

2024 ICAP Forecast

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Demand Forecasting & Analysis

Load Forecasting Task Force

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Agenda

- **Summary of updates since IRM forecast**
- **2024 Regional Load Growth Factors**
- **Proportional Loss Reallocation**
- **2023 Weather Normalized Peak Load**
- **2024 ICAP Forecast**
- **Forecast Reference Tables**
- **Final ICAP Market Forecast Posting**

Summary of Updates since IRM Forecast

- **Updated peak load hour and weather normalization inputs:**
 - NYCA peak hour load data updates (7/28/2023, hour beginning 17)
 - Municipal load and self generation values
 - Demand Response impacts
 - Weather adjustments
 - National Grid station power deduction
- **Updated BTM:NG Resource data, weather normalization factors (1+WNF), and resulting forecast deductions:**
 - 0.2 MW deduction in Con Ed
 - 0.1 MW deduction in NYSEG
- **Resulting changes to Transmission District 2023 weather normalized coincident peak values relative to the IRM forecast:**
 - Increase: 164 MW in National Grid
 - Decreases: 237 MW in Con Ed, 1 MW in Central Hudson, 2 MW in NYPA, 2 MW in NYSEG, 1 MW in O&R, and 20 MW in RG&E
 - No change in the LIPA weather normalized peak to the nearest MW
 - NYCA Aggregate: 98 MW decrease

Summary of Updates since IRM Forecast

- **Transmission Owner 2024 Regional Load Growth Factor (RLGF) and large load forecast updates relative to the IRM forecast:**
 - Increased RLGFs in Con Ed, LIPA, National Grid, NYSEG, O&R, and RG&E
 - Decreased RLGFs in Central Hudson and NYPA
 - National Grid summer 2024 large load forecast revised from 259 MW in the IRM forecast to 97 MW in the ICAP forecast
 - NYPA summer 2024 large load forecast revised from 169 MW in the IRM forecast to 165 MW in the ICAP forecast
 - NYSEG summer 2024 large load forecast revised from 50 MW in the IRM forecast to 0 MW in the ICAP forecast
- **Updated NYSEG and Con Edison zonal load shares based on Transmission Owner input**
- **Resulting changes in 2024 coincident peak forecast relative to the IRM forecast:**
 - Increases: 2 MW in LIPA and 24 MW in O&R
 - Decreases: 46 MW in Con Ed, 8 MW in Central Hudson, 1 MW in National Grid, 7 MW in NYPA, 26 MW in NYSEG, and 16 MW in RG&E
 - NYCA Coincident Peak Forecast: 76 MW decrease
- **Resulting changes in 2024 locality peak forecasts relative to the IRM forecast:**
 - Zone J Locality: 13 MW increase
 - Zone K Locality: 2 MW increase
 - G-to-J Locality: 38 MW decrease

2024 Regional Load Growth Factors

Transmission District	IRM 1+RLGF	ICAP Forecast 1+RLGF
Con Edison	1.0029	1.0185
Central Hudson	0.9940	0.9869
LIPA	0.9770	0.9775
National Grid	1.0000	1.0012
NYPA	1.0030	1.0000
NYSEG	0.9979	1.0065
O&R	0.9940	1.0172
RG&E	0.9965	0.9994

Note: RLGFs do not include large load growth

Proportional Loss Reallocation

- For the statewide ICAP Market peak load forecast, bulk power system losses are reallocated among the Transmission Districts proportional to their weather normalized peak loads (less losses). Under this approach, bulk power system losses are shared equitably among Transmission Owners according to their share of the total statewide peak load.
- For the ICAP Locality peak forecasts (Zone J, Zone K, and Zones G-to-J), there is no reallocation of bulk power system losses. These forecasts include local (i.e., Transmission District) bulk power system losses as found. This approach provides that the Locality peak forecasts accurately estimate the total load expected in the Locality during the Locality peak hour.
- As supporting material, the 2024 NYCA-Coincident peak load forecast by Transmission District is also presented. This forecast represents the expected coincident peak load by Transmission District and Zone during the hour of the NYCA peak, including local bulk power system losses as found (no loss reallocation). This forecast is analogous to those used for planning studies, the IRM study, and other purposes, and is typically the forecast presented in other NYISO materials (for example, the summer coincident peak forecast in the Gold Book).

2023 Weather Normalized Peak Load

2023 Load Reconciliation		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
7/28/2023, Hour Beginning 5 PM		NYISO DSS Actual MW Data					Transmission District Load Data					
V6 - 12/14/23		Actual Load	BPS Losses	Muni Gen	Load + Losses	Percent Losses	Actual Load Less Losses	Actual Losses	Actual Load With Losses	Weather Adjustments	Demand Response	TOs' W/N MW With DR
Consolidated Edison												
Con-Ed LSE Load							10,910.6	143.6	11,054.2	1,052.4	183.7	12,290.3
Transmission District Load Served							10,910.6	143.6	11,054.2	1,052.4	183.7	12,290.3
Deduction for BTM:NG							0.2	0.0	0.2			
Transmission District Total Load		10,910.8	143.6		11,054.4	1.3%	10,910.8	143.6	11,054.4			
Central Hudson												
Central Hudson LSE Load							954.9	31.1	986.0	61.4	0.0	1,047.4
Transmission District Load Served							954.9	31.1	986.0	61.4	0.0	1,047.4
Deduction for BTM:NG							0.0	0.0	0.0			
Transmission District Total Load		957.1	31.1		988.2	3.1%	954.9	31.1	986.0			
Long Island Power Authority												
LIPA LSE Load							4,672.8	50.9	4,723.7	103.0	11.4	4,838.1
NYPA Load & Greenport Load							128.3	1.4	129.7	2.8	0.0	132.5
Freeport & Rockville Centre Load							103.4	1.1	104.5	2.3	0.0	106.8
Transmission District Load Served							4,904.5	53.4	4,957.9	108.1	11.4	5,077.4
Deduction for BTM:NG							0.0	0.0	0.0			
Transmission District Total Load		4,902.2	53.4	4.5	4,960.1	1.1%	4,904.5	53.4	4,957.9			
National Grid												
National Grid LSE Load							5,378.1	309.9	5,688.0	537.5	165.9	6,391.4
NYPA Load							43.1	2.5	45.6	4.3	0.0	49.9
NYMPA Load							271.0	15.6	286.6	27.1	0.0	313.7
Jamestown Load							58.2	3.4	61.6	5.8	0.0	67.4
Transmission District Load Served							5,750.4	331.4	6,081.8	574.7	165.9	6,822.4
Deduction for BTM:NG							0.0	0.0	0.0			
Transmission District Total Load		5,699.1	331.4	51.3	6,081.8	5.4%	5,750.4	331.4	6,081.8			
Totals		28,086.2	631.5	55.8	28,773.5	2.2%	28,138.6	631.5	28,770.1	2,088.3	440.6	31,299.0

Note: The National Grid load reconciliation reflects the transfer of Green Island Power Authority load to NYPA effective July 2023

2023 Load Reconciliation	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	NYISO DSS Actual MW Data					Transmission District Load Data					
	Actual Load	BPS Losses	Muni Gen	Load + Losses	Percent Losses	Actual Load Less Losses	Actual Losses	Actual Load With Losses	Weather Adjustments	Demand Response	TOs' W/N MW With DR
New York Power Authority						422.9	5.6	428.5	1.5	0.0	430.0
NYPA LSE Load						54.6	0.7	55.3	0.4	0.0	55.7
NYMPA Load						477.5	6.3	483.8	1.9	0.0	485.7
Transmission District Load Served						0.0	0.0	0.0			
Deduction for BTM:NG						477.5	6.3	483.8			
Transmission District Total Load						476.2	6.3	482.5			1.3%
New York State Electric & Gas						2,723.6	41.5	2,765.1	86.4	74.4	2,925.9
NYSEG LSE Load						56.1	0.9	57.0	1.8	0.0	58.8
NYMPA Load						56.5	0.9	57.4	1.8	0.0	59.2
Transmission District Load Served						2,836.2	43.3	2,879.5	90.0	74.4	3,043.9
Deduction for BTM:NG						0.1	0.0	0.1			
Transmission District Total Load						2,836.3	43.3	2,879.6			1.5%
Orange & Rockland Utilities						965.4	9.0	974.4	99.0	5.2	1,078.6
O&R LSE Load						965.4	9.0	974.4	99.0	5.2	1,078.6
Transmission District Load Served						0.0	0.0	0.0			
Deduction for BTM:NG						965.4	9.0	974.4			
Transmission District Total Load						965.4	9.0	974.4			0.9%
Rochester Gas & Electric						1,328.3	13.3	1,341.6	100.0	0.0	1,441.6
RG&E LSE Load						10.8	0.1	10.9	0.8	0.0	11.7
NYMPA Load						1,339.1	13.4	1,352.5	100.8	0.0	1,453.3
Transmission District Load Served						0.0	0.0	0.0			
Deduction for BTM:NG						1,339.1	13.4	1,352.5			
Transmission District Total Load						1,339.1	13.4	1,352.5			1.0%
Totals	28,086.2	631.5	55.8	28,773.5	2.2%	28,138.6	631.5	28,770.1	2,088.3	440.6	31,299.0

2023 Load Reconciliation	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
7/28/2023, Hour Beginning 5 PM	TOs' W/N MW With DR	Reallocation of Losses				Proportional	Adj. W/N	2023	2023	2023 Adj Load	2023 Adj Load
V6 - 12/14/23		W/N Losses	Station Power	Adj. W/N Load Less Losses	Percent Loss Allocation	Allocation of Losses	Load Less Losses	Adjusted Actual Load (MW)	BTM:NG (1 + WNF)	Prior to Loss Adjustment	Prior to Large Loads
Consolidated Edison											
Con-Ed LSE Load	12,290.3	159.7		12,130.6	39.65%	275.8	12,130.6	12,406.4			
Transmission District Load Served	12,290.3	159.7		12,130.6	39.65%	275.8	12,130.6	12,406.4	1.0227	12,290.3	12,406.4
Deduction for BTM:NG											
Transmission District Total Load											
Central Hudson											
Central Hudson LSE Load	1,047.4	33.0		1,014.4	3.32%	23.1	1,014.4	1,037.5			
Transmission District Load Served	1,047.4	33.0		1,014.4	3.32%	23.1	1,014.4	1,037.5	1.0227	1,047.4	1,037.5
Deduction for BTM:NG											
Transmission District Total Load											
Long Island Power Authority											
LIPA LSE Load	4,838.1	52.1		4,786.0	15.64%	108.8	4,786.0	4,894.8			
NYPA Load & Greenport Load	132.5	1.4		131.1	0.43%	3.0	131.1	134.1			
Freeport & Rockville Centre Load	106.8	1.2		105.6	0.35%	2.4	105.6	108.0			
Transmission District Load Served	5,077.4	54.7		5,022.7	16.42%	114.2	5,022.7	5,136.9	1.0351	5,077.4	5,136.9
Deduction for BTM:NG											
Transmission District Total Load											
National Grid											
National Grid LSE Load	6,391.4	347.7	11.4	6,032.3	19.72%	137.2	6,032.3	6,169.5			
NYPA Load	49.9	2.8		47.1	0.15%	1.0	47.1	48.1			
NYMPA Load	313.7	17.5		296.2	0.97%	6.7	296.2	302.9			
Jamestown Load	67.4	3.8		63.6	0.21%	1.5	63.6	65.1			
Transmission District Load Served	6,822.4	371.8	11.4	6,439.2	21.05%	146.4	6,439.2	6,585.6	1.0227	6,811.0	6,583.2
Deduction for BTM:NG											
Transmission District Total Load											
Totals	31,299.0	695.7	11.4	30,591.9	100.00%	695.7	30,591.9	31,287.6	1.0227	31,287.6	31,133.1

Note: The National Grid load reconciliation reflects the transfer of Green Island Power Authority load to NYPA effective July 2023

2023 Load Reconciliation	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
7/28/2023, Hour Beginning 5 PM	TOs' W/N MW With DR	Reallocation of Losses				Proportional	Adj. W/N	2023	2023	2023 Adj Load	2023 Adj Load
V6 - 12/14/23		W/N Losses	Station Power	Adj. W/N Load Less Losses	Percent Loss Allocation	Allocation of Losses	Load Less Losses	Adjusted Actual Load (MW)	BTM:NG (1 + WNF)	Prior to Loss Adjustment	Prior to Large Loads
New York Power Authority											
NYPA LSE Load	430.0	5.6		424.4	1.39%	9.7	424.4	434.1			
NYMPA Load	55.7	0.7		55.0	0.18%	1.3	55.0	56.3			
Transmission District Load Served	485.7	6.3		479.4	1.57%	11.0	479.4	490.4	1.0227	485.7	338.3
Deduction for BTM:NG											
Transmission District Total Load											
New York State Electric & Gas											
NYSEG LSE Load	2,925.9	44.0		2,881.9	9.42%	65.5	2,881.9	2,947.4			
NYPA Load	58.8	0.9		57.9	0.19%	1.3	57.9	59.2			
NYMPA Load	59.2	0.9		58.3	0.19%	1.3	58.3	59.6			
Transmission District Load Served	3,043.9	45.8		2,998.1	9.80%	68.1	2,998.1	3,066.2	1.0260	3,043.9	3,066.2
Deduction for BTM:NG											
Transmission District Total Load											
Orange & Rockland Utilities											
O&R LSE Load	1,078.6	10.0		1,068.6	3.49%	24.3	1,068.6	1,092.9			
Transmission District Load Served	1,078.6	10.0		1,068.6	3.49%	24.3	1,068.6	1,092.9	1.0227	1,078.6	1,092.9
Deduction for BTM:NG											
Transmission District Total Load											
Rochester Gas & Electric											
RG&E LSE Load	1,441.6	14.3		1,427.3	4.67%	32.5	1,427.3	1,459.8			
NYMPA Load	11.7	0.1		11.6	0.04%	0.3	11.6	11.9			
Transmission District Load Served	1,453.3	14.4		1,438.9	4.70%	32.8	1,438.9	1,471.7	1.0423	1,453.3	1,471.7
Deduction for BTM:NG											
Transmission District Total Load											
Totals	31,299.0	695.7	11.4	30,591.9	100.00%	695.7	30,591.9	31,287.6	1.0227	31,287.6	31,133.1

2024 ICAP Forecast

2024 New York Control Area ICAP Market Peak Load Forecast (MW)										
12/14/2023 V6	Transmission Districts	2023 Adjusted Actual Load* (Weather Norm.)	2023 Adj Load Prior to Large Loads*	(1 + Regional Load Growth Factor)	2024 NYCA Peak Load Before Adjustments *	2024 Large Load Forecast	2024 ICAP Market Forecast *	2024 Locality Forecasts ^		
								J Locality	K Locality	G-J Locality
	Consolidated Edison	12,406.4	12,406.4	1.01854	12,636.4	0.0	12,636.4	11,167.9		12,695.8
	Central Hudson	1,037.5	1,037.5	0.98690	1,023.9	0.0	1,023.9			1,044.8
	Long Island Power Authority	4,894.8	4,894.8	0.97747	4,784.5	0.0	4,784.5			
	NYPA & Greenport	134.1	134.1	0.97747	131.1	0.0	131.1			
	Freeport & Rockville Centre	108.0	108.0	0.97747	105.6	0.0	105.6			
	LIPA Total	5,136.9	5,136.9	0.97747	5,021.2	0.0	5,021.2		5,043.4	
	National Grid	6,169.5	6,167.1	1.00120	6,174.5	97.0	6,271.5			
	NYPA	48.1	48.1	1.00120	48.2	0.0	48.2			
	NYMPA	302.9	302.9	1.00120	303.3	0.0	303.3			
	Jamestown	65.1	65.1	1.00120	65.2	0.0	65.2			
	National Grid Total	6,585.6	6,583.2	1.00120	6,591.2	97.0	6,688.2			
	New York Power Authority	434.1	282.0	1.00000	282.0	165.0	447.0			
	NYMPA	56.3	56.3	1.00000	56.3	0.0	56.3			
	NYPA Total	490.4	338.3	1.00000	338.3	165.0	503.3			
	New York State Electric & Gas	2,947.4	2,947.4	1.00649	2,966.5	0.0	2,966.5			
	NYPA	59.2	59.2	1.00649	59.6	0.0	59.6			
	NYMPA	59.6	59.6	1.00649	60.0	0.0	60.0			
	NYSEG Total	3,066.2	3,066.2	1.00649	3,086.1	0.0	3,086.1			366.9
	Orange & Rockland Utilities	1,092.9	1,092.9	1.01724	1,111.7	0.0	1,111.7			1,112.8
	Rochester Gas & Electric	1,459.8	1,459.8	0.99938	1,458.9	0.0	1,458.9			
	NYMPA	11.9	11.9	0.99938	11.9	0.0	11.9			
	RG&E Total	1,471.7	1,471.7	0.99938	1,470.8	0.0	1,470.8			
	Total Load in NYCA or Locality	31,287.6	31,133.1	1.00471	31,279.6	262.0	31,541.6	11,167.9	5,043.4	15,220.3

Notes

* Including Reallocated Bulk Power System Losses

^ No Loss Reallocation

BTM:NG Resource loads are not included in these forecasts

Forecast Reference Tables

2024 New York Control Area Coincident Peak Load Forecast (MW)							
Reference Forecast Without Proportional Loss Reallocation							
12/14/2023 V6	Transmission Districts	2023 Weather Normalized MW Load + Losses ^	2023 WN Load Prior to Large Loads ^	(1 + Regional Load Growth Factor)	2024 NYCA Peak Load Before Adjustments ^	2024 Large Load Forecast	2024 NYCA Coincident Peak Forecast ^
Consolidated Edison		12,290.3	12,290.3	1.01854	12,518.2	0.0	12,518.2
Central Hudson		1,047.4	1,047.4	0.98690	1,033.7	0.0	1,033.7
Long Island Power Authority		4,838.1	4,838.1	0.97747	4,729.1	0.0	4,729.1
NYPA & Greenport		132.5	132.5	0.97747	129.5	0.0	129.5
Freeport & Rockville Centre		106.8	106.8	0.97747	104.4	0.0	104.4
LIPA Total		5,077.4	5,077.4	0.97747	4,963.0	0.0	4,963.0
National Grid		6,380.0	6,377.6	1.00120	6,385.3	97.0	6,482.3
NYPA		49.9	49.9	1.00120	50.0	0.0	50.0
NYMPA		313.7	313.7	1.00120	314.1	0.0	314.1
Jamestown		67.4	67.4	1.00120	67.5	0.0	67.5
National Grid Total		6,811.0	6,808.6	1.00120	6,816.8	97.0	6,913.8
New York Power Authority		430.0	277.9	1.00000	277.9	165.0	442.9
NYMPA		55.7	55.7	1.00000	55.7	0.0	55.7
NYPA Total		485.7	333.6	1.00000	333.6	165.0	498.6
New York State Electric & Gas		2,925.9	2,925.9	1.00649	2,944.9	0.0	2,944.9
NYPA		58.8	58.8	1.00649	59.2	0.0	59.2
NYMPA		59.2	59.2	1.00649	59.6	0.0	59.6
NYSEG Total		3,043.9	3,043.9	1.00649	3,063.7	0.0	3,063.7
Orange & Rockland Utilities		1,078.6	1,078.6	1.01724	1,097.2	0.0	1,097.2
Rochester Gas & Electric		1,441.6	1,441.6	0.99938	1,440.7	0.0	1,440.7
NYMPA		11.7	11.7	0.99938	11.7	0.0	11.7
RG&E Total		1,453.3	1,453.3	0.99938	1,452.4	0.0	1,452.4
NYCA Coincident Peak Load		31,287.6	31,133.1	1.00467	31,278.6	262.0	31,540.6

Notes

^ No Loss Reallocation

BTM:NG Resource loads are not included in these forecasts

The NYCA Coincident Peak forecast differs from the NYCA ICAP Market forecast due to the application of Transmission District RLGFs prior to proportional reallocation of bulk power system losses.

Updated Zonal Load Shares

NYSEG Load Shares

	<i>Zone A</i>	<i>Zone C</i>	<i>Zone D</i>	<i>Zone E</i>	<i>Zone F</i>	<i>Zone G</i>	<i>Zone H</i>
<i>IRM Forecast</i>	20.92%	45.06%	3.27%	13.72%	5.04%	0.64%	11.36%
<i>ICAP Forecast</i>	22.01%	43.60%	3.18%	14.17%	5.23%	0.63%	11.18%

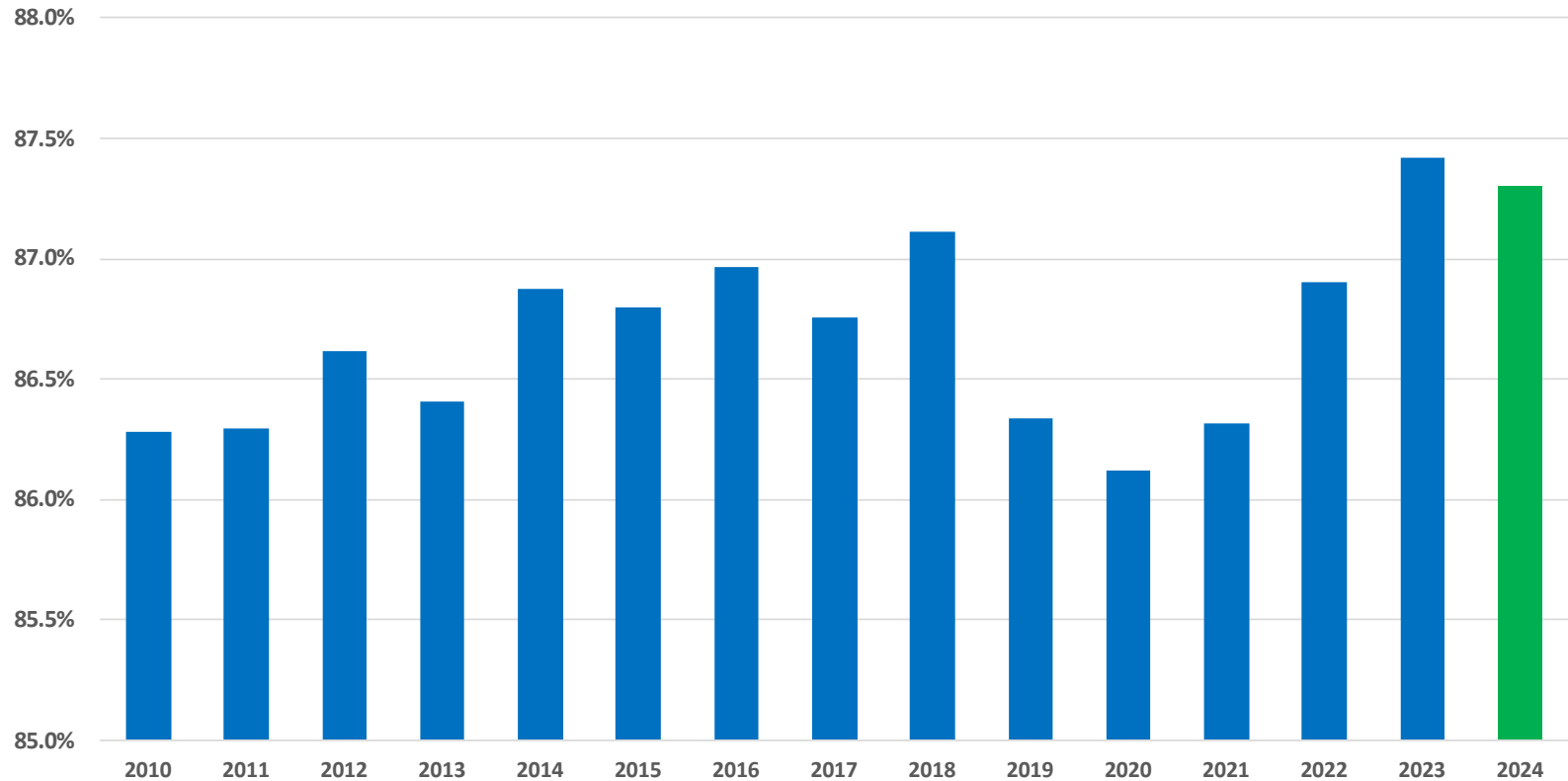
Con Ed Load Shares

	<i>Zone H</i>	<i>Zone I</i>	<i>Zone J</i>
<i>IRM Forecast</i>	2.22%	11.03%	86.75%
<i>ICAP Forecast</i>	2.14%	10.61%	87.25%

IRM shares shown are final forecast shares, using calculated sub-zonal peak load shares presented during the 9/11 LFTF, with sub-zonal demand response impacts applied directly by zone.

ICAP forecast shares shown reflect updated information Transmission Owners.

Zone J Load Share Within Con Ed - NYCA Summer Peak Day & 2024 Forecast



Historical load shares are from the NYCA maximum load hour across the entire summer.

(1) 2023 Actual Coincident Peak in G to J Locality

7/28/2023, HB 17

Transmission District	G	H	I	J	G-to-J Total
Con Edison		236.2	1,181.3	9,636.9	11,054.4
Cen Hudson	984.2				984.2
LIPA					
Nat. Grid					
NYPA					
NYSEG	15.6	322.3			337.9
O&R	974.4				974.4
RG&E					
Total	1,974.2	558.5	1,181.3	9,636.9	13,350.9

(3) 2023 Weather-Adjusted Locality Peak for G-to-J

Transmission District	G	H	I	J	G-to-J Total
Con Edison		266.3	1,322.9	10,875.6	12,464.8
Cen Hudson	1,058.7				1,058.7
LIPA					
Nat. Grid					
NYPA					
NYSEG	19.5	345.1			364.6
O&R	1,093.9				1,093.9
RG&E					
Total	2,172.1	611.4	1,322.9	10,875.6	14,982.0
NCP/CP ratio	1.0142	1.0142	1.0142	1.0142	

(2) 2023 Weather-Adjusted Coincident Peak in G to J Locality

Transmission District	G	H	I	J	G-to-J Total
Con Edison		262.6	1,304.4	10,723.3	12,290.3
Cen Hudson	1,043.9				1,043.9
LIPA					
Nat. Grid					
NYPA					
NYSEG	19.2	340.3			359.5
O&R	1,078.6				1,078.6
RG&E					
Total	2,141.7	602.9	1,304.4	10,723.3	14,772.3

(4) 2024 Peak Forecast for G-to-J Locality

Prior to BTM:NG Resources

Transmission District	G	H	I	J	G-to-J Total	RLGF
Con Edison		271.2	1,347.4	11,077.2	12,695.8	1.0185
Cen Hudson	1,044.8				1,044.8	0.9869
LIPA						
Nat. Grid						
NYPA						
NYSEG	19.6	347.3			366.9	1.0065
O&R	1,112.8				1,112.8	1.0172
RG&E						
Total	2,177.2	618.5	1,347.4	11,077.2	15,220.3	1.0159

No Loss Reallocation

Zone J and K Locality Peaks, Prior to BTM:NG Resources

Locality	2023 Locality Peak Actual Load	Municipal Self-Generation	Demand Response	2023 Locality Peak Total Load	Locality Weather Adjustment
Zone J Locality	10,064.0	0.0	6.4	10,070.4	894.2
Zone K Locality	4,957.9	4.5	11.4	4,973.8	185.9

Locality	2023 Weather Adjusted Coincident Peak	Locality NCP to CP Ratio	2023 Locality Weather Adjusted Peak	Regional Load Growth Factor	2024 Locality Forecast
Zone J Locality	10,723.3	1.0225	10,964.6	1.0185	11,167.9
Zone K Locality	5,077.4	1.0162	5,159.7	0.9775	5,043.4

No Loss Reallocation

2023 Weather-Normalized Coincident Peak Loads by Transmission District and Zone, Prior to Proportional Allocation of Losses

	A	B	C	D	E	F	G	H	I	J	K	Total
Con Edison								262.6	1,304.4	10,723.3		12,290.3
Cen Hudson					3.5		1,043.9					1,047.4
LIPA											5,077.4	5,077.4
Nat. Grid	1,972.3	405.3	1,282.6	90.1	896.5	2,164.2						6,811.0
NYPA				485.7								485.7
NYSEG	670.0		1,327.1	96.8	431.3	159.2	19.2	340.3				3,043.9
O&R							1,078.6					1,078.6
RG&E		1,453.3										1,453.3
Total	2,642.3	1,858.6	2,609.7	672.6	1,331.3	2,323.4	2,141.7	602.9	1,304.4	10,723.3	5,077.4	31,287.6

Includes station power deduction (National Grid Zone F).

2023 Weather-Normalized Coincident Peak Load, Prior to Proportional Allocation of Losses and Large Loads

	A	B	C	D	E	F	G	H	I	J	K	Total
Con Edison								262.6	1,304.4	10,723.3		12,290.3
Cen Hudson					3.5		1,043.9					1,047.4
LIPA											5,077.4	5,077.4
Nat. Grid	1,969.9	405.3	1,282.6	90.1	896.5	2,164.2						6,808.6
NYPA				333.6								333.6
NYSEG	670.0		1,327.1	96.8	431.3	159.2	19.2	340.3				3,043.9
O&R							1,078.6					1,078.6
RG&E		1,453.3										1,453.3
Total	2,639.9	1,858.6	2,609.7	520.5	1,331.3	2,323.4	2,141.7	602.9	1,304.4	10,723.3	5,077.4	31,133.1

Includes station power deduction (National Grid Zone F).

2024 Coincident Peak Forecast, Prior to Large Loads and BTM:NG Resources

	A	B	C	D	E	F	G	H	I	J	K	Total	RLGF
Con Edison								267.5	1,328.6	10,922.1		12,518.2	1.0185
Cen Hudson					3.5		1,030.2					1,033.7	0.9869
LIPA											4,963.0	4,963.0	0.9775
Nat. Grid	1,972.3	405.8	1,284.1	90.2	897.6	2,166.8						6,816.8	1.0012
NYPA				333.6								333.6	1.0000
NYSEG	674.3		1,335.9	97.4	434.1	160.2	19.3	342.5				3,063.7	1.0065
O&R							1,097.2					1,097.2	1.0172
RG&E		1,452.4										1,452.4	0.9994
Total	2,646.6	1,858.2	2,620.0	521.2	1,335.2	2,327.0	2,146.7	610.0	1,328.6	10,922.1	4,963.0	31,278.6	1.0047

No Loss Reallocation

2024 Coincident Peak Forecast, Including Large Loads, Prior to BTM:NG Resources

	A	B	C	D	E	F	G	H	I	J	K	Total
Con Edison								267.5	1,328.6	10,922.1		12,518.2
Cen Hudson					3.5		1,030.2					1,033.7
LIPA											4,963.0	4,963.0
Nat. Grid	2,067.3	405.8	1,286.1	90.2	897.6	2,166.8						6,913.8
NYPA				498.6								498.6
NYSEG	674.3		1,335.9	97.4	434.1	160.2	19.3	342.5				3,063.7
O&R							1,097.2					1,097.2
RG&E		1,452.4										1,452.4
Total	2,741.6	1,858.2	2,622.0	686.2	1,335.2	2,327.0	2,146.7	610.0	1,328.6	10,922.1	4,963.0	31,540.6

Large Loads	95.0	0.0	2.0	165.0	0.0							262.0
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These large load forecasts are included in the table above.

No Loss Reallocation. The NYCA Coincident Peak forecast of 31,540.6 MW differs from the I-CAP Market forecast of 31,541.6 MW due to the application of the Transmission District RLGs prior to proportional reallocation of bulk power system losses.

BTM:NG Resource Load Forecast

2024 Transmission District Forecast of BTM:NG Resources

	Transmission District	2023 Peak Proxy Load	(1 + WNF)	(1 + RLGF)	2024 Average Coincident Host Load
Row	(a)	(b)	(c)	(d)	(e)=(b)*(c)*(d)
1	Con Edison	21.2	1.0227	1.0185	22.1
2	Central Hudson				
3	LIPA	41.4	1.0351	0.9775	41.9
4	National Grid	5.2	1.0227	1.0012	5.3
5	NYPA				
6	NYSEG	61.2	1.0260	1.0065	63.2
7	O&R				
8	RG&E	52.1	1.0423	0.9994	54.3
	Total	181.1			186.8

2023 Coincident Peak Forecast Including BTM:NG Resource Load

2024 Coincident Peak Forecast, Including Large Loads and BTM:NG Resource Load

	A	B	C	D	E	F	G	H	I	J	K	Total
Con Edison								267.5	1,328.6	10,944.2		12,540.3
Cen Hudson					3.5		1,030.2					1,033.7
LIPA											5,004.9	5,004.9
Nat. Grid	2,070.8	405.8	1,286.1	90.2	899.4	2,166.8						6,919.1
NYPA				498.6								498.6
NYSEG	674.3		1,399.1	97.4	434.1	160.2	19.3	342.5				3,126.9
O&R							1,097.2					1,097.2
RG&E		1,506.7										1,506.7
Total	2,745.1	1,912.5	2,685.2	686.2	1,337.0	2,327.0	2,146.7	610.0	1,328.6	10,944.2	5,004.9	31,727.4

BTM:NG Load	3.5	54.3	63.2		1.8					22.1	41.9	186.8
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These BTM:NG values are included in the table above.

No Loss Reallocation

G-to-J Locality Peak Forecast

2024 G-to-J Locality Peak Forecast, Prior to BTM:NG Resources												
	A	B	C	D	E	F	G	H	I	J	K	Total
G-to-J Peak							2,177.2	618.5	1,347.4	11,077.2		15,220.3
BTM:NG Resource Load												
	A	B	C	D	E	F	G	H	I	J	K	Total
BTM:NG							0.0	0.0	0.0	22.1		22.1
2024 G-to-J Locality Peak Forecast, Including BTM:NG Resource Load												
	A	B	C	D	E	F	G	H	I	J	K	Total
G-to-J Peak							2,177.2	618.5	1,347.4	11,099.3		15,242.4
NCP Ratio							1.0142	1.0142	1.0142	1.0142		1.0142

No Loss Reallocation. The G-to-J Locality Peak Forecast prior to BTM:NG Resources is analogous to the Gold Book forecast.

Zonal Non-Coincident Peak Forecasts

2024 Non-Coincident Zonal Peak Forecasts, Prior to Large Loads and BTM:NG Resources											
	A	B	C	D	E	F	G	H	I	J	K
NC Peaks	2,745.3	1,900.2	2,691.3	535.2	1,372.6	2,373.5	2,193.3	623.7	1,358.5	11,167.9	5,043.4
2024 Large Load Forecast											
	A	B	C	D	E	F	G	H	I	J	K
Large Loads	95.0	0.0	2.0	165.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2024 Non-Coincident Zonal Peak Forecasts, Including Large Loads, Prior to BTM:NG Resources											
	A	B	C	D	E	F	G	H	I	J	K
NC Peaks	2,840.3	1,900.2	2,693.3	700.2	1,372.6	2,373.5	2,193.3	623.7	1,358.5	11,167.9	5,043.4
BTM:NG Resource Load											
	A	B	C	D	E	F	G	H	I	J	K
BTM:NG	3.5	54.3	63.2	0.0	1.8	0.0	0.0	0.0	0.0	22.1	41.9
2024 Non-Coincident Zonal Peak Forecasts, Including Large Loads and BTM:NG Resource Load											
	A	B	C	D	E	F	G	H	I	J	K
NC Peaks	2,843.8	1,954.5	2,756.5	700.2	1,374.4	2,373.5	2,193.3	623.7	1,358.5	11,190.0	5,085.3
NCP Ratios											
NCP Ratios	1.0373	1.0226	1.0272	1.0269	1.0280	1.0200	1.0217	1.0225	1.0225	1.0225	1.0162

No Loss Reallocation. NCP forecasts prior to BTM:NG Resources are analogous to the Gold Book forecast.

Final ICAP Market Forecast Posting

- The final 2024 ICAP Market Forecast will be posted on the ICAP Market page of the NYISO website by the end of December:

<https://www.nyiso.com/installed-capacity-market>

Installed Capacity Data > Announcements > Information and Announcements

Questions?

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