

New Generator Inclusion Screening– *2024-2025 IRM PBC*

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Revised: May 5, 2023

Revision: Terminology correction
and modeling clarification on
Off-Shore Wind Modeling slide

Agenda

- **Background**
- **Past Inclusions Review**
- **Recommendations**
- **Off-Shore Wind Modeling**
- **Next Steps**

Background

- **As part of the IRM process, the NYISO reviews new generation projects to determine if any should be included in the IRM study**
 - This review will be repeated during the Final Base Case process
- **The methodology used by the NYISO remained the same as presented during ICS Meeting #261 on June 1st, 2022**
 - <https://www.nysrc.org/PDF/MeetingMaterial/ICSMeetingMaterial/ICS%20Agenda%20261/A.1.%206.3%20-%20New%20Generator%20Assumptions%5b4905%5d.pdf>
- **The process considers the following data inputs:**
 - Gold Book (2023 Table IV-1)
 - Interconnection Queue (NYISO Interconnection Queue 2/28/23, Published 3/15/2023)
 - Most Recent STAR or RNA (2023 Q1 STAR Report)
 - <https://www.nyiso.com/documents/20142/16004172/2023-Q1-STAR-Report-Final.pdf/6010cdf1-93d8-c05c-3e5c-484b6901c6c0>
 - Input from Customer Registration (Updated Customer Registration information as of April 13th)

Past Inclusions Review

Included in	New Project Name	Fuel	Zone	SP (MW)	WP (MW)	In-Service by 6/1 of Study Year?	Notes
2022-2023 IRM Study	Calverton Solar Energy Center	Solar	K	22.9	22.9	Y	In-Service Date: 6/2/2022
	Roaring Brook Wind	Wind	E	78.0	78.0	Y	In-Service Date: 8/30/2021
	Branscomb Solar	Solar	F	20.0	20.0	Y	In-Service Date: 12/18/2021
	Grissom Solar	Solar	F	20.0	20.0	N	In-Service Date: 2/23/2023
	Regan Solar	Solar	F	20.0	20.0	N	In-Service Date: 12/28/2022
	Janis Solar	Solar	C	20.0	20.0	N	In-Service Date: 2/23/2023
	Puckett Solar	Solar	C	20.0	20.0	N	In-Service Date: 9/27/2022
	Pattersonville	Solar	F	20.0	20.0	N	Expected in-service later in 2023, delays
	ELP Stillwater Solar	Solar	F	20.0	20.0	N	Expected in-service later in 2023, delays
2023-2024 IRM Study	Darby Solar	Solar	F	20.0	20.0	N	Expected in-service soon
	Eight Point Wind Energy Center	Wind	C	101.8	101.8	Y	In-Service Date: 2/8/2023
	Baron Winds (Phase 1)	Wind	C	121.8	121.8	Y	In-Service Date: 2/7/2023
	Number 3 Wind Energy	Wind	E	103.9	103.9	M	Expected in-service soon, expected to make June timeline
	KCE NY 6	Energy Storage	A	20.0	20.0	M	Expected in-service soon, may not make June timeline
	Ball Hill Wind	Wind	A	100.0	100.0	N	Expected in-service later in 2023, delays
Bluestone Wind	Wind	E	111.8	111.8	N	Expected in-service later in 2023, delays	

- **16 new projects were included in the past two IRM studies**
 - 5 new projects met the criteria of in-service by June 1st of the applicable capability year
 - 2 new projects added to the 2023-2024 IRM study are expected in-service soon and may make the June 1st timeline
 - 9 new projects did not make/are not expected to make the June 1st criteria
- **No new projects have come in-service that were missed during the new generator screenings**

Recommendations

- After reviewing the generation projects, the NYISO recommends including the following 5 projects for the 2024-2025 IRM PBC

New Project Name	Unit Type	Zone	Summer Capacity	Winter Capacity
Albany County	Solar	F	20.00	20.00
Albany County II	Solar	F	20.00	20.00
East Point Solar	Solar	F	50.00	50.00
South Fork Wind Farm	Wind	K	96.00	96.00
South Fork Wind Farm II	Wind	K	40.00	40.00

- Please refer to the supplementary “6.2a_NewGeneratorInclusionScreening_2023.05.03.xlsx” file attached with this presentation for more information on units that were reviewed further after initial Gold Book and IQ screening

Off-Shore Wind Modeling

■ South Fork Wind Farm, South Fork Wind Farm II

- Both units will be modeled with:
 - CRIS from Gold Book Table IV-1
 - Most recent 5 years' (2017 – 2021) production shapes for Wind Farm 4 posted to the ICAPWG on February 7, 2023
 - The 2018 – 2021 shapes will align with the corresponding shapes for all other intermittent resources in the model
 - The 2017 shape will align with the 2022 shapes for all other intermittent resources in the model

https://www.nyiso.com/documents/20142/36079056/4%20NYISO_OffshoreWind_Hourly_NetCapacityFactor.xlsx/dc15cb6a-b6fc-6a6a-e1d0-467d5c964079

- 37.6% UCAP % - Translation factor calculated utilizing the same 5 years' production shapes above (2017 – 2021)



ICAPWG posting (Info tab)



<https://southforkwind.com/about-south-fork-wind>

Next Steps

- **The NYISO will implement any approved recommendations, as determined by the ICS, for the 2024-2025 IRM Preliminary Base Case**
- **The NYISO will further review New Generator Recommendations during the 2024-2025 IRM Final Base Case process**

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Vision

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

Questions?