New York ISO
Independent System Operator

NYSRC Fall Forecast Update: Updated 2023 Weather Normalization & Proposed 2024 IRM Forecast

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Load Forecasting Task Force

September 28, 2023

Agenda

- Summary of updates
- 2023 Weather Normalized Peaks Update
- Weather Normalized Coincident Peak Graphs
- Proposed 2024 IRM Forecast
- Advisory 2024 – 2028 Summer Peak Forecast Bands

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Summary of Updates

- NYISO performed additional coincident peak weather normalization analyses
  - Includes consideration of data from high load days in early September
- Inclusion of updated actual load values; and estimated demand response, municipal self generation, large load, and BTM:NG resource load impacts
- Calculation of 2024 NYCA and Locality peak forecasts
- Information submitted by Transmission Owners has been incorporated into the 2023 weather normalized peaks and preliminary 2024 IRM forecast as appropriate:
  - Actual peak load values
  - Coincident and/or non-coincident weather adjustments
  - Coincident and/or non-coincident weather adjusted peaks
  - Updated Regional Load Growth Factors (RLGFs)

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2023 Weather Normalized Peaks

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Summary of 2023 Transmission District Weather Normalization NYCA Coincident Peak

2023 Weather Normalized Coincident Peak Load									
(1)	(2)	(3)	(4)	(5) = (2) + (3) + (4)	(6)	(7) = (5) + (6)	(8)	(9) = (8) - (7)	(10) = (9) / (8) * 100%
Transmission District	2023 Actual CP MW, 7/28/2023 HB 17	Demand Response Estimate MW	Estimated Muni Self-Gen MW	2023 Actual MW, with Estimated DR and Muni Self Gen MW	Weather Adjustment MW	2023 Weather Normalized MW	2023 ICAP Forecast, Prior to BTM:NG Resources MW	Change Relative to ICAP Forecast MW	Percent Change
Con Edison	11,054.4	247.9	0.0	11,302.3	1,225.3	12,527.6	12,700.7	-173.1	-1.4%
Cen Hudson	986.0	0.6	0.0	986.6	61.4	1,048.0	1,031.9	16.1	1.6%
LIPA	4,953.4	17.9	0.0	4,971.3	106.5	5,077.8	4,999.0	78.8	1.6%
Nat. Grid	6,030.5	165.1	60.0	6,255.6	402.4	6,658.0	7,046.0	-388.0	-5.5%
NYPA	484.0	0.0	0.0	484.0	3.5	487.5	503.5	-16.0	-3.2%
NYSEG	2,887.7	37.9	0.0	2,925.6	120.2	3,045.8	3,128.6	-82.8	-2.6%
O&R	974.4	4.0	0.0	978.4	101.3	1,079.7	1,100.9	-21.2	-1.9%
RG&E	1,352.5	0.0	0.0	1,352.5	120.6	1,473.1	1,537.5	-64.4	-4.2%
NYCA	28,722.9	473.4	60.0	29,256.3	2,141.2	31,397.5	32,048.1	-650.6	-2.0%

Notes: Peak load hours are defined by measurements from the NYISO EMS system (PI Historian).
Actual load data is from DSS/TO.
Demand Response, Muni Self-Gen, and Weather Adjustment impacts are estimates; and may be revised for the ICAP Market forecast.

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Summary of 2023 Weather Normalized Locality Peaks

2023 Weather Normalized Locality Peaks												
(1)	(2)	(3)	(4)	(5)	(6) = (3) + (4) + (5)	(7)	(8)	(9) = (7) * (8)	(10) = (9) - (6)	(11)	(12) = (11) - (9)	(13) = (12) / (11) * 100%
	2023 Locality Peak Information					2023 Locality Weather Normalization Calculation						
Locality	Locality Peak Date and Time	Actual Load at Locality Peak Date and Time MW	DR Estimate at Locality Peak Date and Time MW	Estimated Muni Self-Gen MW	2023 Actual MW, with Estimated DR and Muni Self-Gen MW	2023 Weather Normalized Coincident Peak Deamnd MW	NCP to CP Ratio (15 year avg. with outliers removed)	2023 Locality Weather Normalized MW	Locality Weather Adjustment MW	2023 ICAP Market Forecast MW	Change Relative to ICAP Forecast MW	Percent Change
Zones G-to-J	7/27/2023 HB 17	13,588.6	0.0	0.0	13,588.6	15,021.9	1.0142	15,235.2	1,646.6	15,392.7	-157.5	-1.0%
Zone J - NYC	7/27/2023 HB 16	10,064.0	0.0	0.0	10,064.0	10,878.4	1.0225	11,123.2	1,059.2	11,239.4	-116.2	-1.0%
Zone K - LIPA	7/28/2023 HB 17	4,955.6	17.9	0.0	4,973.5	5,077.8	1.0162	5,160.1	186.6	5,081.8	78.3	1.5%

Notes: Peak load hours are defined by measurements from the NYISO EMS system (PI Historian).
Actual load data is from DSS/TO.
Demand Response, Muni Self-Gen, and Weather Adjustment impacts are estimates; and may be revised for the ICAP Market forecast.

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Weather Normalized Coincident Peak Graphs

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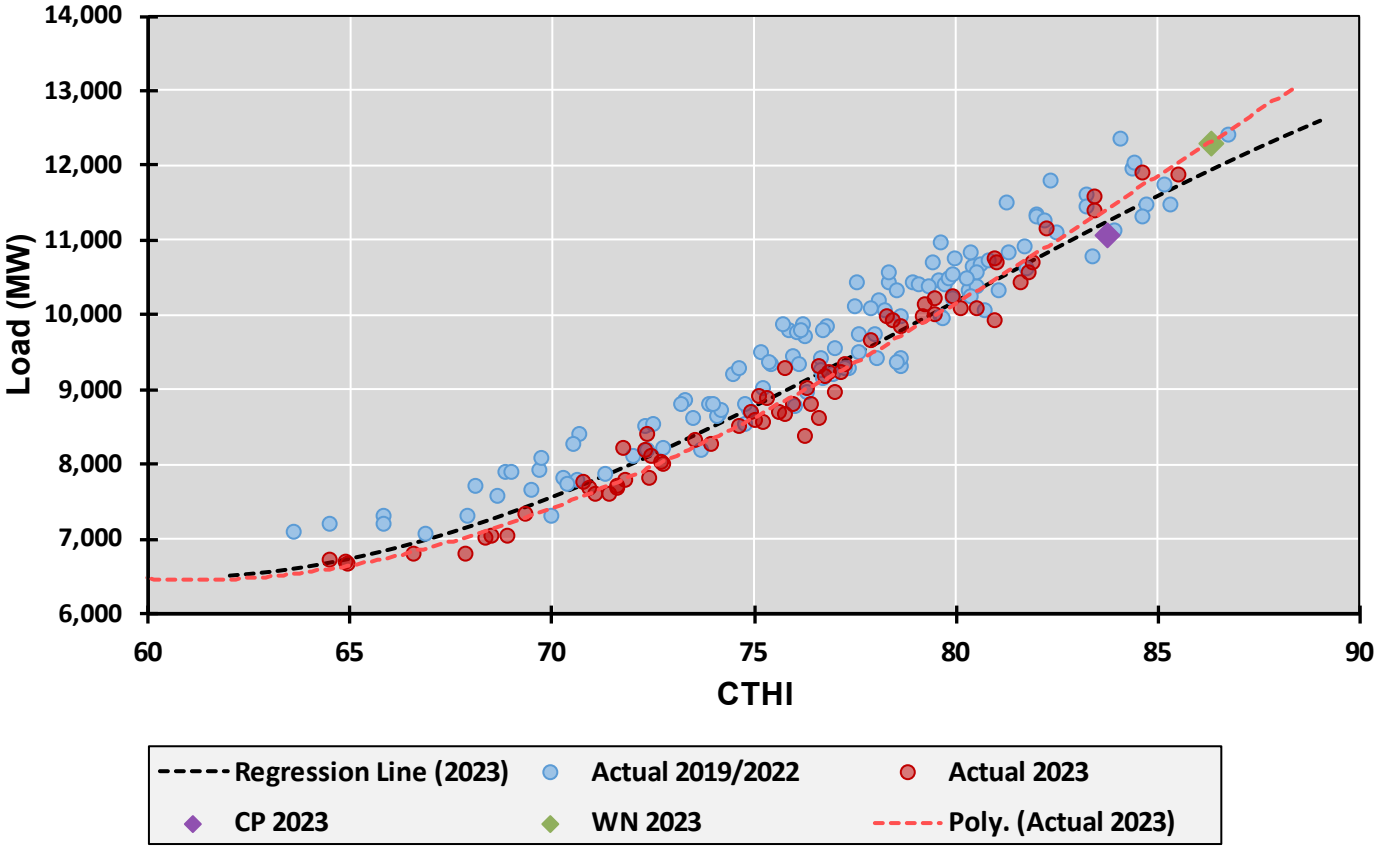
Con Ed Pooled Model



Design condition is 67th percentile.

Purple dot shows 2023 coincident peak.

Green dot shows 2023 weather normalized coincident peak.

Dotted black line shows pooled model fit during 2023 July-Aug design conditions.

Dotted pink line shows simple polynomial fit through 2023 data

Data and values shown are prior to demand response impacts

2023 CP	11,054.4
2023 CTHI	83.73
Design CTHI	86.31
Weather Adj	1,225.3
2023 WN CP	**12,279.7**

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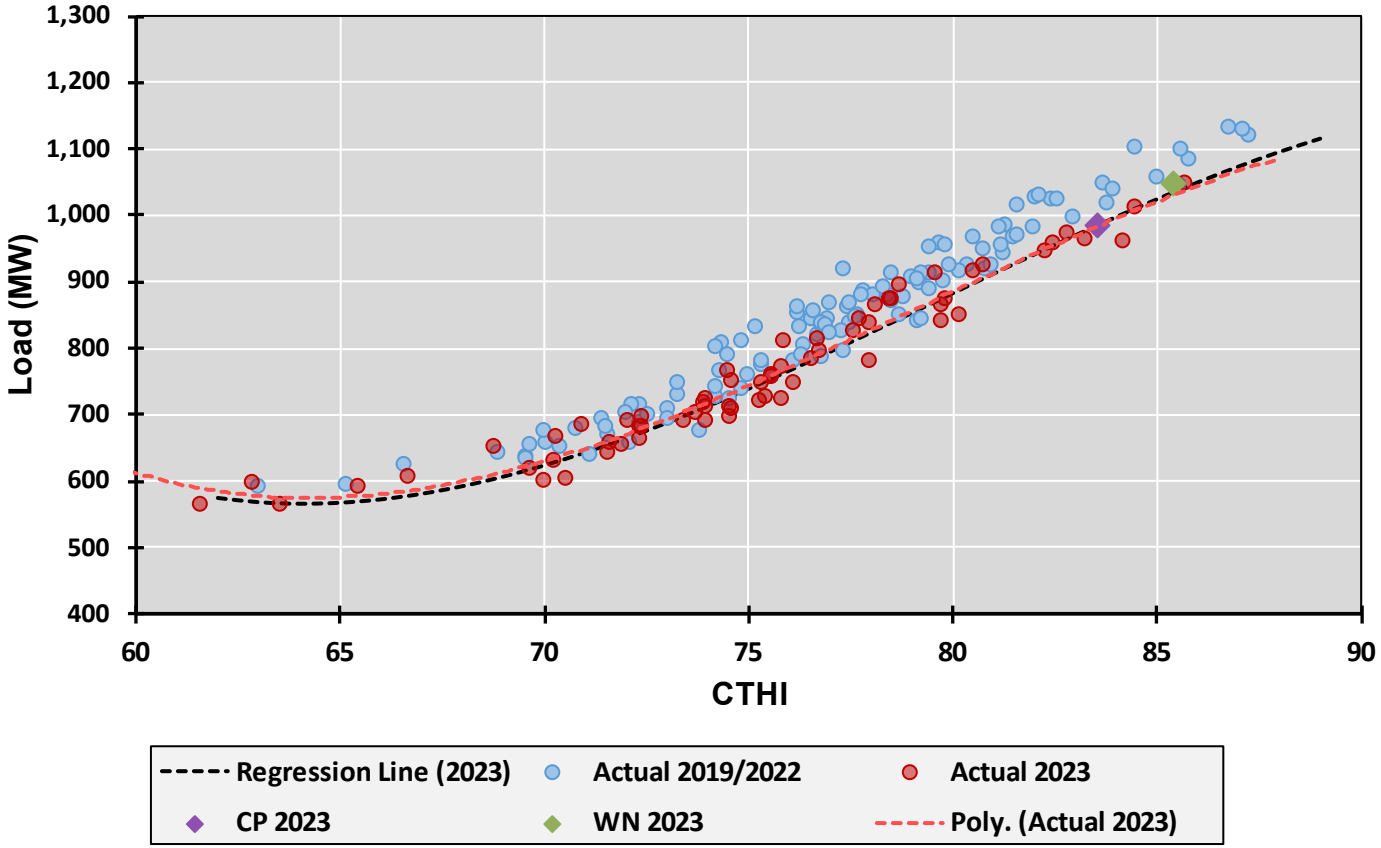
Central Hudson Pooled Model



Design condition is 50th percentile.

Purple dot shows 2023 coincident peak.

Green dot shows 2023 weather normalized coincident peak.

Dotted black line shows pooled model fit during 2023 July-Aug design conditions.

Dotted pink line shows simple polynomial fit through 2023 data

Data and values shown are prior to demand response impacts

2023 CP	986.0
2023 CTHI	83.56
Design CTHI	85.37
Weather Adj	61.4
2023 WN CP	**1,047.4**

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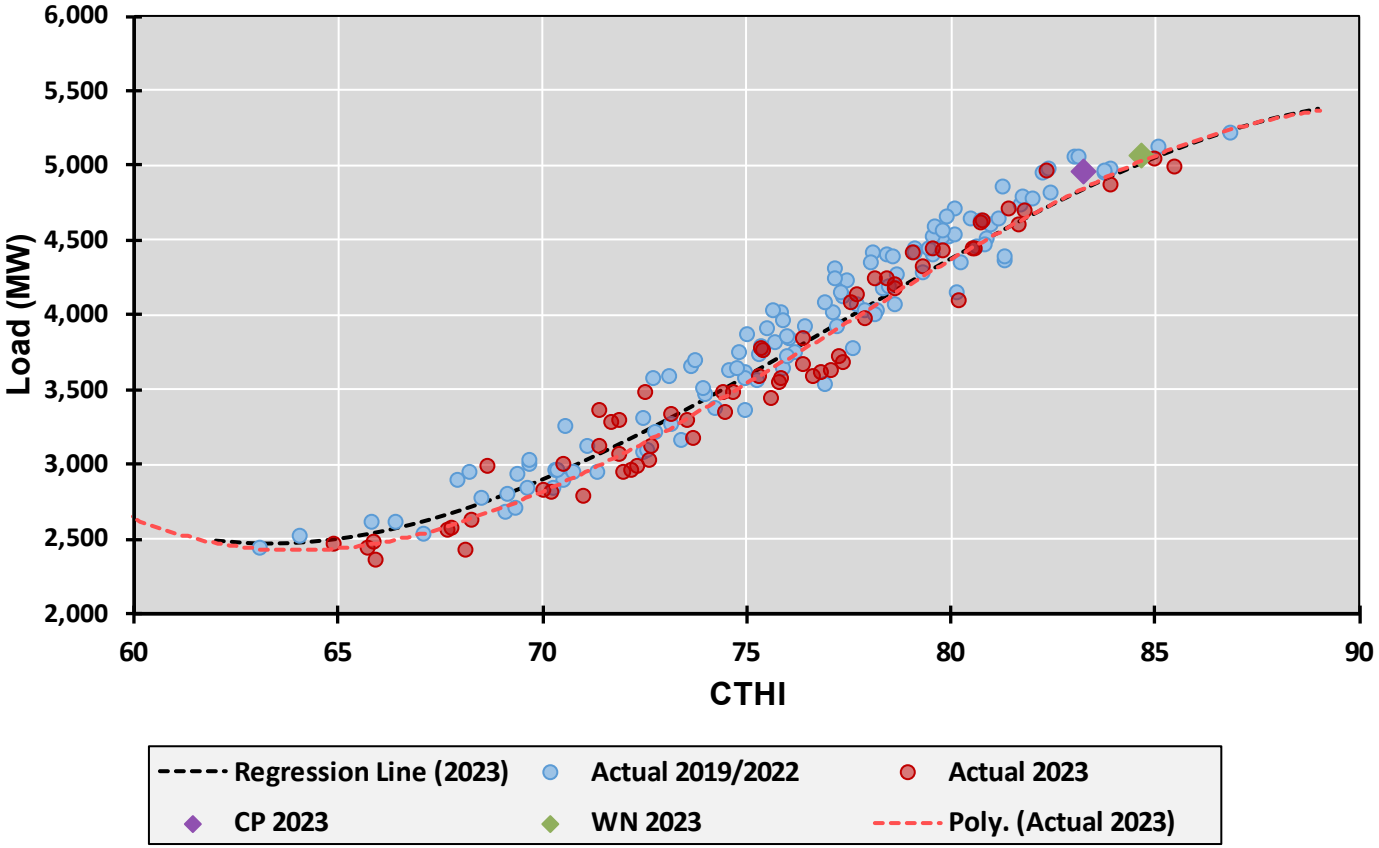
LIPA Pooled Model



Design condition is 50th percentile.

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Green dot shows 2023 weather normalized coincident peak.

Dotted black line shows pooled model fit during 2023 July-Aug design conditions.

Dotted pink line shows simple polynomial fit through 2023 data

Data and values shown are prior to demand response impacts

2023 CP	4,953.4
2023 CTHI	83.22
Design CTHI	84.67
Weather Adj	106.5
2023 WN CP	**5,059.9**

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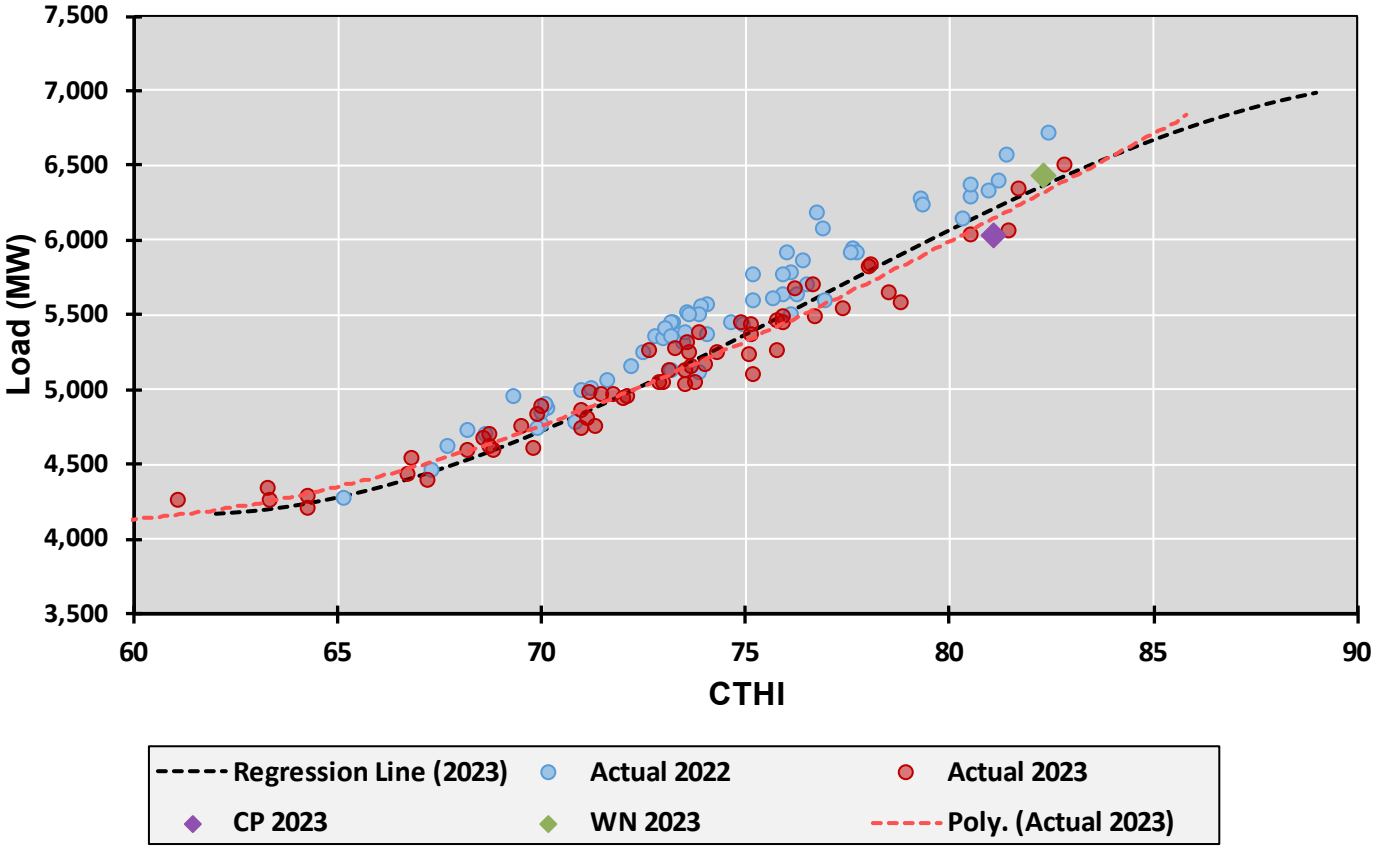
National Grid Pooled Model



Design condition is 50th percentile.

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Green dot shows 2023 weather normalized coincident peak.

Dotted black line shows pooled model fit during 2023 July-Aug design conditions.

Dotted pink line shows simple polynomial fit through 2023 data

Data and values shown are prior to demand response impacts

2023 CP	6,030.5
2023 CTHI	81.10
Design CTHI	82.32
Weather Adj	402.4
2023 WN CP	**6,432.9**

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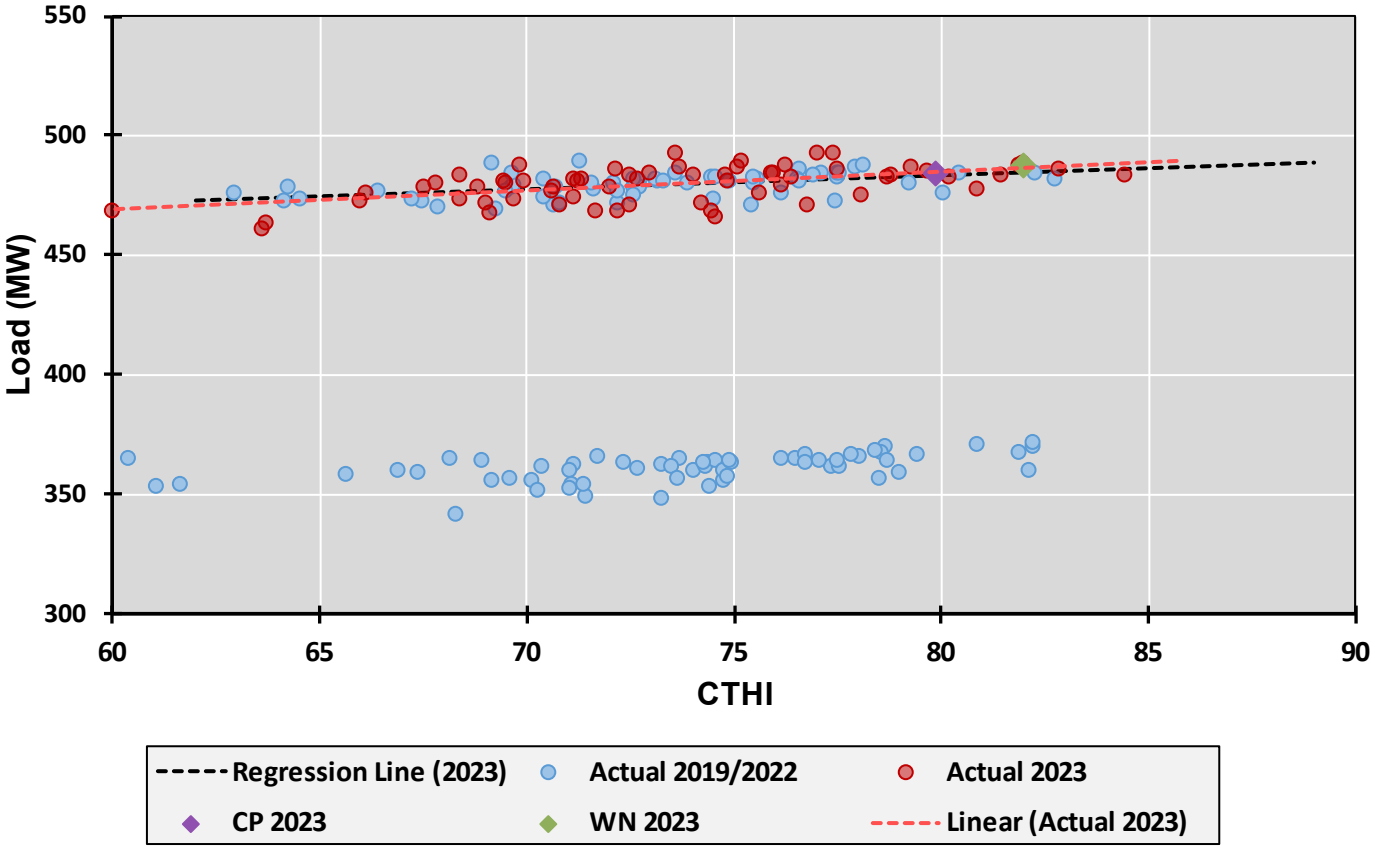
NYPA Pooled Model



Design condition is 50th percentile.

Purple dot shows 2023 coincident peak.

Green dot shows 2023 weather normalized coincident peak.

Dotted black line shows pooled model fit during 2023 July-Aug design conditions.

Dotted pink line shows simple polynomial fit through 2023 data

Data and values shown are prior to demand response impacts

2023 CP	484.0
2023 CTHI	79.84
Design CTHI	81.99
Weather Adj	3.5
2023 WN CP	**487.5**

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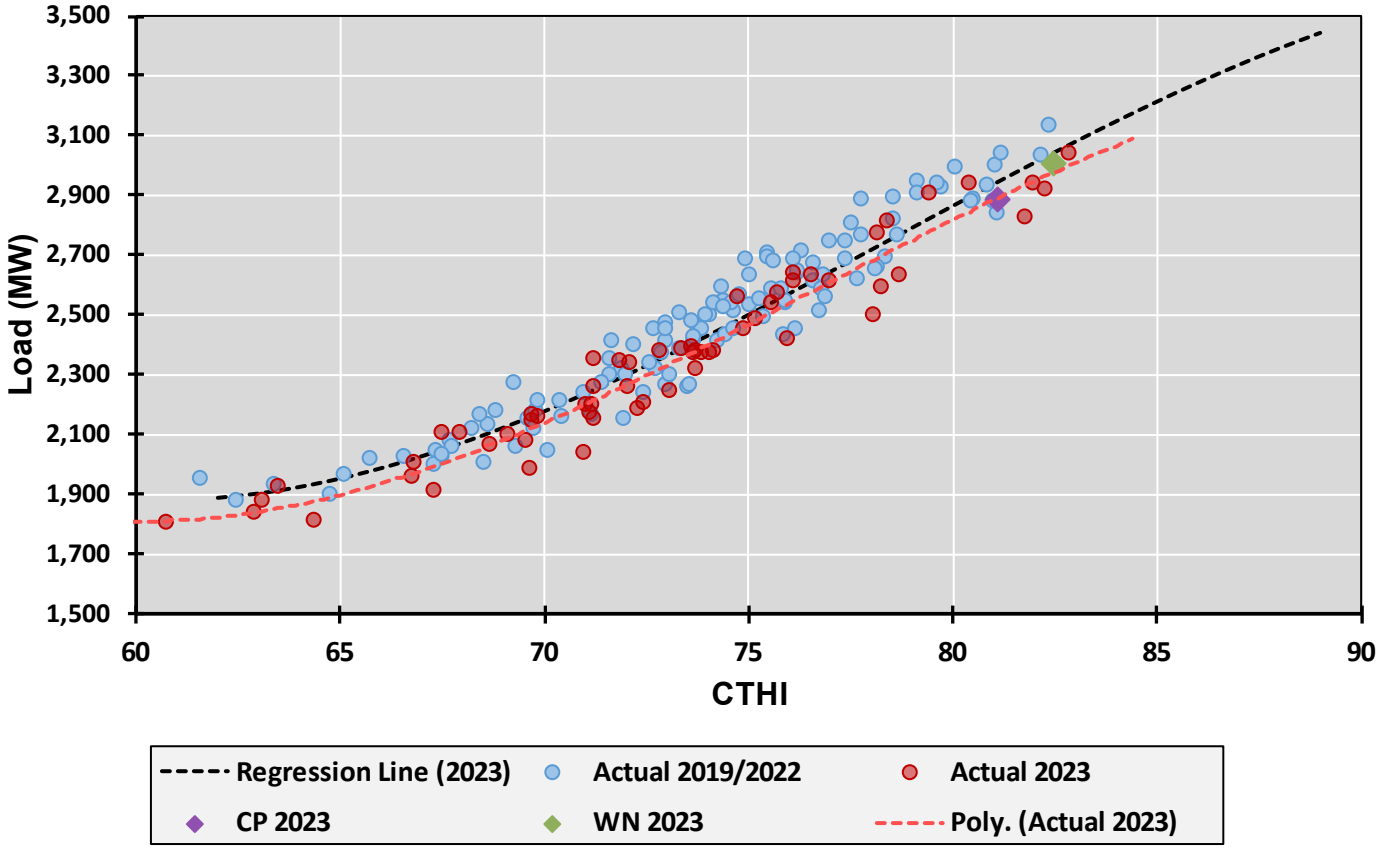
NYSEG Pooled Model



Design condition is 50th percentile.

Purple dot shows 2023 coincident peak.

Green dot shows 2023 weather normalized coincident peak.

Dotted black line shows pooled model fit during 2023 July-Aug design conditions.

Dotted pink line shows simple polynomial fit through 2023 data

Data and values shown are prior to demand response impacts

2023 CP	2,887.7
2023 CTHI	81.11
Design CTHI	82.48
Weather Adj	120.2
2023 WN CP	**3,007.9**

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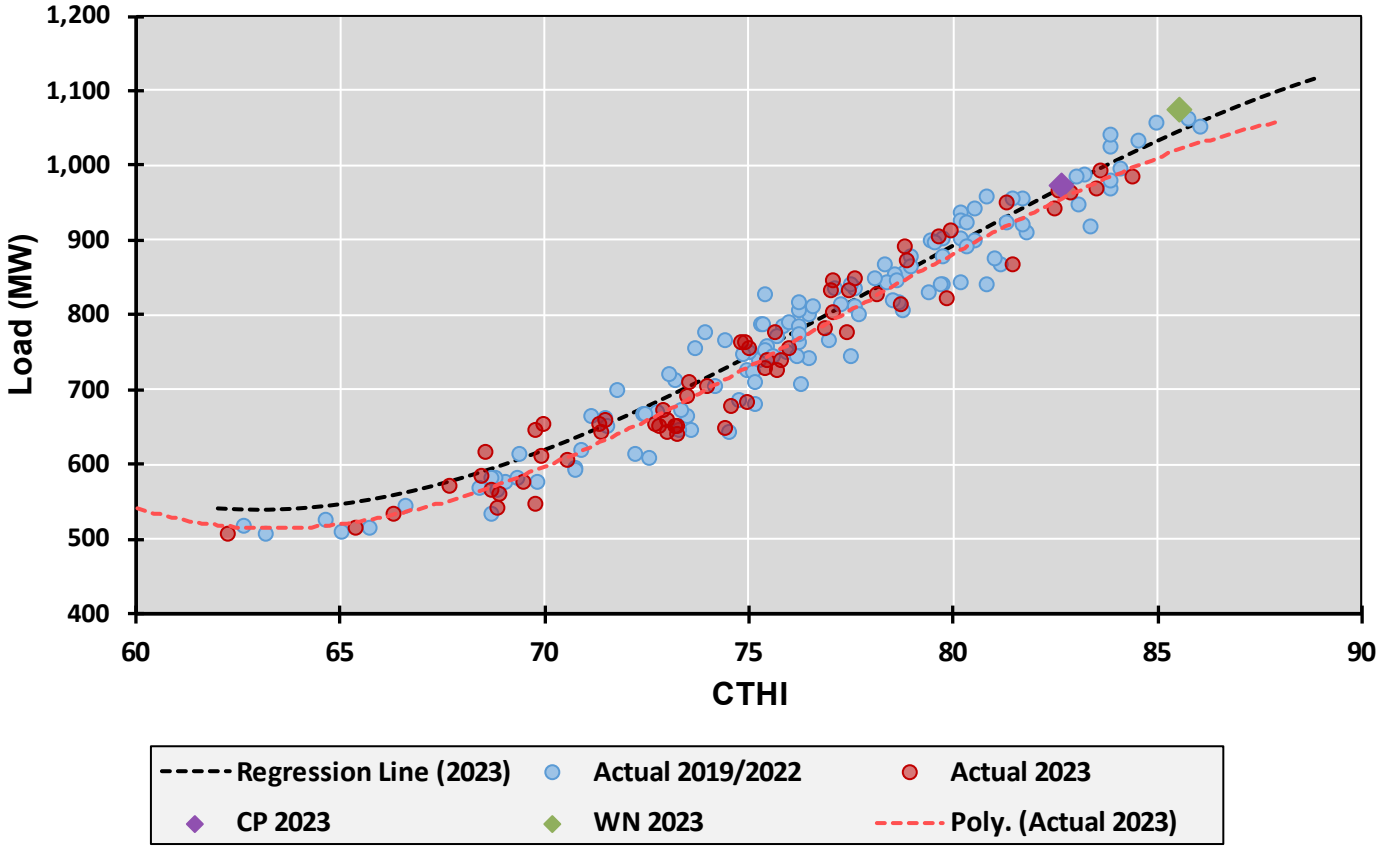
O&R Pooled Model



Design condition is 67th percentile.

Purple dot shows 2023 coincident peak.

Green dot shows 2023 weather normalized coincident peak.

Dotted black line shows pooled model fit during 2023 July-Aug design conditions.

Dotted pink line shows simple polynomial fit through 2023 data

Data and values shown are prior to demand response impacts

2023 CP	974.4
2023 CTHI	82.66
Design CTHI	85.55
Weather Adj	101.3
2023 WN CP	**1,075.7**

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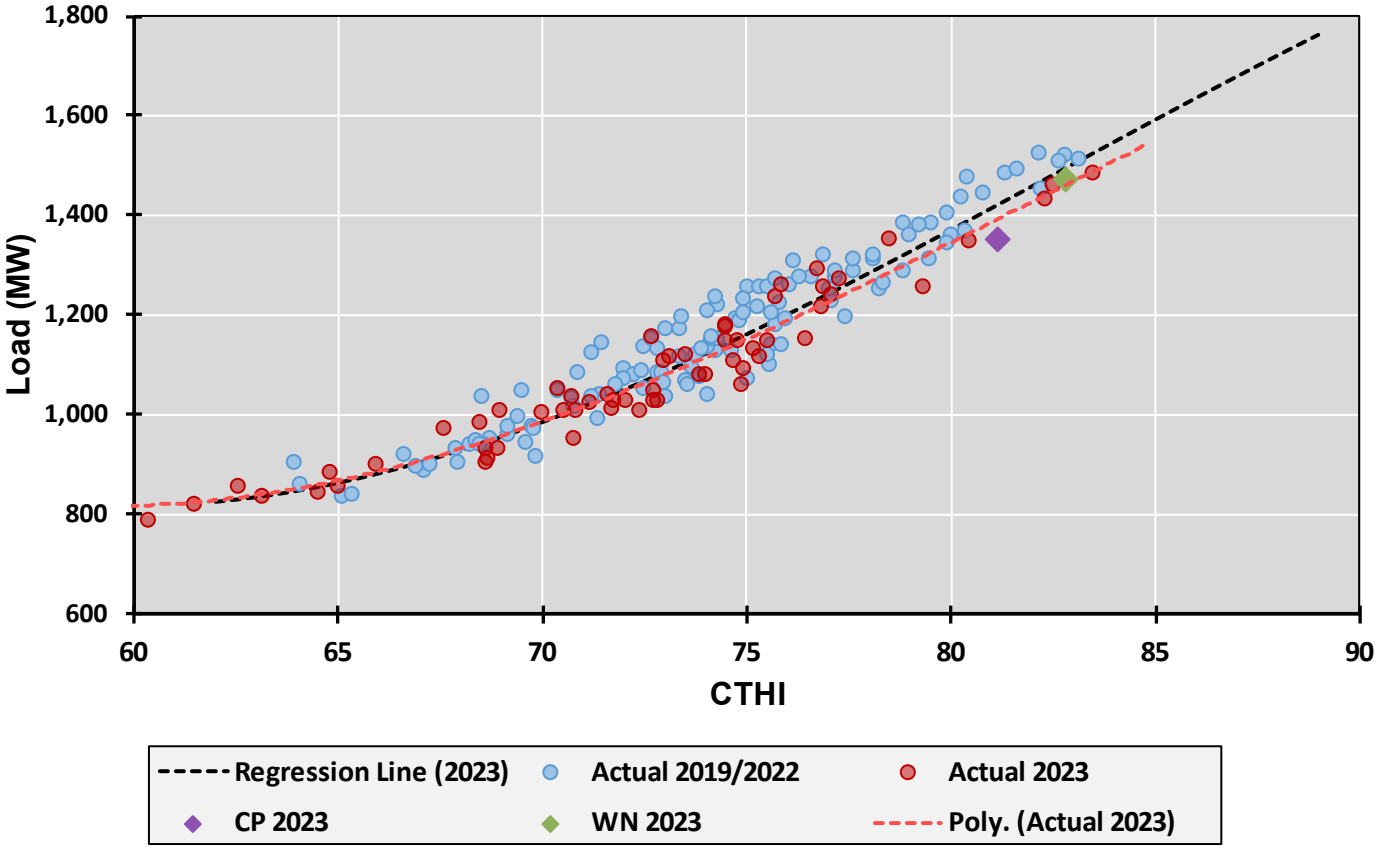
RG&E Pooled Model



Design condition is 50th percentile.

Purple dot shows 2023 coincident peak.

Green dot shows 2023 weather normalized coincident peak.

Dotted black line shows pooled model fit during 2023 July-Aug design conditions.

Dotted pink line shows simple polynomial fit through 2023 data

Data and values shown are prior to demand response impacts

2023 CP	1,352.5
2023 CTHI	81.15
Design CTHI	82.82
Weather Adj	120.6
2023 WN CP	**1,473.1**

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Proposed 2024 IRM Forecast

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Proposed 2024 IRM Forecast - NYCA Coincident Peak

2024 IRM Coincident Peak Forecast										
(1)	(2)	(3)	(4) = (2) + (3)	(5)	(6)	(7) = (5) * (6)	(8)	(9) = (7) + (8)	(10)	(11) = (9) + (10)
Transmission District	2023 Actual MW, 7/28/2023 HB 17	Total Adjustment (Demand Response + Muni Self-Gen + Wthr Adjustment) MW	2023 Weather Normalized Coincident Peak MW	2023 WN Peak MW Excluding Large Loads	Regional Load Growth Factor	2024 Forecast, Before Adjustments MW	Large Loads MW	2024 IRM Forecast, With Large Loads, Before BTM:NG Adjustments MW	BTM:NG Forecast MW	2024 IRM Forecast, With Large Load Growth and BTM:NG Adjustments MW
Con Edison	11,054.4	1,473.2	12,527.6	12,527.6	1.0029	12,563.9	0.0	12,563.9	15.2	12,579.1
Cen Hudson	986.0	62.0	1,048.0	1,048.0	0.9940	1,041.7	0.0	1,041.7	0.0	1,041.7
LIPA	4,953.4	124.4	5,077.8	5,077.8	0.9770	4,961.0	0.0	4,961.0	38.9	4,999.9
Nat. Grid	6,030.5	627.5	6,658.0	6,655.6	1.0000	6,655.6	259.0	6,914.6	5.0	6,919.6
NYPA	484.0	3.5	487.5	335.1	1.0030	336.1	169.0	505.1	0.0	505.1
NYSEG	2,887.7	158.1	3,045.8	3,045.8	0.9979	3,039.4	50.0	3,089.4	44.1	3,133.5
O&R	974.4	105.3	1,079.7	1,079.7	0.9940	1,073.2	0.0	1,073.2	0.0	1,073.2
RG&E	1,352.5	120.6	1,473.1	1,473.1	0.9965	1,467.9	0.0	1,467.9	45.6	1,513.5
NYCA	28,722.9	2,674.6	31,397.5	31,242.7	0.9967	31,138.8	478.0	31,616.8	148.8	31,765.6

2024 Forecast from 2023 Gold Book	32,280.0
Change from 2023 Gold Book	-663.2
Percent Change	-2.1%

Proposed 2024 IRM Forecast - Locality Peaks

2024 IRM Locality Peak Forecasts									
(1)	(2)	(3)	(4)	(5) = (3) * (4)	(6)	(7) = (6) - (5)	(8) = (7) / (6)	(9)	(10) = (8) + (9)
Locality	2023 Locality Peak MW	2023 Weather Normalized Locality Peak MW	Regional Load Growth Factor	2024 IRM Locality Peak Forecast Before BTM:NG Adjustments MW	2024 Forecast from 2023 Gold Book MW	Change from Gold Book Forecast MW	Percent Change from Gold Book Forecast	BTM:NG Forecast MW	Locality Peak Forecast, Including BTM:NG Adjustments MW
Zones G-to-J	13,588.6	15,235.2	1.0015	15,258.3	15,416.0	-157.7	-1.0%	15.2	15,273.5
Zone J - NYC	10,064.0	11,123.2	1.0029	11,155.4	11,280.0	-124.6	-1.1%	15.2	11,170.6
Zone K - LIPA	4,955.6	5,160.1	0.9770	5,041.4	5,049.0	-7.6	-0.2%	38.9	5,080.3

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2023 Weather Adjusted Coincident Peak by Subzone

2023 Weather-Adjusted Coincident Peak, Including Demand Response, Muni Self-Gen, & Large Loads												
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	A	B	C	D	E	F	G	H	I	J	K	Total
Con Ed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	274.2	1,375.0	10,878.4	0.0	12,527.6
Cen Hud	0.0	0.0	0.0	0.0	3.5	0.0	1,044.5	0.0	0.0	0.0	0.0	1,048.0
LIPA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,077.8	5,077.8
Nat Grid	1,925.2	387.1	1,250.7	87.3	883.5	2,124.2	0.0	0.0	0.0	0.0	0.0	6,658.0
NYPA	0.0	0.0	0.0	487.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	487.5
NYSEG	645.1	0.0	1,350.8	100.7	423.8	155.3	19.6	350.5	0.0	0.0	0.0	3,045.8
O&R	0.0	0.0	0.0	0.0	0.0	0.0	1,079.7	0.0	0.0	0.0	0.0	1,079.7
RG&E	0.0	1,473.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,473.1
Total	2,570.3	1,860.2	2,601.5	675.5	1,310.8	2,279.5	2,143.8	624.7	1,375.0	10,878.4	5,077.8	31,397.5

Notes: Con Edison Zone G losses moved to Zone J.
Transmission District actual loads and weather adjustments apportioned to zones using sub-zonal shares presented at 9/11 LFTF.
Sub-zonal demand response, Muni self-gen, and large load estimates are applied independently.

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2024 Forecast Before Large Loads

2024 IRM Coincident Peak Forecast by Transmission District and Zone, Before Large Loads and BTM:NG Adjustments													
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
	A	B	C	D	E	F	G	H	I	J	K	Total	RLGF
Con Ed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	275.0	1,379.0	10,909.9	0.0	12,563.9	1.0029
Cen Hud	0.0	0.0	0.0	0.0	3.5	0.0	1,038.2	0.0	0.0	0.0	0.0	1,041.7	0.9940
LIPA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,961.0	4,961.0	0.9770
Nat Grid	1,922.8	387.1	1,250.7	87.3	883.5	2,124.2	0.0	0.0	0.0	0.0	0.0	6,655.6	1.0000
NYPA	0.0	0.0	0.0	336.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	336.1	1.0030
NYSEG	643.7	0.0	1,347.9	100.5	422.9	155.0	19.6	349.8	0.0	0.0	0.0	3,039.4	0.9979
O&R	0.0	0.0	0.0	0.0	0.0	0.0	1,073.2	0.0	0.0	0.0	0.0	1,073.2	0.9940
RG&E	0.0	1,467.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,467.9	0.9965
Total	2,566.5	1,855.0	2,598.6	523.9	1,309.9	2,279.2	2,131.0	624.8	1,379.0	10,909.9	4,961.0	31,138.8	0.9967

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Large Load Forecast

Large Load Forecast by Transmission District and Zone												
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	A	B	C	D	E	F	G	H	I	J	K	Total
Con Ed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cen Hud	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LIPA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nat Grid	95.0	150.0	2.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	259.0
NYPA	0.0	0.0	0.0	169.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	169.0
NYSEG	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0
O&R	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RG&E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	95.0	150.0	52.0	169.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	478.0

Note: Large Load growth forecast reflects total forecasted 2024 peak load level.
Includes discrete loads not in the NYISO IQ.
These forecasts may be updated for purposes of the ICAP Market forecast.

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2024 Forecast With Large Load Growth, Before BTM:NG Adjustments
NYCA Coincident Peak

2024 IRM Coincident Peak Forecast by Transmission District and Zone, With Large Loads, Before BTM:NG Adjustments												
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	A	B	C	D	E	F	G	H	I	J	K	Total
Con Ed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	275.0	1,379.0	10,909.9	0.0	12,563.9
Cen Hud	0.0	0.0	0.0	0.0	3.5	0.0	1,038.2	0.0	0.0	0.0	0.0	1,041.7
LIPA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,961.0	4,961.0
Nat Grid	2,017.8	537.1	1,252.7	87.3	895.5	2,124.2	0.0	0.0	0.0	0.0	0.0	6,914.6
NYPA	0.0	0.0	0.0	505.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	505.1
NYSEG	643.7	0.0	1,397.9	100.5	422.9	155.0	19.6	349.8	0.0	0.0	0.0	3,089.4
O&R	0.0	0.0	0.0	0.0	0.0	0.0	1,073.2	0.0	0.0	0.0	0.0	1,073.2
RG&E	0.0	1,467.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,467.9
Total	2,661.5	2,005.0	2,650.6	692.9	1,321.9	2,279.2	2,131.0	624.8	1,379.0	10,909.9	4,961.0	31,616.8

New York ISO

2024 Forecast With Large Load Growth, Before BTM:NG Adjustments
Non-Coincident Peaks

2024 IRM Non-Coincident Peak Forecast by Transmission District and Zone, With Large Loads, Before BTM:NG Adjustments											
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	A	B	C	D	E	F	G	H	I	J	K
Con Ed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	281.2	1,410.0	11,155.4	0.0
Cen Hud	0.0	0.0	0.0	0.0	3.6	0.0	1,060.7	0.0	0.0	0.0	0.0
LIPA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,041.4
Nat Grid	2,093.1	549.2	1,286.8	89.6	920.6	2,166.7	0.0	0.0	0.0	0.0	0.0
NYPA	0.0	0.0	0.0	518.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NYSEG	667.7	0.0	1,435.9	103.2	434.7	158.1	20.0	357.7	0.0	0.0	0.0
O&R	0.0	0.0	0.0	0.0	0.0	0.0	1,096.5	0.0	0.0	0.0	0.0
RG&E	0.0	1,501.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	2,760.8	2,050.3	2,722.7	711.5	1,358.9	2,324.8	2,177.2	638.9	1,410.0	11,155.4	5,041.4
NCP/CP Ratio	*1.0373*	*1.0226*	*1.0272*	*1.0269*	*1.0280*	*1.0200*	*1.0217*	*1.0225*	*1.0225*	*1.0225*	*1.0162*

Note: NCP/CP calculations shown in 9/11 LFTF materials.

New York ISO

BTM:NG Resource Load Forecast

2024 IRM BTM:NG Adjustments to Load												
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	A	B	C	D	E	F	G	H	I	J	K	Total
Con Ed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.2	0.0	15.2
Cen Hud	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LIPA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.9	38.9
Nat Grid	3.2	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	5.0
NYPA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NYSEG	0.0	0.0	44.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.1
O&R	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RG&E	0.0	45.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.6
Total	3.2	45.6	44.1	0.0	1.8	0.0	0.0	0.0	0.0	15.2	38.9	148.8

Notes: Further updates to BTM:NG forecast including weather normalization of summer 2023 resource loads will be made for purposes of distribution concurrent with the ICAP Market forecast.

New York ISO

2024 Forecast With Large Load Growth and BTM:NG Adjustments
NYCA Coincident Peak

2024 IRM Coincident Peak Forecast by Transmission District and Zone, With Large Load Growth and BTM:NG Adjustments												
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	A	B	C	D	E	F	G	H	I	J	K	Total
Con Ed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	275.0	1,379.0	10,925.1	0.0	12,579.1
Cen Hud	0.0	0.0	0.0	0.0	3.5	0.0	1,038.2	0.0	0.0	0.0	0.0	1,041.7
LIPA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,999.9	4,999.9
Nat Grid	2,021.0	537.1	1,252.7	87.3	897.3	2,124.2	0.0	0.0	0.0	0.0	0.0	6,919.6
NYPA	0.0	0.0	0.0	505.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	505.1
NYSEG	643.7	0.0	1,442.0	100.5	422.9	155.0	19.6	349.8	0.0	0.0	0.0	3,133.5
O&R	0.0	0.0	0.0	0.0	0.0	0.0	1,073.2	0.0	0.0	0.0	0.0	1,073.2
RG&E	0.0	1,513.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,513.5
Total	2,664.7	2,050.6	2,694.7	692.9	1,323.7	2,279.2	2,131.0	624.8	1,379.0	10,925.1	4,999.9	31,765.6

New York ISO

G-to-J Locality Weather Normalized Peak and 2024 Forecast

2023 Weather-Adjusted G-to-J Locality Peak					
(1)	(2)	(3)	(4)	(5)	(6)
	G	H	I	J	G-to-J Total
Con Ed	0.0	278.1	1,394.5	11,032.9	12,705.5
Cen Hud	1,059.3	0.0	0.0	0.0	1,059.3
LIPA	0.0	0.0	0.0	0.0	0.0
Nat Grid	0.0	0.0	0.0	0.0	0.0
NYPA	0.0	0.0	0.0	0.0	0.0
NYSEG	19.9	355.5	0.0	0.0	375.4
O&R	1,095.0	0.0	0.0	0.0	1,095.0
RG&E	0.0	0.0	0.0	0.0	0.0
Total	2,174.2	633.6	1,394.5	11,032.9	15,235.2
NCP/CP Ratio	*1.0142*	*1.0142*	*1.0142*	*1.0142*	

2024 Peak Forecast for G-to-J Locality Before BTM:NG Adjustments						
(1)	(2)	(3)	(4)	(5)	(7)	(8)
	G	H	I	J	G-to-J Total w/o Adjustments	RLGF
Con Ed	0.0	278.9	1,398.5	11,064.9	12,742.3	*1.0029*
Cen Hud	1,052.9	0.0	0.0	0.0	1,052.9	*0.9940*
LIPA	0.0	0.0	0.0	0.0	0.0	*0.9770*
Nat Grid	0.0	0.0	0.0	0.0	0.0	*1.0000*
NYPA	0.0	0.0	0.0	0.0	0.0	*1.0030*
NYSEG	19.9	354.8	0.0	0.0	374.7	*0.9979*
O&R	1,088.4	0.0	0.0	0.0	1,088.4	*0.9940*
RG&E	0.0	0.0	0.0	0.0	0.0	*0.9965*
Total	2,161.2	633.7	1,398.5	11,064.9	15,258.3	*1.0015*

Note: The G-to-J Locality weather adjusted zonal peaks are obtained by multiplying the weather adjusted coincident peaks (slide 19) by the G-J NCP/CP ratio shown above.

New York ISO

Proposed 2024 IRM Zonal Forecast

2024 IRM Zonal Peak Forecasts Before BTM:NG Adjustments

Zonal Coincident Peak Forecast Before BTM:NG Adjustments											
A	B	C	D	E	F	G	H	I	J	K	NYCA
2,661.5	2,005.0	2,650.6	692.9	1,321.9	2,279.2	2,131.0	624.8	1,379.0	10,909.9	4,961.0	31,616.8

Zonal Non-Coincident Peak Forecasts Before BTM:NG Adjustments										
A	B	C	D	E	F	G	H	I	J	K
2,760.8	2,050.3	2,722.7	711.5	1,358.9	2,324.8	2,177.2	638.9	1,410.0	11,155.4	5,041.4

G-to-J Locality Peak Forecast Before BTM:NG Adjustments											
A	B	C	D	E	F	G	H	I	J	K	G-to-J
						2,161.2	633.7	1,398.5	11,064.9		15,258.3

Note: All forecast values include impacts of large load growth

New York ISO

Proposed 2024 IRM Zonal Forecast (cont.)

2024 IRM Zonal Peak Forecasts With BTM:NG Adjustments

BTM:NG Adjustments to Load

A	B	C	D	E	F	G	H	I	J	K	NYCA
3.2	45.6	44.1		1.8					15.2	38.9	148.8

Zonal Coincident Peak Forecast With BTM:NG Adjustments

A	B	C	D	E	F	G	H	I	J	K	NYCA
2,664.7	2,050.6	2,694.7	692.9	1,323.7	2,279.2	2,131.0	624.8	1,379.0	10,925.1	4,999.9	31,765.6

Zonal Non-Coincident Peak Forecasts With BTM:NG Adjustments

A	B	C	D	E	F	G	H	I	J	K
2,764.0	2,095.9	2,766.8	711.5	1,360.7	2,324.8	2,177.2	638.9	1,410.0	11,170.6	5,080.3

G-to-J Locality Peak Forecast With BTM:NG Adjustments

A	B	C	D	E	F	G	H	I	J	K	G-to-J
						2,161.2	633.7	1,398.5	11,080.1		15,273.5

Note: All forecast values include impacts of large load growth

Advisory 2024 – 2028 Summer Peak Forecast Bands

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2024-28 Advisory Forecast Bands

- NYCA and Zone J summer coincident peak load forecast bands represent the impacts of uncertainties in the underlying forecast drivers
- Base load growth is informed by growth rates from the 2023 Gold Book, along with updated large load projections
- Lower and Higher bands represent uncertainty in the load forecast primarily driven by the economic outlook and rate of electrification
  - **Economic Growth:** Uses Moody's Analytics high and low economic growth scenarios from August 2023 data delivery.
  - **Electrification:** High and low peak demand impacts from electric vehicle adoption and electrification of non-weather sensitive appliances.
- Forecast bands allow for uncertainty in the timing and magnitude of large load growth.

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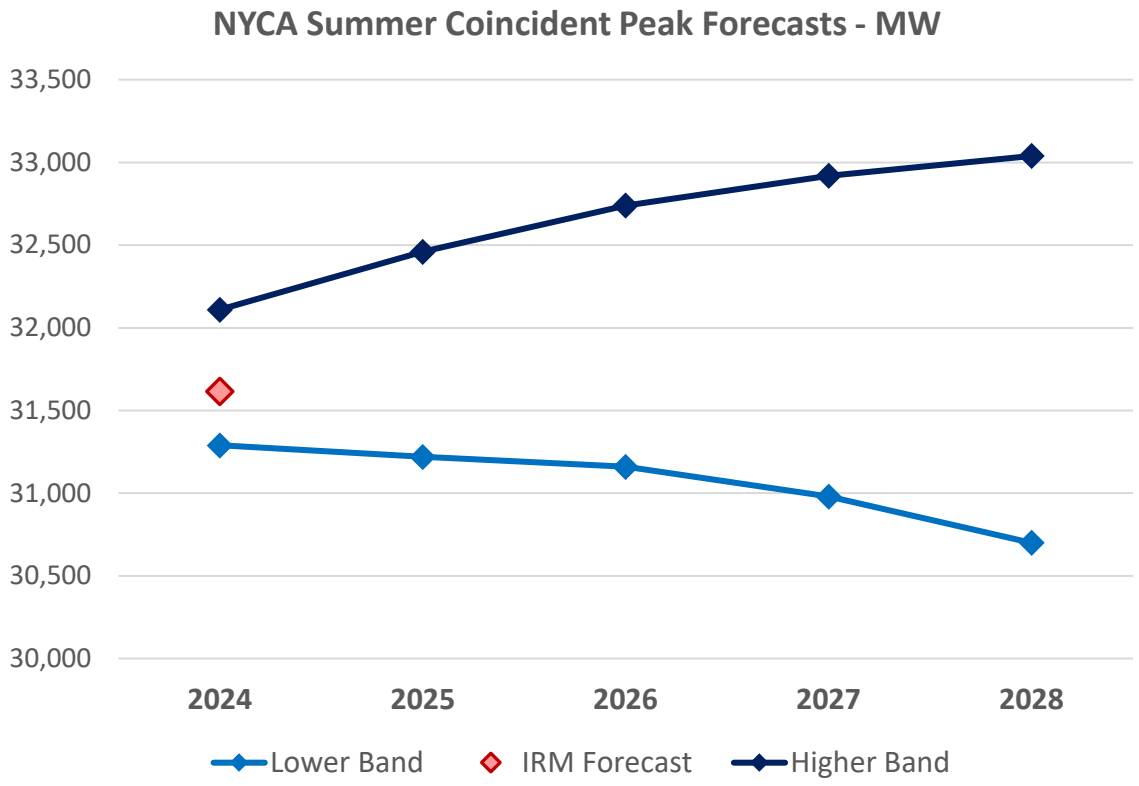
NYCA Advisory Forecast Bands



NYCA Advisory Forecast Bands

Summer Coincident Peak Demand (MW)

Year	Lower Band	IRM Forecast	Higher Band
2024	31,290	*31,617*	32,110
2025	31,220		32,460
2026	31,160		32,740
2027	30,980		32,920
2028	30,700		33,040

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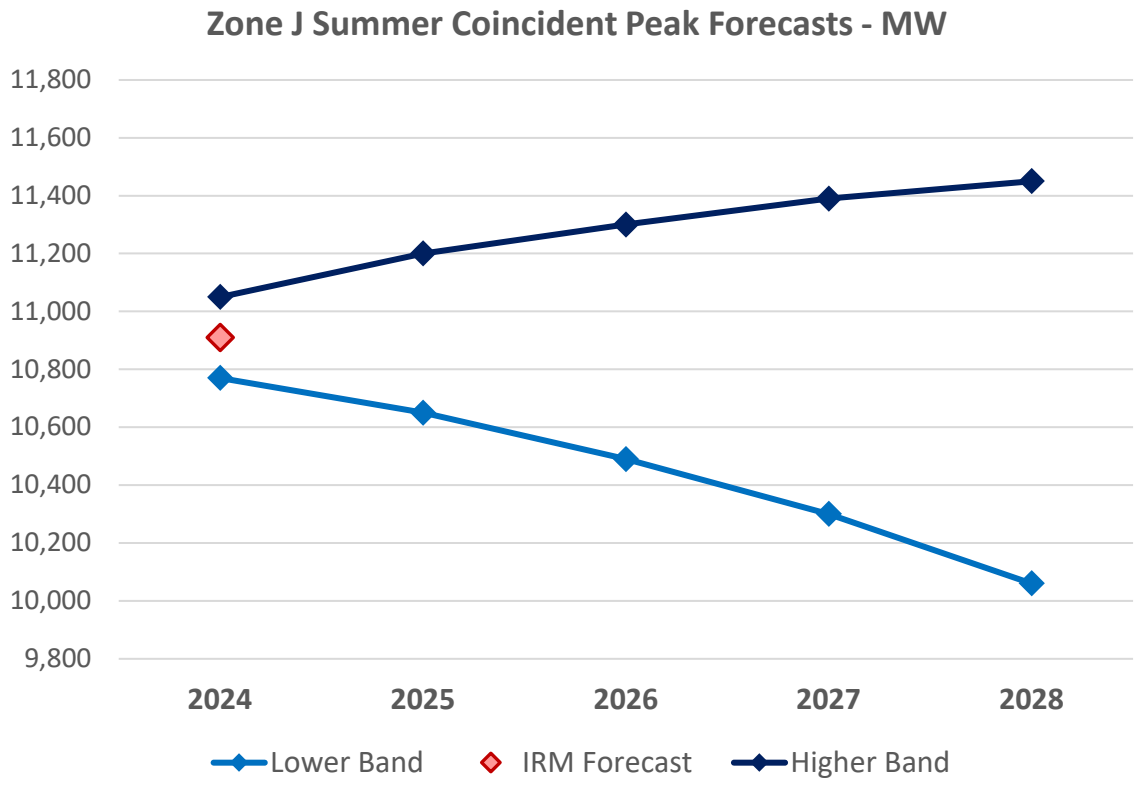
Zone J Advisory Forecast Bands



Zone J Advisory Forecast Bands

Summer Coincident Peak Demand (MW)

Year	Lower Band	IRM Forecast	Higher Band
2024	10,770	*10,910*	11,050
2025	10,650		11,200
2026	10,490		11,300
2027	10,300		11,390
2028	10,060		11,450

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Change in Zone J Forecast

2025 Forecast MW	Zone J Value
2023 Gold Book Higher Demand Policy Scenario	11,220
Advisory Higher Forecast Band Update	11,200
MW Change	-20
Percent Change	-0.2%

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Questions?

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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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