Operations Performance Metrics Monthly Report




February 2025 Report

Operations & Reliability Department
New York Independent System Operator

Prepared by NYISO Operations Analysis and Services, based on settlements initial invoice data collected on or before March 10, 2025.

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February 2025 Operations Performance Highlights

Monthly Peak Load	Monthly Minimum Load	Winter 2024-2025 Peak	All-time Winter Peak
02/18/2025 HB 18 22,651 MW	02/27/2025 HB 02 14,401 MW	01/22/2025 HB 18 23,521 MW	01/07/2014 HB 18 25,738 MW

- 0.0 hours of Thunderstorm Alerts were declared
- 0.0 hours of NERC TLR level 3 curtailment
- Forced transmission outages in Zone J Greenwood/Staten Island load pocket resulted in increased uplift costs and local demand response actions.
- Revised Oswego Export Stability Limits due to topology changes associated with AC Transmission Public Policy Segment A buildout and Marcy South Series Compensation Path were employed in EMS/BMS. The limits were presented and approved for use at the December 2024 Operating Committee.

Installed Wind, Solar and Energy Storage Resource Nameplate Values:

Land-Based Wind	Offshore Wind	Behind-the-Meter Solar	Front-of-the-Meter Solar	Energy Storage Resource (ESR)
2,736 MW	136 MW	6,168 MW	571 MW	105 MW

Estimated production cost savings associated with the Broader Regional Market initiatives:

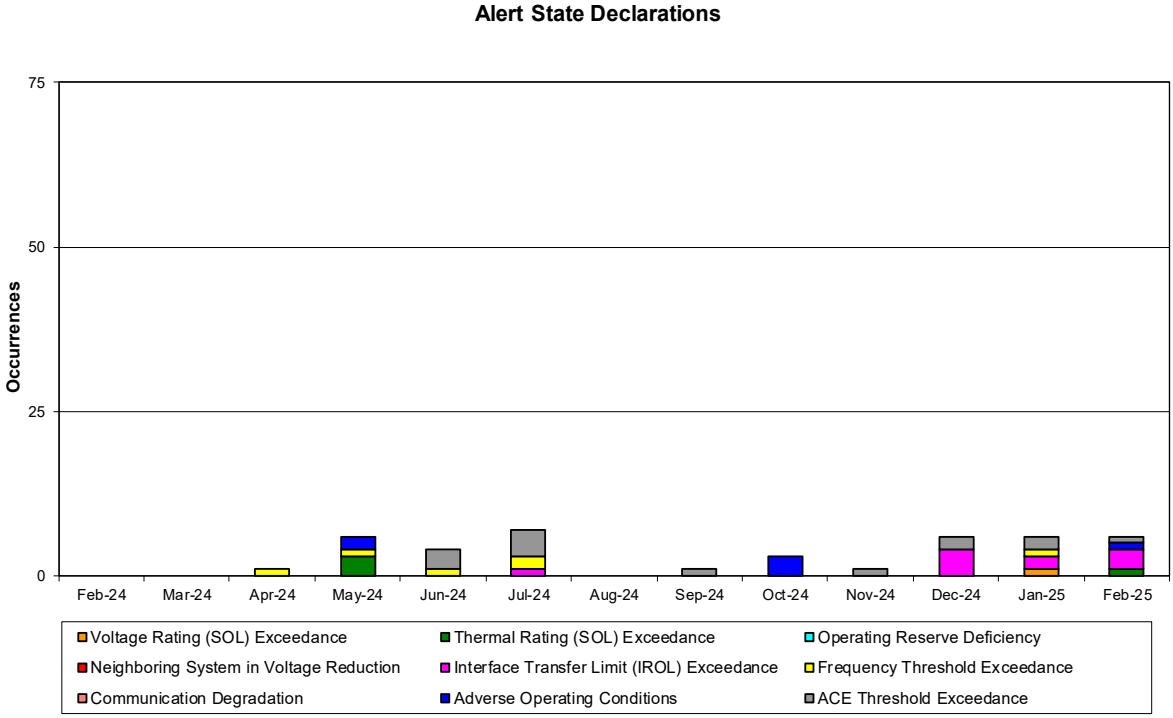
	Current Month Value ($M)	**Year-to-Date Value ($M)**
NY Savings from PJM-NY Congestion Coordination	$0.30	$0.35
NY Savings from PJM-NY Coordinated Transaction Scheduling	$0.90	$2.00
NY Savings from NE-NY Coordinated Transaction Scheduling	$2.47	$6.70
Total NY Savings	$3.68	$9.05
Regional Savings from PJM-NY Coordinated Transaction Scheduling	$0.87	$2.08
Regional Savings from NE-NY Coordinated Transaction Scheduling	$0.13	$0.48
Total Regional Savings	$1.00	$2.56

- Statewide uplift cost monthly average was ($0.86)/MWh.
- The following table identifies the Monthly ICAP spot market prices and the price delta.

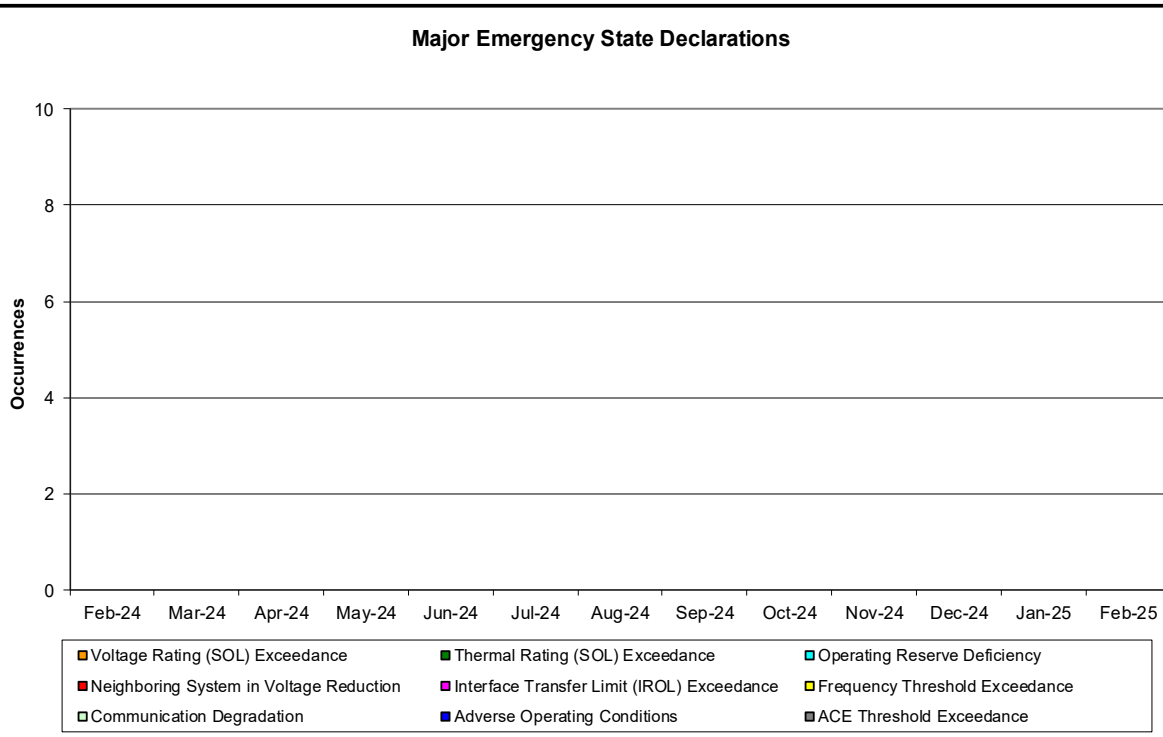
Spot Auction Price Results	NYCA	Lower Hudson Valley Zones	New York City Zone	Long Island Zone
March 2025 Spot Price	$1.25	$1.25	$8.15	$1.25
February 2025 Spot Price	$3.09	$3.09	$8.12	$3.09
Delta	($1.84)	($1.84)	$0.03	($1.84)

- Price change in NYCA was driven by a significant increase in Imports.

Reliability Performance Metrics

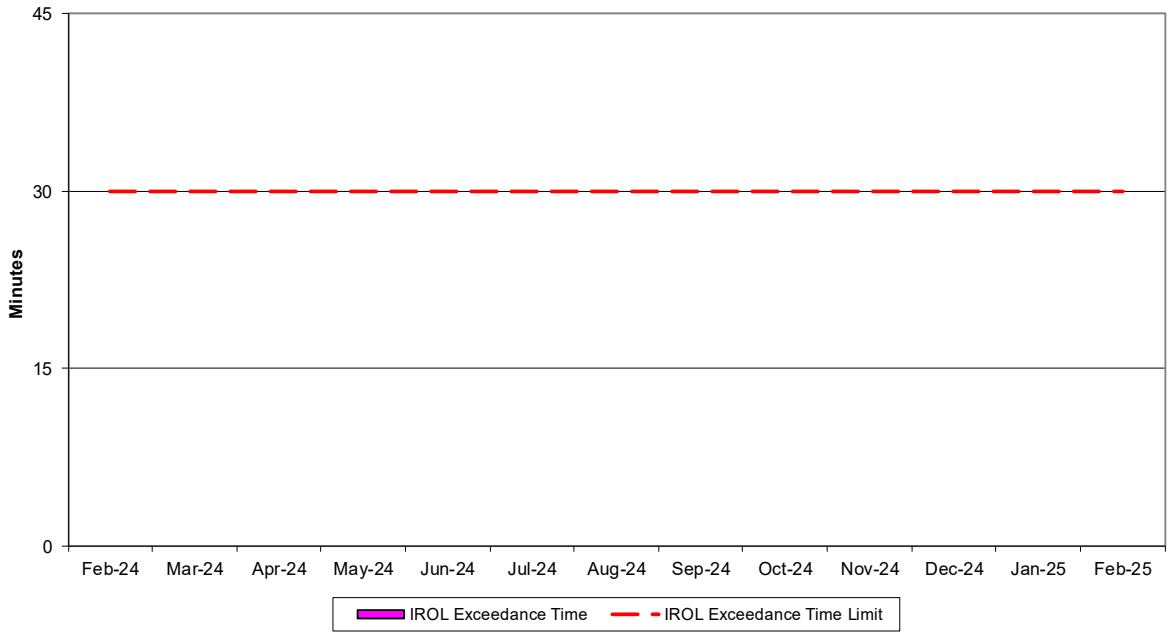


The number and causes of Alert State declarations reflect system operating conditions beyond thresholds associated with Normal and Warning States. Declaration of the Alert State allows the NYISO to take corrective actions not available in the Normal and Warning States.



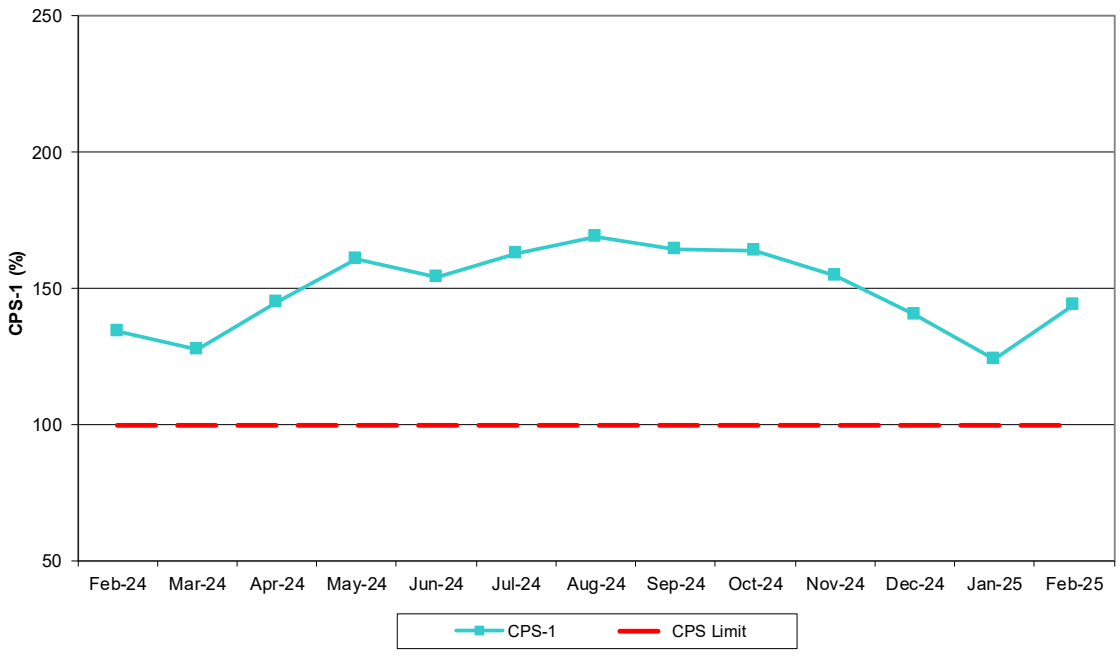
The number and causes of Major Emergency State declarations reflect system operating conditions beyond thresholds associated with the Alert State. Declaration of the Major Emergency State allows the NYISO to take additional corrective actions not available in the Alert State.

NERC IROL Time Over Limit



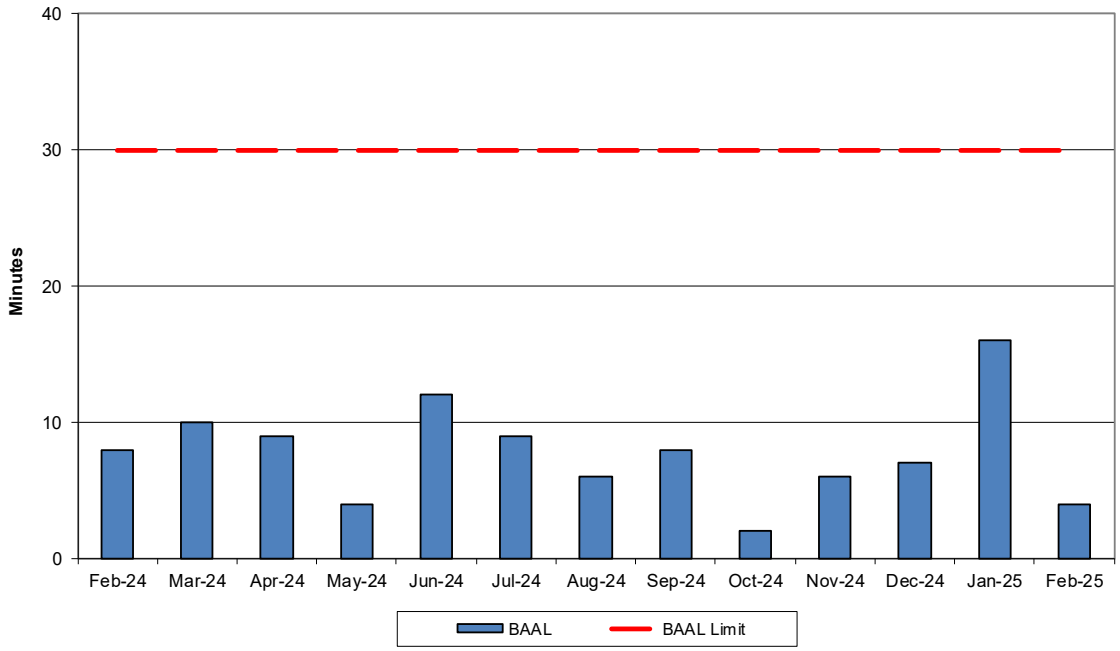
For IROL exceedances leading to Major Emergency State declarations, the maximum IROL exceedence time is identified. IROL exceedances of less than thirty minutes are considered NERC compliant.

NERC Control Performance Standards



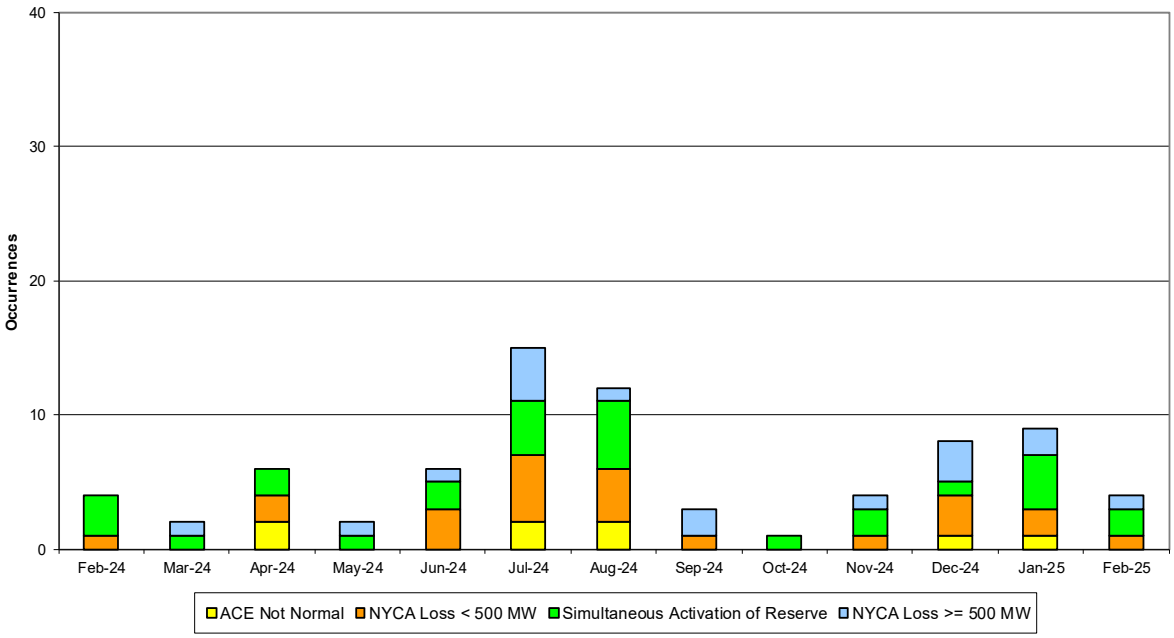
The value of NERC Control Performance Standards (CPS-1) is an indicator of the NYISO Area resource and demand balancing. Values exceeding the identified threshold are NERC compliant.

NERC Balancing Authority ACE Limit Standard



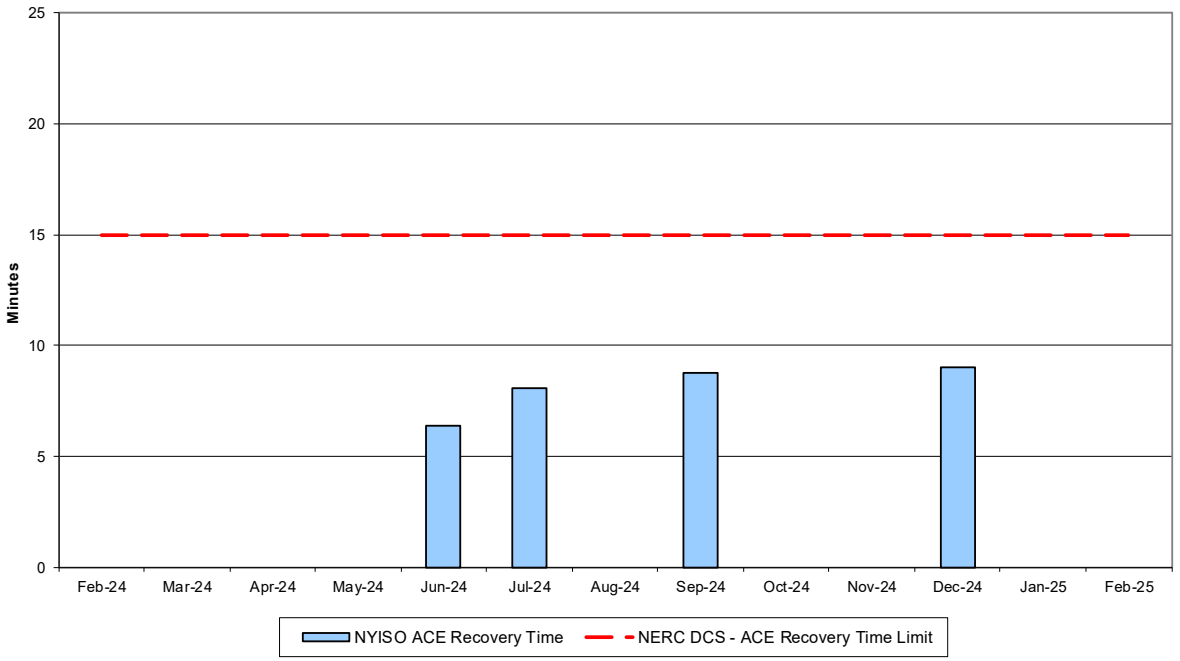
The amount of time the clock-minute average ACE exceeds the clock-minute Balancing Authority ACE Limit (BAAL) is an indicator of the NYISO Area resource and demand balancing. The maximum BAAL exceedance time is identified. BAAL exceedances of less than 30 consecutive clock-minutes are NERC compliant.

Reserve Activations



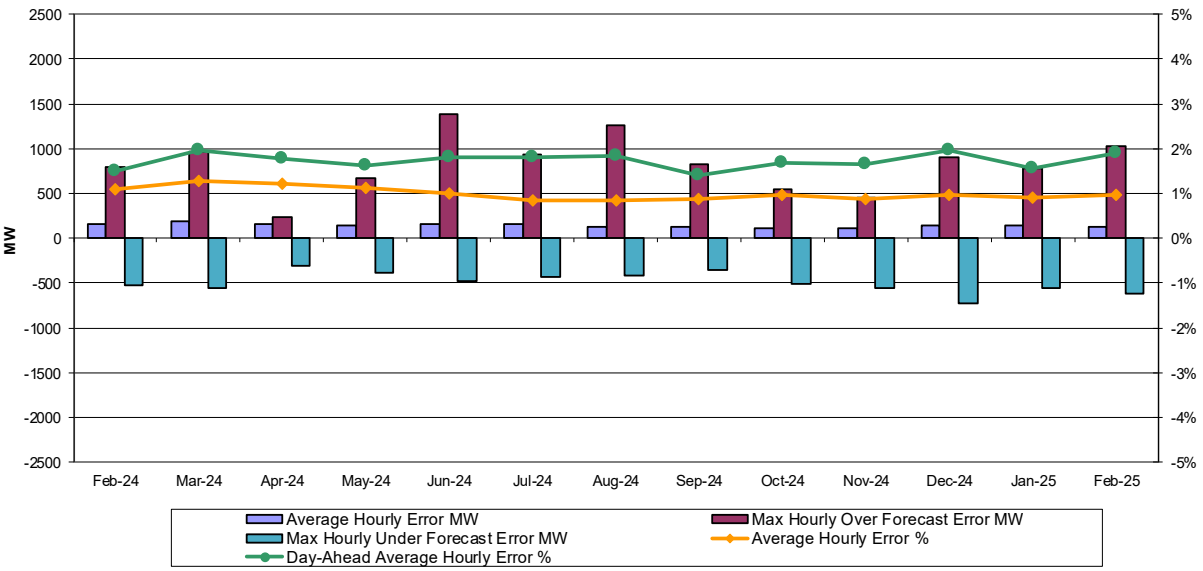
NYISO Reserve Activations are indicators of the need to respond to unexpected operational conditions within the NYISO Area or to assist a neighboring Area (Simultaneous Activation of Reserves) by activating an immediate resource and demand balancing operation.

DCS Event Time to ACE Recovery

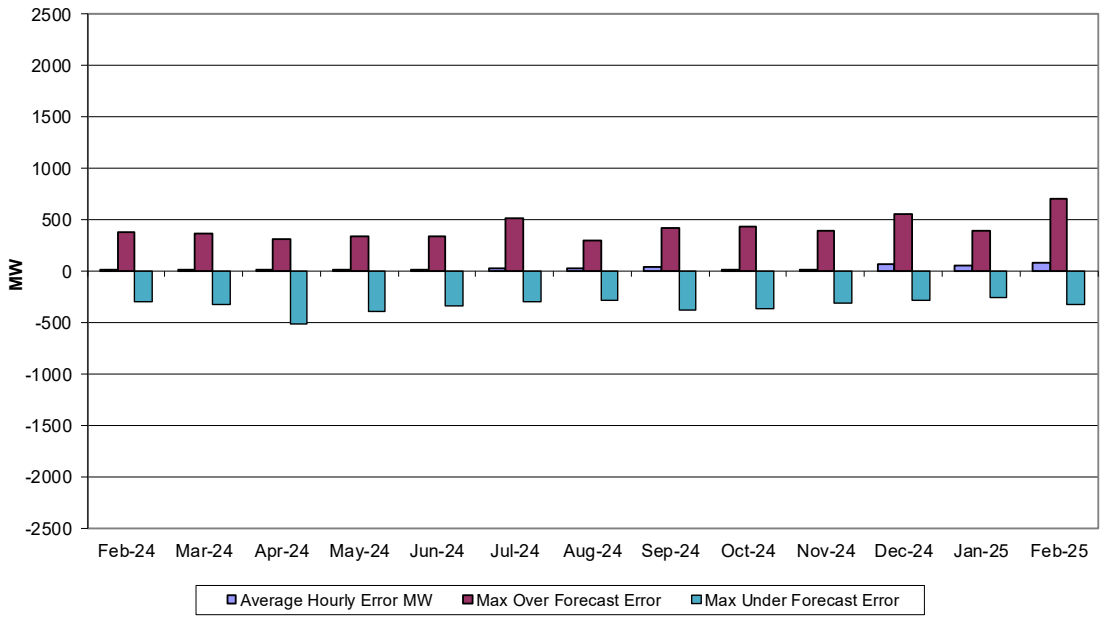


For NYISO initiated NERC Reportable Disturbances, the maximum ACE recovery time is identified. Recovery times of less than 15 minutes are considered NERC compliant.

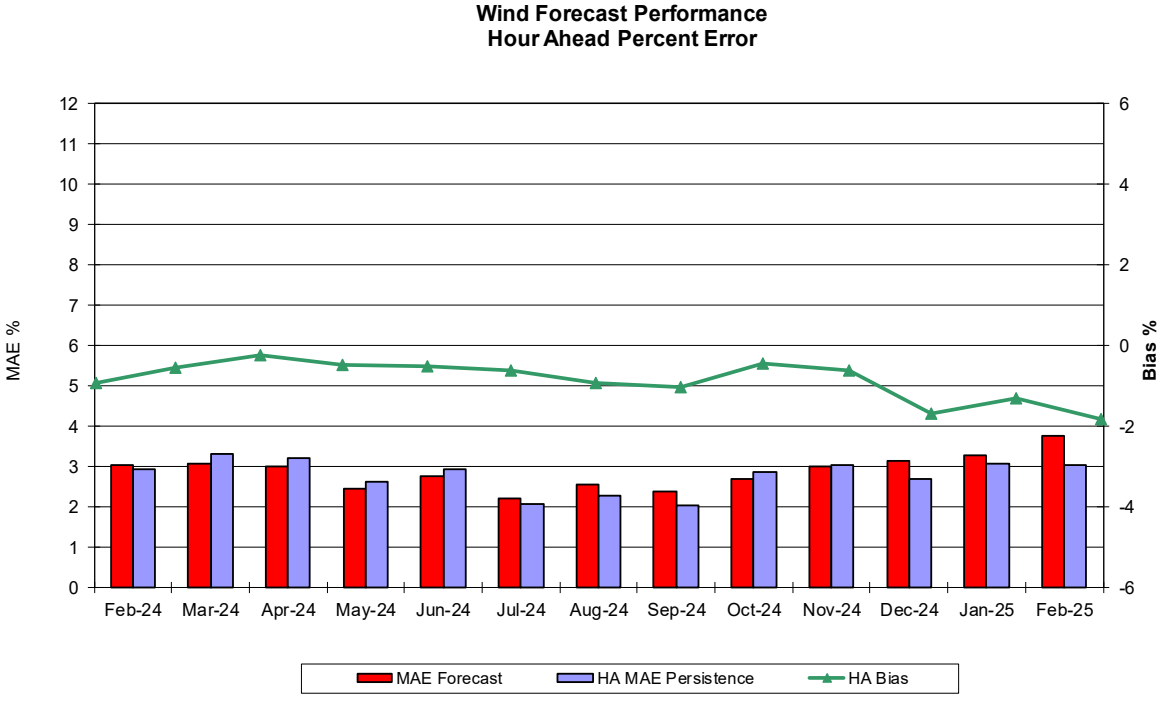
Load Forecast Performance



Hourly Error MW - Value of the difference between the hourly average actual load demand and the average hour ahead forecast load demand.
Average Hourly Error % - Average value of the ratio of hourly average error magnitude to hourly average actual load demand.
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.

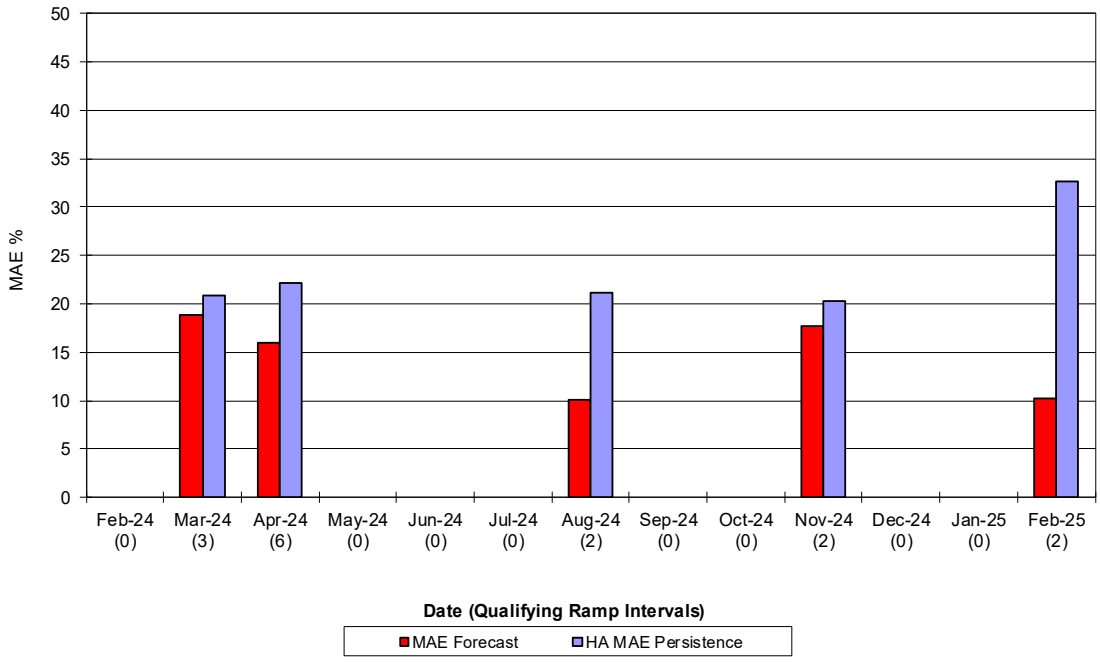


Hourly Error MW - Value of the difference between the hourly average actual wind generation and the average hour ahead forecast wind generation.



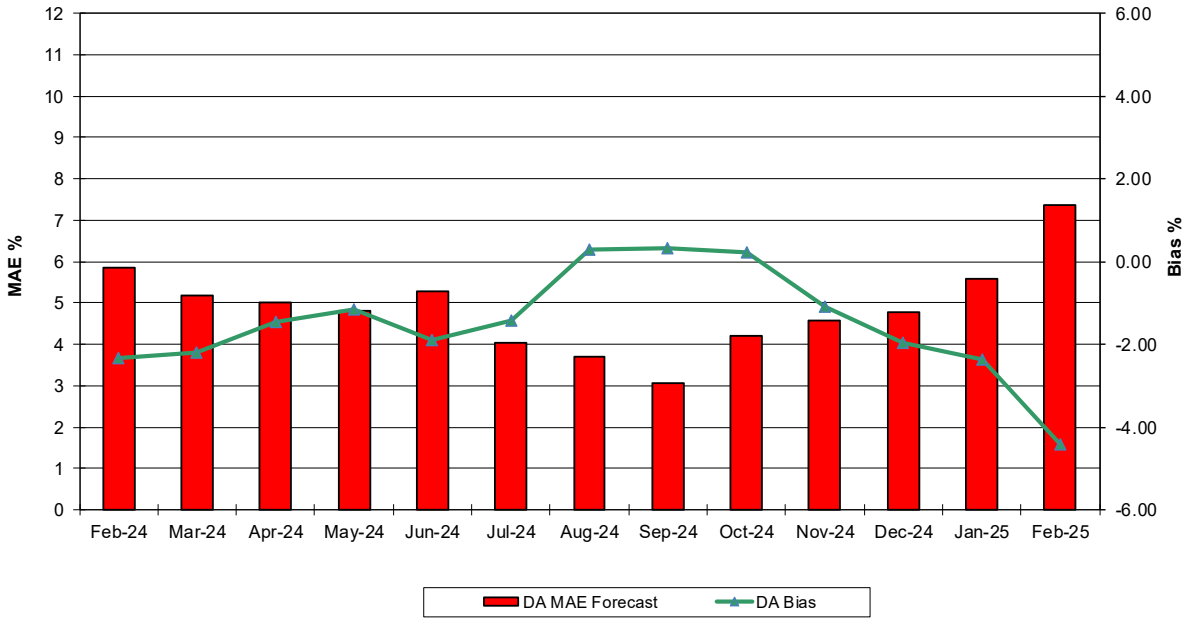
MAE Forecast - Avg |actual wind generation - hour ahead forecast wind generation| / Wind Capacity
MAE Persistence - Avg |actual wind generation - hour ahead actual wind generation| / Wind Capacity
Bias - Avg (actual wind generation - hour ahead forecast wind generation) / Wind Capacity

Wind Forecast Performance
Hour Ahead Mean Absolute Percent Error
Ramp Events - Hourly Changes That Exceed 20% of Wind Capacity on Dispatch



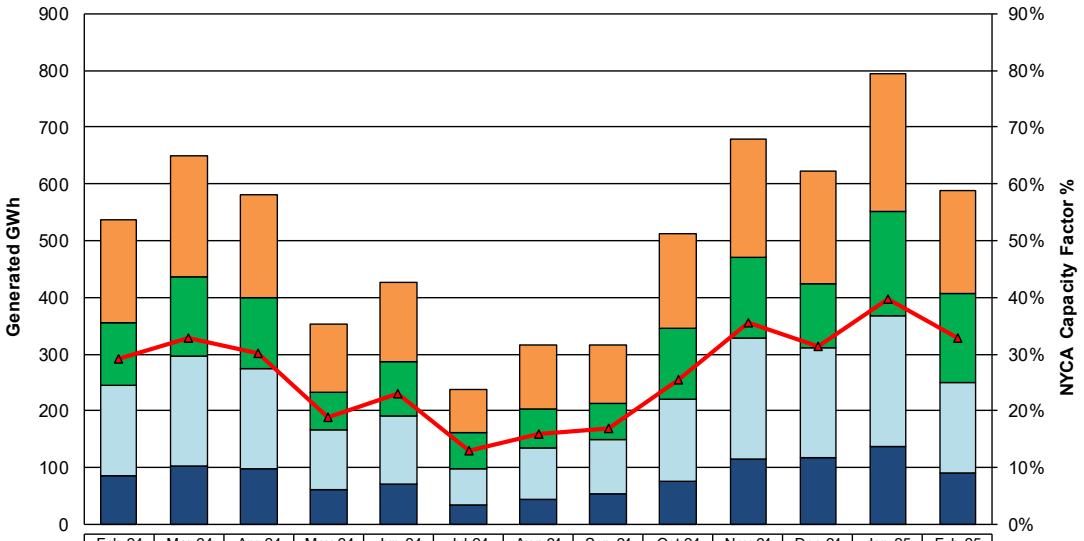
MAE Forecast - Avg |actual wind generation - hour ahead forecast wind generation| / Wind Capacity
MAE Persistence - Avg |actual wind generation - hour ahead actual wind generation| / Wind Capacity

Wind Forecast Performance
Day Ahead Absolute Percent Error



MAE Forecast - Avg |actual wind generation - Day Ahead forecast wind generation| / Wind Capacity
Bias - Avg (actual wind generation - Day Ahead forecast wind generation) / Wind Capacity

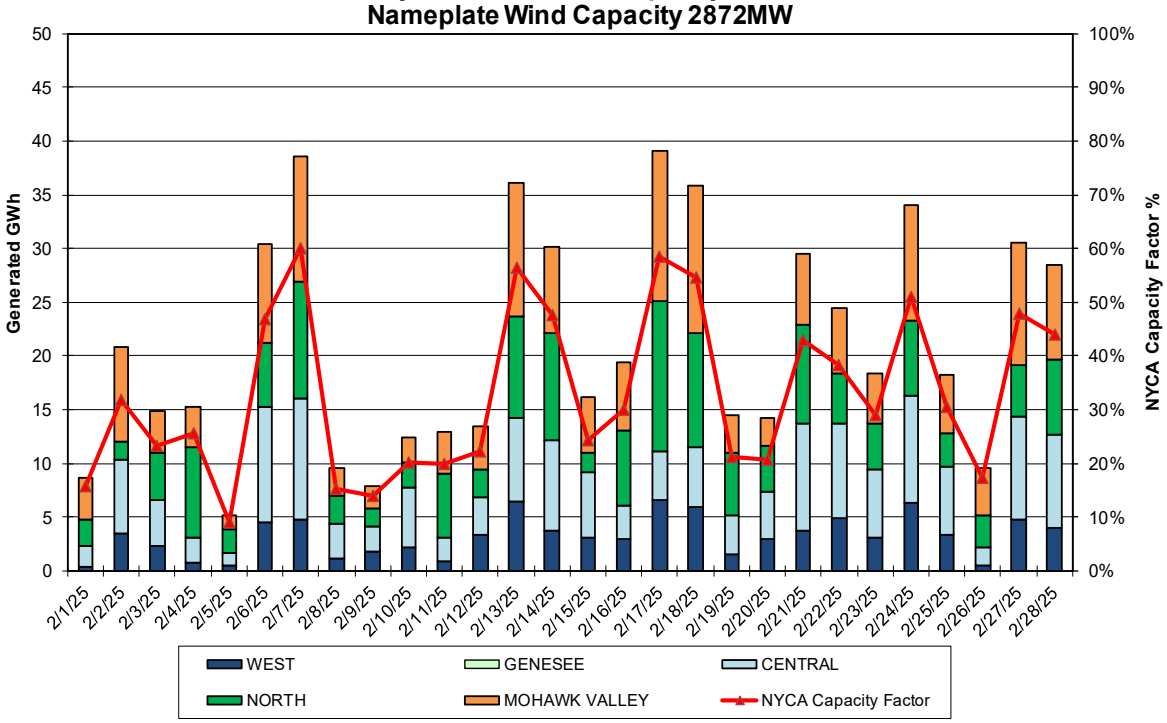
Wind Performance
Monthly Production and Capacity Factor
Nameplate Wind Capacity 2872MW



	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25
MOHAWK VALLEY	181.6	213.2	181.1	122.0	140.0	76.7	112.2	101.6	168.3	210.7	199.0	244.2	181.0
NORTH	110.2	138.7	124.0	64.5	94.2	63.7	68.5	64.3	123.7	142.1	111.5	183.9	156.9
CENTRAL	159.8	194.5	177.3	106.3	120.7	64.0	89.7	94.8	144.7	213.2	195.8	230.6	160.2
GENESEE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WEST	86.1	102.5	97.8	60.8	71.1	33.7	45.0	54.8	76.8	114.4	116.5	136.4	90.4
NYCA Capacity Factor	29%	33%	30%	19%	23%	13%	16%	17%	25%	35%	31%	40%	33%

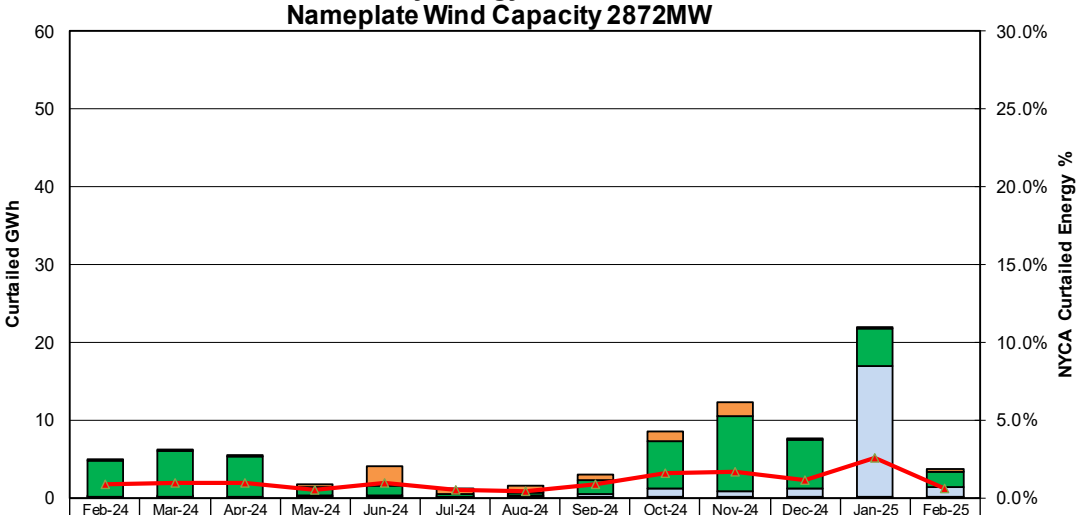
Capacity Factor - Total Monthly Generated MWh/Rated Nameplate Power Capacity

Wind Performance
Daily Production and Capacity Factor
Nameplate Wind Capacity 2872MW



Capacity Factor - Total Daily Generated MWh/Rated Nameplate Power Capacity

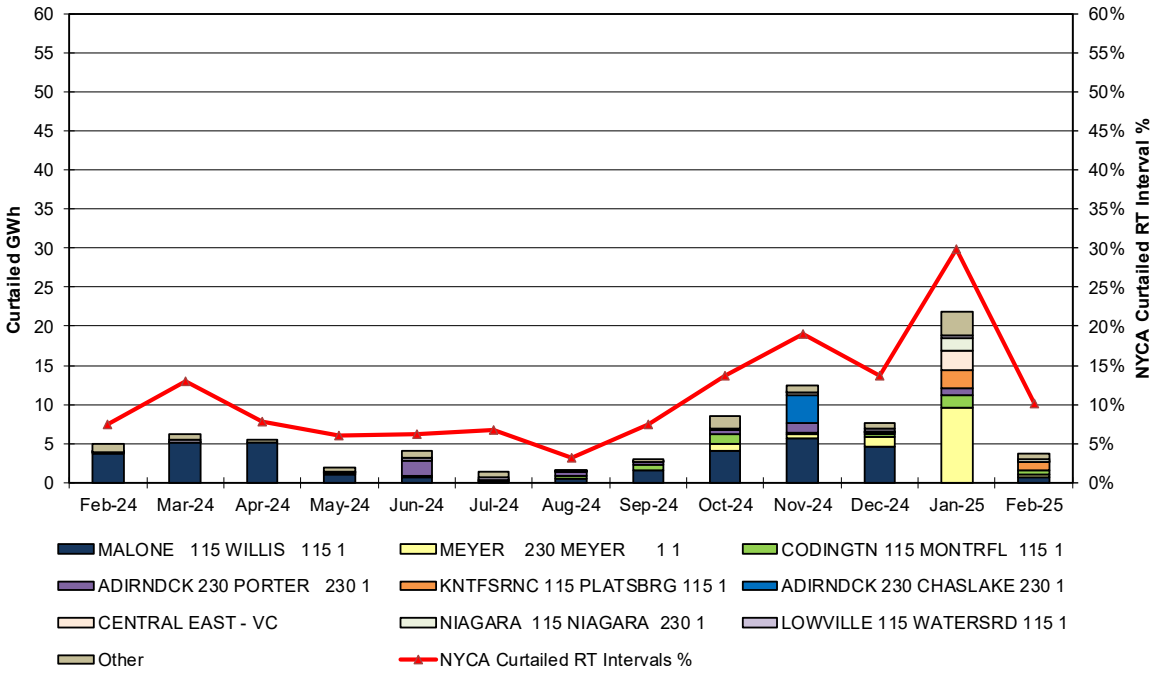
Wind Performance
Monthly Energy Curtailment
Nameplate Wind Capacity 2872MW



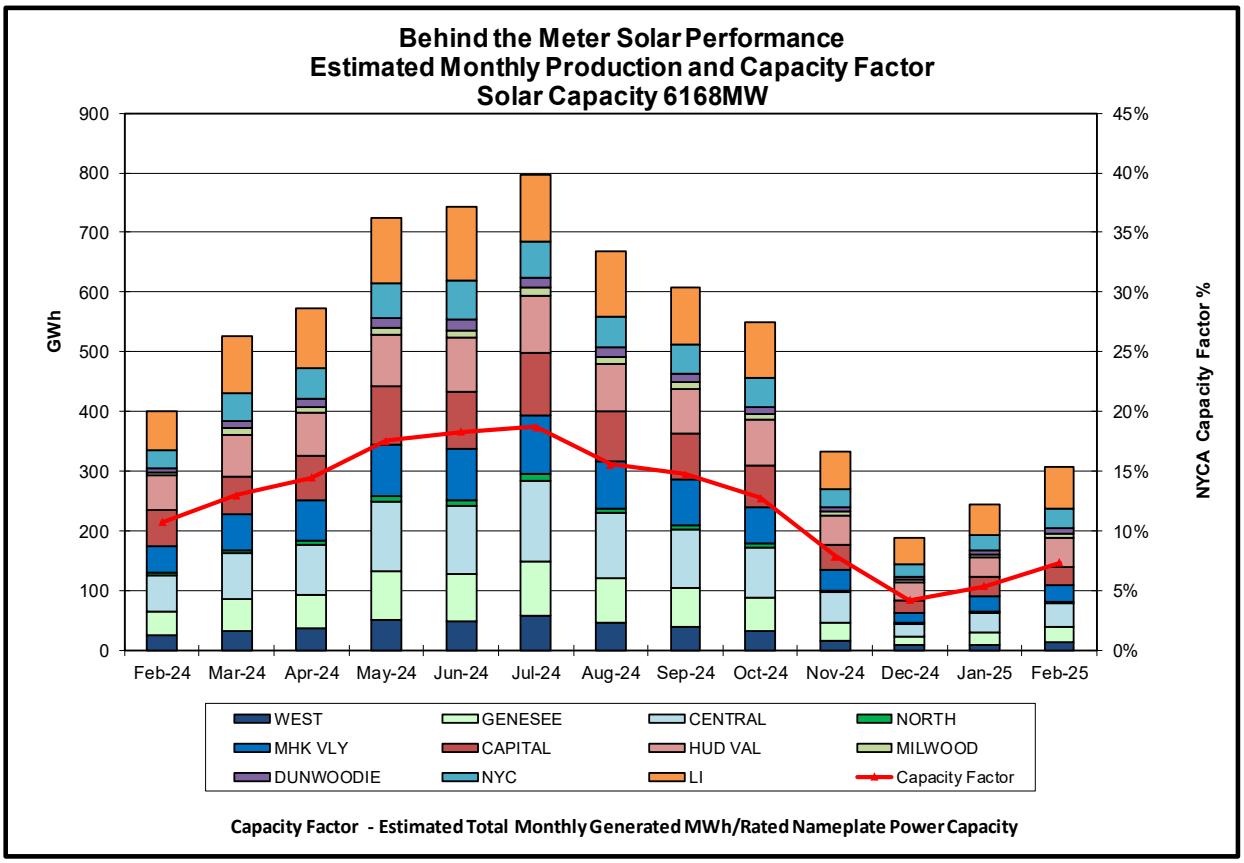
	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25
MOHAWK VALLEY	0.17	0.15	0.05	0.40	2.40	0.78	0.90	0.72	1.20	1.76	0.14	0.22	0.24
NORTH	4.59	5.83	5.34	1.08	1.37	0.23	0.40	1.87	6.13	9.64	6.20	4.85	1.98
CENTRAL	0.04	0.03	0.00	0.18	0.10	0.10	0.17	0.38	1.07	0.71	1.12	16.72	1.39
GENESEE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WEST	0.05	0.10	0.00	0.04	0.11	0.04	0.02	0.01	0.09	0.17	0.07	0.11	0.01
NYCA Curtailed %	0.9%	0.9%	0.9%	0.5%	0.9%	0.5%	0.4%	0.9%	1.6%	1.7%	1.1%	2.6%	0.6%

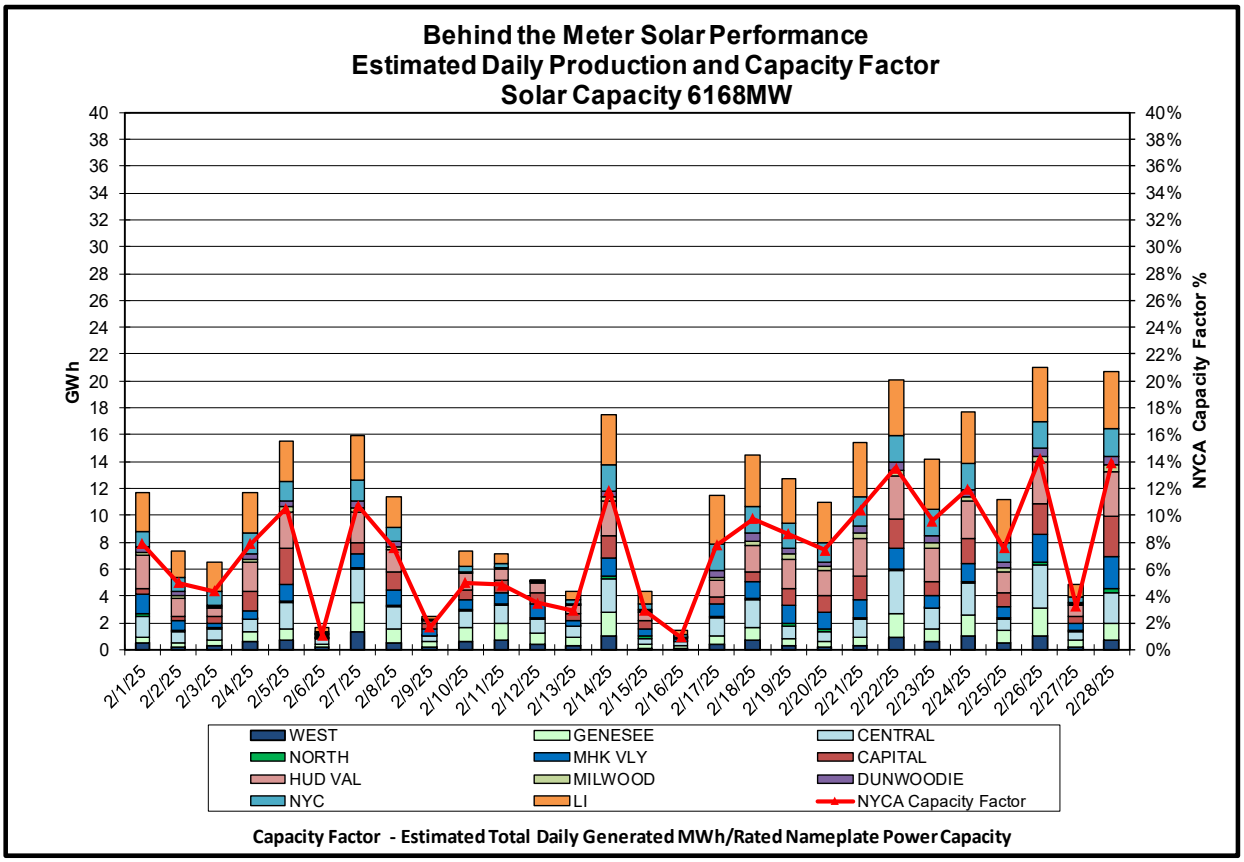
Curtailed GWh - Difference between Real-Time Wind Forecast and Economic Wind Output Limit
Curtailed % - Ratio of Curtailed Energy to Total Production

Wind Performance
Monthly Energy Curtailment by Limiting Constraints



Curtailed GWh - Difference between Real-Time Wind Forecast and Economic Wind Output Limit
Curtailed RT Intervals% - Ratio of the sum of real-time dispatch curtailed intervals to total dispatch intervals


Behind the Meter Solar Performance
Estimated Monthly Production and Capacity Factor
Solar Capacity 6168MW
GWh
NYCA Capacity Factor %
900
800
700
600
500
400
300
200
100
0
45%
40%
35%
30%
25%
20%
15%
10%
5%
0%
Feb-24
Mar-24
Apr-24
May-24
Jun-24
Jul-24
Aug-24
Sep-24
Oct-24
Nov-24
Dec-24
Jan-25
Feb-25
WEST
GENESEE
CENTRAL
NORTH
MHK VLY
CAPITAL
HUD VAL
MILWOOD
DUNWOODIE
NYC
LI
Capacity Factor
Capacity Factor - Estimated Total Monthly Generated MWh/Rated Nameplate Power Capacity


Behind the Meter Solar Performance
Estimated Daily Production and Capacity Factor
Solar Capacity 6168MW
GWh
NYCA Capacity Factor %
40
38
36
34
32
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
40%
38%
36%
34%
32%
30%
28%
26%
24%
22%
20%
18%
16%
14%
12%
10%
8%
6%
4%
2%
0%
2/1/25
2/2/25
2/3/25
2/4/25
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2/26/25
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2/28/25
WEST
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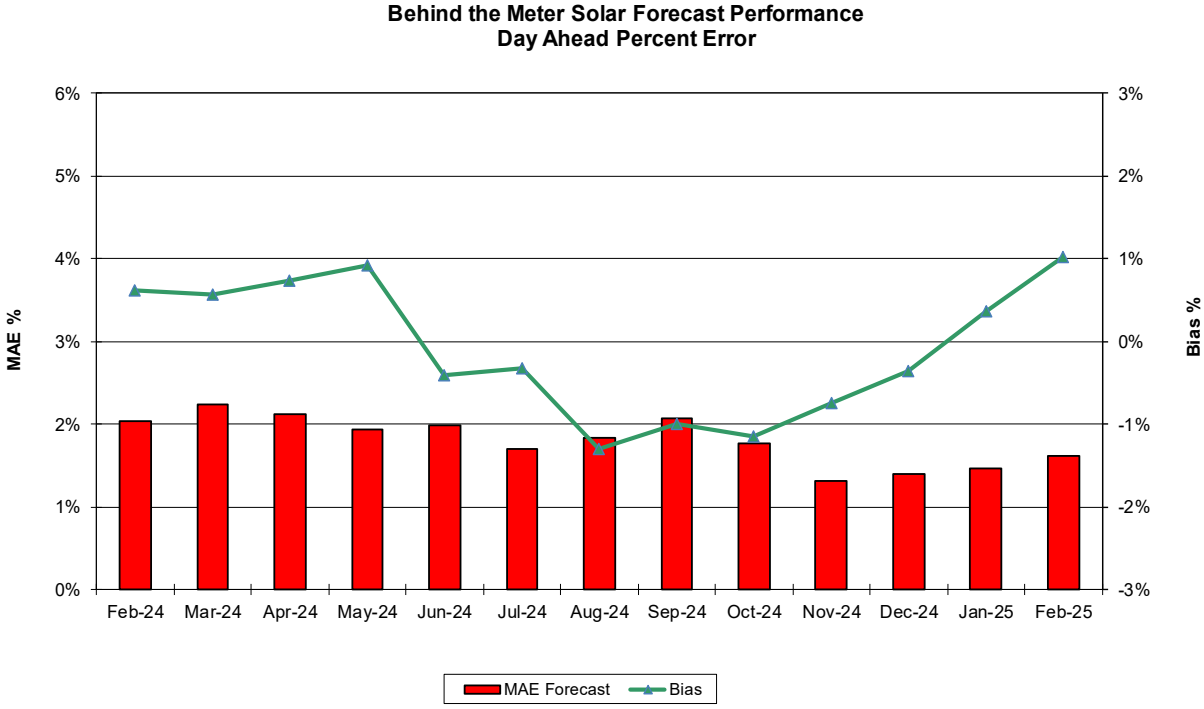
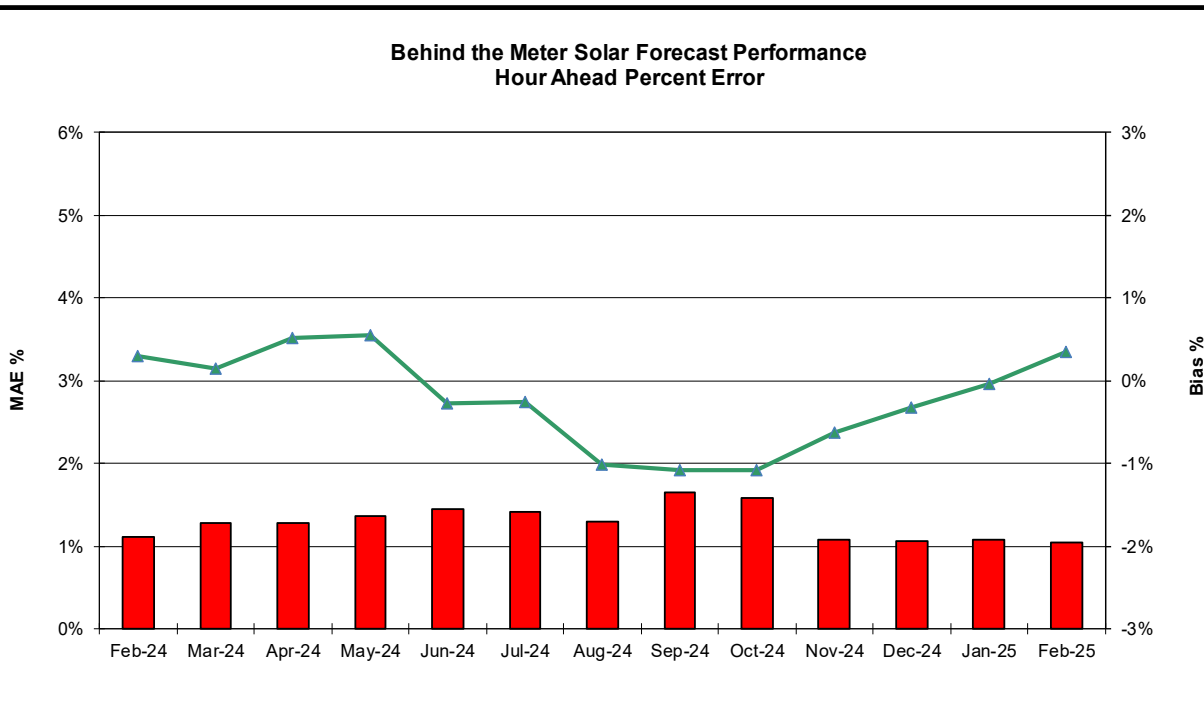
CAPITAL
HUD VAL
MILWOOD
DUNWOODIE
NYC
LI
NYCA Capacity Factor
Capacity Factor - Estimated Total Daily Generated MWh/Rated Nameplate Power Capacity

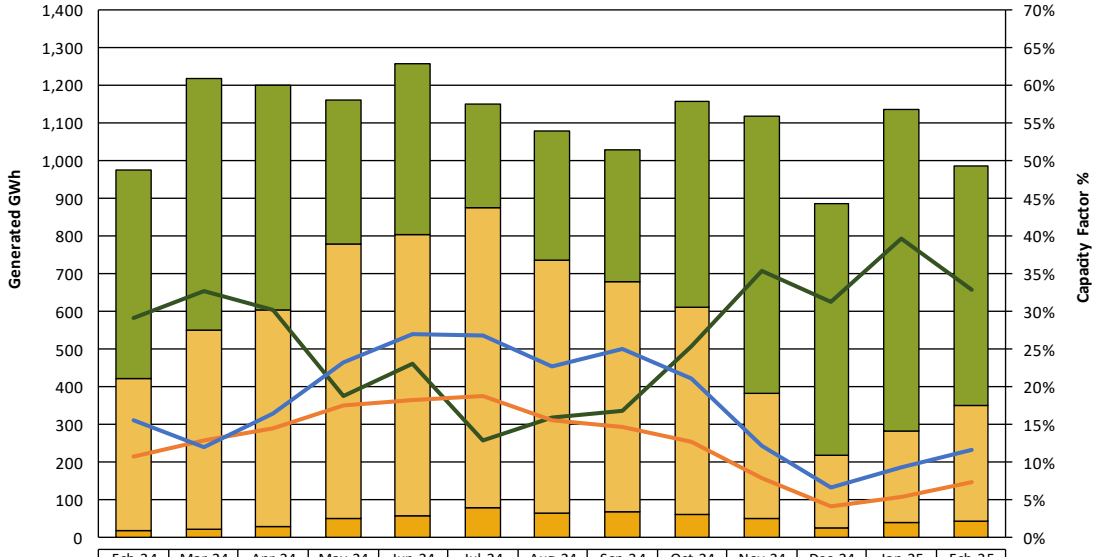


MAE Forecast - Avg |est. actual solar generation - Day Ahead forecast solar generation| / Solar Capacity
Bias - Avg (est. actual solar generation - Day Ahead forecast solar generation) / Solar Capacity



MAE Forecast - Avg |est. actual solar generation - Hour Ahead forecast solar generation| / Solar Capacity
Bias - Avg (est. actual solar generation - Hour Ahead forecast solar generation) / Solar Capacity

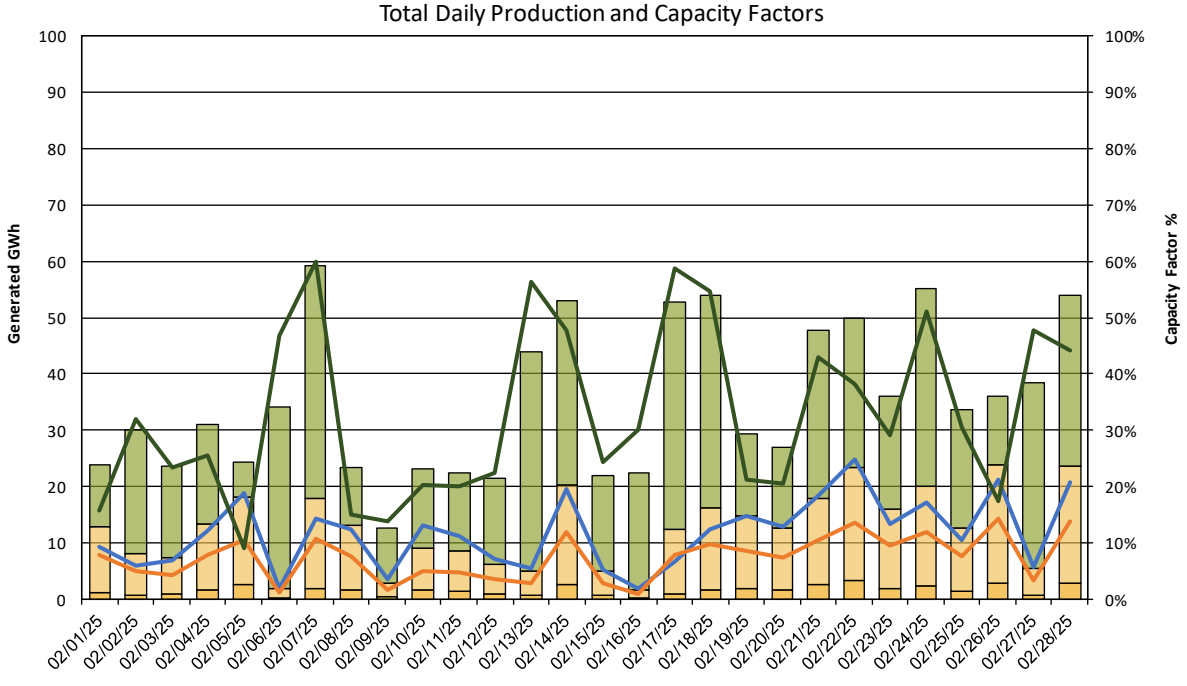
Net Wind and Solar Performance
Total Monthly Production and Capacity Factors



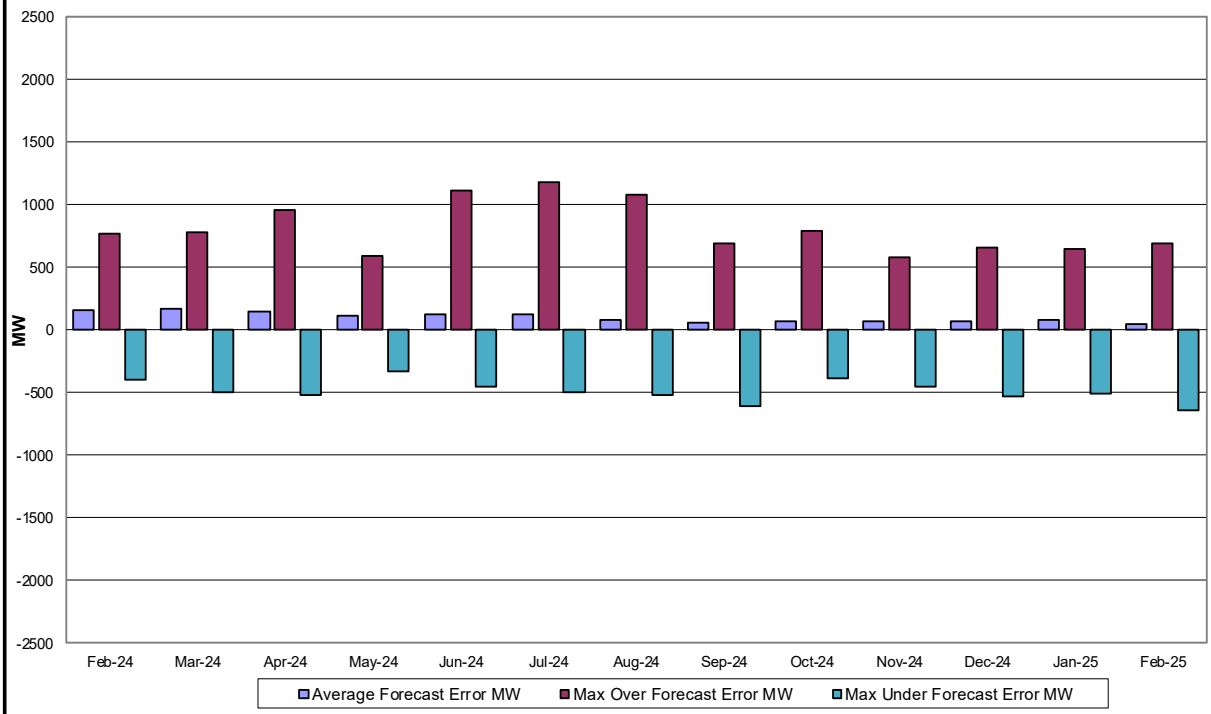
	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25
Wind	553	667	594	382	453	276	343	348	544	733	669	849	633
Estimated BTM Solar	400	527	574	725	744	795	668	609	550	333	190	246	306
FTM Solar	21	23	30	53	59	79	66	71	62	50	28	39	45
Wind Capacity Factor	29%	33%	30%	19%	23%	13%	16%	17%	25%	35%	31%	40%	33%
BTM Solar Capacity Factor	11%	13%	14%	18%	18%	19%	16%	15%	13%	8%	4%	5%	7%
FTM Solar Capacity Factor	16%	12%	17%	23%	27%	27%	23%	25%	21%	12%	7%	9%	12%

Capacity Factor - Total Monthly Generated MWh/Rated Nameplate Power Capacity

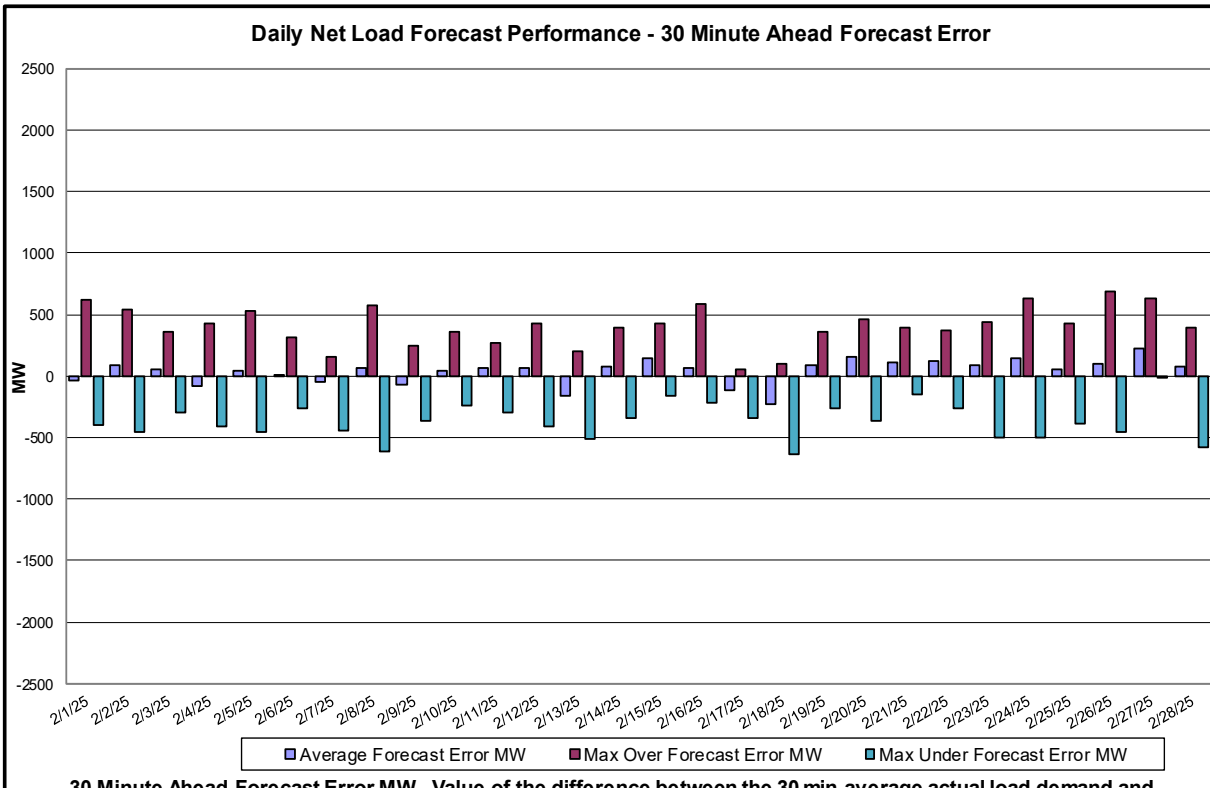
Net Wind and Solar Performance
Total Daily Production and Capacity Factors



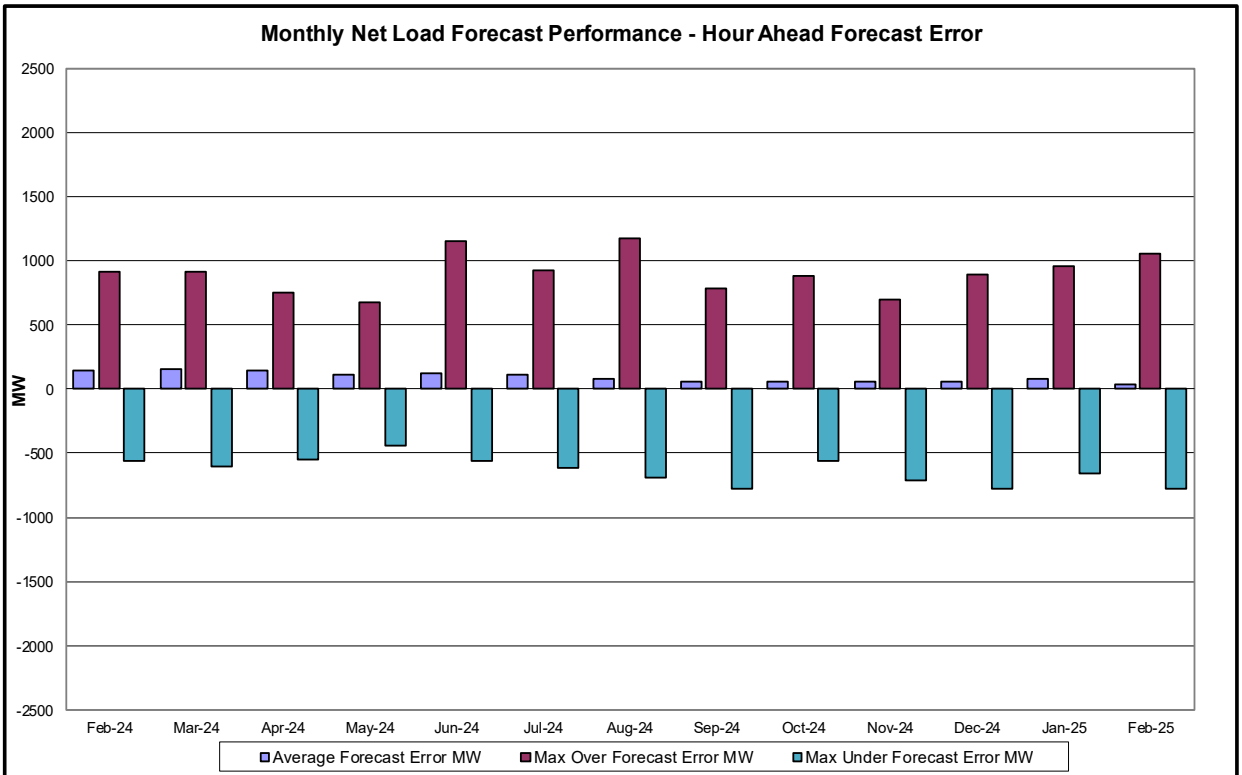
Capacity Factor - Total Daily Generated MWh/Rated Nameplate Power Capacity



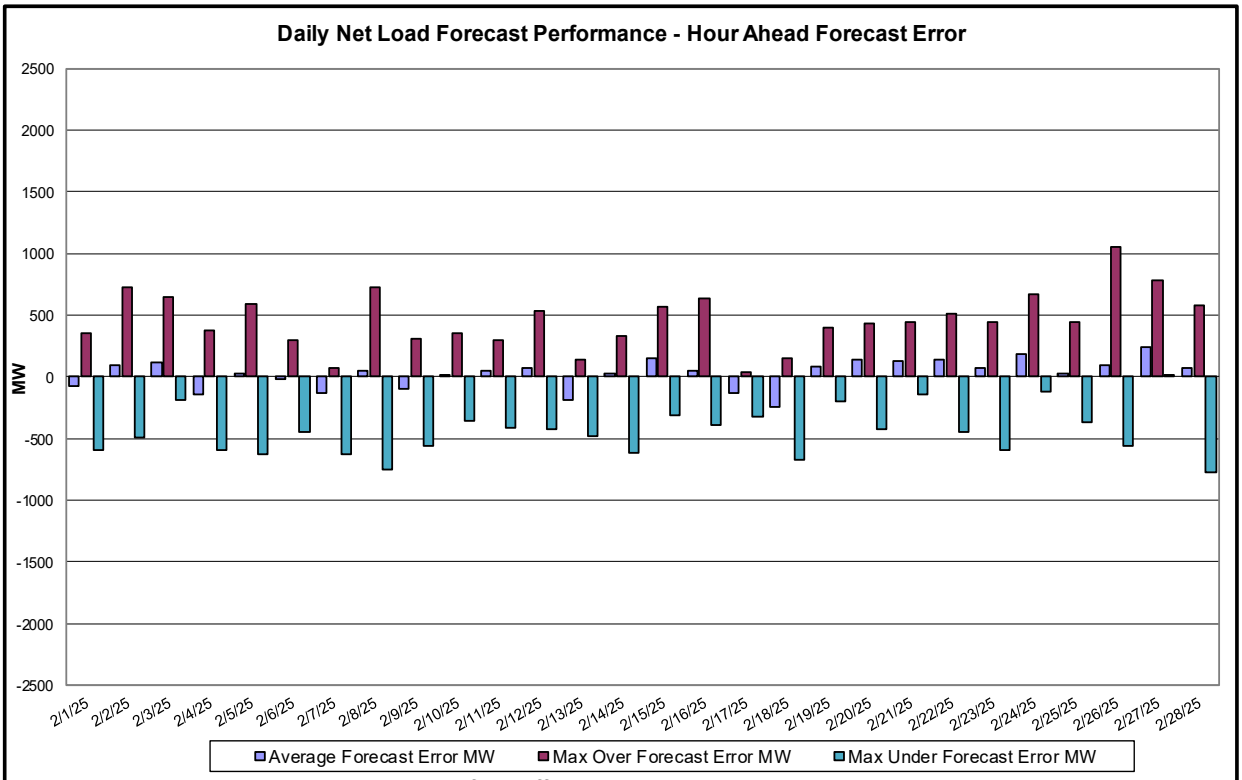
30 minute Ahead Forecast Error MW- Value of the difference between the 30 min average actual load demand and the average 30 min ahead forecast load demand netted with the difference between the 30 min average actual wind production and the average 30 min ahead forecast wind.



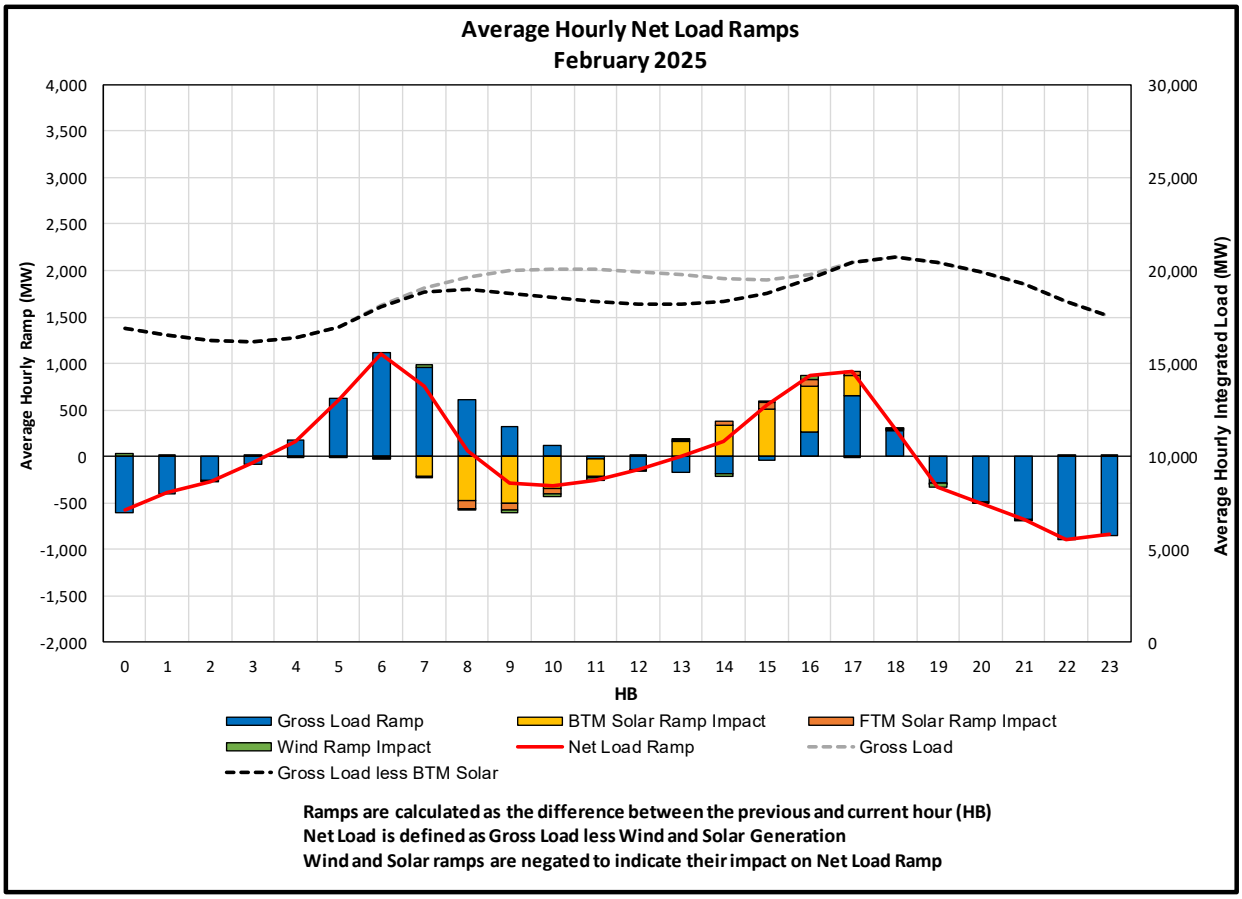
30 Minute Ahead Forecast Error MW - Value of the difference between the 30 min average actual load demand and the average 30 min ahead forecast load demand netted with the difference between the 30 min average actual wind production and the average 30 min ahead forecast wind.

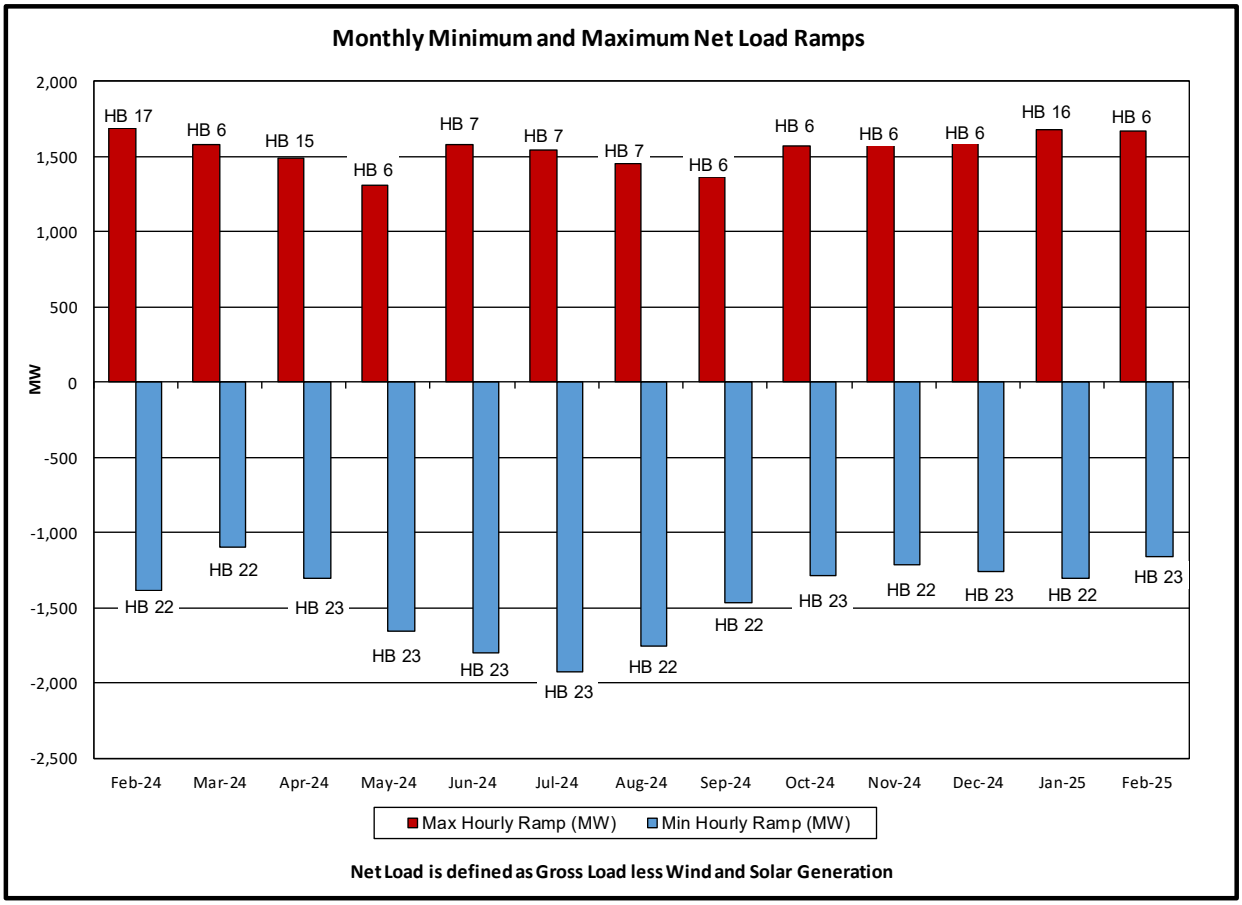


Hour Ahead Forecast Error MW- Value of the difference between the hourly average actual load and the average hour ahead forecast load demand netted with the difference between the hourly average actual wind production and the average hour ahead forecast wind.

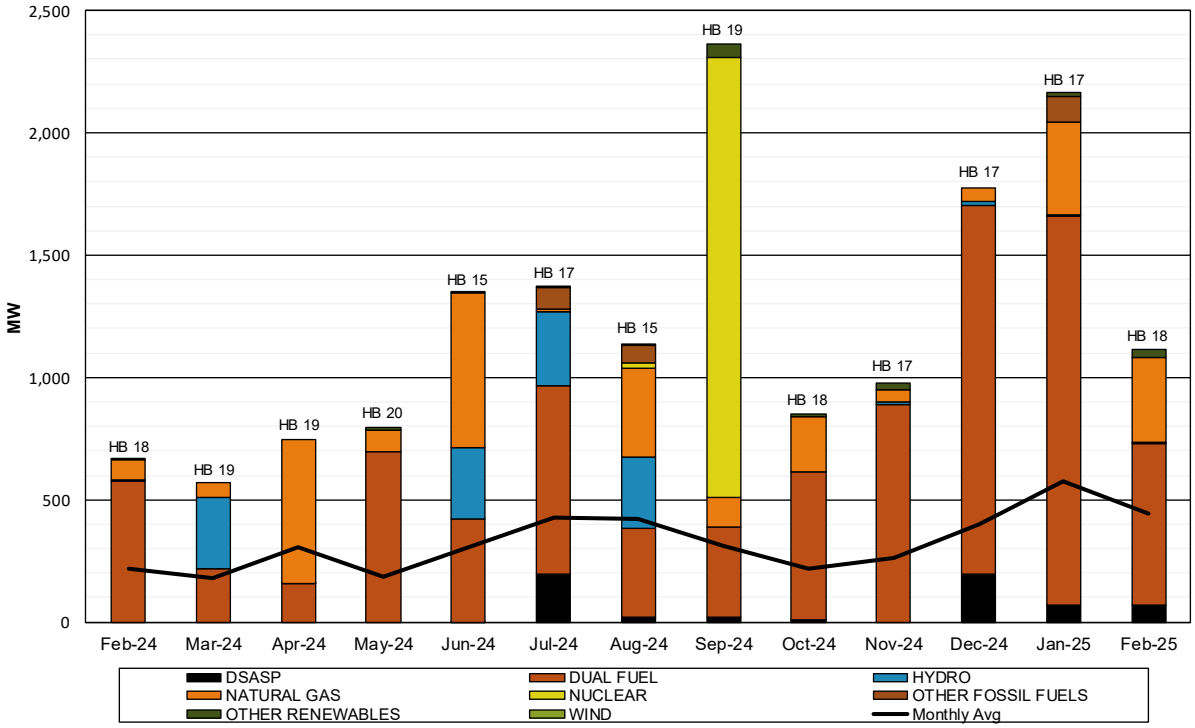


Hour Ahead Forecast Error MW - Value of the difference between the hourly average actual load and the average hour ahead forecast load demand netted with the difference between the hourly average actual wind production and the average hour ahead forecast wind.


Average Hourly Net Load Ramps
February 2025
Average Hourly Ramp (MW)
Average Hourly Integrated Load (MW)
HB
Gross Load Ramp
BTM Solar Ramp Impact
FTM Solar Ramp Impact
Wind Ramp Impact
Net Load Ramp
Gross Load
Gross Load less BTM Solar
Ramps are calculated as the difference between the previous and current hour (HB)
Net Load is defined as Gross Load less Wind and Solar Generation
Wind and Solar ramps are negated to indicate their impact on Net Load Ramp


Monthly Minimum and Maximum Net Load Ramps
MW
Feb-24
Mar-24
Apr-24
May-24
Jun-24
Jul-24
Aug-24
Sep-24
Oct-24
Nov-24
Dec-24
Jan-25
Feb-25
Max Hourly Ramp (MW)
Min Hourly Ramp (MW)
Net Load is defined as Gross Load less Wind and Solar Generation

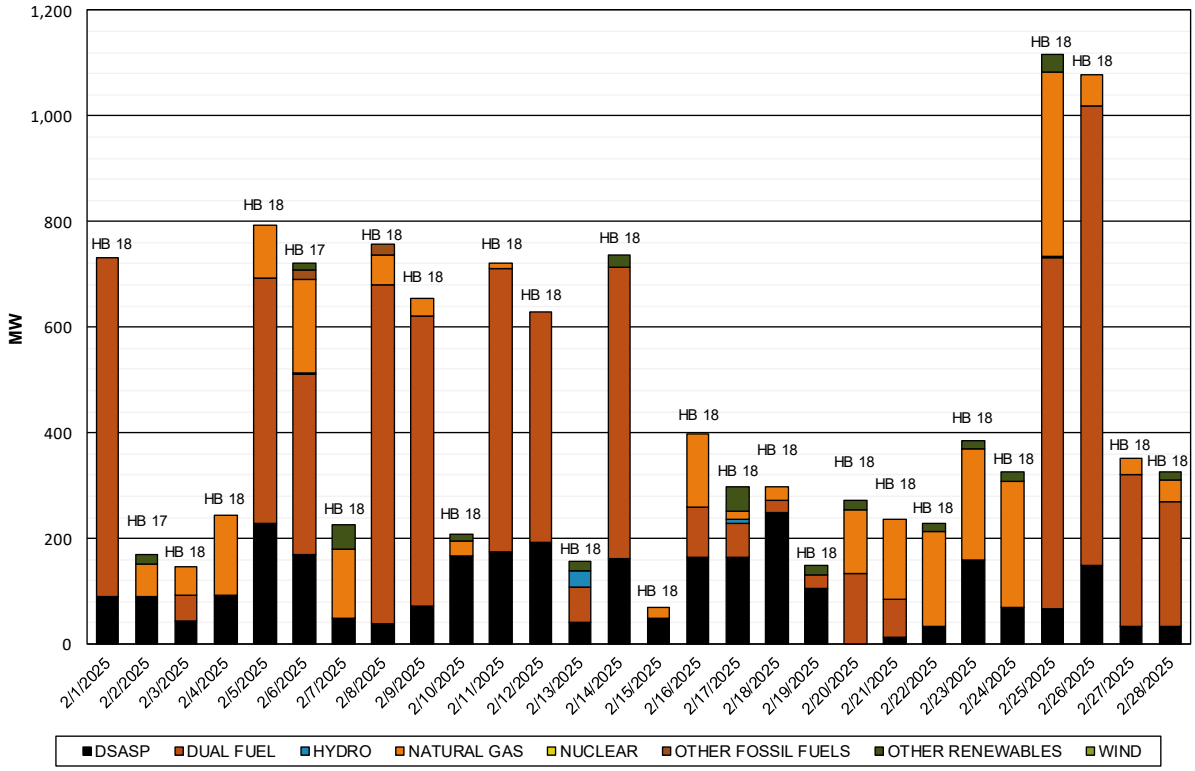
Monthly Maximum Day-Ahead Market Capacity Unavailable In Real Time



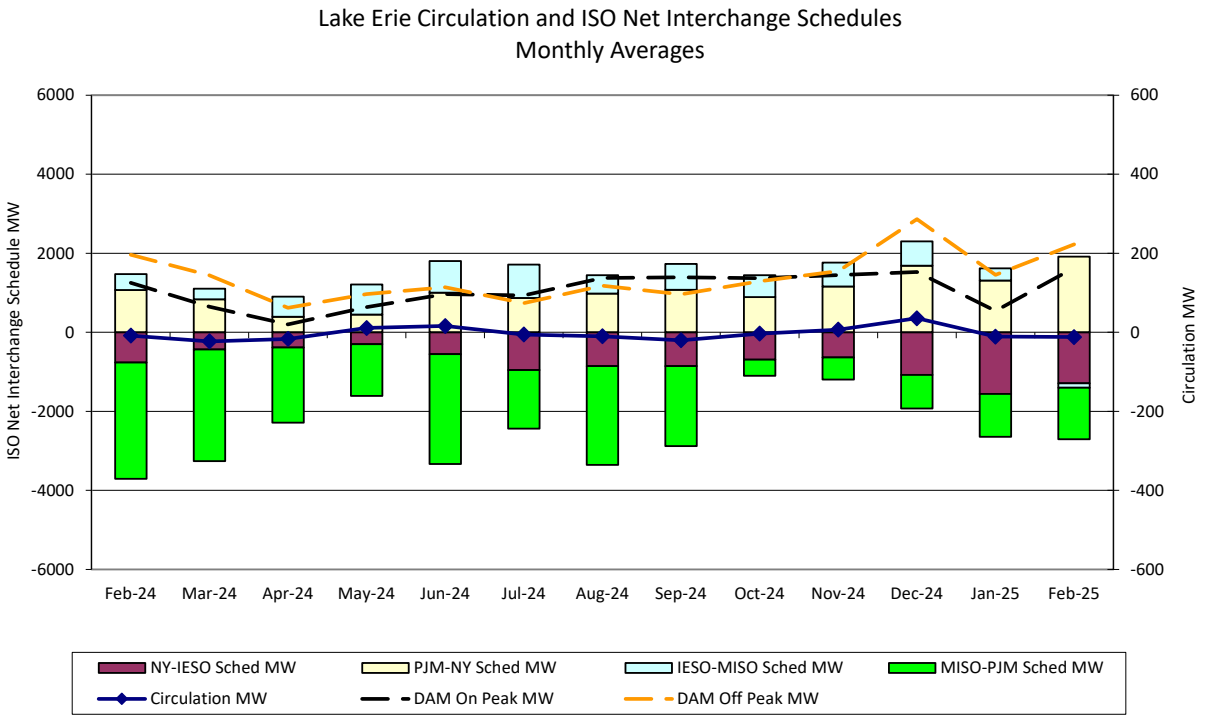
Unavailable Capacity is calculated as the difference of Day-Ahead Market (DAM) capacity including SRE relative to Real-Time (RT) capacity during RT peak load hour.

The Monthly Maximum is the day with the largest observed deficit during RT peak load hour.

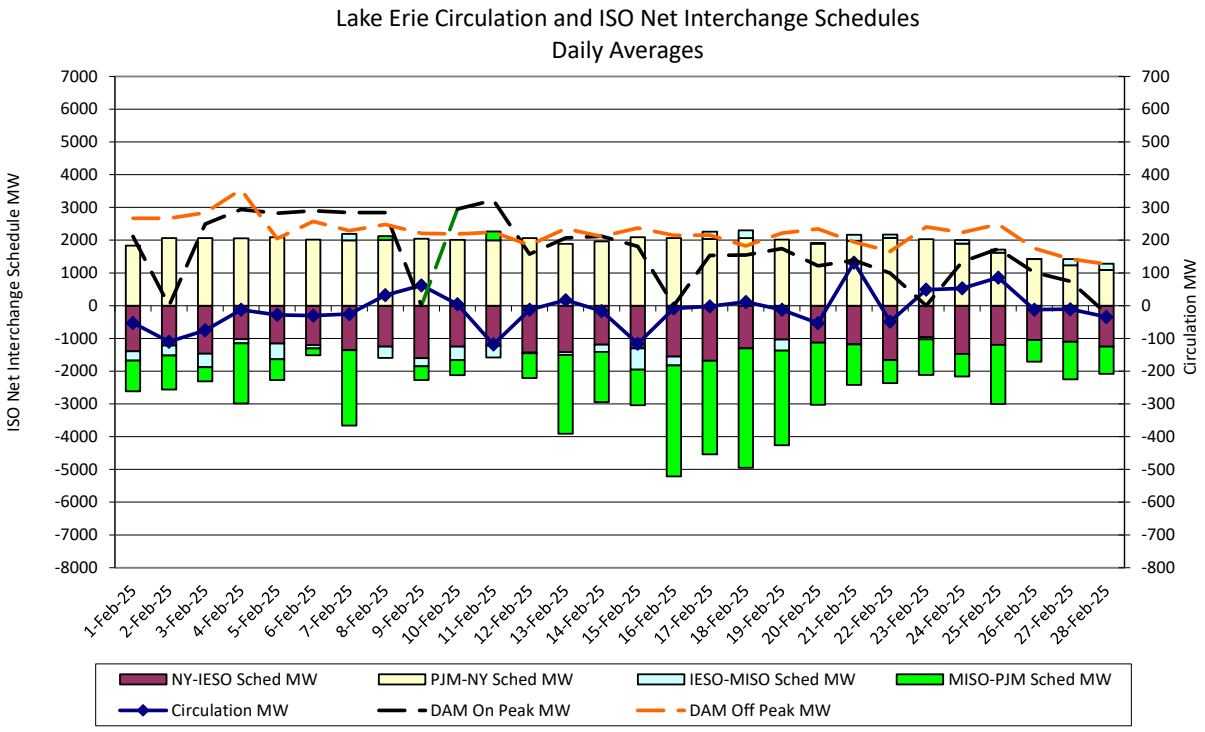
Daily Day-Ahead Market Capacity Unavailable In Real Time



Unavailable Capacity is calculated as the difference of Day-Ahead Market (DAM) capacity including SRE relative to Real-Time (RT) capacity during RT peak load hour.

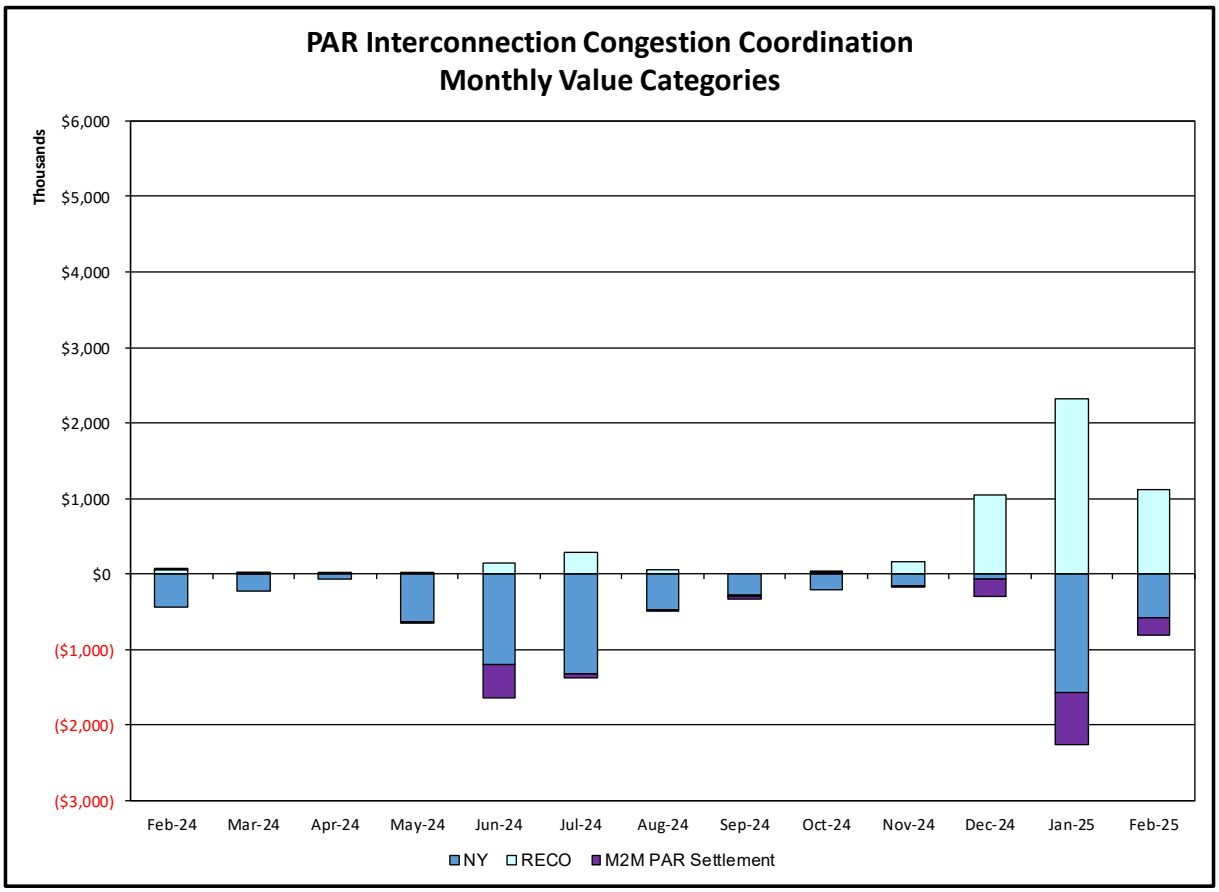


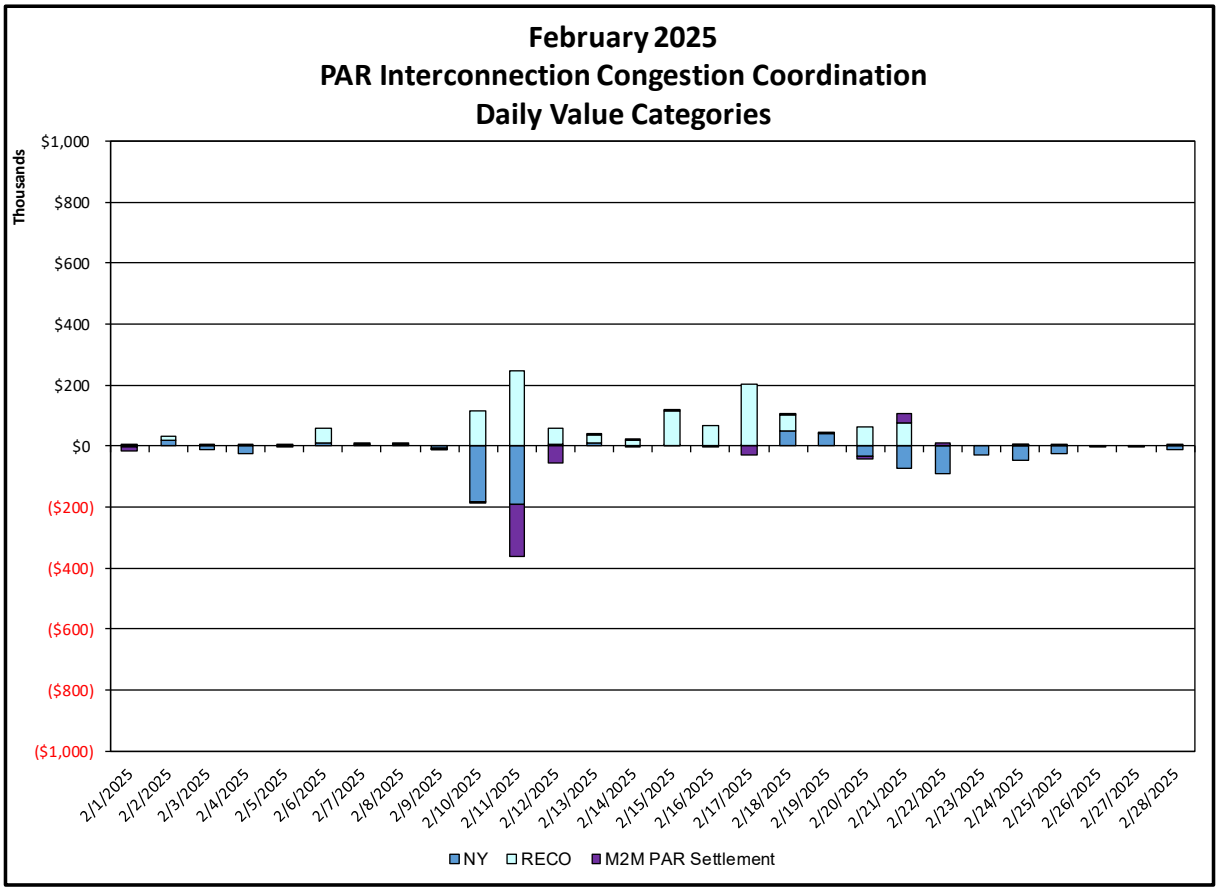
Interchange schedules with positive values aggravate clockwise Lake Erie Circulation.



Interchange schedules with positive values aggravate clockwise Lake Erie Circulation.

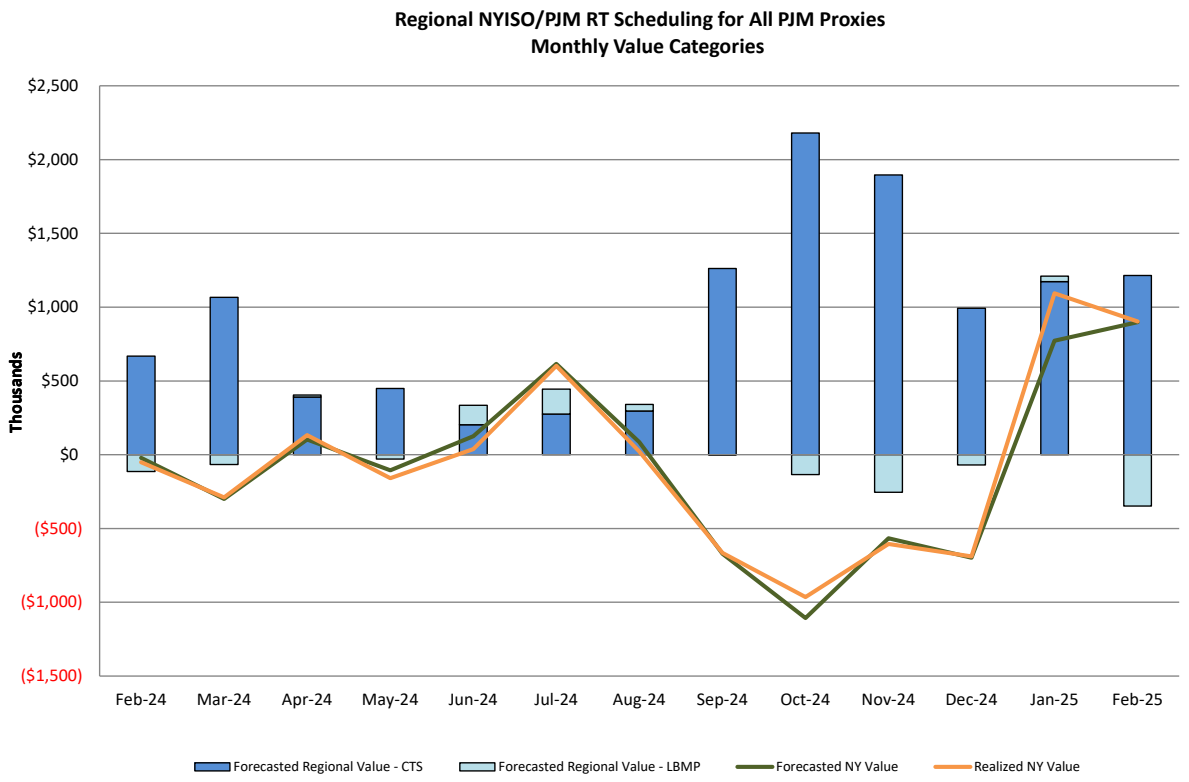
Broader Regional Market Performance Metrics



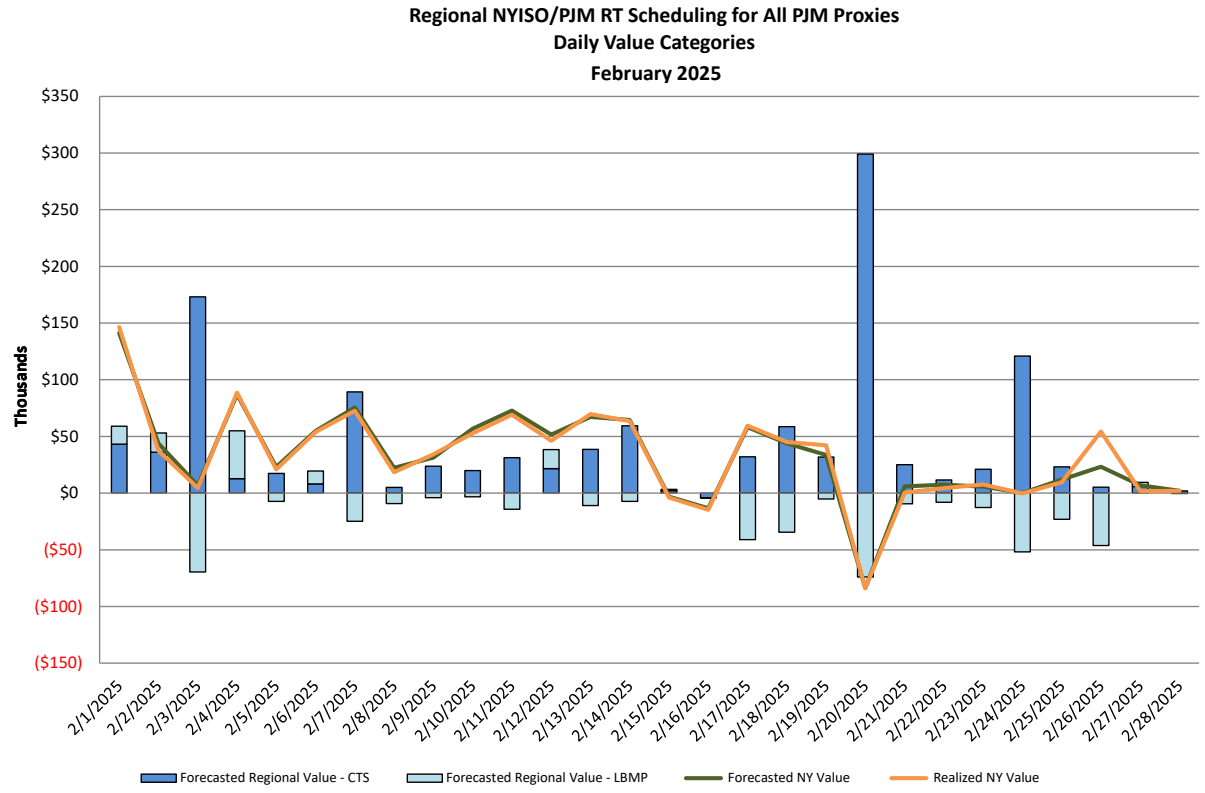


PAR Interconnection Congestion Coordination

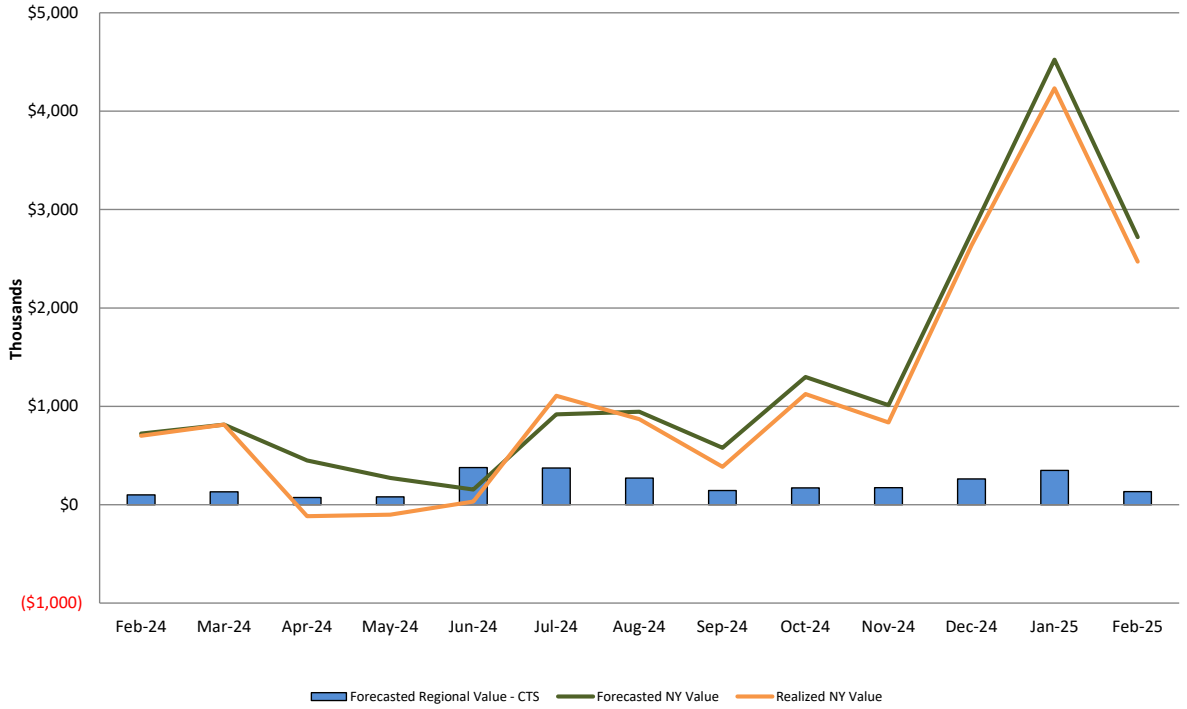
Category	*Description*
NY	Represents the value NY realizes from Market-to-Market PAR Coordination when experiencing congestion. This is the estimated savings to NY for additional deliveries into NY
RECO	Represents the value of PJM's obligation to deliver 80% of service to RECO load over Ramapo 5018. This is the estimated reduction in NYCA congestion due to the PJM delivery of RECO over Ramapo 5018.
M2M PAR Settlement	Market-to-Market PAR Coordination settlement on coordinated flowgates. Through April 2017 this value was included in the NY and RECO categories. The positive sign convention indicates settlement to NY while the negative indicates settlement to PJM.



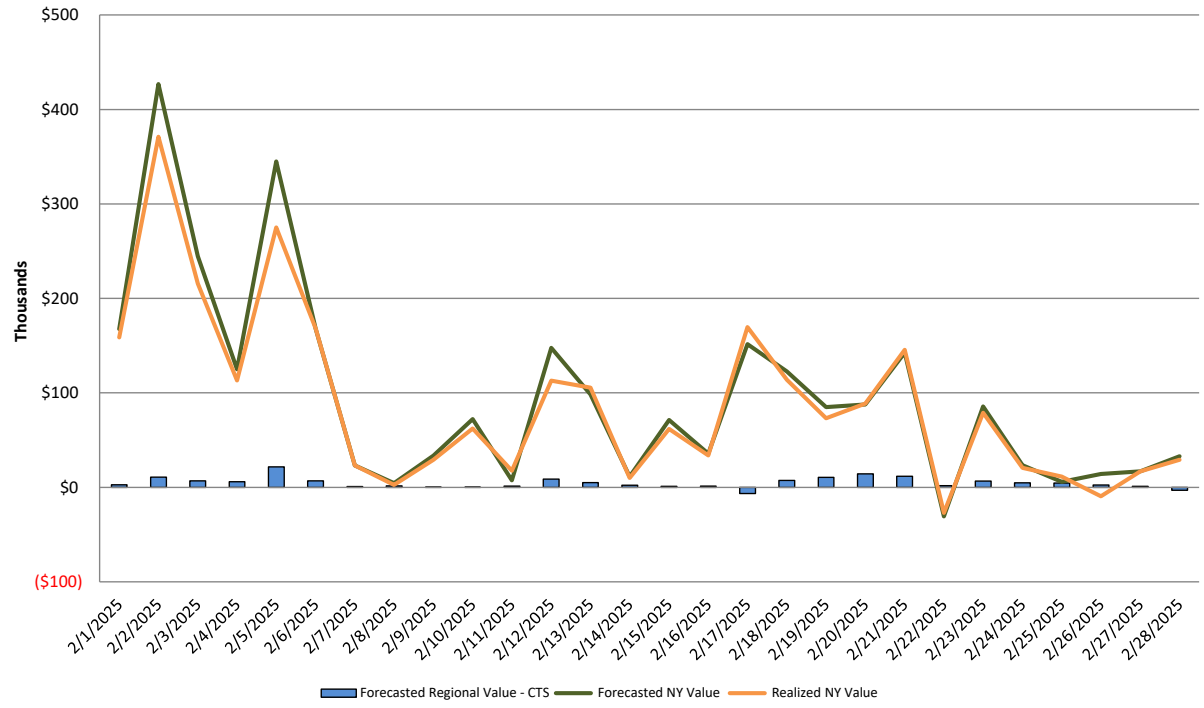
Forecasted Regional Value - CTS: Regional production cost savings for NY and PJM associated with intra-hour CTS transaction energy schedules using RTC/ITSCED prices.
Forecasted Regional Value - LBMP: Regional production cost savings for NY and PJM associated with intra-hour LBMP transaction energy schedules using RTC/ITSCED prices.
Forecasted NY Value: NY production cost savings associated with both CTS and LBMP transaction energy schedules using RTC prices.
Realized NY Value: NY production cost savings associated with both CTS and LBMP transaction energy schedules using RTD prices.



Forecasted Regional Value - CTS: Regional production cost savings for NY and PJM associated with intra-hour CTS transaction energy schedules using RTC/ITSCED prices.
Forecasted Regional Value - LBMP: Regional production cost savings for NY and PJM associated with intra-hour LBMP transaction energy schedules using RTC/ITSCED prices.
Forecasted NY Value: NY production cost savings associated with both CTS and LBMP transaction energy schedules using RTC prices.
Realized NY Value: NY production cost savings associated with both CTS and LBMP transaction energy schedules using RTD prices.

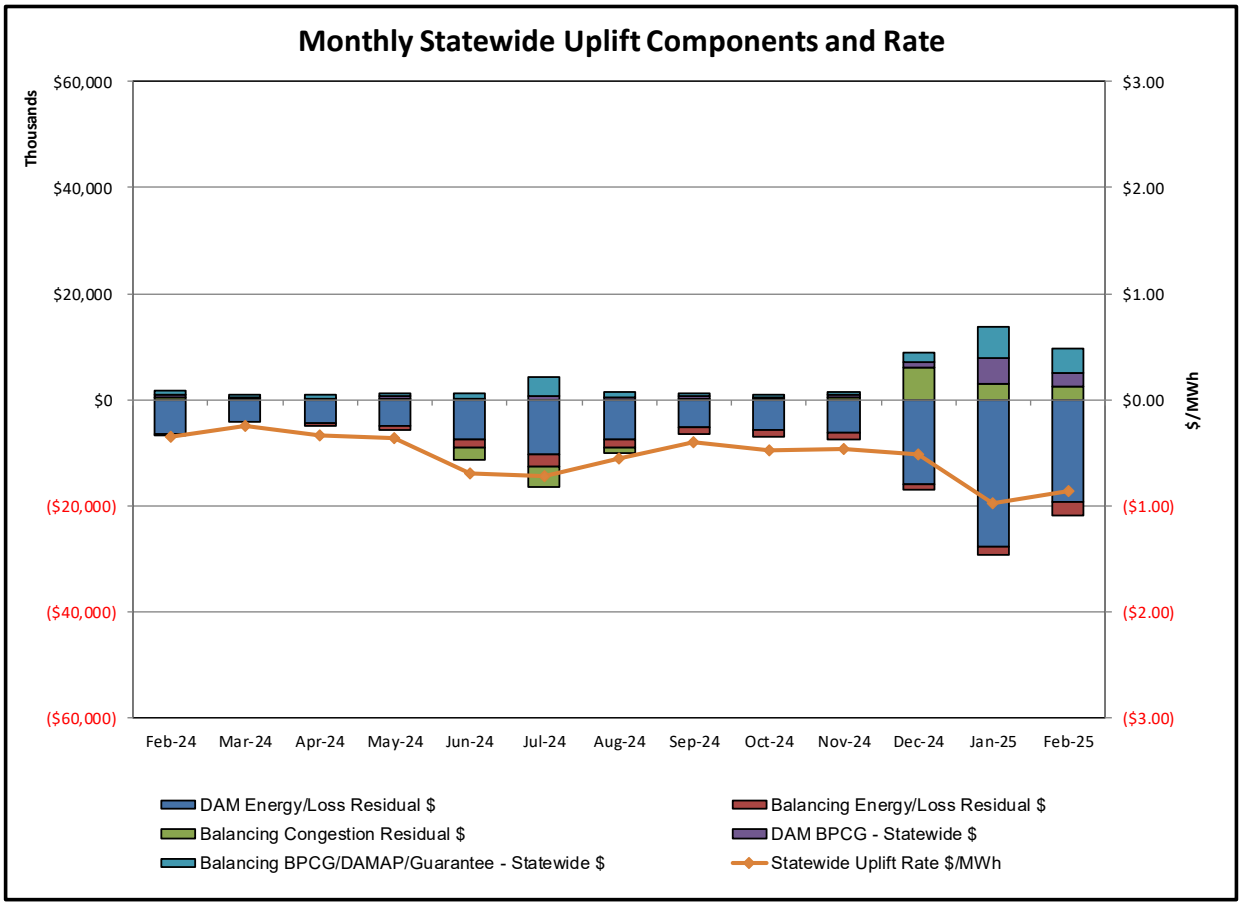


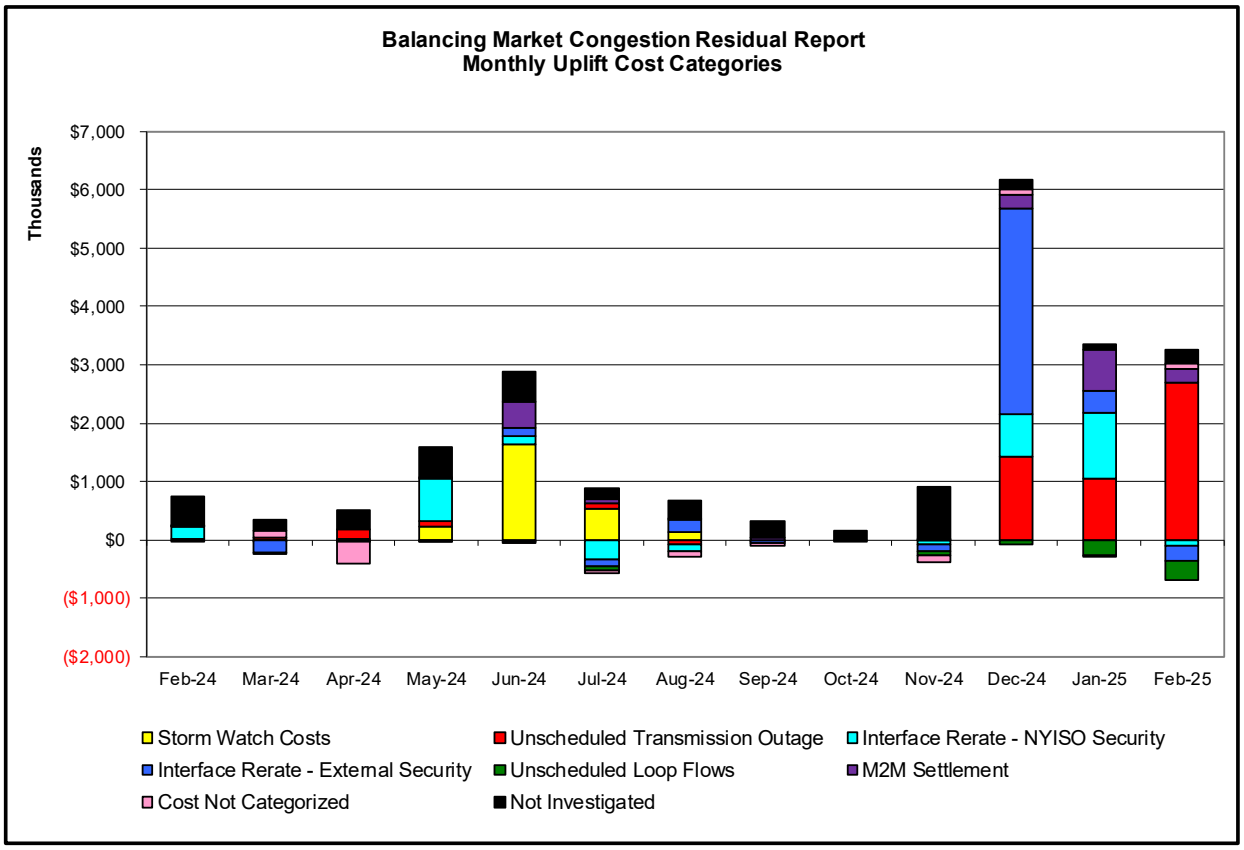
Forecasted Regional Value - CTS: Regional production cost savings for NY and NE associated with intra-hour CTS transaction energy schedules using RTC prices and NE forecasted prices.
Forecasted NY Value: NY production cost savings associated with CTS transaction energy schedules using RTC prices.
Realized NY Value: NY production cost savings associated with CTS transaction energy schedules using RTD prices.

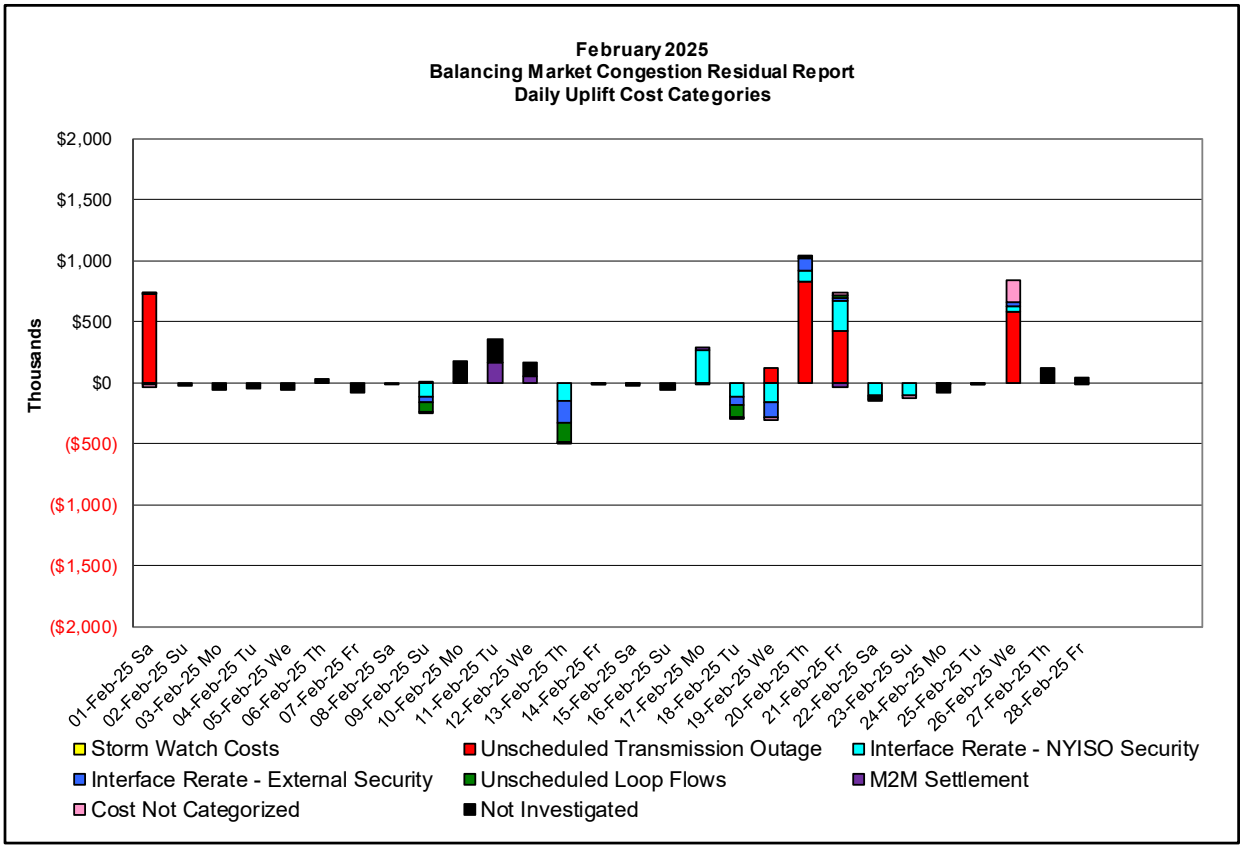


Forecasted Regional Value - CTS: Regional production cost savings for NY and NE associated with intra-hour CTS transaction energy schedules using RTC prices and NE forecasted prices.
Forecasted NY Value: NY production cost savings associated with CTS transaction energy schedules using RTC prices.
Realized NY Value: NY production cost savings associated with CTS transaction energy schedules using RTD prices.

Market Performance Metrics




Balancing Market Congestion Residual Report
Monthly Uplift Cost Categories
Thousands
$7,000
$6,000
$5,000
$4,000
$3,000
$2,000
$1,000
$0
($1,000)
($2,000)
Feb-24
Mar-24
Apr-24
May-24
Jun-24
Jul-24
Aug-24
Sep-24
Oct-24
Nov-24
Dec-24
Jan-25
Feb-25
Storm Watch Costs
Unscheduled Transmission Outage
Interface Rerate - NYISO Security
Interface Rerate - External Security
Unscheduled Loop Flows
M2M Settlement
Cost Not Categorized
Not Investigated


February 2025
Balancing Market Congestion Residual Report
Daily Uplift Cost Categories
Thousands
$2,000
$1,500
$1,000
$500
$0
($500)
($1,000)
($1,500)
($2,000)
01-Feb-25 Sa
02-Feb-25 Su
03-Feb-25 Mo
04-Feb-25 Tu
05-Feb-25 We
06-Feb-25 Th
07-Feb-25 Fr
08-Feb-25 Sa
09-Feb-25 Su
10-Feb-25 Mo
11-Feb-25 Tu
12-Feb-25 We
13-Feb-25 Th
14-Feb-25 Fr
15-Feb-25 Sa
16-Feb-25 Su
17-Feb-25 Mo
18-Feb-25 Tu
19-Feb-25 We
20-Feb-25 Th
21-Feb-25 Fr
22-Feb-25 Sa
23-Feb-25 Su
24-Feb-25 Mo
25-Feb-25 Tu
26-Feb-25 We
27-Feb-25 Th
28-Feb-25 Fr
Storm Watch Costs
Unscheduled Transmission Outage
Interface Rerate - NYISO Security
Interface Rerate - External Security
Unscheduled Loop Flows
M2M Settlement
Cost Not Categorized
Not Investigated

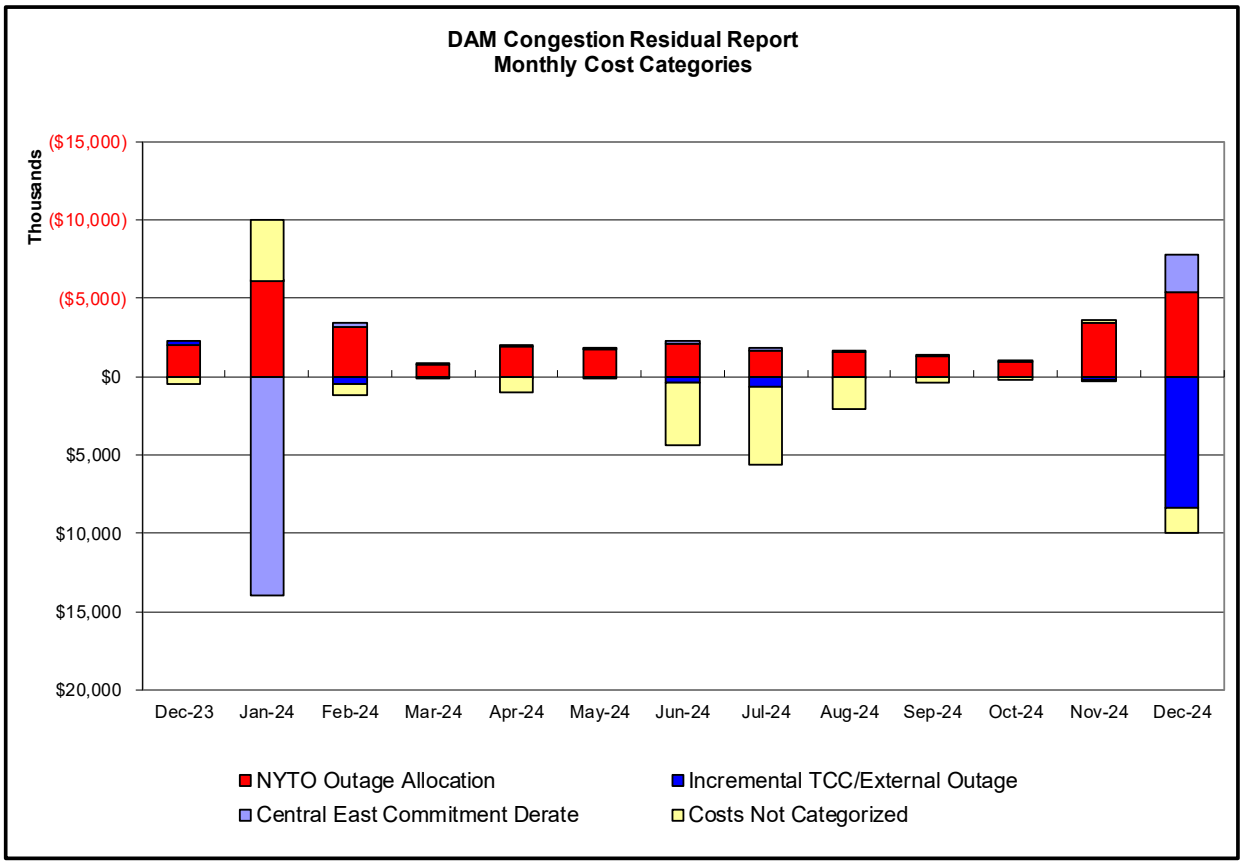
Day's investigated in February: 1,9,13,17,18,19,20,21,22,23,26		
Event	Description	February Dates
	Extended Outage Hopatcong - Ramapo 500kV (#5018)	1
	Forced Outage Gowanus - Greenwood 138kV (#42232)	19,20,21
	Forced Outage Astoria Annex - E13th State St 345kV (Q35M)	26
	Forced Outage Astoria Annex - E13th State St 345kV (Q35L)	26
	NYCA Active DNI Ramp Limit	1,13,18-20,26
	Uprate Farragut - Gowanus 345kV (#42) l/o SCB:GOWANUS(6): 25&42232	1,9,13,18,19
	Uprate Freshkills 345/138kV (#TA1) l/o SCB:FRESHKIL(6):22&TB1&21192	1,9,13,21-23
	Uprate Farragut - Gowanus 345kV (#42) l/o SCB:GOETH(5):25&R25&A2253&BK1	9,18,19,22,23
	Uprate Central East - VC	9,13,18,22
	Uprate Goethals - Gowanus 345kV (#25)	9,13,18,22
	Derate Gordon Road - Rotterdam 230kV (#31) l/o SIN:GORDONRD 30 & TR-G1	13
	Derate Chases Lake - Porter 230kV (#11) l/o TWR:MASSENA MMS1 & MMS2	17
	Derate Elwood - Pulaski 69kV (#670) l/o TWR:HOLBROOK 880 & 882	17
	Derate Greenwood - Vernon 138kV (#31231) l/o SCB:GOWANUS(6): 25&42232	17,18
	Uprate E179th St - Hellgate 138kV (#15055)	18,19,22
	Derate Malone - Willis 115kV (#1-910) l/o SIN:ALCOA R8105 & GEN	19
	Derate Rainey - Vernon 138kV (#36312)	21
	Derate Central East - VC	21
	Derate Deposit - Indian Head 69kV (#675) l/o TWR:HOLBROOK 880 & 882	21
	Uprate Coddington - Montour Falls 115kV (#982) l/o SCB:OAKDALE(31/B322):31&BK3	22,23
	Derate Rainey - Vernon 138kV (#36311)	26
	PJM_AC - NY Scheduling Limit	1,13,20
	PJM_AC Active DNI Ramp Limit	1,26
	NE_NNC1385 - NY Scheduling Limit	9,13,19,22
	NE_AC - NY Scheduling Limit	13,18,21
	NE_AC Active DNI Ramp Limit	13,18-21
	HQ_CHAT Active DNI Ramp Limit	13
	IESO_AC Active DNI Ramp Limit	19
	HQ_CEDARS - NY Scheduling Limit	20
	HQ_CHAT - NY Scheduling Limit	20,26
	Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East	9,13,18,21,22
	Lake Erie Circulation, DAM-RTM exceeds +/-125MW; West	9,13,18,22

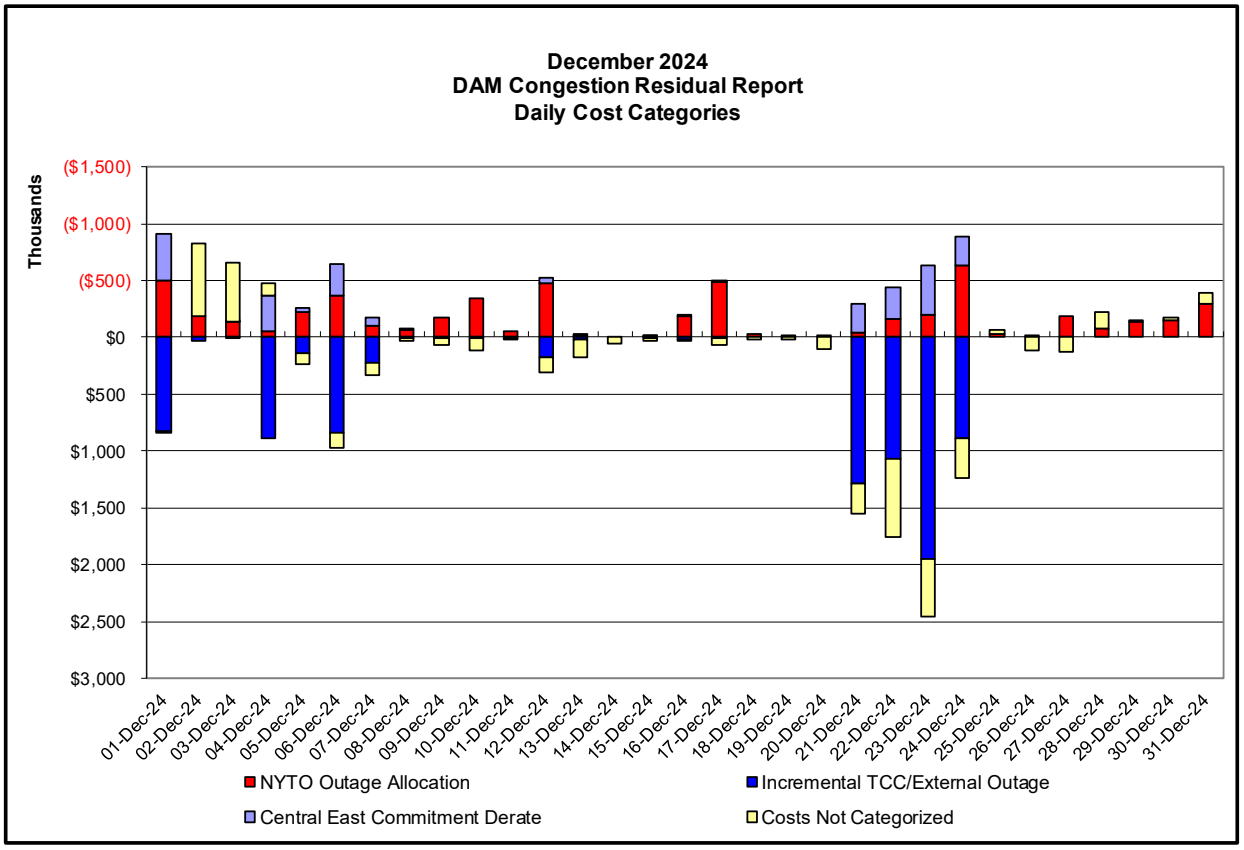
Real-Time Balancing Market Congestion Residual (Uplift Cost) Categories

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 Outage, 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 Control 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 Flows exceeding +/- 125 MW
M2M Settlement	Market-wide	Settlement result inclusive of coordinated redispatch and Ramapo flowgates	

Monthly Balancing Market Congestion Report Assumptions/Notes

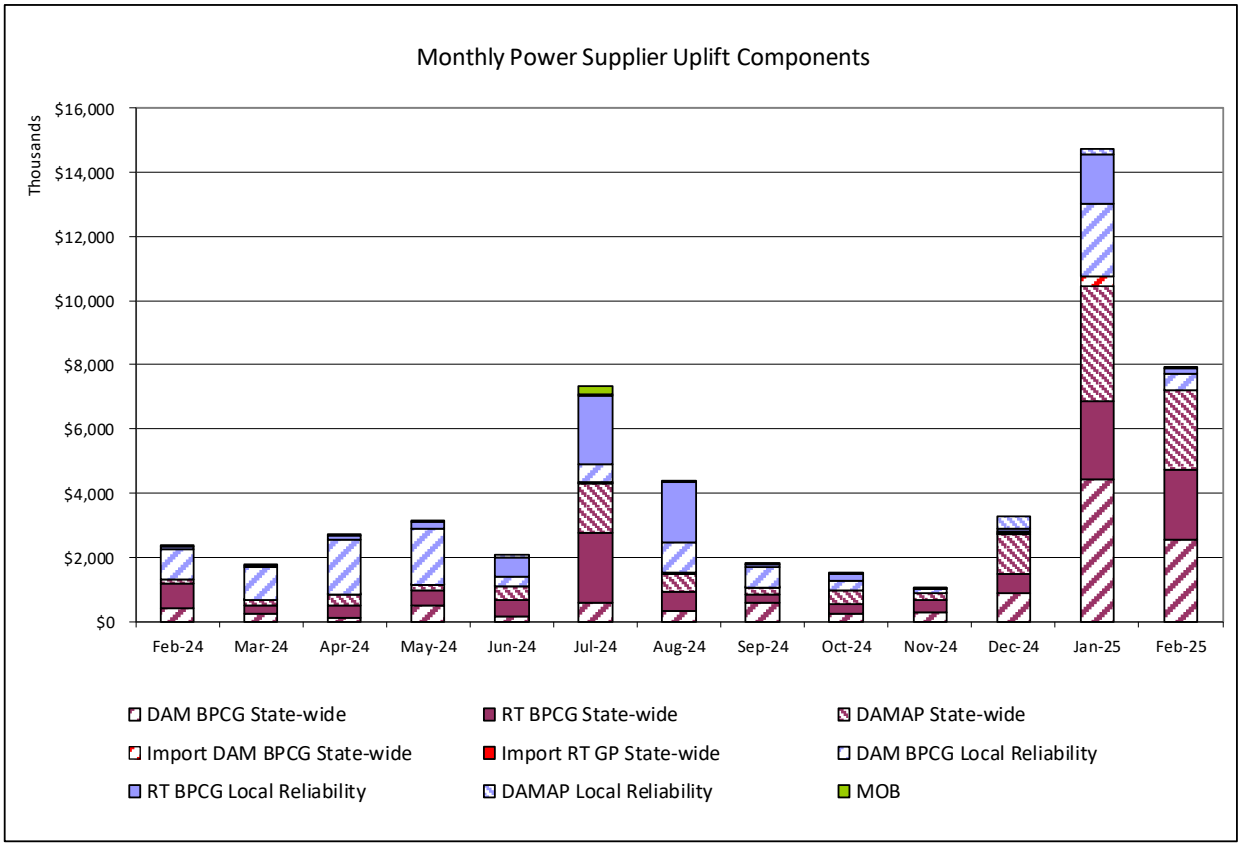
1) Storm Watch Costs are identified as daily total uplift costs
2) Days with a value of BMCR less M2M Settlement of $100K/HR, shortfall of $200K/Day or more, or surplus of $100K/Day or more are investigated.
3) Uplift costs associated with multiple event types are apportioned equally by hour

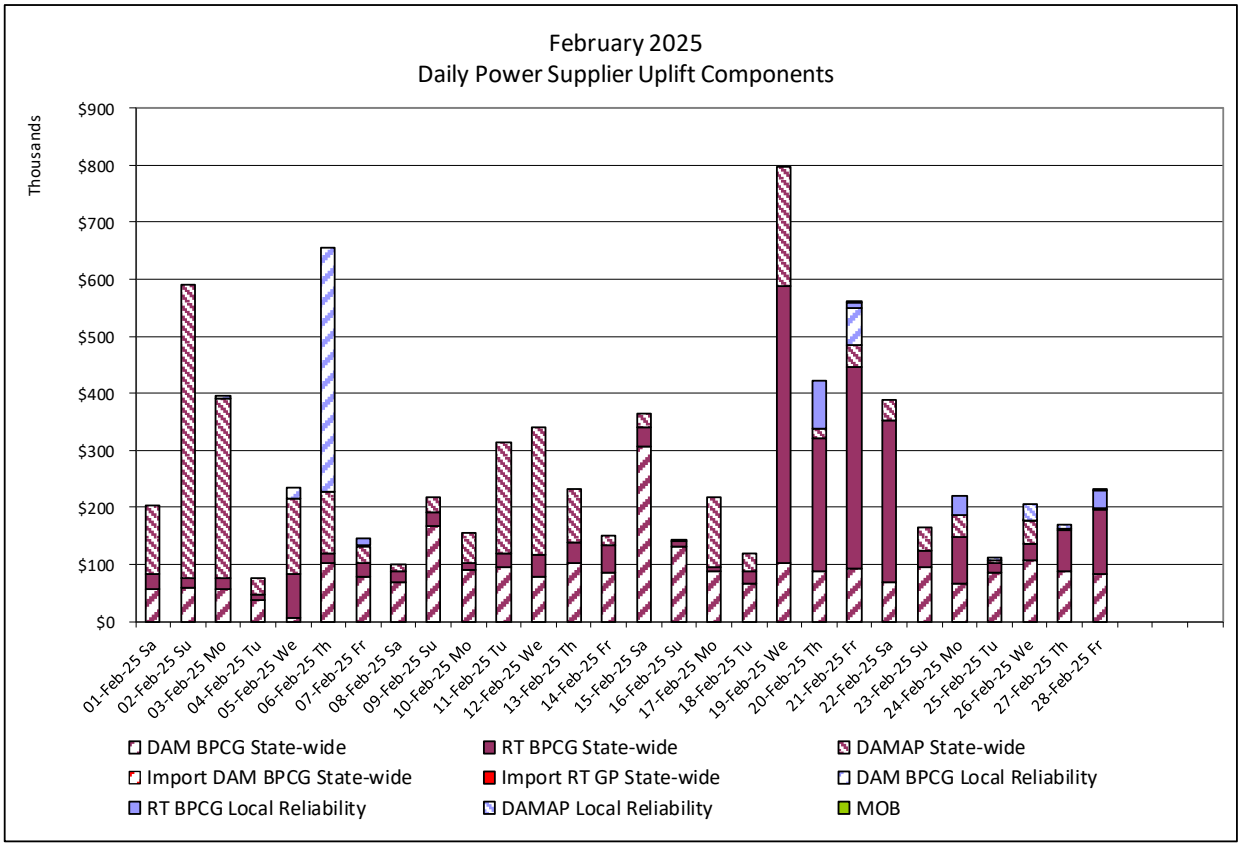

DAM Congestion Residual Report
Monthly Cost Categories
Thousands
($15,000)
($10,000)
($5,000)
$0
$5,000
$10,000
$15,000
$20,000
Dec-23
Jan-24
Feb-24
Mar-24
Apr-24
May-24
Jun-24
Jul-24
Aug-24
Sep-24
Oct-24
Nov-24
Dec-24
NYTO Outage Allocation
Incremental TCC/External Outage
Central East Commitment Derate
Costs Not Categorized

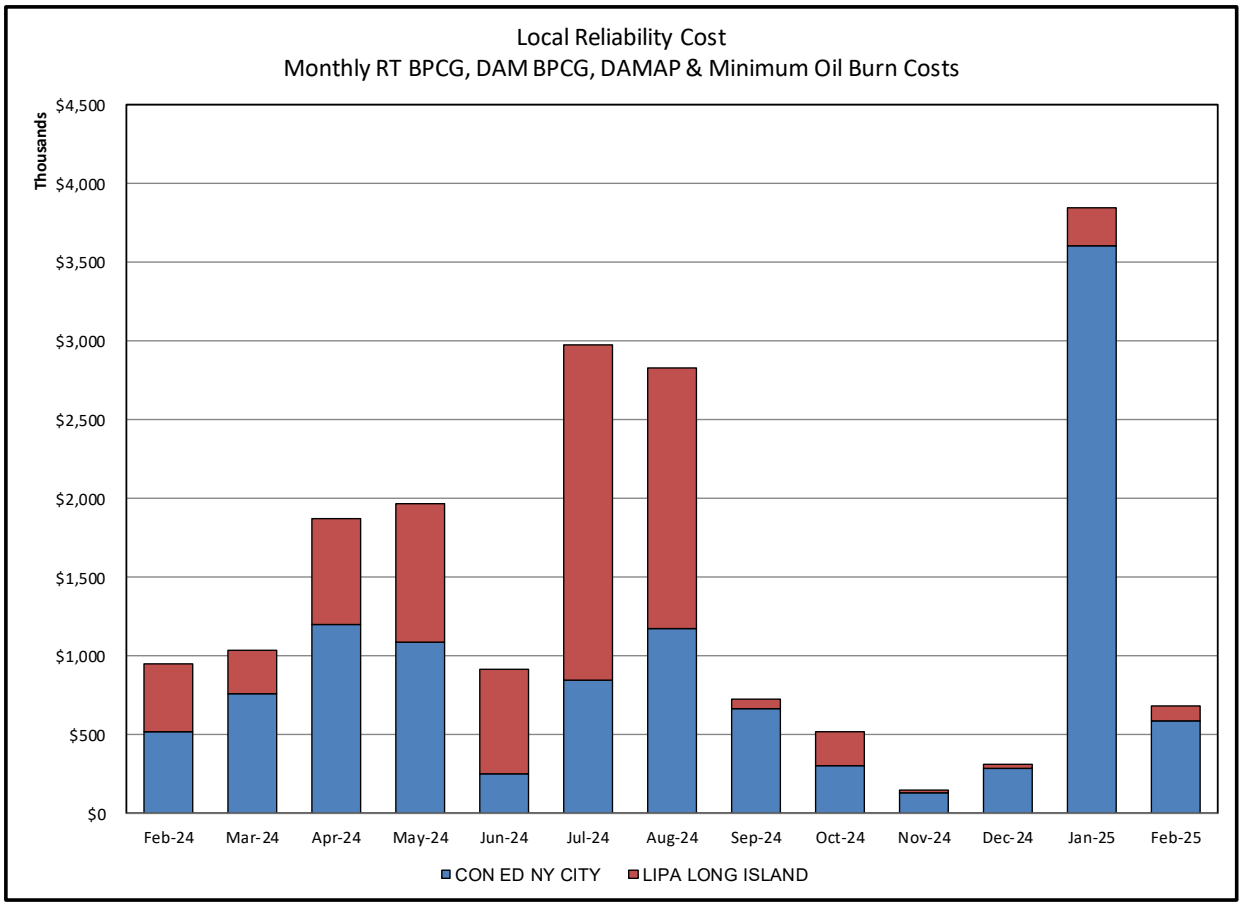

December 2024
DAM Congestion Residual Report
Daily Cost Categories
Thousands
($1,500)
($1,000)
($500)
$0
$500
$1,000
$1,500
$2,000
$2,500
$3,000
01-Dec-24
02-Dec-24
03-Dec-24
04-Dec-24
05-Dec-24
06-Dec-24
07-Dec-24
08-Dec-24
09-Dec-24
10-Dec-24
11-Dec-24
12-Dec-24
13-Dec-24
14-Dec-24
15-Dec-24
16-Dec-24
17-Dec-24
18-Dec-24
19-Dec-24
20-Dec-24
21-Dec-24
22-Dec-24
23-Dec-24
24-Dec-24
25-Dec-24
26-Dec-24
27-Dec-24
28-Dec-24
29-Dec-24
30-Dec-24
31-Dec-24
NYTO Outage Allocation
Incremental TCC/External Outage
Central East Commitment Derate
Costs Not Categorized

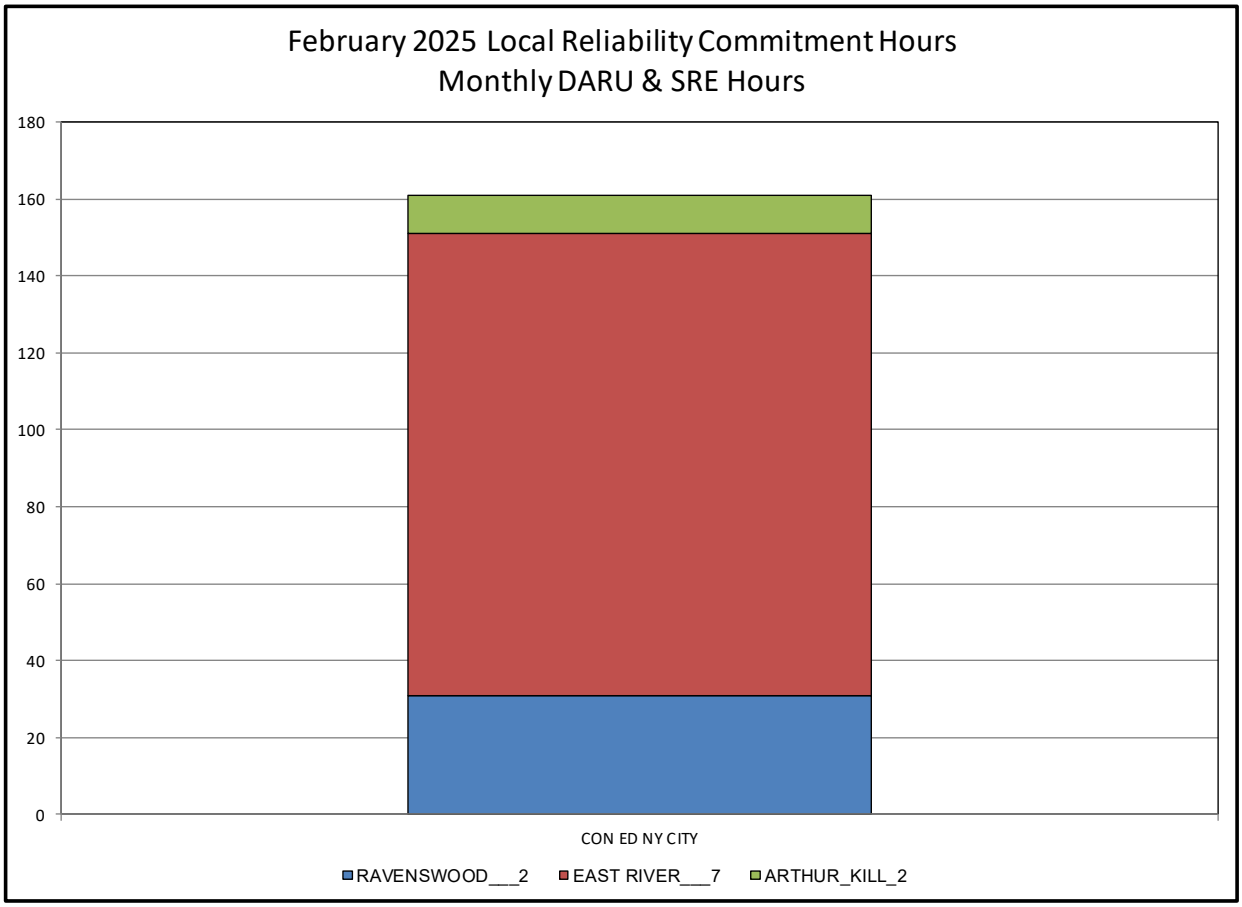
Day-Ahead Market Congestion Residual Categories

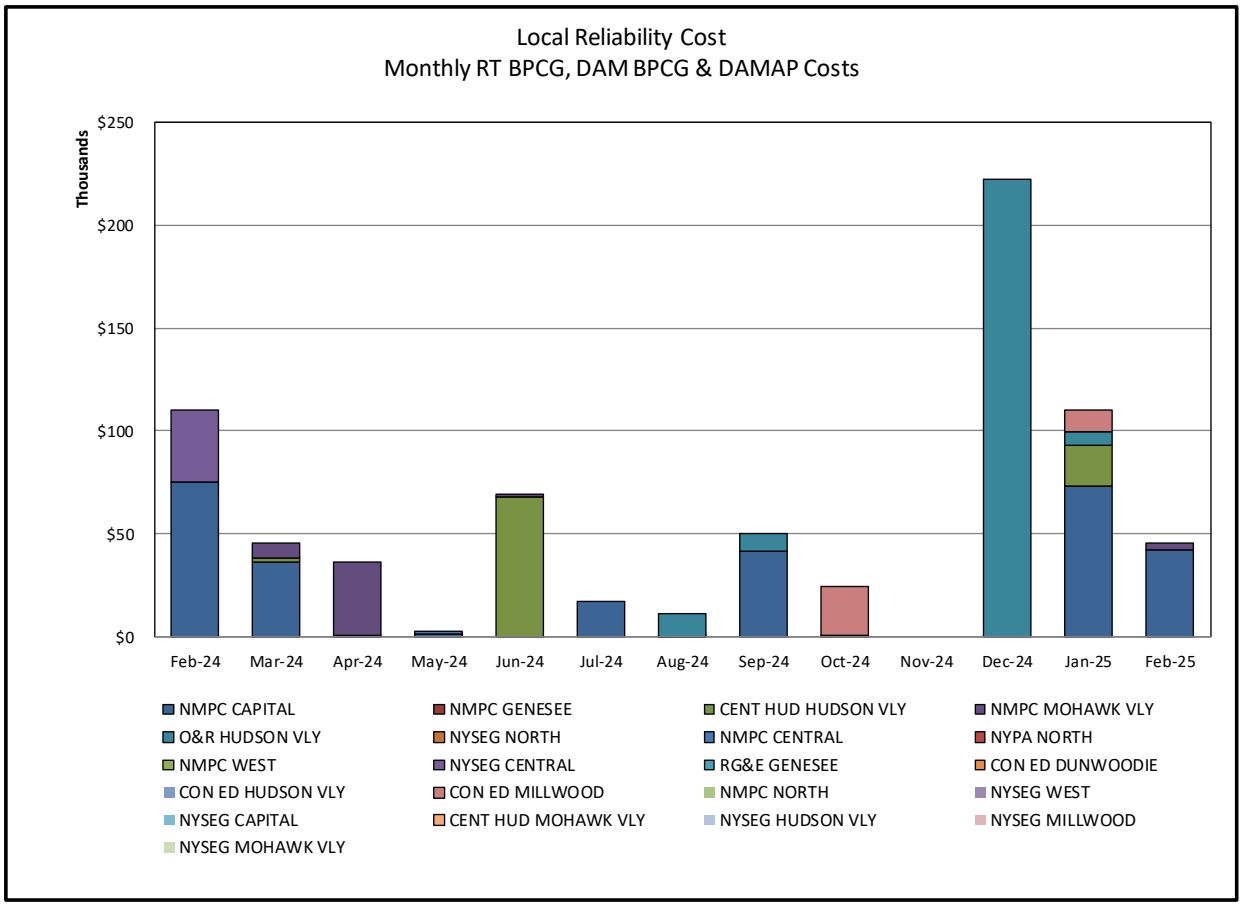
Category	*Cost Assignment*	*Events Types*	*Event Examples*
NYTO Outage Allocation	Responsible TO	Direct allocation to NYTO's responsible for transmission equipment status change.	DAM scheduled outage for equipment modeled in-service for the TCC Auction.
Incremental TCC/External Outage Impacts	All TO 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.	

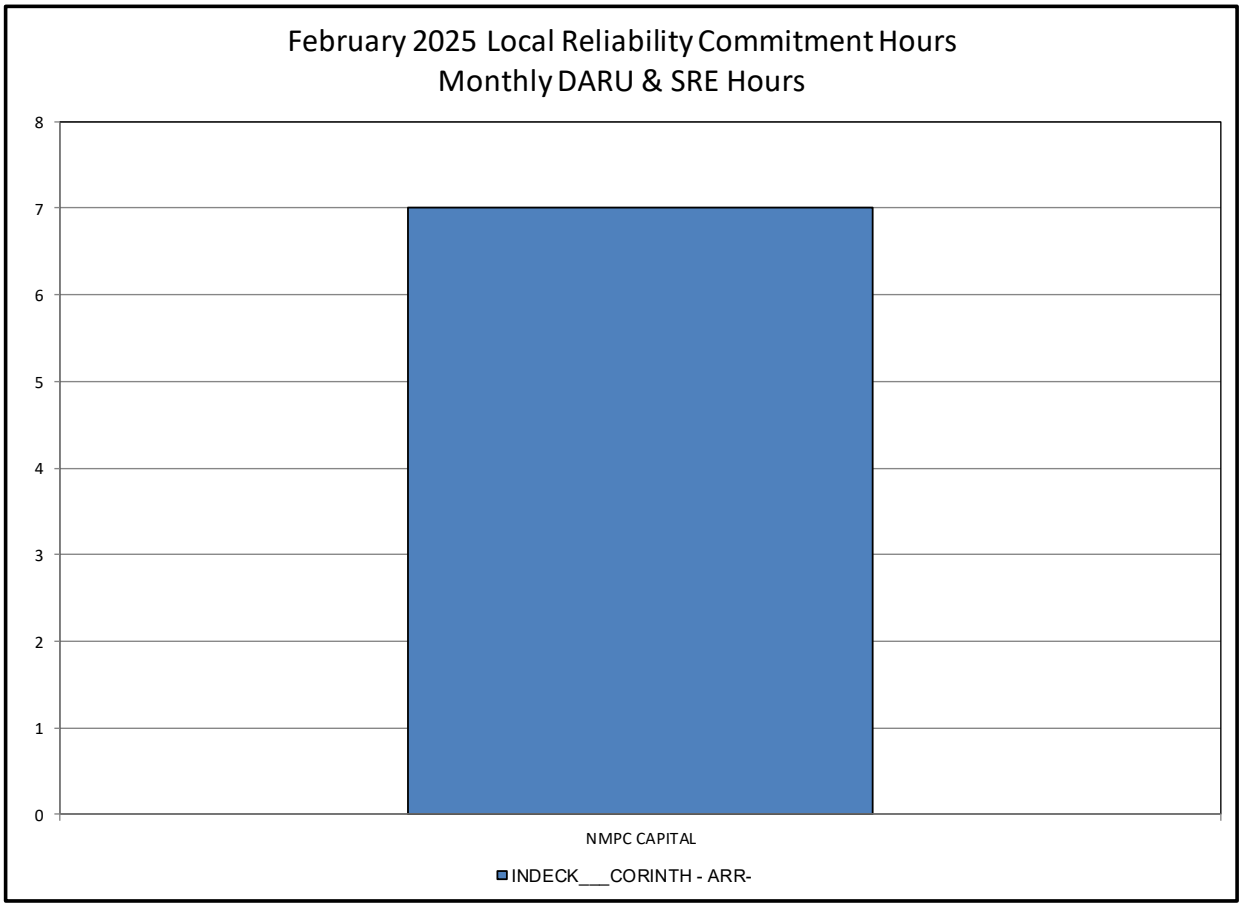

Monthly Power Supplier Uplift Components
Thousands
$16,000
$14,000
$12,000
$10,000
$8,000
$6,000
$4,000
$2,000
$0
Feb-24
Mar-24
Apr-24
May-24
Jun-24
Jul-24
Aug-24
Sep-24
Oct-24
Nov-24
Dec-24
Jan-25
Feb-25
DAM BPCG State-wide
RT BPCG State-wide
DAMAP State-wide
Import DAM BPCG State-wide
Import RT GP State-wide
DAM BPCG Local Reliability
RT BPCG Local Reliability
DAMAP Local Reliability
MOB

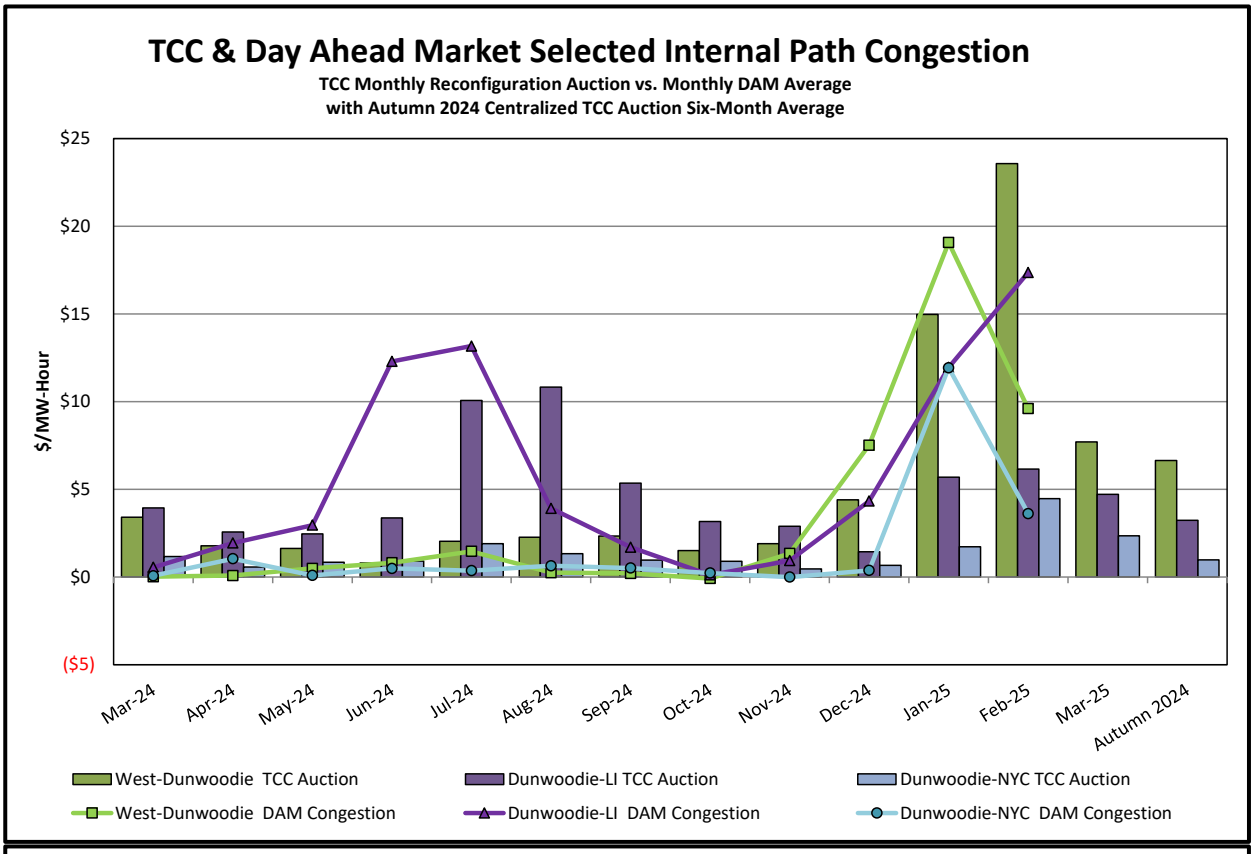

February 2025
Daily Power Supplier Uplift Components
Thousands
$900
$800
$700
$600
$500
$400
$300
$200
$100
$0
01-Feb-25 Sa
02-Feb-25 Su
03-Feb-25 Mo
04-Feb-25 Tu
05-Feb-25 We
06-Feb-25 Th
07-Feb-25 Fr
08-Feb-25 Sa
09-Feb-25 Su
10-Feb-25 Mo
11-Feb-25 Tu
12-Feb-25 We
13-Feb-25 Th
14-Feb-25 Fr
15-Feb-25 Sa
16-Feb-25 Su
17-Feb-25 Mo
18-Feb-25 Tu
19-Feb-25 We
20-Feb-25 Th
21-Feb-25 Fr
22-Feb-25 Sa
23-Feb-25 Su
24-Feb-25 Mo
25-Feb-25 Tu
26-Feb-25 We
27-Feb-25 Th
28-Feb-25 Fr
DAM BPCG State-wide
RT BPCG State-wide
DAMAP State-wide
Import DAM BPCG State-wide
Import RT GP State-wide
DAM BPCG Local Reliability
RT BPCG Local Reliability
DAMAP Local Reliability
MOB

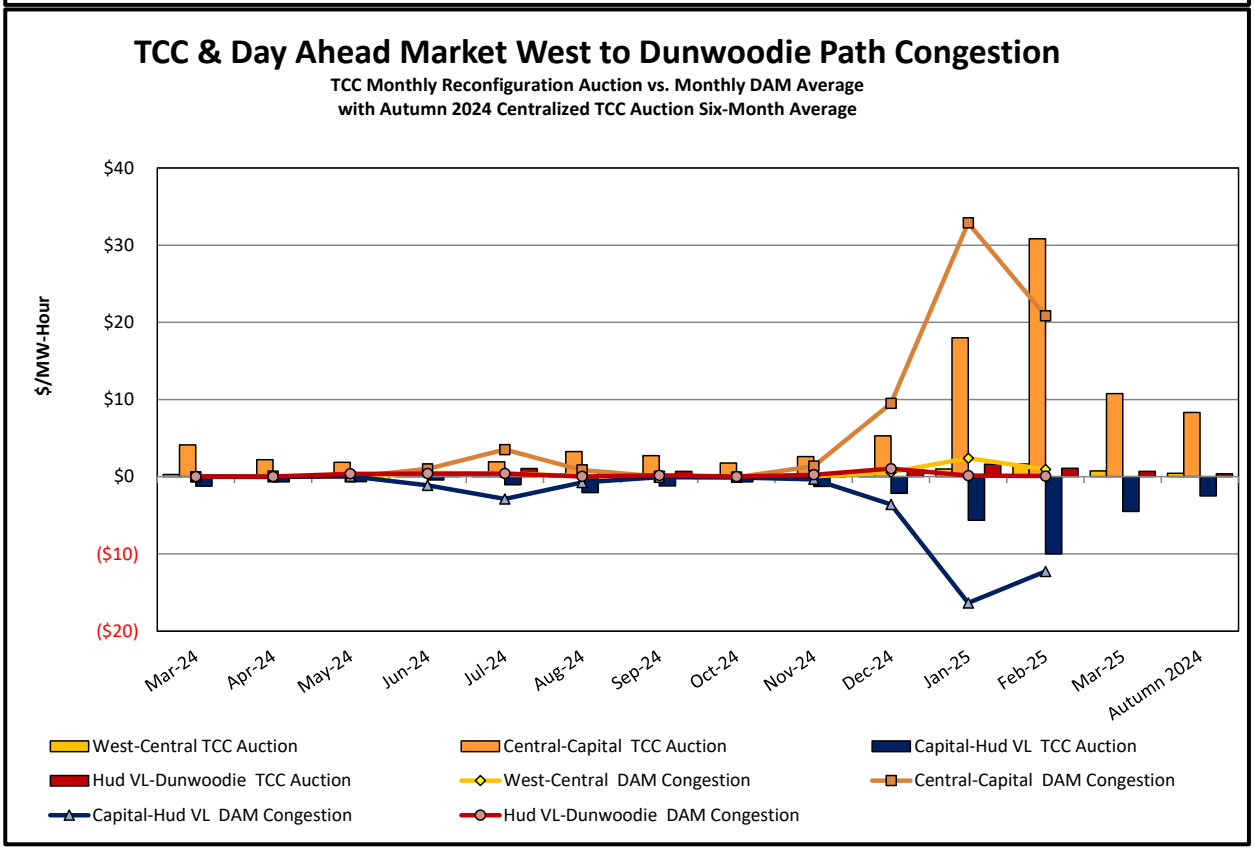

Local Reliability Cost
Monthly RT BPCG, DAM BPCG, DAMAP & Minimum Oil Burn Costs
Thousands
$4,500
$4,000
$3,500
$3,000
$2,500
$2,000
$1,500
$1,000
$500
$0
Feb-24
Mar-24
Apr-24
May-24
Jun-24
Jul-24
Aug-24
Sep-24
Oct-24
Nov-24
Dec-24
Jan-25
Feb-25
CON ED NY CITY
LIPA LONG ISLAND

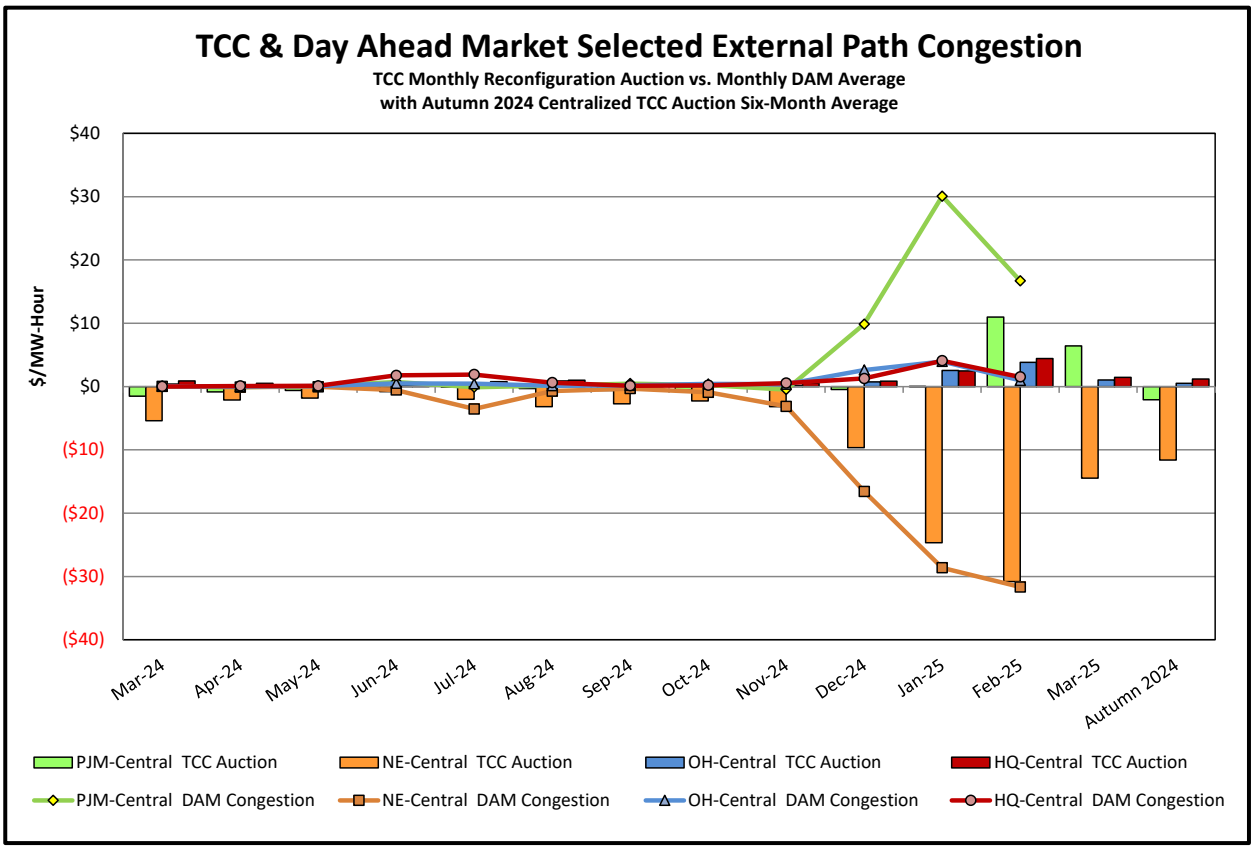

February 2025 Local Reliability Commitment Hours
Monthly DARU & SRE Hours
180
160
140
120
100
80
60
40
20
0
CON ED NY CITY
RAVENSWOOD___2
EAST RIVER___7
ARTHUR_KILL_2

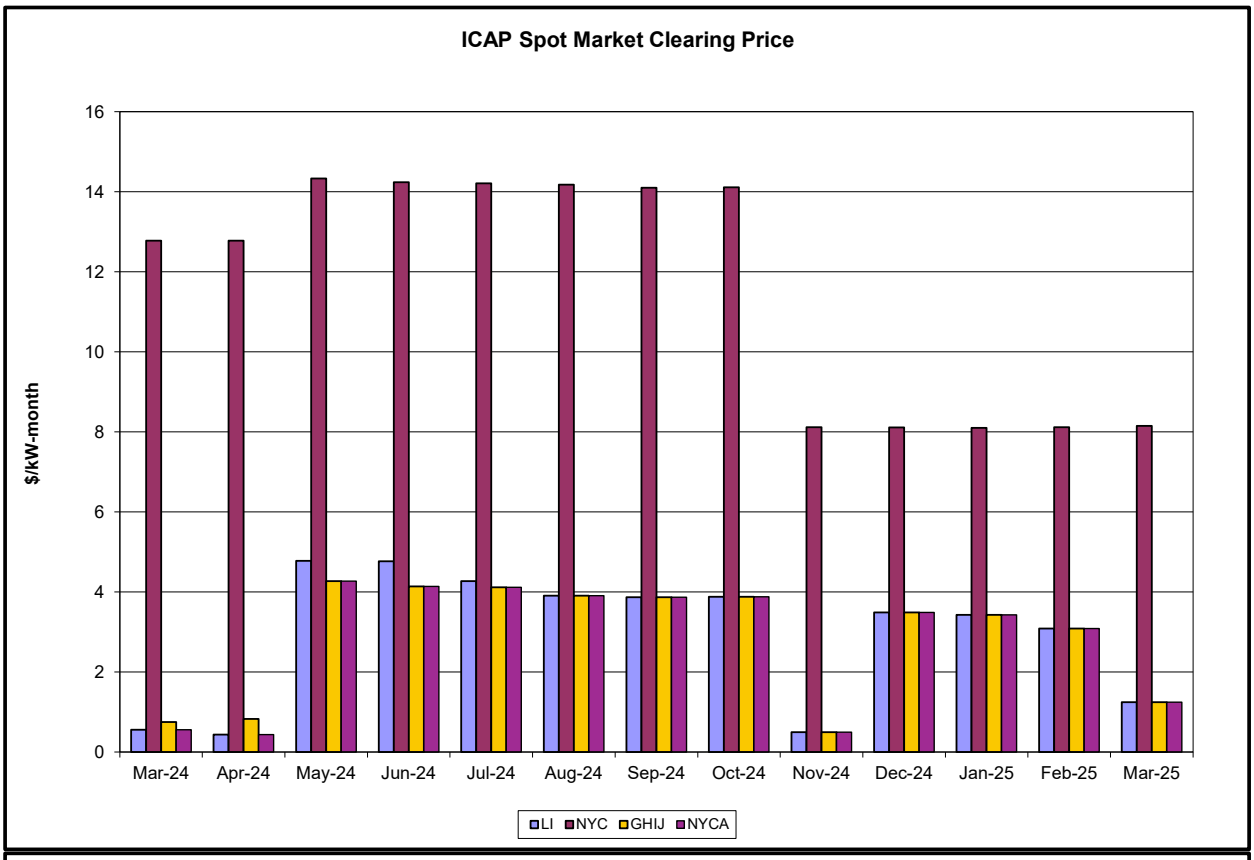

Local Reliability Cost
Monthly RT BPCG, DAM BPCG & DAMAP Costs
Thousands
$250
$200
$150
$100
$50
$0
Feb-24
Mar-24
Apr-24
May-24
Jun-24
Jul-24
Aug-24
Sep-24
Oct-24
Nov-24
Dec-24
Jan-25
Feb-25
NMPC CAPITAL
NMPC GENESEE
CENT HUD HUDSON VLY
NMPC MOHAWK VLY
O&R HUDSON VLY
NYSEG NORTH
NMPC CENTRAL
NYPA NORTH
NMPC WEST
NYSEG CENTRAL
RG&E GENESEE
CON ED DUNWOODIE
CON ED HUDSON VLY
CON ED MILLWOOD
NMPC NORTH
NYSEG WEST
NYSEG CAPITAL
CENT HUD MOHAWK VLY
NYSEG HUDSON VLY
NYSEG MILLWOOD
NYSEG MOHAWK VLY

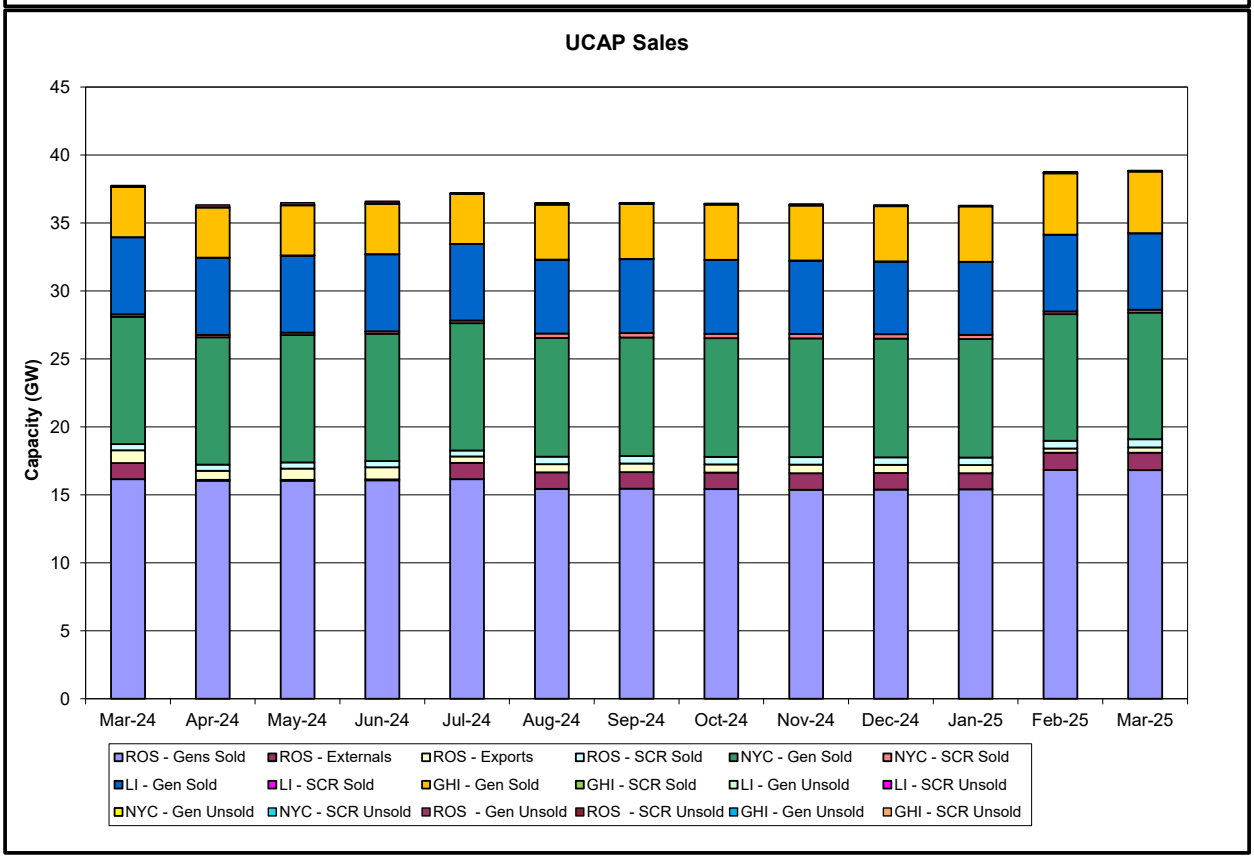

February 2025 Local Reliability Commitment Hours
Monthly DARU & SRE Hours
8
7
6
5
4
3
2
1
0
NMPC CAPITAL
INDECK___CORINTH - ARR-


TCC & Day Ahead Market Selected Internal Path Congestion
TCC Monthly Reconfiguration Auction vs. Monthly DAM Average
with Autumn 2024 Centralized TCC Auction Six-Month Average
$/MW-Hour
$25
$20
$15
$10
$5
$0
($5)
Mar-24
Apr-24
May-24
Jun-24
Jul-24
Aug-24
Sep-24
Oct-24
Nov-24
Dec-24
Jan-25
Feb-25
Mar-25
Autumn 2024
West-Dunwoodie TCC Auction
Dunwoodie-LI TCC Auction
Dunwoodie-NYC TCC Auction
West-Dunwoodie DAM Congestion
Dunwoodie-LI DAM Congestion
Dunwoodie-NYC DAM Congestion


TCC & Day Ahead Market West to Dunwoodie Path Congestion
TCC Monthly Reconfiguration Auction vs. Monthly DAM Average
with Autumn 2024 Centralized TCC Auction Six-Month Average
$/MW-Hour
$40
$30
$20
$10
$0
($10)
($20)
Mar-24
Apr-24
May-24
Jun-24
Jul-24
Aug-24
Sep-24
Oct-24
Nov-24
Dec-24
Jan-25
Feb-25
Mar-25
Autumn 2024
West-Central TCC Auction
Central-Capital TCC Auction
Capital-Hud VL TCC Auction
Hud VL-Dunwoodie TCC Auction
West-Central DAM Congestion
Central-Capital DAM Congestion
Capital-Hud VL DAM Congestion
Hud VL-Dunwoodie DAM Congestion


TCC & Day Ahead Market Selected External Path Congestion
TCC Monthly Reconfiguration Auction vs. Monthly DAM Average
with Autumn 2024 Centralized TCC Auction Six-Month Average
$/MW-Hour
$40
$30
$20
$10
$0
($10)
($20)
($30)
($40)
Mar-24
Apr-24
May-24
Jun-24
Jul-24
Aug-24
Sep-24
Oct-24
Nov-24
Dec-24
Jan-25
Feb-25
Mar-25
Autumn 2024
PJM-Central TCC Auction
NE-Central TCC Auction
OH-Central TCC Auction
HQ-Central TCC Auction
PJM-Central DAM Congestion
NE-Central DAM Congestion
OH-Central DAM Congestion
HQ-Central DAM Congestion


ICAP Spot Market Clearing Price
$/kW-month
16
14
12
10
8
6
4
2
0
Mar-24
Apr-24
May-24
Jun-24
Jul-24
Aug-24
Sep-24
Oct-24
Nov-24
Dec-24
Jan-25
Feb-25
Mar-25
LI
NYC
GHIJ
NYCA


UCAP Sales
Capacity (GW)
45
40
35
30
25
20
15
10
5
0
Mar-24
Apr-24
May-24
Jun-24
Jul-24
Aug-24
Sep-24
Oct-24
Nov-24
Dec-24
Jan-25
Feb-25
Mar-25
ROS - Gens Sold
ROS - Externals
ROS - Exports
ROS - SCR Sold
NYC - Gen Sold
NYC - SCR Sold
LI - Gen Sold
LI - SCR Sold
GHI - Gen Sold
GHI - SCR Sold
LI - Gen Unsold
LI - SCR Unsold
NYC - Gen Unsold
NYC - SCR Unsold
ROS - Gen Unsold
ROS - SCR Unsold
GHI - Gen Unsold
GHI - SCR Unsold