



Operations Performance Metrics Monthly Report

A Report by the
New York Independent System Operator

January 2026

*Prepared by NYISO Operations Analysis and Services, based on settlements
initial invoice data collected on or before February 9, 2026.*

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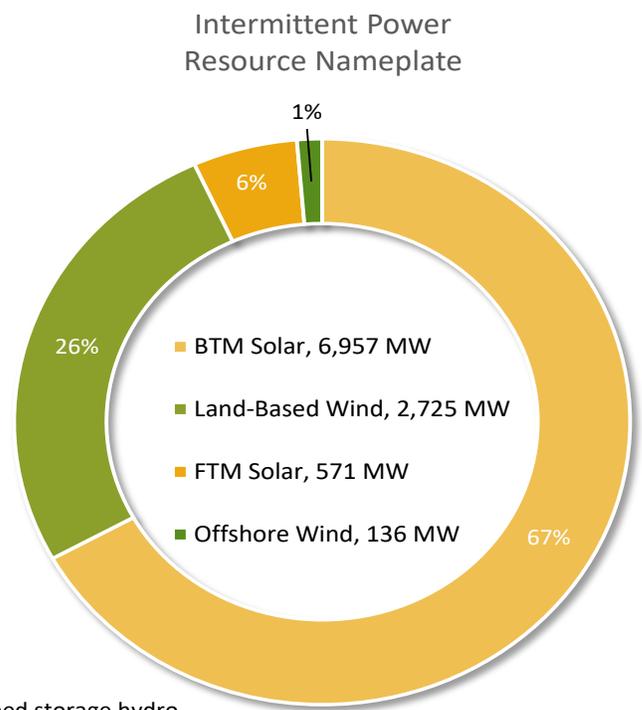
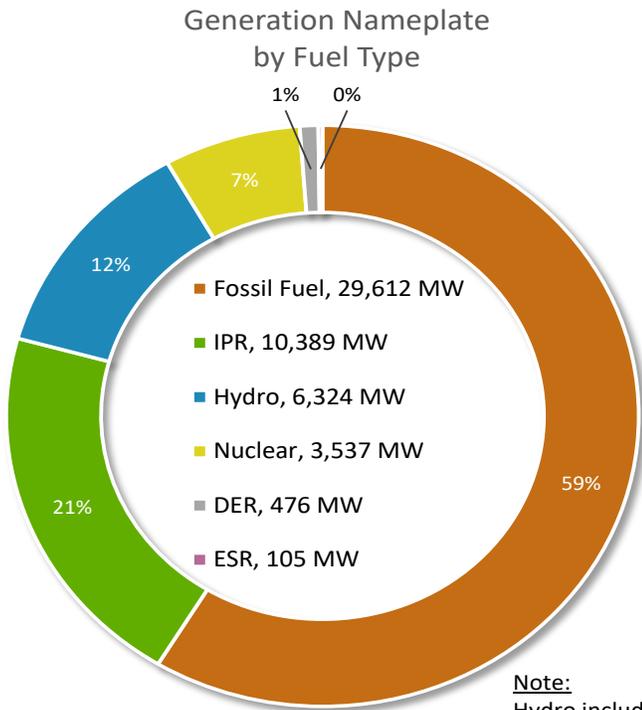
January 2026 Highlights

 Monthly Metered Load		 Historical Metered Load Peaks	
Peak Load 24,177 MW 01/30/2026 HB 18	Minimum Load 14,283 MW 01/10/2026 HB 03	Winter 2026 Peak Load 24,177 MW 01/30/2026 HB 18	All-Time Winter Peak Load 25,738 MW 01/07/2014 HB 18
Monthly Intermittent Resource Peaks		Historical Intermittent Resource Peaks	
 Peak Wind 2,372 MW 01/12/2026 HB 00	 Peak Solar (FTM+BTM) 2,564 MW 01/08/2026 HB 12	 All-Time Peak Wind 2,389 MW 10/31/2025 HB 14	 All-Time Peak Solar (FTM+BTM) 4,809 MW 04/17/2025 HB 12

Notable NYCA System Events

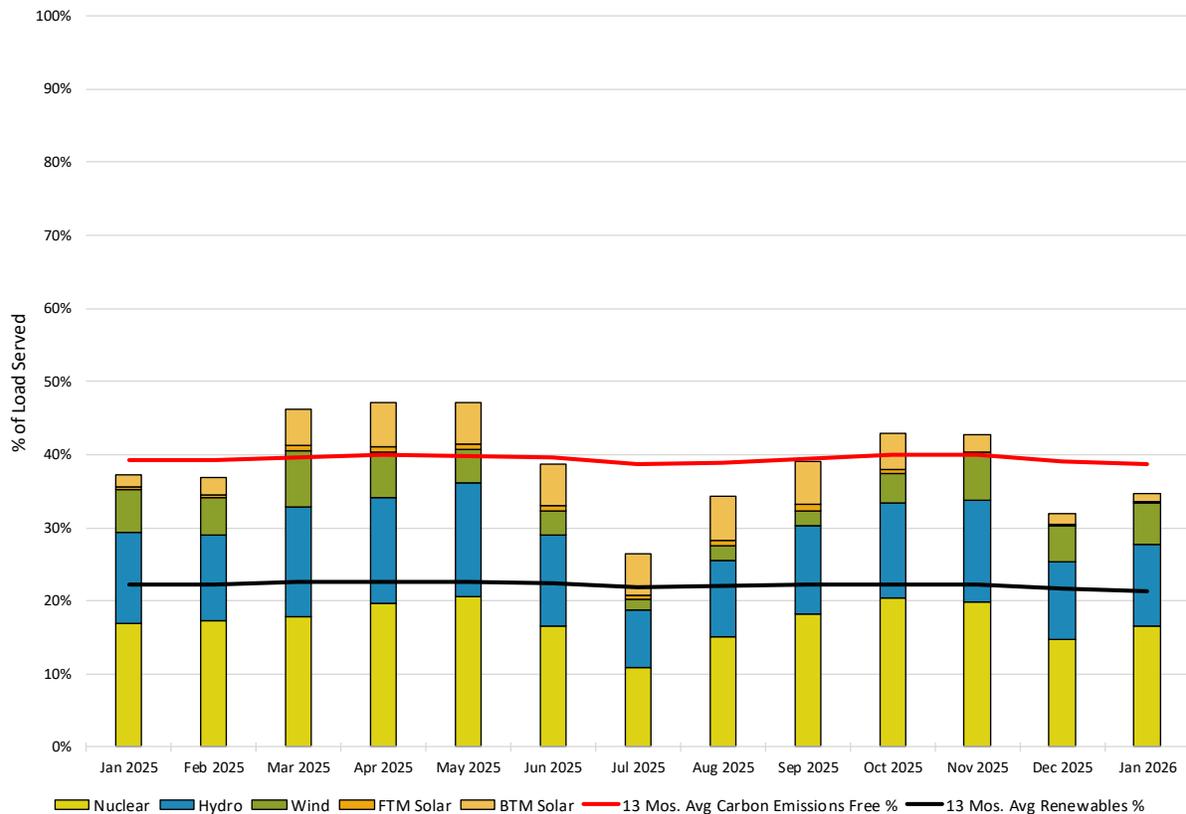
- NYISO began securing the Chemung-North Waverly 115kV (#962) transmission line in the Real-Time Market on 01/13/2026 and in the Day-Ahead Market execution occurring on 01/12/2026 for the 01/13/2026 market day.
- A geomagnetic storm of the highest alert level, K9, impacted New York on January 19, 2026 through early January 20, 2026. Actions taken during the event included operating in the Alert State, restoring out of service transmission elements, extending commitment of generators, solving the system to 90% of established ratings and solving Thunderstorm Alert cases.
- A late January cold snap saw natural gas prices for pipelines serving NY generation ranging between \$50-\$200/MMBtu, with reports of spot quotes more than \$300/MMBtu. This drove up wholesale market prices and contributed to higher statewide costs for the month. Additional information can be found in the [Overview of Market and System Conditions for January 2026](#) presented at the February 2, 2026 MIWG.
- NYISO called External ICAP suppliers for all hours from 01/24/2026 to 01/31/2026.
- EDRP/SCR resources activated six times in January 2026. See Historic EDRP/SCR Activation [web-posting](#).

NYCA Generation Mix



Note:
Hydro includes pumped storage hydro
ESR includes LESR

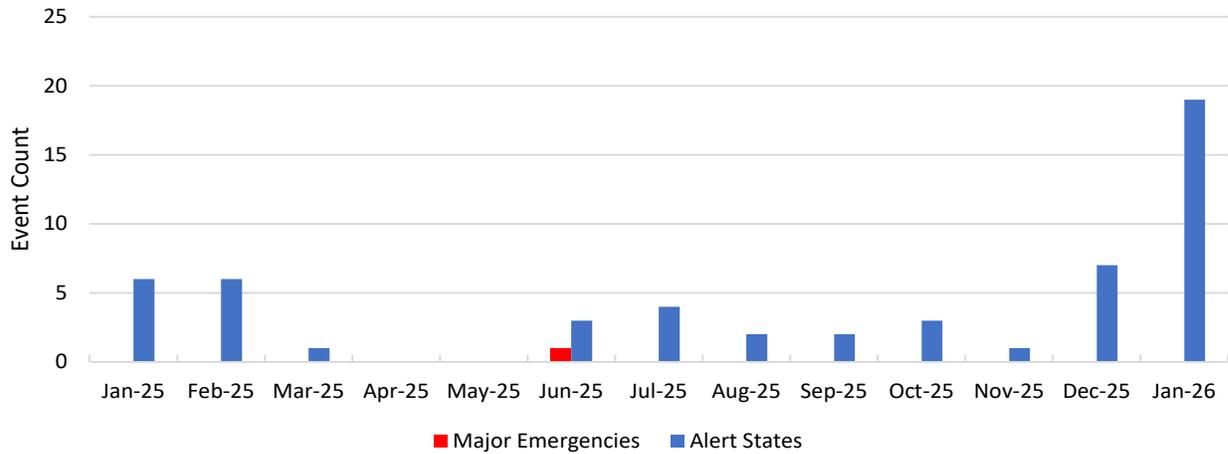
NYCA Load Served by Emissions-Free NYCA Generation



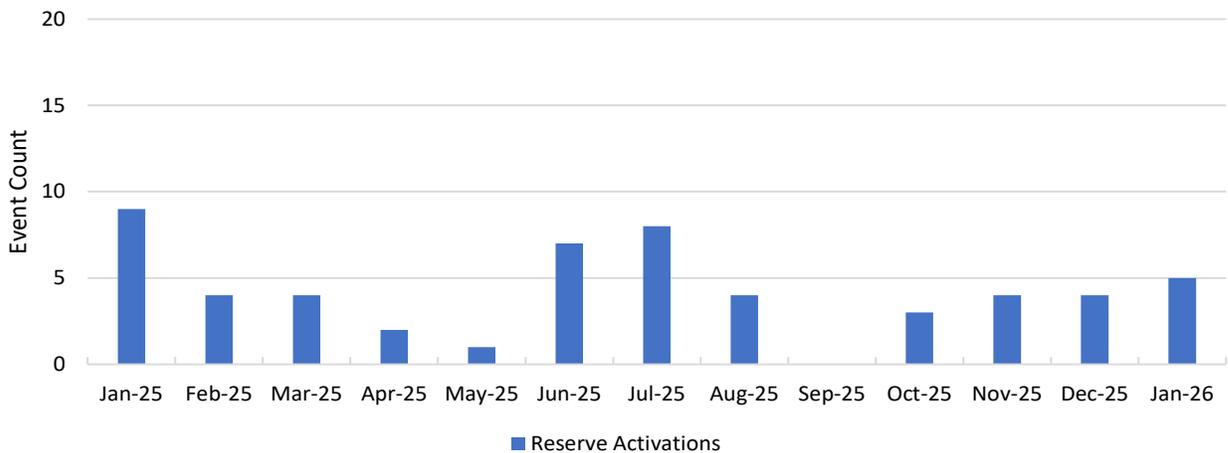
Reliability Performance Metrics

See [Appendix A](#) for metric definitions

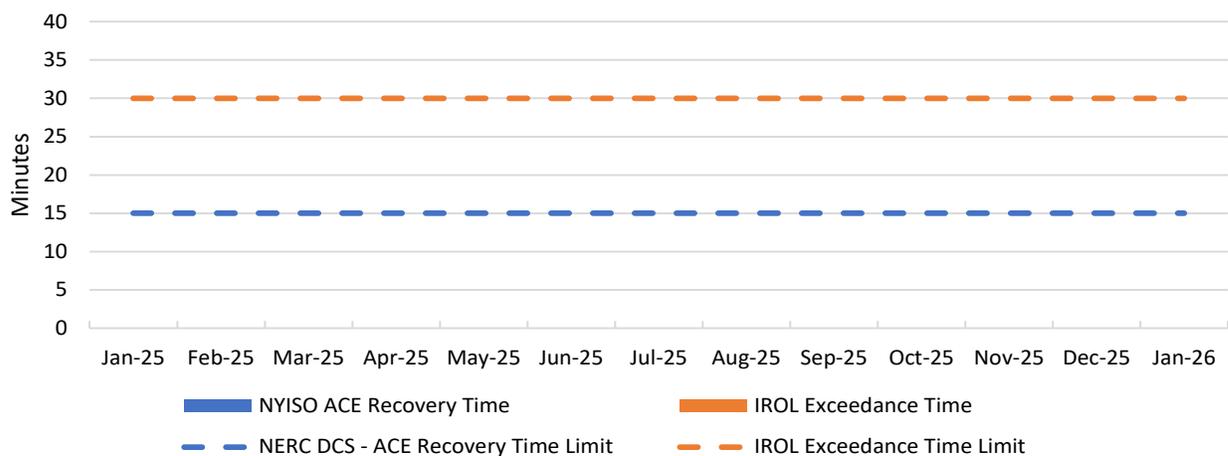
Major Emergency State & Alert State Declarations



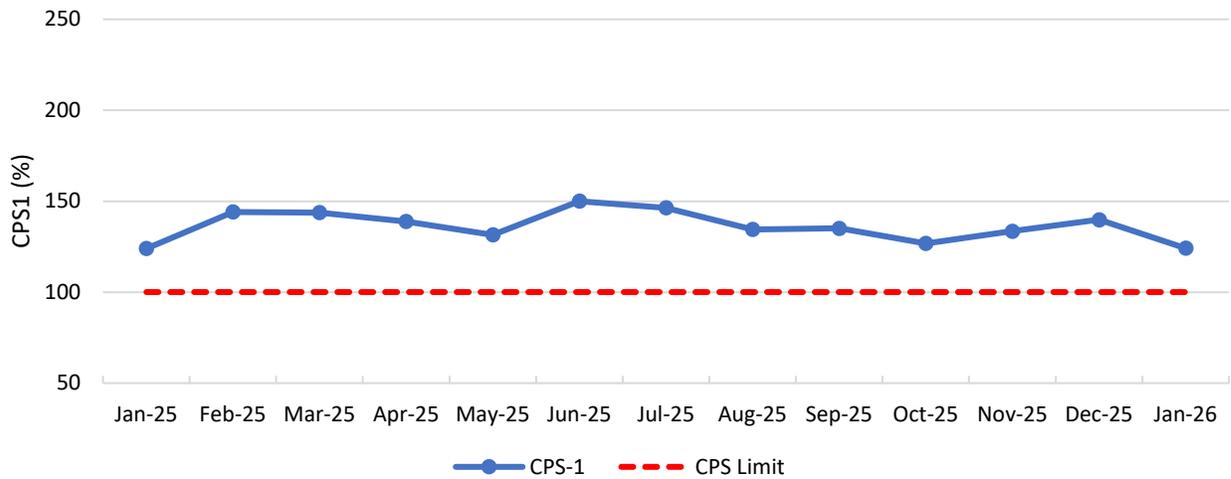
Reserve Activations



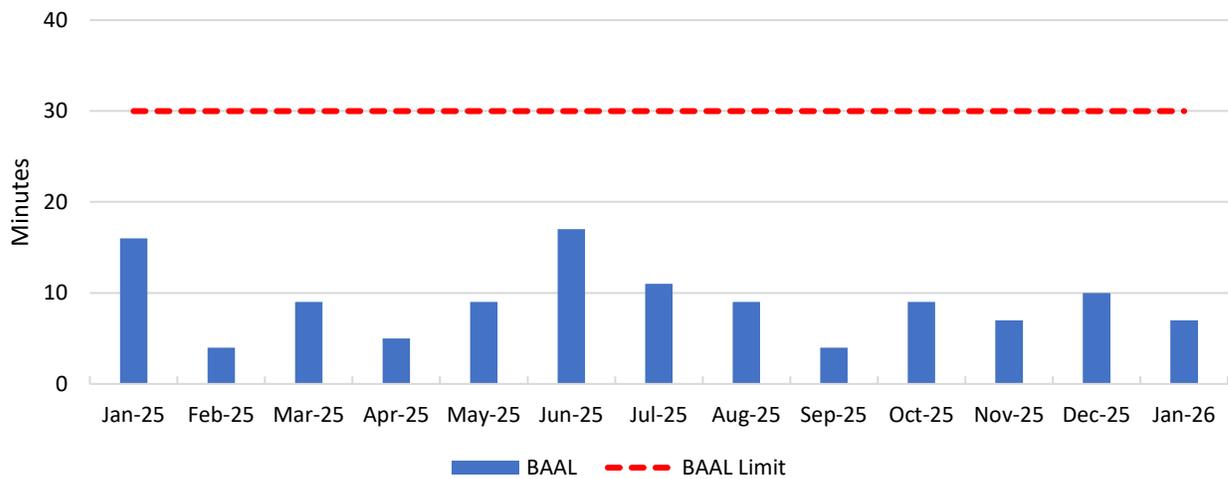
NERC IROL and DCS Reportable Violation Minutes



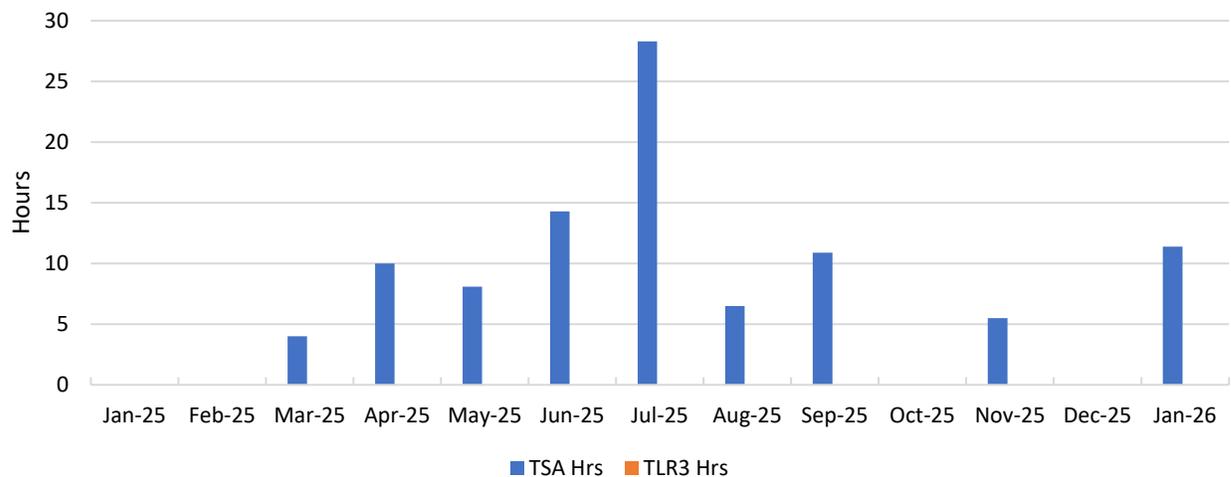
NERC Control Performance Standard



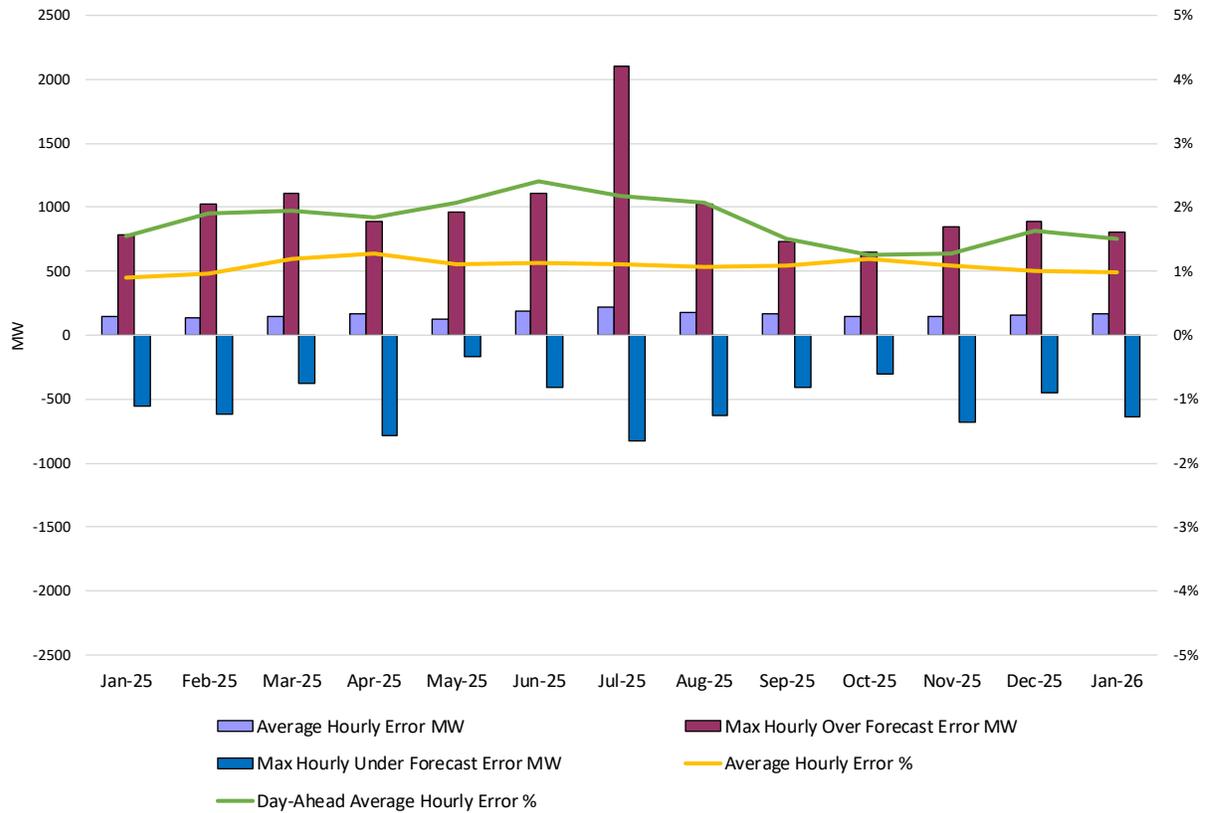
NERC Balancing Authority ACE Limit Standard



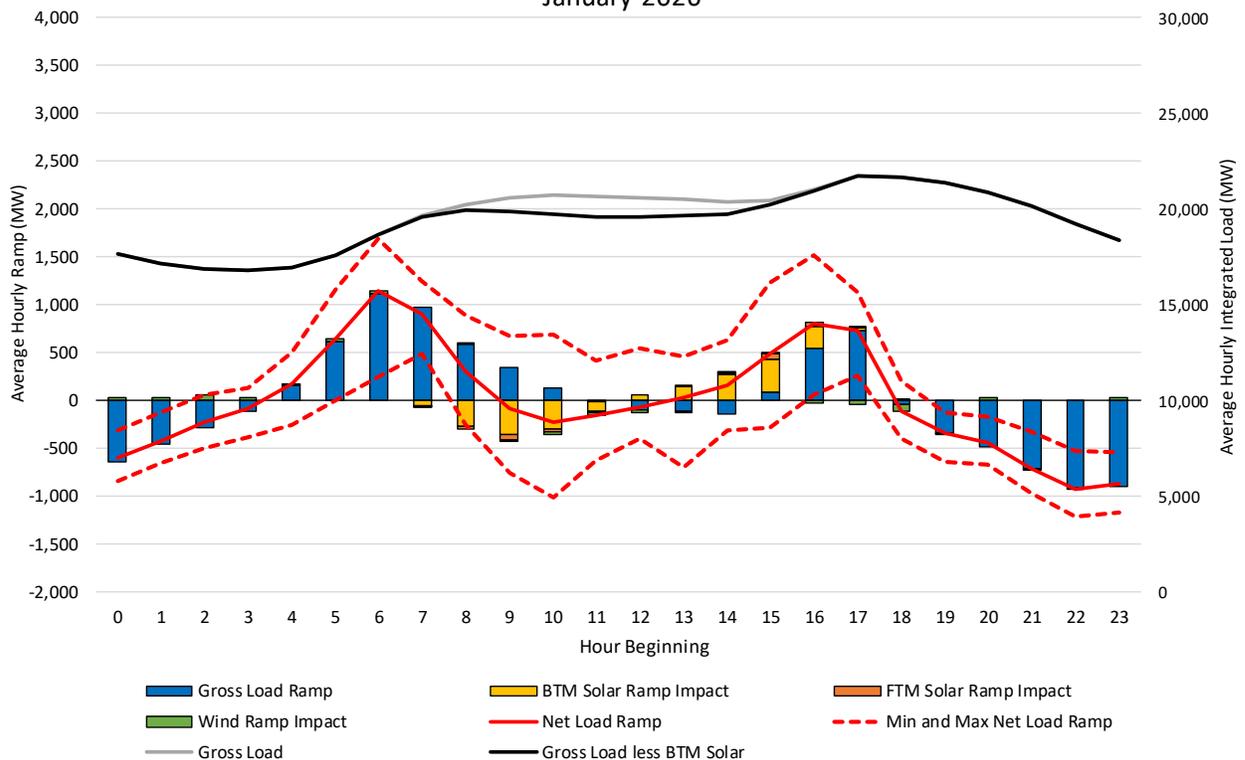
Thunderstorm Alert Hours and NERC TLR-3 Hours



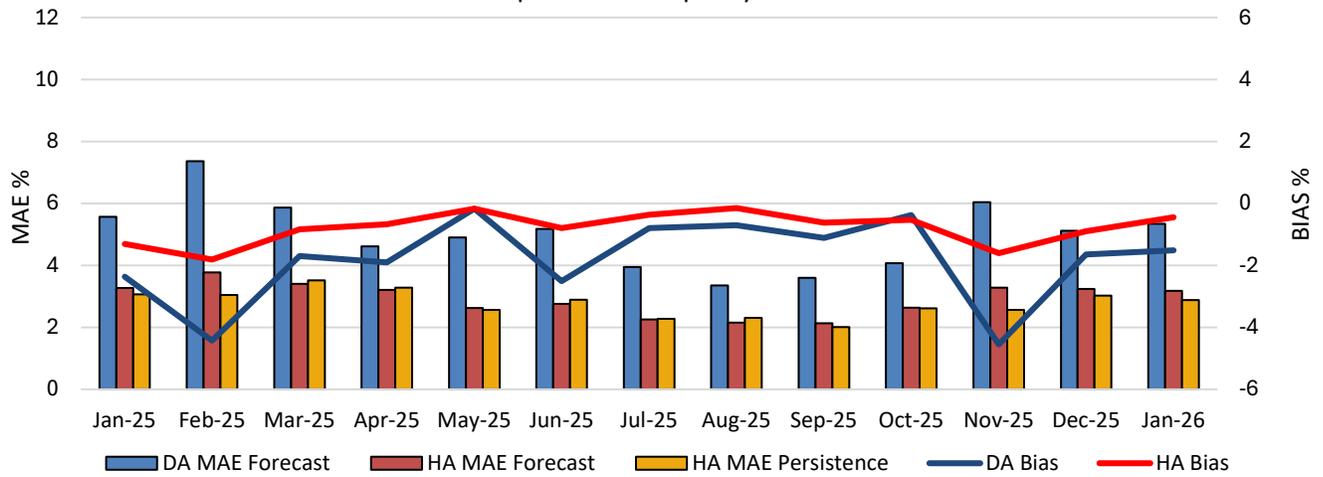
Load Forecast Performance



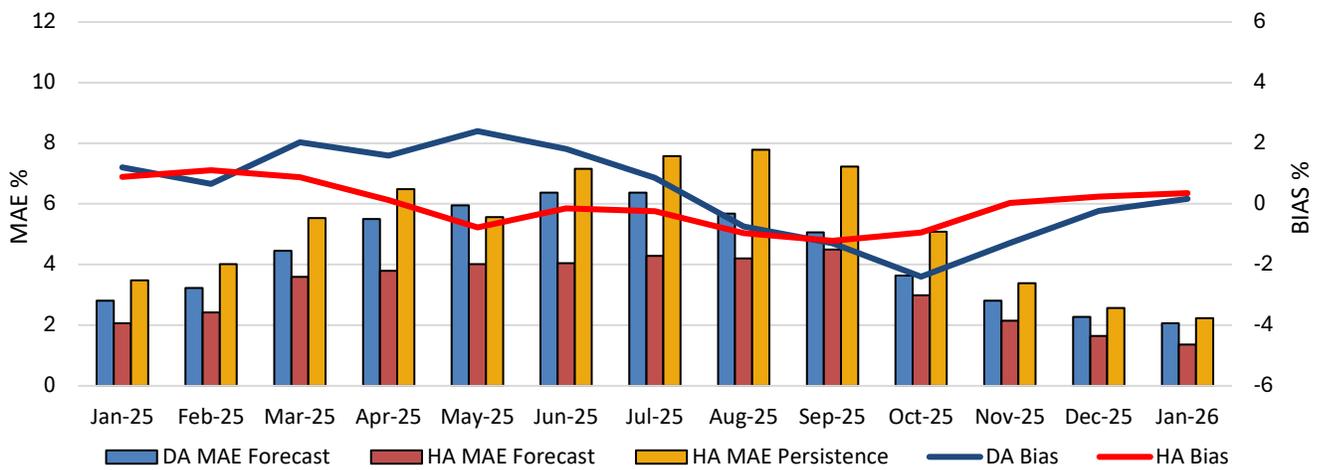
Average Hourly Net Load Ramps January 2026



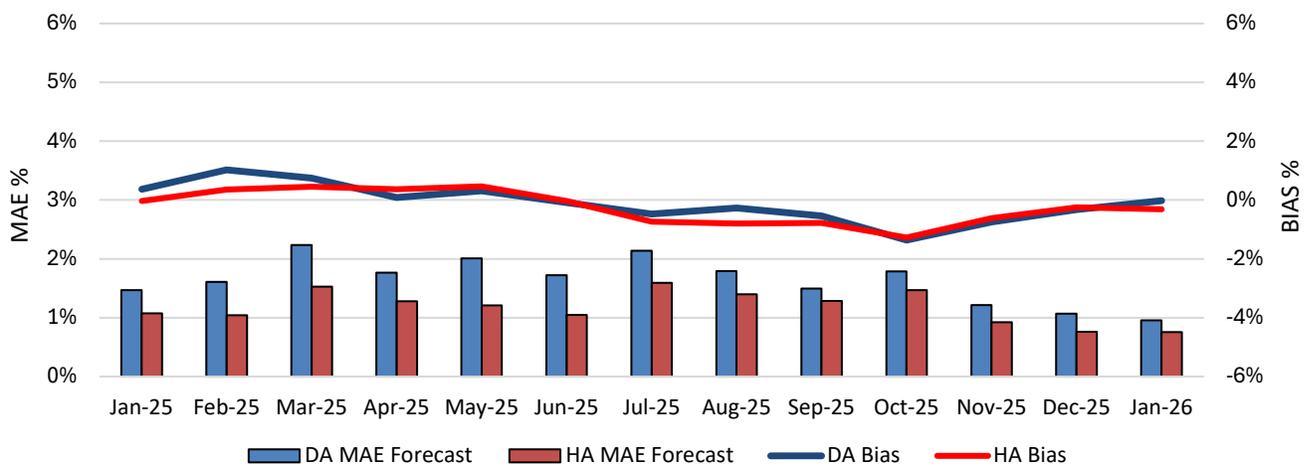
Wind Forecast Performance Nameplate Wind Capacity 2861MW



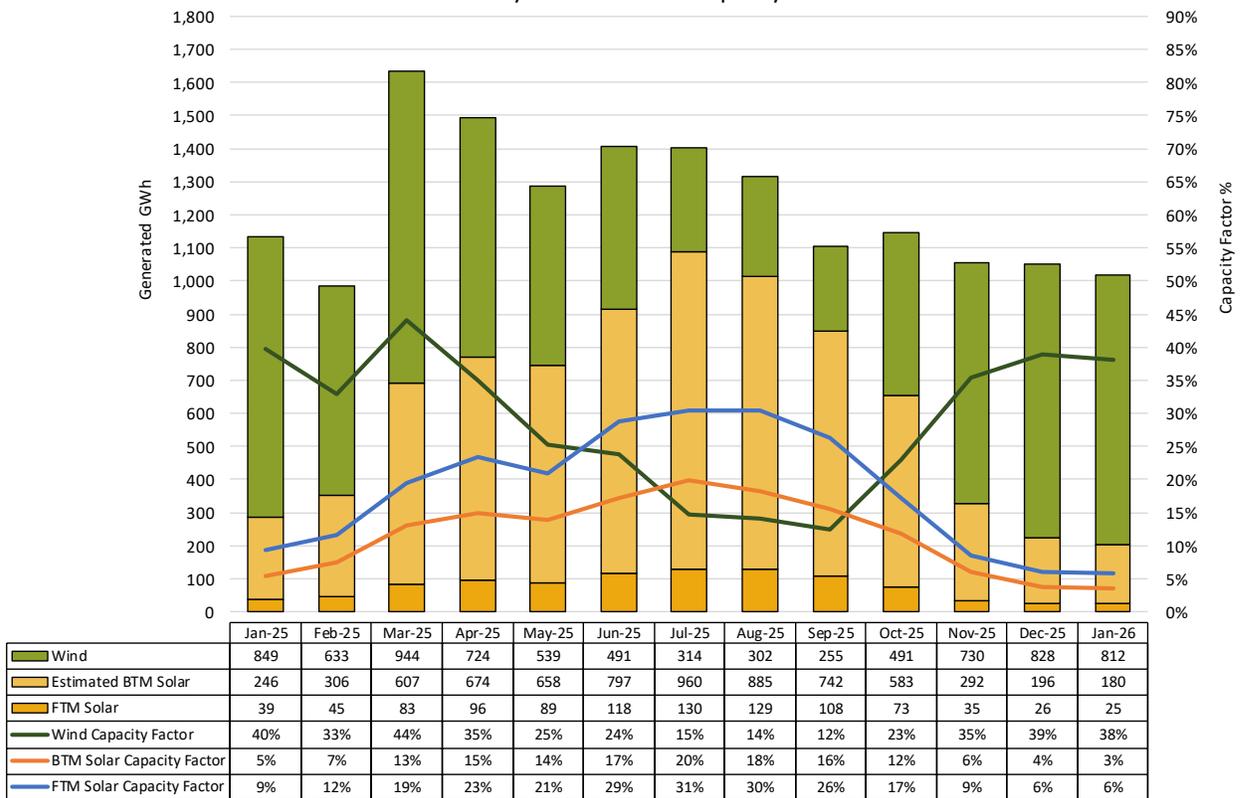
FTM Solar Forecast Performance Nameplate FTM Solar Capacity 571MW



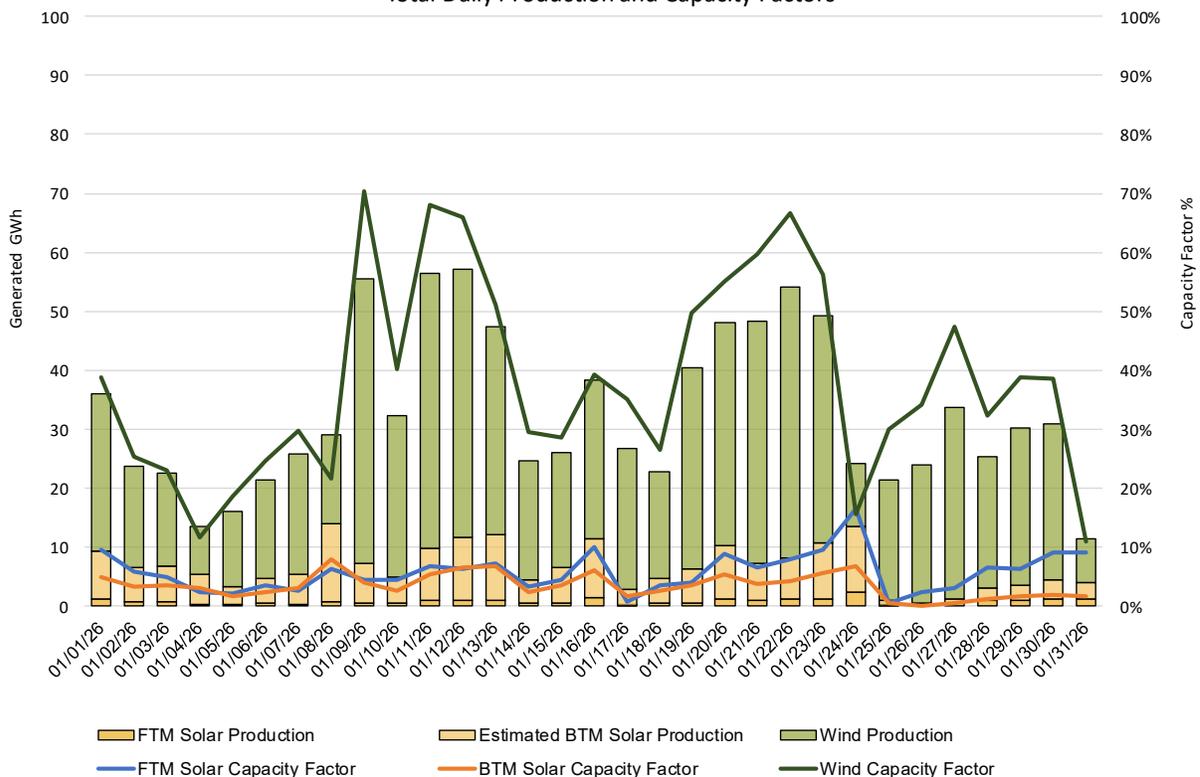
Behind-the-Meter Solar Forecast Performance Nameplate BTM Solar Capacity 6957MW



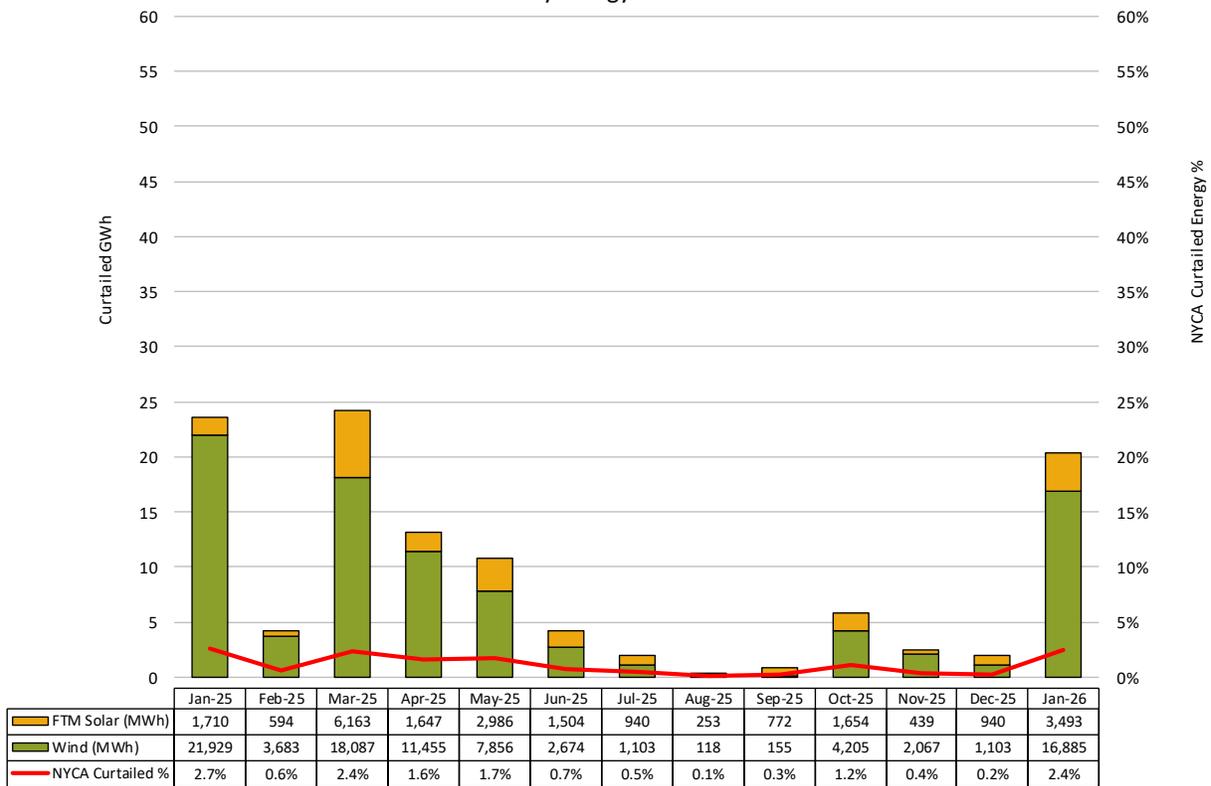
Net Wind and Solar Performance Total Monthly Production and Capacity Factors



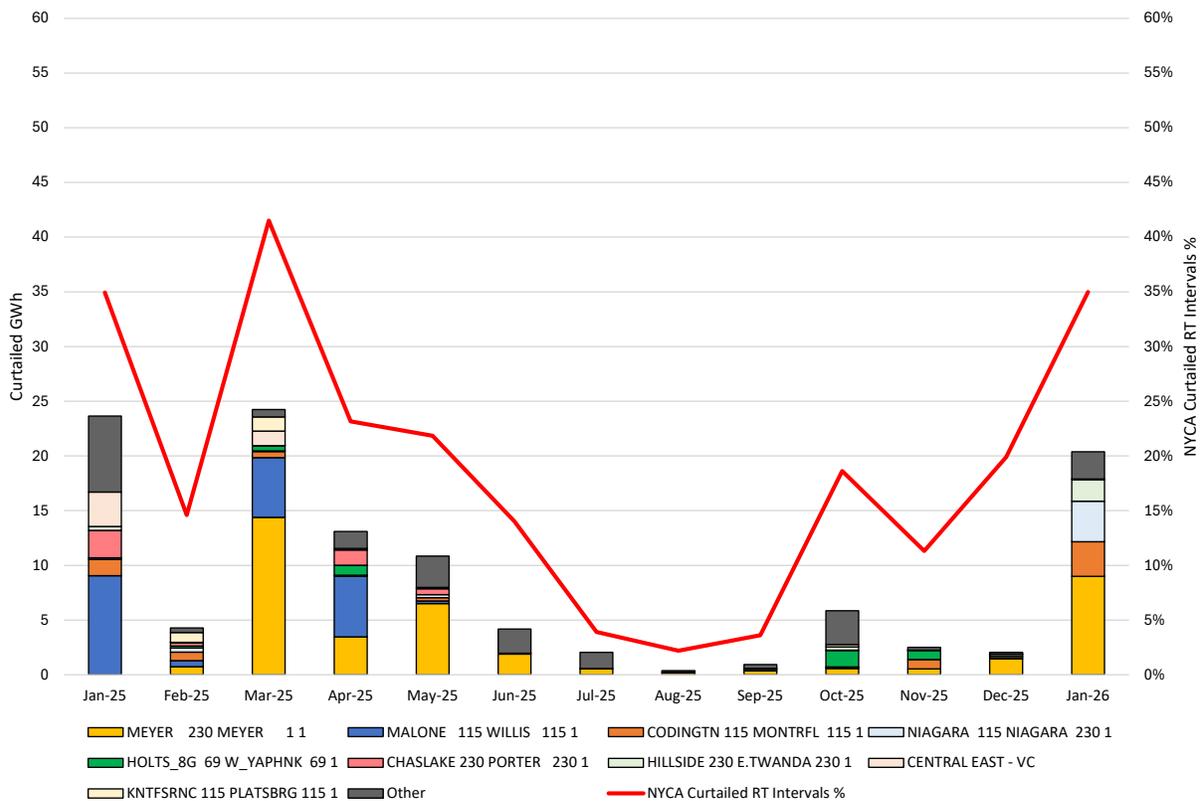
Net Wind and Solar Performance Total Daily Production and Capacity Factors



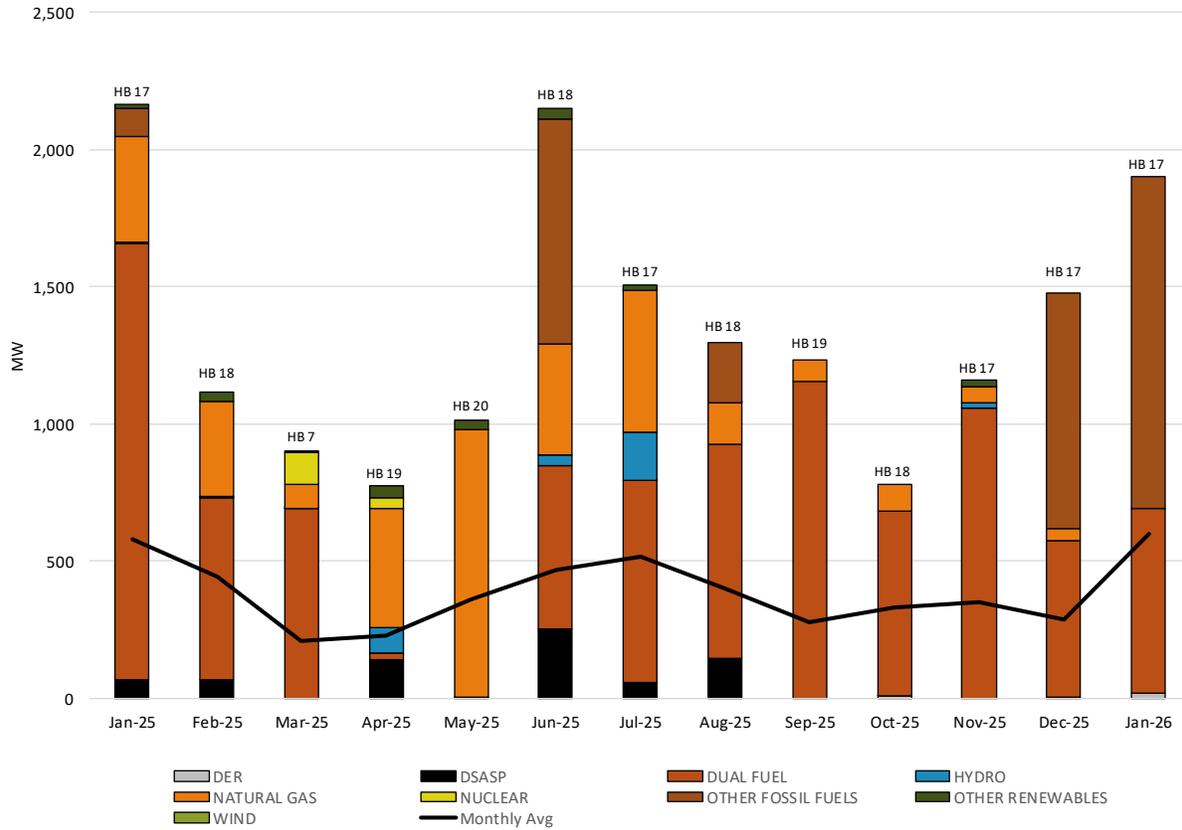
Net Wind and FTM Solar Performance Monthly Energy Curtailment



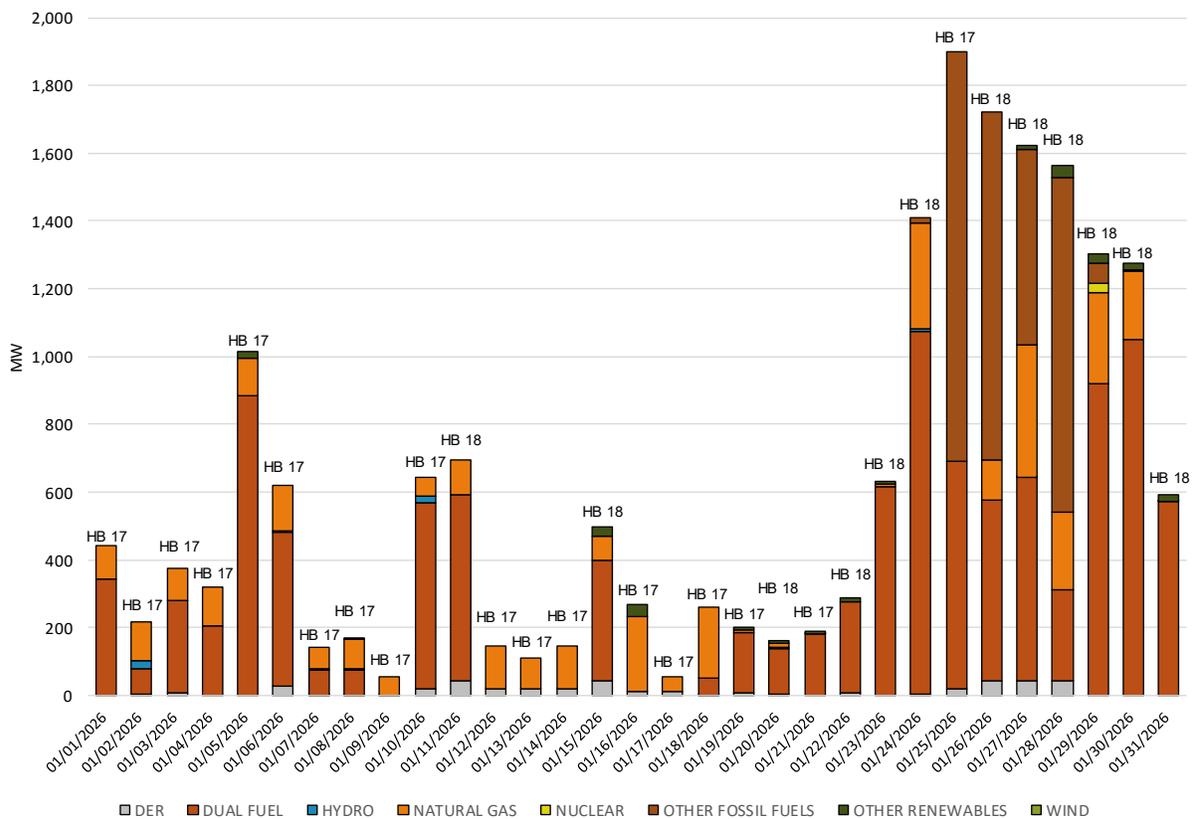
Net Wind and FTM Solar Performance Monthly Energy Curtailment by Limiting Constraint



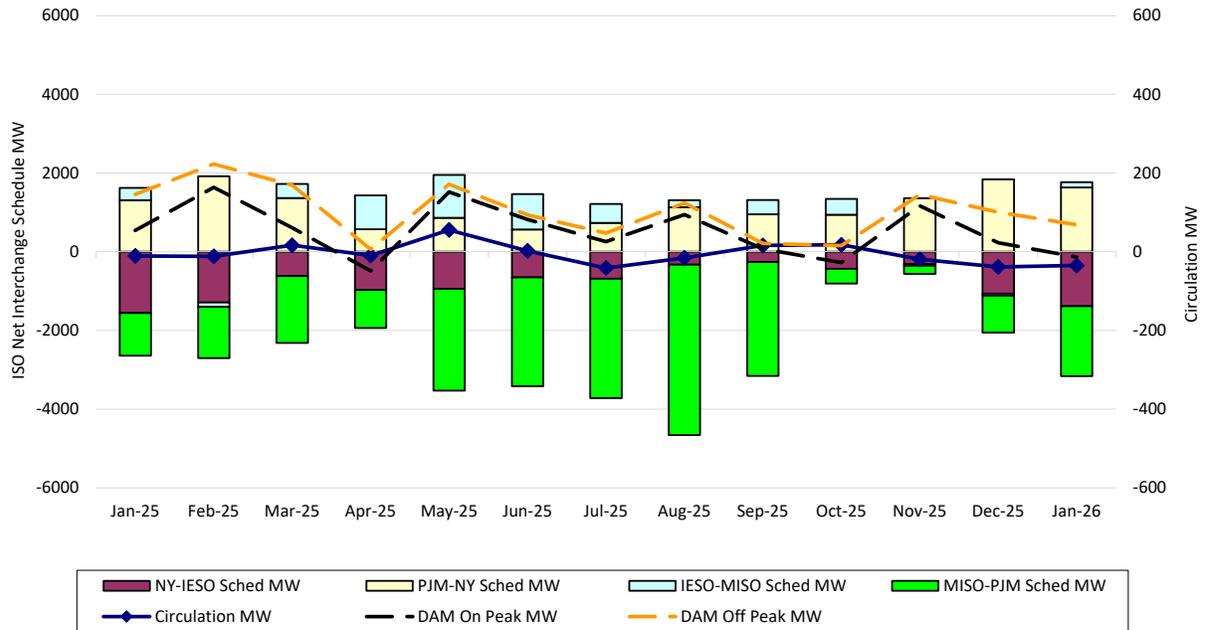
Monthly Maximum Day-Ahead Market Capacity Unavailable In Real Time



Daily Day-Ahead Market Capacity Unavailable In Real Time

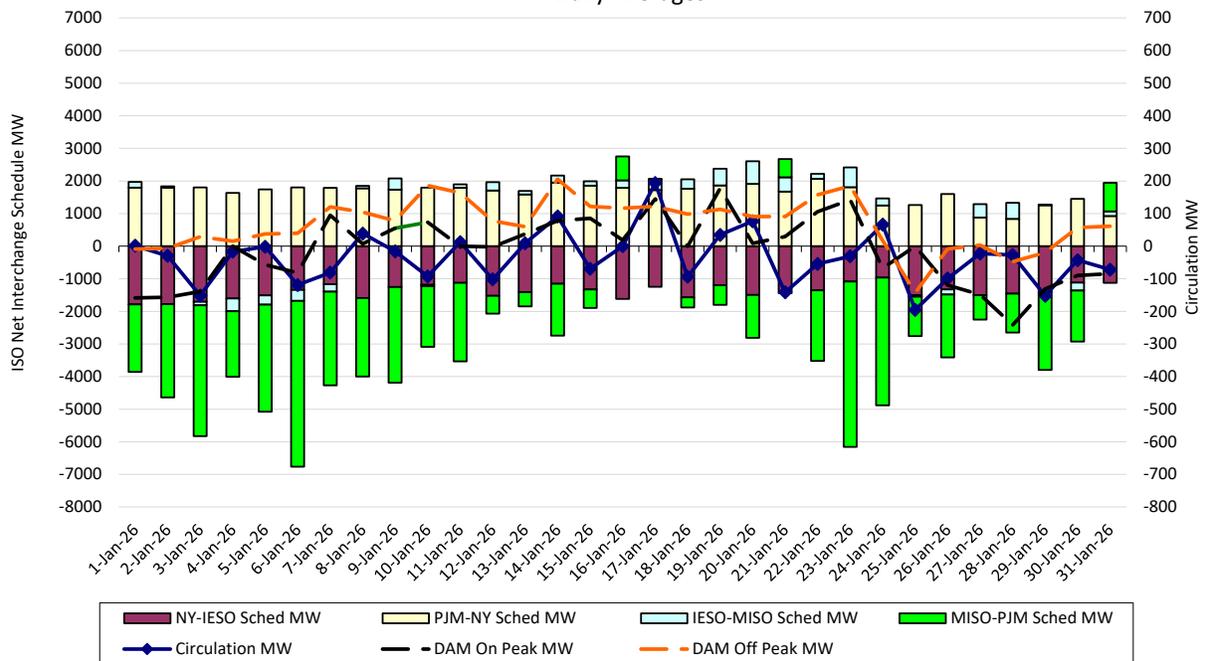


Lake Erie Circulation and ISO Net Interchange Schedules
Monthly Averages



Interchange schedules with positive values aggravate clockwise Lake Erie Circulation.

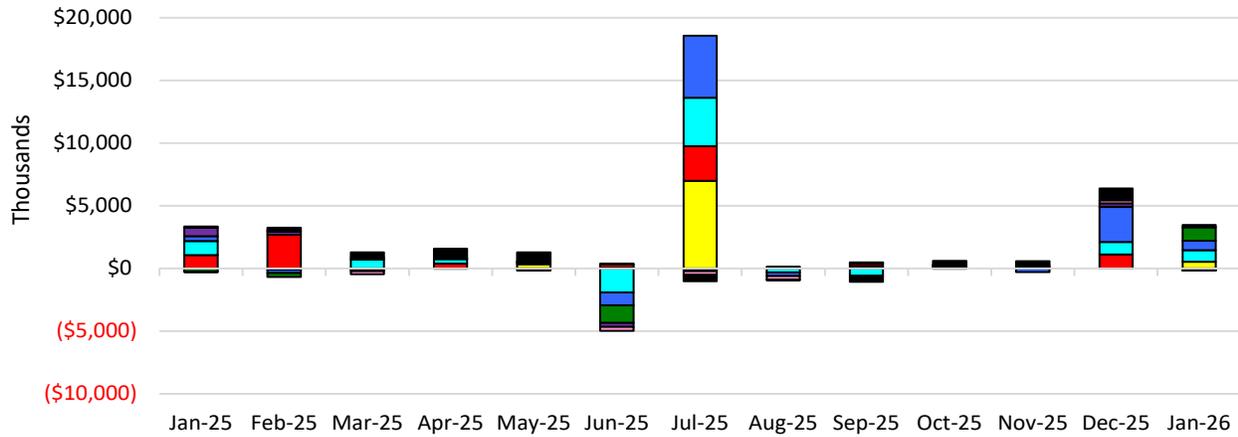
Lake Erie Circulation and ISO Net Interchange Schedules
Daily Averages



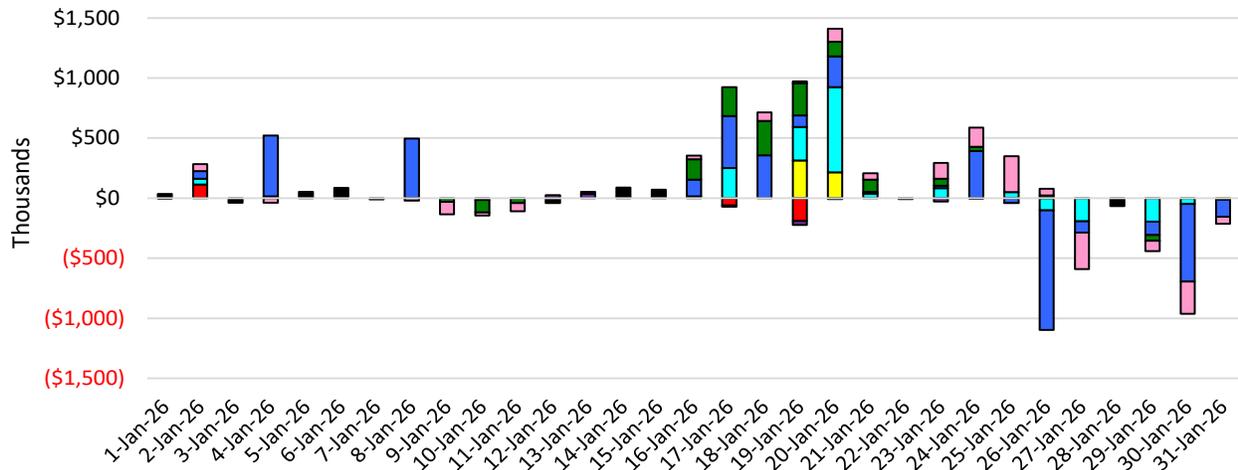
Interchange schedules with positive values aggravate clockwise Lake Erie Circulation.

Market Performance Metrics

Balancing Market Congestion Residual Monthly Uplift Cost Categories



Daily Uplift Cost Categories

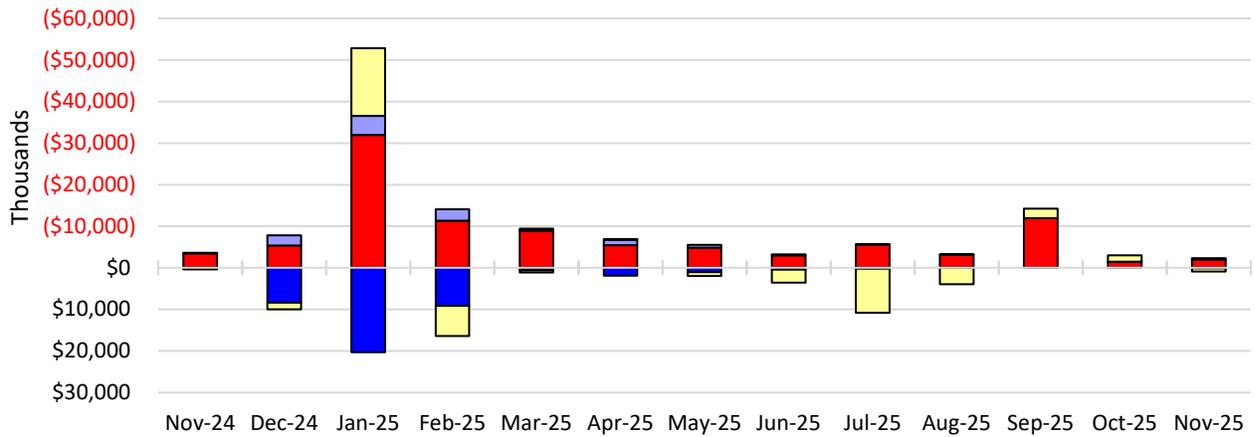


Real-Time Balancing Market Congestion Residual Categories			
Category	Cost Assignment	Events Types	Event Examples
Storm Watch	Zone J	Thunderstorm Alert (TSA)	TSA Activations
Transmission Outage Mismatch	Market-wide	Changes in DAM to RTM transfers related to transmission outage mismatch	Forced Line Outages, Unit AVR Outages, Early Line Return from Outage
Interface/Facility Rerate - NYISO Security	Market-wide	Changes in DAM to RTM transfers not related to transmission outage	Interface/Facility Rerates due to RTM voltages
Interface Rerate - External Security	Market-wide	Changes in DAM to RTM transfers related to External Central Area Security Events	TLR Events, External Transaction Curtailments
Unscheduled Loop Flows	Market-wide	Changes in DAM to RTM unscheduled loop flows impacting NYISO Interface transmission constraints	DAM to RTM Lake Erie Loop Flow exceeding +/-125MW
M2M Settlement	Market-wide	Settlement result inclusive of coordinated redispatch and Ramapo flowgates	
Cost Not Categorized	Market-wide		
Not Investigated	Market-wide		

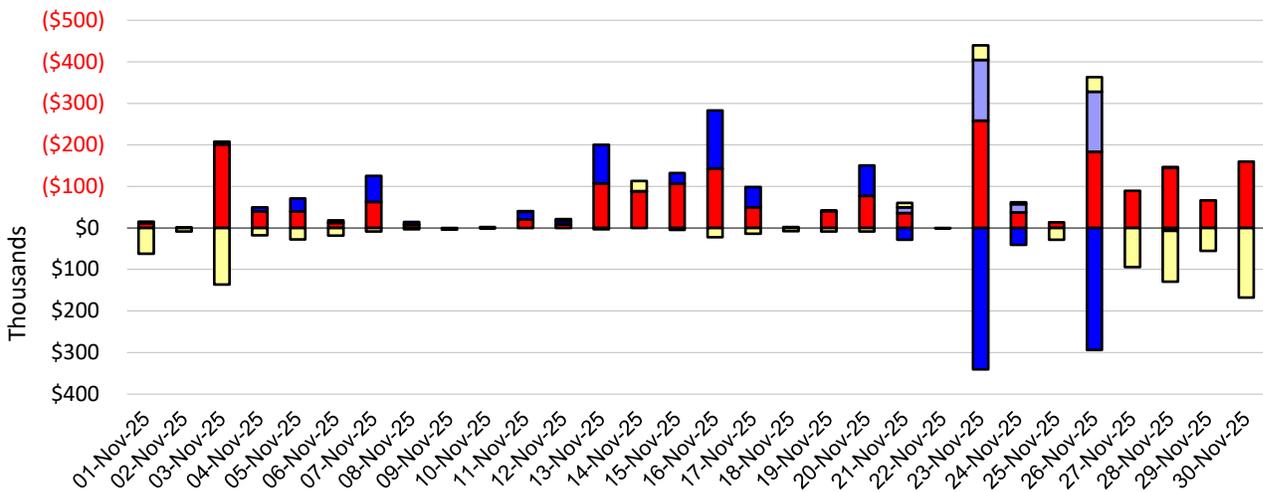
Monthly Balancing Market Congestion Report Assumptions/Notes
1) Storm Watch Costs are identified as daily total uplift costs
2) Days with a value of BMCR less M2M Settlement of \$100K/HR, shortfall of \$200K/Day or more, or surplus of \$100K/Day or more are investigated.
3) Uplift costs associated with multiple event types are apportioned equally by hour

Day's investigated in January:		
Event	Description	January Dates
	Thunder Storm Alert, Goethals - Linden 230kV (#A2253)	19,20
	Early Return to Service East-Towanda-Hillside 230kV (#70)	17
	Early Return to Service Scriba-Volney 345kV (#20)	10
	Early Return to Service Watercure-Oakdale 230kV (#71)	17
	Early Return to Service Watercure-Oakdale 345kV (#31)	19
	Forced Outage Northport-Pilgrim 138kV (#677)	2
	Forced Outage West 49th St-East 13th St 345kV (#M55)	4
	NYCA Active DNI Ramp Limit	2, 16, 17, 19-21, 23-27, 29-31
	Derate Central East - VC	19
	Derate Chemung-North Waverly 115kV (#962) I/o SCB:OAKDALE(31/B322):31&BK3	23
	Derate Chemung-North Waverly 115kV (#962) I/o WATRCURE-OAKDALE 345 31	16
	Derate Coddington Rd-Montour Falls 115kV (#982) I/o WATRCURE-OAKDALE 345 31	19,20
	Derate E 179th St-Sherman Creek 138kV (#15031)	19,20
	Derate Foxhills - Greenwood 138kV (#29231) I/o SCB:GOETH(9):G23L&26&R26	19,20
	Derate Foxhills - Greenwood 138kV (#29232) I/o GREENWD -FOXHILLS 138 29231	19,20
	Derate Foxhills - Greenwood 138kV (#29232) I/o SCB:GOETH(9):G23L&26&R26	19,20
	Derate Goethals-Gowanus 345kV (#25)	2
	Derate Goethals-Gowanus 345kV (#25) I/o SCB:GOETH(8):G23M&26&R26	19-21
	Derate Greenlawn-Syosset 138kV (#676) I/o NRTHPORT-ELWOOD 138 681	25,27
	Derate Greenwood-Venon 138kV (#31231)	19,20
	Derate Greenwood-Venon 138kV (#31231) I/o SCB:FRESHKIL(3):21&AK3	19
	Derate Meyer 230kV/1kV (#BK4P) I/o SCB:STONYRDG(72/B102)72&BK1	19,20
	Derate Meyer 230kV/1kV (#BK4P) I/o SIN:CANANDGA-STONYRGE 230 68	19,20
	Derate Niagara 115kV/230kV (#AT1)	19,20
	Derate Scriba - Volney 345kV (#20) I/o SCB:SCRIBA(R935):21&FS-10	19,20
	Derate Scriba - Volney 345kV (#20) I/o SCRIBA -VOLNEY 345 21	19
	Uprate Foxhills-Willowbrook 138kV (#29212) I/o SCB:GOWANUS(2):41&42231&R4	2
	Uprate Sherman Creek-Dunwoodie 138kV (#99031)	19
	HQ_CHAT - NY Scheduling Limit	17,20,27
	HQ_CHAT Active DNI Ramp Limit	27,29
	IESO_AC Active DNI Ramp Limit	17-19,24,26,30
	NE_AC - NY Scheduling Limit	8, 17, 23, 24, 26, 27, 29-31
	NE_AC Active DNI Ramp Limit	2, 8, 17-26, 29, 30
	NE_NNC1385 - NY Scheduling Limit	8, 24, 31
	PJM_AC - NY Scheduling Limit	2, 4, 16, 16-21, 23-26, 29, 30
	PJM_AC Active DNI Ramp Limit	19-21, 23-26, 29-31
	Lake Erie Circulation, DAM-RTM exceeds ±125MW; Central	9-11, 16-21, 23-26, 29
	Lake Erie Circulation, DAM-RTM exceeds ±125MW; Central East	23
	Lake Erie Circulation, DAM-RTM exceeds ±125MW; West	9, 11, 17, 20, 21, 23, 29

DAM Congestion Residual Monthly Cost Categories

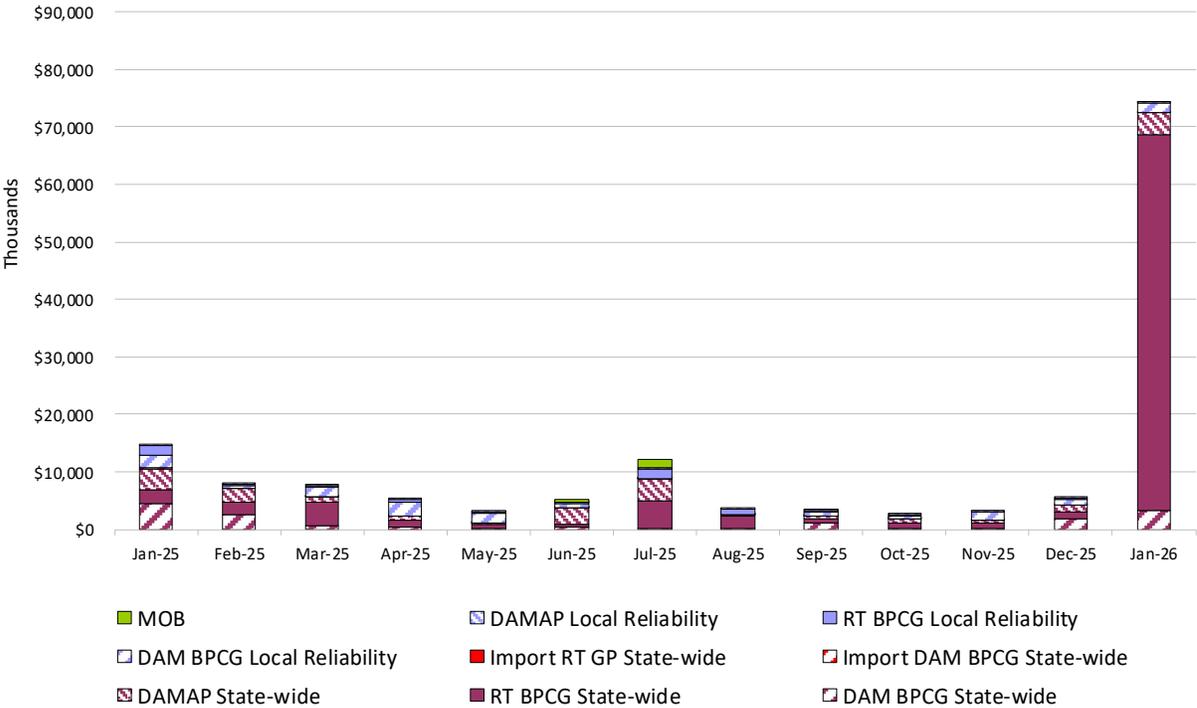


Daily Cost Categories

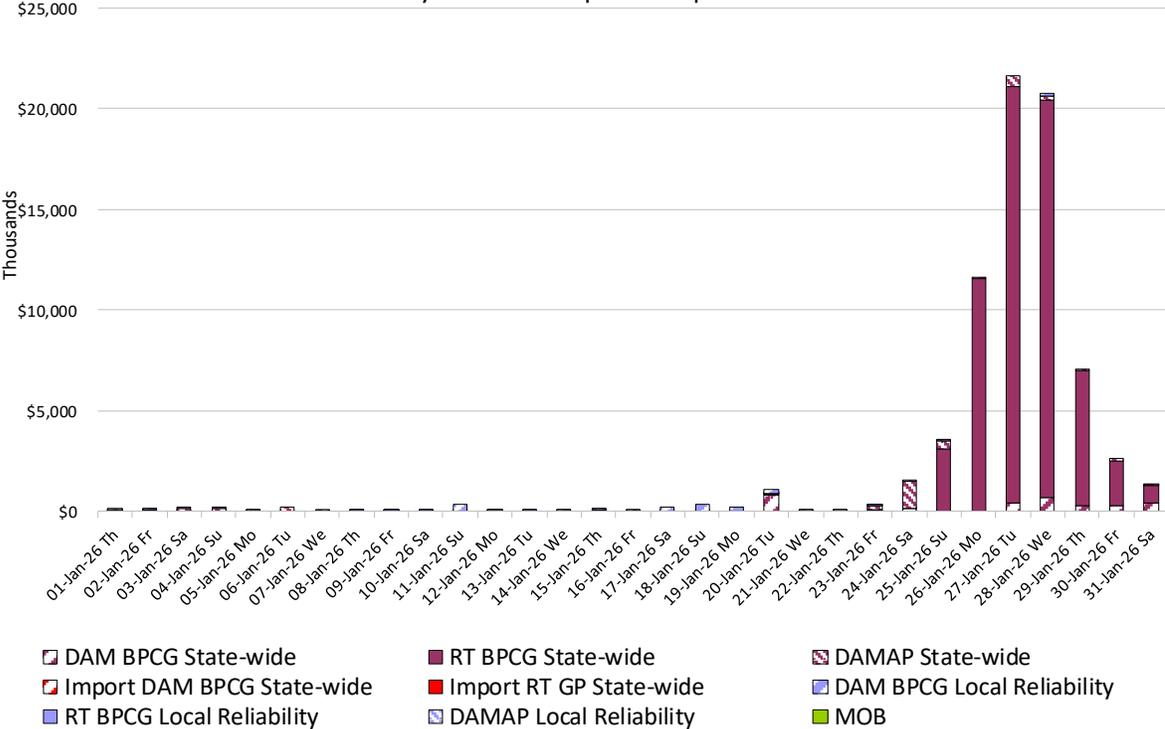


DAM Congestion Residual Categories			
<u>Category</u>	<u>Cost Assignment</u>	<u>Events Types</u>	<u>Event Examples</u>
NYTO Outage Allocation	Responsible TO	Direct allocation to NYTO's responsible for transmission equipment status change.	DAM scheduled outage for equipment modeled in-service for the TCC Auction.
Incremental TCC/External Outage Impacts	All TO by Monthly Allocation Factor	Allocation associated with transmission equipment status change caused by change in status of external equipment or change in status of equipment associated with Incremental TCC.	Tie line required out-of-service by TO of neighboring control area.
Central East Commitment Rerate	All TO by Monthly Allocation Factor	Changes in the DAM Central East_VC limit as compared to the TCC Auction limit, which are not associated with transmission line outages.	
Cost Not Categorized	All TO by Monthly Allocation Factor		

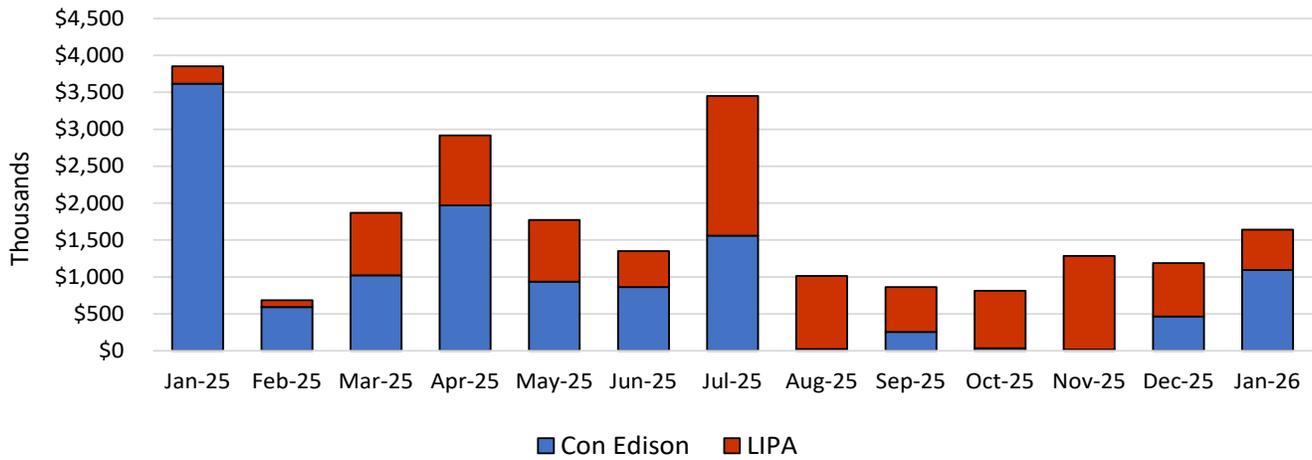
Monthly Power Supplier Uplift Components



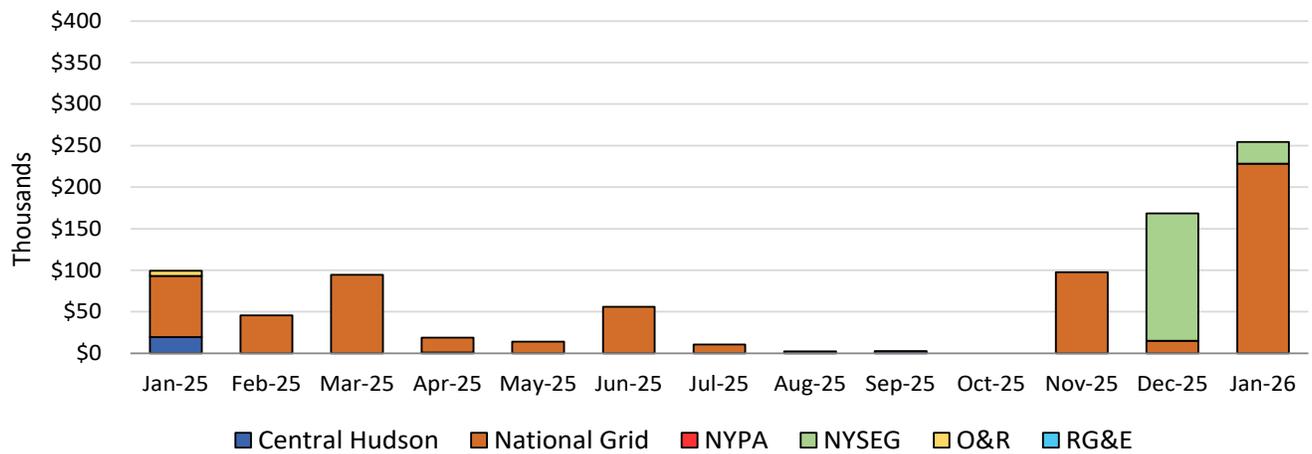
January 2026
Daily NYCA Unit Uplift Components



Local Reliability Cost - NYC & LONGIL Monthly RT BPCG, DAM BPCG, DAMAP & Minimum Oil Burn Costs



Local Reliability Cost - Rest of State Monthly RT BPCG, DAM BPCG & DAMAP Costs

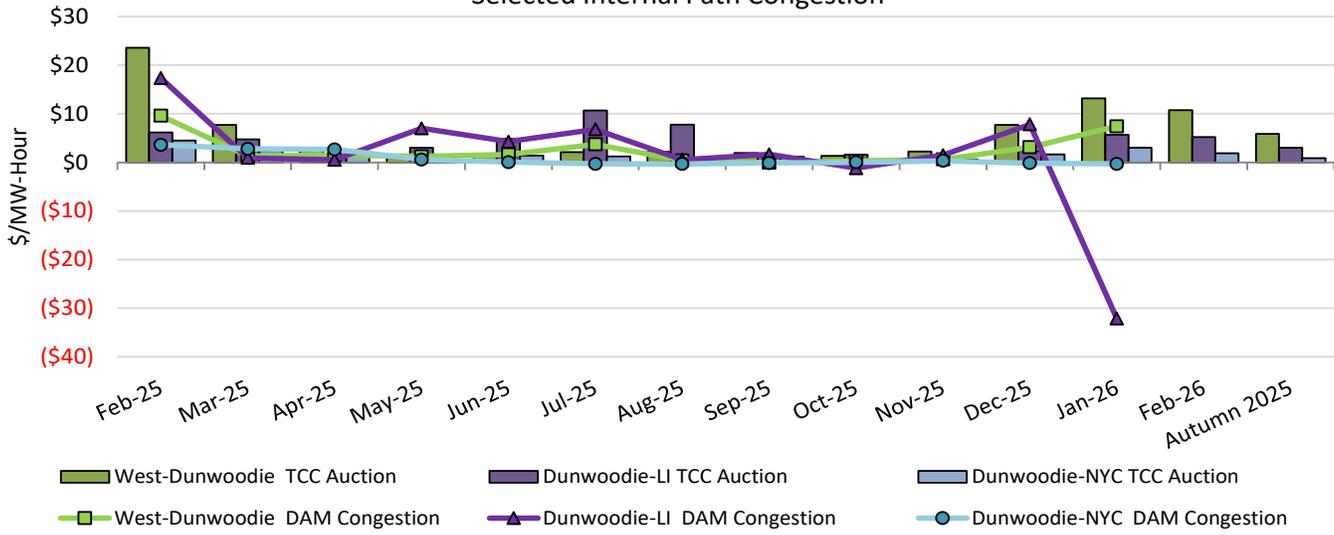


Local Reliability Commitments January 2026 DARU & SRE Hours

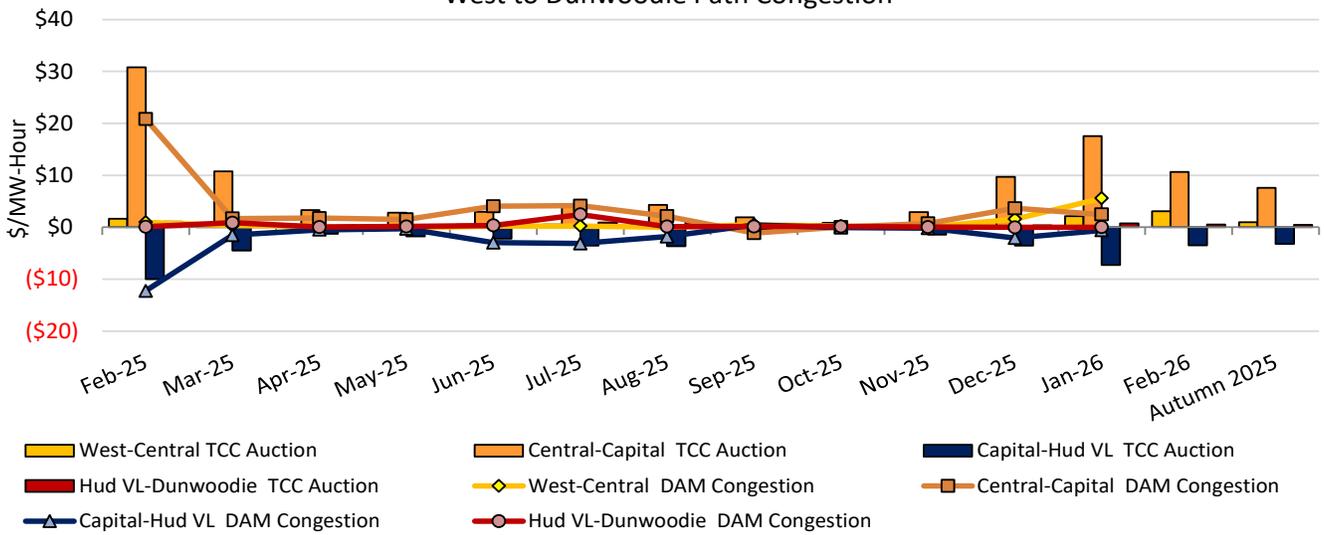


TCC Monthly Reconfiguration Auction vs. Monthly DAM Average with Autumn 2025 Centralized TCC Auction Six-Month Average

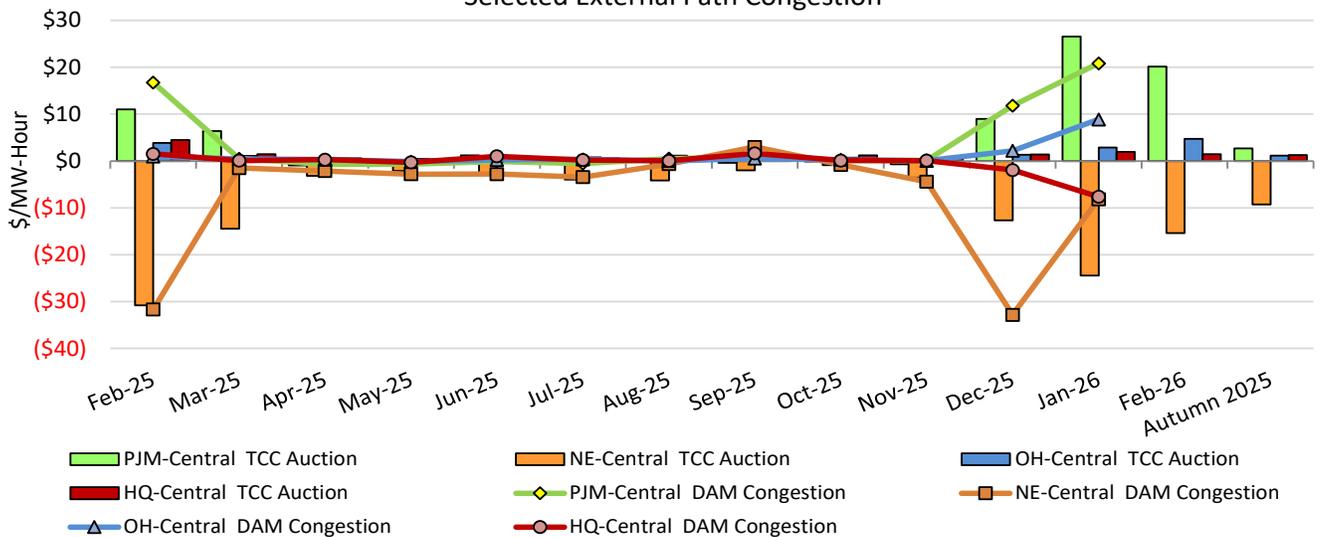
Selected Internal Path Congestion

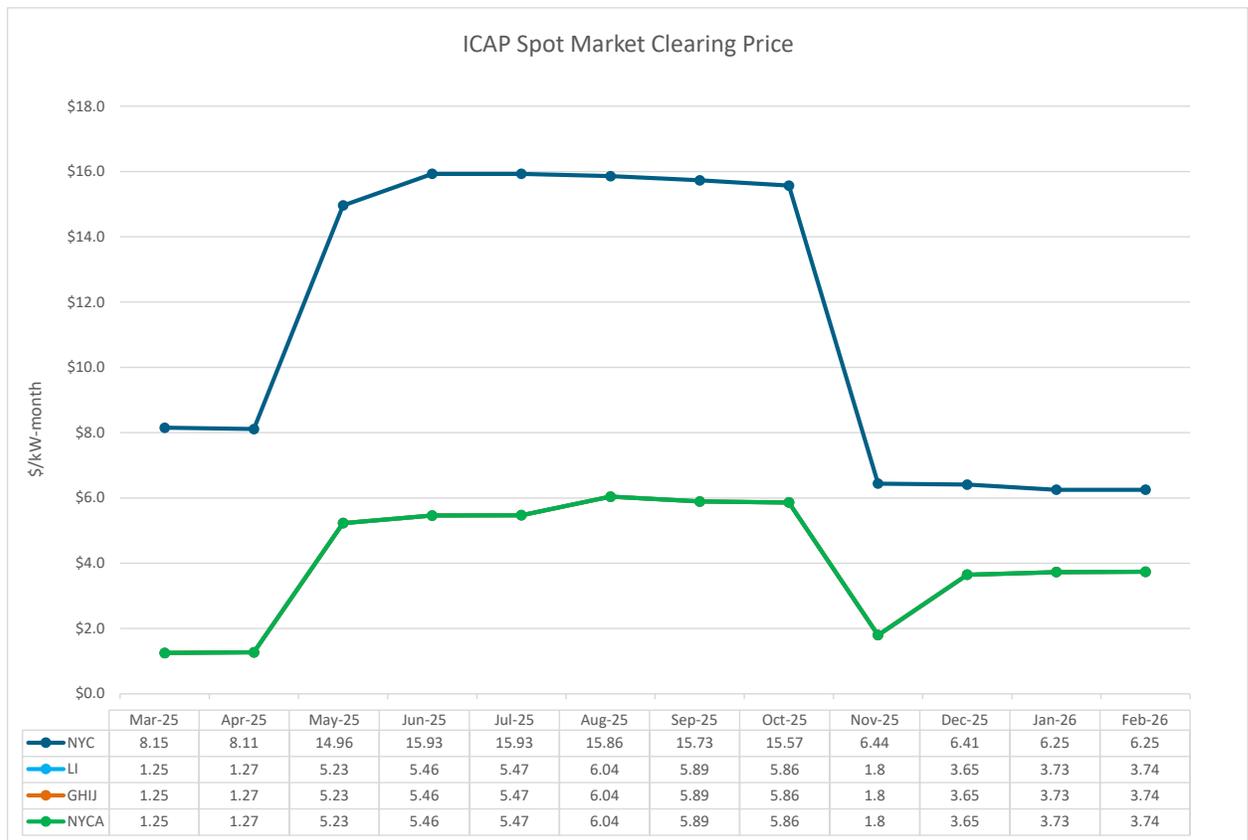


West to Dunwoodie Path Congestion



Selected External Path Congestion





Price Change Summary:

There were no significant changes compared to the previous month.

Appendix A – Metric Definitions

- **Alert State:** The number of Alert State declarations reflect system operating conditions beyond thresholds associated with Normal and Warning States. Declaration of the Alert State allows the NYISO to take corrective actions not available in the Normal and Warning States.
- **Average Hourly Error %:** Average value of the ratio of hourly average error magnitude to hourly average actual load demand.
- **Capacity Factor:** The ratio of actual energy produced to the maximum energy that could have produced if operating at full capacity continuously during the same period.
- **Curtailed Energy:** Difference between real-time wind/FTM solar forecast and economic wind/FTM solar output limit.
- **Curtailed Energy %:** The ratio of curtailed energy to total energy production.
- **Day-Ahead Average Hourly Error %:** Average across all hours of the month of the absolute value of the difference between actual load demand and the Day-Ahead forecast load demand, divided by the actual load demand.
- **Day-Ahead Bias:** Avg (actual generation – Day-Ahead forecast generation) / capacity
- **Day-Ahead MAE Forecast Error:** Avg |actual generation – Day-Ahead forecast generation| / Capacity
- **Day-Ahead Market Capacity Unavailable:** Unavailable capacity is calculated as the difference of Day-Ahead Market capacity including SRE relative to the real-time (RT) capacity during RT peak load hour.
- **Disturbance Control Standard Event Time:** For NYISO initiated NERC Reportable Disturbances, the maximum ACE recovery time is identified. Recovery times less than 15 minutes are considered NERC compliant.
- **Hour-Ahead Bias:** Avg (actual generation – Hour-Ahead forecast generation) / capacity
- **Hour-Ahead MAE Forecast Error:** Avg |actual generation – Hour-Ahead forecast generation| / Capacity
- **Hour-Ahead MAE Persistence Error:** Avg |actual generation – Hour-Ahead actual generation| / Capacity
- **Hourly Error MW:** Value of the difference between the hourly average actual load demand and the average hour ahead forecast load demand.
- **Major Emergency:** The number of Major Emergency State declarations reflect system operating conditions beyond thresholds associated with the Alert State. Declaration of the Major Emergency State allows the NYISO to take additional corrective actions not available in the Alert State.
- **NERC Balancing Authority ACE Limit Standard:** The amount of time the clock-minute average ACE exceeds the clock-minute Balancing Authority ACE Limit (BAAL) is an indicator of the NYISO Area resource and demand balancing. The maximum BAAL exceedance time is identified. BAAL exceedances of less than 30 consecutive clock-minutes are NERC compliant.
- **NERC Control Performance Standard:** The value of NERC Control Performance Standard 1 (CPS-1) is an indicator of the NYISO Area resource and demand balancing. CPS-1 values greater than 100% are considered NERC compliant.
- **NERC IROL Time Over Limit:** For IROL exceedances leading to Major Emergency State declarations, the maximum IROL exceedance time is identified. IROL exceedances of less than thirty minutes are considered NERC compliant.
- **NERC Transmission Loading Relief (TLR):** Value represents the number of hours in which the NYISO requested TLR level 3 curtailments to provide transmission constraint relief.
- **Net Load:** Defined as Gross load less wind and solar generation.
- **Net Load Ramp:** Average value of the difference in load demand between the previous and current hour. Wind and solar ramps are negated to indicate their impact on Net load ramp.
- **Reserve Activation:** NYISO Reserve Activations are indicators of the need to respond to unexpected operational conditions within the NYISO Area or to assist a neighboring Area (Simultaneous Activation of Reserves) by activating an immediate resource and demand balancing operation.
- **Thunderstorm Alert (TSA):** TSA is declared by NYISO when severe operating conditions are detected. A predetermined set of pre-and post-contingency constraints are passed to the RTC and RTD programs while TSA is in effect. Value represents number of hours TSA was active.
- **13 Month Trailing Avg Carbon Emissions Free %:** Sum of internal NYCA generation from Nuclear, Hydro, Wind, Solar resources divided by Gross Load. Gross load is defined as metered load plus BTM solar estimated actuals.
- **13 Month Trailing Avg Renewables %:** Sum of internal NYCA generation from Hydro, Wind, Solar resources divided by Gross Load. Gross load is defined as metered load plus BTM solar estimated actuals.

Appendix B – NYISO Information Resources

- [Annual Renewable Energy Performance Metrics](#)
- [Demand Response - NYISO](#)
- [Energy Market & Operational Data](#)
- [FERC Order 844 Zonal and Resource Specific Uplift Reports](#)
- [Installed Capacity Market Data](#)
- [Load & Capacity Data Report \(Gold Book\)](#)
- [Operating Committee - NYISO](#)
- [Systems Operations Advisory Subcommittee Report](#)
- [Transmission Congestion Contracts Market Data](#)