

Queue Interconnection Studies of Projects Potentially Affecting Neighboring Systems

IPSAC WebEx

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Summary

- Projects in the respective ISO/RTO interconnection queues may have potential interregional effects on neighboring systems
 - This requires coordination of studies across ISO/RTO borders
- The Joint ISO/RTO Planning Committee continues to
 - Coordinate system data bases and models
 - Identify and evaluate the performance of projects affecting interregional system performance
- The ISO/RTO interconnection queues can be found at:
 - <https://www.iso-ne.com/irq>
 - <https://www.nyiso.com/interconnections>
 - <https://www.pjm.com/planning/service-requests/services-request-status>
- Several projects will now be discussed with the IPSAC
 - Slides show the effective date of April 1, 2026 for every ISO/RTO Queue
 - Changes from the December 5, 2025 IPSAC meeting are shown in red

NYISO TRANSMISSION AND GENERATION PROJECTS WITH POTENTIAL INTERREGIONAL IMPACTS

Supriya Tawde – NYISO

NYISO Interconnection Queue Transmission Projects with Potential ISO-NE/PJM Impact

Transmission Project	Queue Number	NYISO Zone(s)	Regions Affected	Proposed I/S Date
Propel NY Energy - Alternate Solution 5	1289	I,J,K	ISO-NE	Jun-30
Queensboro Renewable Express Circuit A	1365	J	PJM	Apr-29
Queensboro Renewable Express Circuit B	1366	J	PJM	Apr-29
Liberty Green Line	1555	J	PJM	Jan-29
Designated Public Policy Project Rainey Breaker Replacement	1667	J	ISO-NE	May-30
NS Power Express	631	J	ISO-NE/PJM	May-26
CH Uprate	887	J	ISO-NE/PJM	May-26
Liberty Link 1	1688	J	PJM	Dec-32
Liberty Link 2	1689	J	PJM	Dec-32
Liberty Link 3	1690	J	PJM	Dec-32

NYISO Interconnection Queue Generation Projects with Potential ISO-NE/PJM Impact

Project	Queue Number	NYISO Zone	Affected System(s)	Requested ERIS (MW)	Proposed Initial Backfeed Date
Coral Energy Storage	C24-066	C	PJM	100	Jun-27
Oakdale Battery Storage LLC	C24-032	C	PJM	150	Mar-30
Basecamp BESS	C24-097	A	PJM	170	Sep-28
Gemma Energy Storage	C24-060	C	PJM	200	Jun-27
Hemlock Hollow Wind	C24-052-001	A	PJM	95	Jul-29
Maplehurst Energy Park	C24-065	A	PJM	75	Jun-27
Iris Bloom Solar	C24-115	A	PJM	150	Sep-29
Dunkirk Energy Storage	C24-124	A	PJM	100	Oct-28
Lighthouse Energy Storage	C24-074	A	PJM	250	Feb-27
Braen Energy Storage Phase 1	C24-089	G	PJM	500	Mar-28
Bath Solar	C24-103	C	PJM	185	Apr-28
Grapevine Storage	C24-257	A	PJM	200	Jun-28
Winner Solar	C24-128	C	PJM	120	Jun-28
Willard Storage	C24-148	F	ISO-NE	300	Oct-28
Zenobe Stockton LLC	C24-155	A	PJM	100	Dec-27
Southern Tier Energy Center	C24-182	C	PJM	200	Oct-29
Ball Hill BESS	C24-168	A	PJM	250	Dec-27
Stargazer I	C24-175	A	PJM	325	Jan-29
Stargazer II	C24-176	A	PJM	325	Jan-29
Dewdrop Wind	C24-230	A	PJM	62	Jun-29
Zenobe Rotterdam LLC	C24-191	F	ISO-NE	100	Dec-27

NYISO Interconnection Queue Generation Projects with Potential ISO-NE/PJM Impact (Cont.)

Project	Queue Number	NYISO Zone	Affected System(s)	Requested ERIIS (MW)	Proposed Initial Backfeed Date
Zenobe-Lancaster-LLC	C24-213	A	PJM	100	Jun-28
NY Chateaugay 0 Willis Rd Storage	C24-304-004	D	ISO-NE	150	Feb-28
PA-Hockenberry-LLC	C24-245	A	PJM	400	Sep-29
Cohocton	C24-224	C	PJM	130	Jul-29
Shallow Seam BESS	C24-233	C	PJM	400	Sep-28
Van-Buren-Storage	C24-325	A	PJM	150	Sep-28
Empire	C24-249	A	PJM	60	Nov-28
Berry-Farm-Storage	C24-264	A	PJM	120	Jan-29
Resilient New York Energy Storage	C24-283	J	PJM	349	Nov-28
Loganberry-Energy-Storage-LLC	C24-292	A	PJM	150	Jul-30
Kimberlite Solar	C24-300	C	PJM	175	Sep-28
Moonlight Flats Solar	C24-301	C	PJM	250	Sep-28
Black-Cherry-Wind-1	C24-298	A	PJM	350	May-29
Black-Cherry-Wind-2	C24-299	A	PJM	150	May-29
PA-Fritz-Kiln-LLC	C24-335	A	PJM	300	Sep-29
Black-Cherry-BESS	C24-309	A	PJM	400	May-29
Southport-Solar-PV-Project	C24-313	E	PJM	42	Sep-28
York Run Solar	1151	A	PJM	90	Aug-28
Mineral Basin Solar Power	1080	C	PJM	401.64	Mar-28

NYISO Interconnection Queue Update

- Phase 1 Study of the Transition Cluster Study ended on November 3, 2025
 - Identification and cost estimate of CTOAFs, Local SUFs, and Distribution Upgrades
- Phase 2 started November 19, 2025
 - Identification and Cost Estimate of SUFs and SDUs
- Anticipated start of next Cluster Study is July 31, 2026

Questions



ISO NEW ENGLAND TRANSMISSION AND GENERATION PROJECTS WITH POTENTIAL INTERREGIONAL IMPACTS

Stojan Nikolov – ISO-NE



ISO New England Interconnection Requests that had, are having, or will need Interregional Coordination

Active Projects

QP	Type	Requested	Name	Net MW	ST	OpDate	Interconnection Point	SIS
501	ETU	2/16/2015	HVDC Tie - Import only	1000	VT	12/31/2027	HQ 735 kV substation to VELCO 345 kV Coolidge substation	Yes
639	ETU	4/19/2017	HVDC Tie	1000	ME	01/07/2026 Commercial	CMP Larrabee Rd 345 kV Substation	Yes
1513	G	4/08/2024	Battery Storage	408.1 300	MA	8/30/2028	Bear Swamp- Pratts Junction 230kV	No
1515	G	4/09/2024	Battery Storage	508.39 290	MA	08/30/2028	Alps-Berkshire 345kV line	No

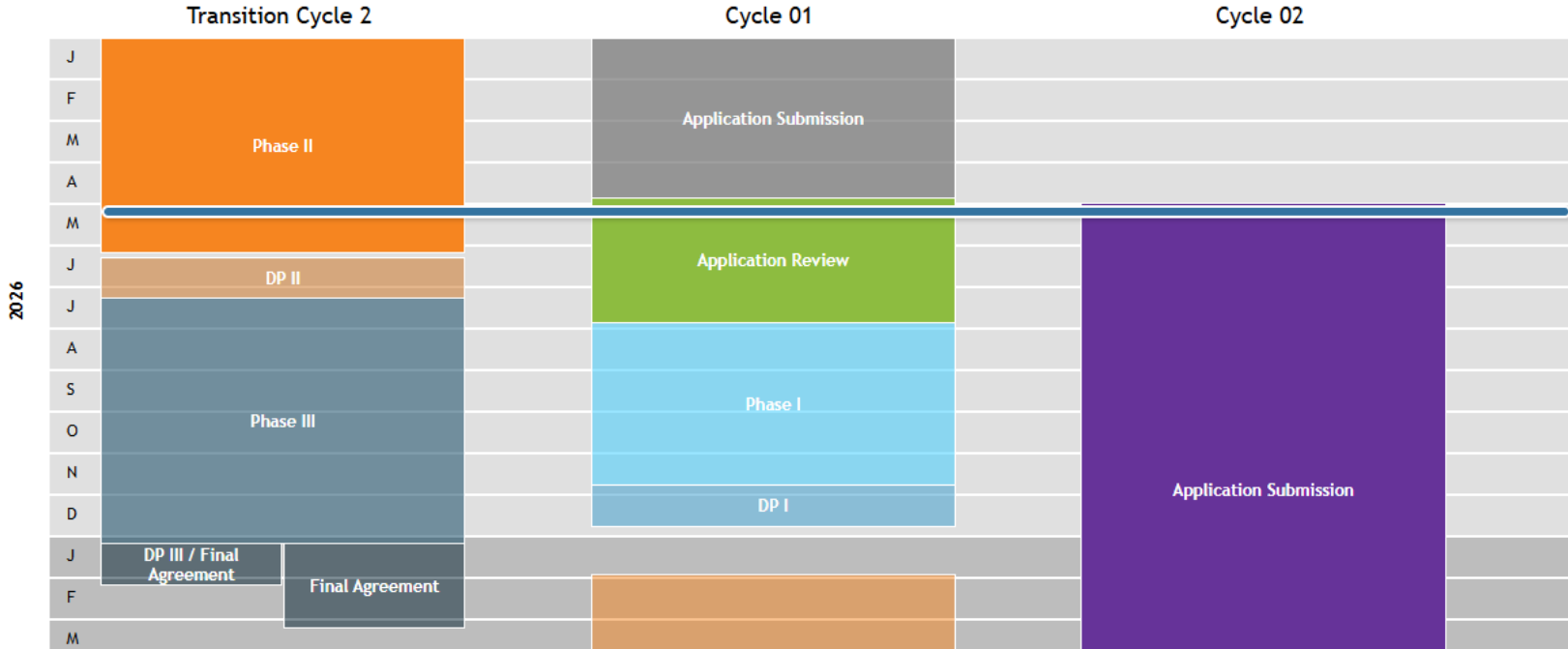
Questions



PJM TRANSMISSION AND GENERATION PROJECTS WITH POTENTIAL INTERREGIONAL IMPACTS

Mojtaba Hoshmand– PJM

PJM INTERCONNECTION CYCLE STUDY TIMELINE



PJM INTERCONNECTION CYCLE STUDY TIMELINE

Interconnection Cycle Study Timeline									
Phase	Transition Cycle 2			Cycle 01			Cycle 02		
	Start Date	End Date	Duration	Start Date	End Date	Duration	Start Date	End Date	Duration
Application Deadline	12/17/2024	12/17/2024	0	4/27/2026	4/27/2026	0	6/21/2027	6/21/2027	0
Application Review	12/18/2024	7/6/2025	201	4/28/2026	7/27/2026	91	6/22/2027	9/20/2027	91
Model Posting	6/6/2025	6/6/2025	0	6/26/2026	6/26/2026	0	8/20/2027	8/20/2027	0
Phase I	7/7/2025	10/31/2025	117	7/28/2026	11/24/2026	120	9/21/2027	1/18/2028	120
Decision Point I	11/3/2025	12/2/2025	30	11/25/2026	12/24/2026	30	1/19/2028	2/17/2028	30
Phase II	12/3/2025	6/5/2026	185	2/4/2027	8/2/2027	180	3/30/2028	9/25/2028	180
Decision Point II	6/8/2026	7/7/2026	30	8/3/2027	9/1/2027	30	9/26/2028	10/25/2028	30
Phase III	7/8/2026	1/4/2027	181	9/2/2027	2/28/2028	180	10/26/2028	4/23/2029	180
Decision Point III	1/5/2027	2/3/2027	30	2/29/2028	3/29/2028	30	4/24/2029	5/23/2029	30
Final Agreement Negotiation	1/5/2027	3/5/2027	60	2/29/2028	4/28/2028	60	4/24/2029	6/22/2029	60

Start Date Dependency:

<p>Transition Cycle 2, Phase II: Dependent on Transition Cycle 1 DP3 close</p>	<p>Transition Cycle 2, Phase III: Dependent on Transition Cycle 1 GIAs executed or withdrawn</p>	<p>Cycle 01, Phase I: Dependent on Transition Cycle 2 DP2 close, Cycle 01 Review completion and Cycle 01 Model being posted for 30 days</p>
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Legend:

■ Actual date

■ Projected date

PJM QUEUE PROJECTS JOINTLY COORDINATED WITH NYISO AND ISO-NE

Queue ID	Project Description	Fuel Type	Transmission Zones	Total Facility	Capacity Value (MW)	Energy Value (MW)	Project Status
AE2-074	Potter 46 kV	Solar	PENELEC	35	15.11	35	Under Construction
AE2-113	Farmers Valley-Ridgeway 115 kV	Solar	APS	120	61.9	120	Under Construction
AE2-139	East Towanda-Grover 230 kV	Solar	PENELEC	100.5	60.3	100.5	Engineering and Procurement
AE2-299	Erie East 230 kV	Battery/Storage	PENELEC	160	32	160	Suspended
AE2-344	Edinboro South-Venango Junction 115 kV	Solar	PENELEC	116.5	69.9	116.5	Suspended
AF1-287	Edinboro South 34.5 kV II	Solar	PENELEC	20	12	20	Withdrawn
AF1-094	Union City-Cambridge Springs 34.5 kV	Solar	PENELEC	20	12	20	Engineering and Procurement
AF1-098	Four Mile Jct-Corry East 115 kV	Solar	PENELEC	80	48	80	Suspended
AF2-294	Thompson 34.5 kV	Solar	PENELEC	17	10.2	17	Suspended
AF2-417	West Damascus Tap-West Damascus 69 kV	Solar	PPL	20	12	20	Engineering and Procurement
AG1-040	Morgan Street-Mount Hope 34.5 kV	Solar	Penelec	20	12	20	Engineering and Procurement
AG1-100	Venango-Saegertown 34.5 kV	Solar	Penelec	20	12	20	Engineering and Procurement
AG1-140	Union City 34.5 kV	Solar	Penelec	2.6	1.7	2.6	Suspended
AG1-156	Jack Frost-Lake Harmony 69 kV	Solar	PPL	60	39.5	60	Engineering and Procurement

PJM QUEUE PROJECTS JOINTLY COORDINATED WITH NYISO AND ISO-NE

Queue ID	Project Description	Fuel Type	Transmission Zones	Total Facility	Capacity Value (MW)	Energy Value (MW)	Project Status
AG1-197	Morgan Street-Cochranon 34.5 kV	Solar	Penelec	15	9	15	Suspended
AG1-198	Union City 34.5 kV	Solar	Penelec	12	7.2	12	In Service
AG1-253	Erie East-Union City 34.5 kV	Solar	Penelec	4	2.7	4	Suspended
AG2-206	Tennessee Gas-East Towanda 115 kV	Solar	Penelec	48.0	28.8	48.0	Withdrawn
AG2-327	Tennessee Gas-East Towanda 115 kV	Solar	Penelec	58.0	6.0	10.0	Withdrawn
AG2-356	South Troy - Canton 34.5 kV	Solar	Penelec	20.0	12.0	20.0	TC2 - Phase 2
AG2-439	Oxbow 34.5 kV	Solar	Penelec	9.8	5.3	9.8	Withdrawn
AG2-456	Pierce Brook-Lewis Run 230 kV	Solar	Penelec	80.0	55.8	80.0	Withdrawn
AG2-457	Pierce Brook - Lewis Run 230 kV	Solar	Penelec	160.0	55.8	80.0	Withdrawn
AH1-005	East Towanda-South Troy 115 kV II	Solar	Penelec	51.0	14.0	14.0	Withdrawn
AH1-102	Seward-Glory 115 kV	Solar	Penelec	100.0	63.4	100.0	Withdrawn
AH1-268	Seward-Glory 115 kV II	Storage	Penelec	100.0	36.6	0.0	Withdrawn
AH1-357	Pierce Brook-Lewis Run 230kV	Solar	Penelec	180.0	12.0	20.0	Withdrawn
AH1-358	Pierce Brook-Lewis Run 230kV	Storage	PENELEC	200.0	20.0	20.0	Withdrawn

PJM QUEUE PROJECTS JOINTLY COORDINATED WITH NYISO AND ISO-NE

Queue ID	Project Description	Fuel Type	Transmission Zones	Total Facility	Capacity Value (MW)	Energy Value (MW)	Project Status
AH1-359	Pierce Brook - Lewis Run 230 kV	Solar	PENELEC	220.0	12.0	20.0	Withdrawn
AH1-360	Pierce Brook - Lewis Run 230 kV	Storage	PENELEC	240.0	20.0	20.0	Withdrawn
AH1-587	Farmers Valley – Ridgeway 115 kV	Solar	PENELEC	200.0	120.0	200.0	Withdrawn
AH1-588	Lewis Run - Pierce Brook 230 kV	Solar	PENELEC	240.0	144.0	240.0	Withdrawn
AH1-589	Lewis Run - Pierce Brook 230 kV	Storage	PENELEC	410.0	170.0	170.0	Withdrawn
AH1-703	Bergen 230kV	Natural Gas	PSEG	670.61	51.254	35.61	TC2 - Phase 2
AH1-715	Linden 230kV	Natural Gas	PSEG	803.17	149.369	127.17	TC2 - Phase 2
AH1-720	East Towanda 230 kV	Natural Gas	PENELEC	907.5	60.0	0.0	Withdrawn
AH1-722	Linden 230kV	Natural Gas	PSEG	806.4	158.1	130.4	TC2 - Phase 2

Questions

