOR TRANSMISSION PLANNING PURPOSES

(Issued and Effective June 22, 2023)

BY THE COMMISSION:

INTRODUCTION

On August 31, 2022, the New York Independent System Operator, Inc. (NYISO) commenced a new round of the Biennial Public Policy Transmission Planning Process specified under Attachment Y of its Open Access Transmission Tariff (OATT) by requesting interested entities to identify Public Policy Requirements that may "drive the need" for transmission development in the State.[1] Under the NYISO's process, the Public Service Commission (Commission) considers the input provided in response to the NYISO's request and may then determine whether

[1] Unless otherwise defined in this Order, capitalized terms used herein have the same meanings given to them under the OATT.

NYC PPTN Report

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
- Con Edison Technical Conference Presentation
- Con Edison FAQs
- NYISO FAQs #1
- DPS PSC Order Q&A Document (Jan 2024)

New York ISO

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

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