

# Preliminary 2023 ICAP Forecast

---

Max Schuler

Demand Forecasting & Analysis

**Load Forecasting Task Force**

December 5, 2022

# Agenda

- **Summary of Updates since 11/17 LFTF**
- **Proportional Loss Reallocation**
- **2022 Weather Normalized Peak Load**
- **2023 Preliminary ICAP Forecast**
- **Forecast Reference Material**
- **Next Steps**

# Summary of Updates since Nov 17 LFTF

- Minor updates to actual load values and weather adjustments yield a 24 MW increase in the 2022 weather normalized coincident peak load
- No changes to NYCA peak hour demand response impacts or municipal load and self generation values
- Final Transmission Owner Regional Load Growth Factors have been submitted and evaluated against the NYISO Criteria
- The preliminary 2023 ICAP forecasts for the NYCA and the Localities (Zone J, Zone K, and Zones G-to-J) have been calculated
- Behind-the-Meter Net Generation (BTM:NG) Weather Normalization Factor (1+WNF) ratios and 2023 forecasts have been calculated
  - The 2022 weather normalized coincident peak includes a BTM:NG resource deduction of 2.4 MW

# Proportional Loss Reallocation

- For the New York Control Area (NYCA) ICAP Market peak load forecast, bulk power system losses are reallocated among the Transmission Districts proportional to their weather normalized peak loads (less losses). This approach provides that for the NYCA ICAP Market, 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 2023 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 that 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).

# 2022 Weather Normalized Peak Load

2022 Load Reconciliation		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
7/20/2022, Hour Beginning 5 PM		NYISO DSS Actual MW Data					Transmission District Load Data					
V4 - 12/1/22		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
<b>Consolidated Edison</b>												
Con-Ed LSE Load							11,284.3	154.6	11,438.9	765.7	243.4	12,448.0
<b>Transmission District Load Served</b>							11,284.3	154.6	11,438.9	765.7	243.4	12,448.0
Deduction for BTM:NG							0.0	0.0	0.0			
<b>Transmission District Total Load</b>		11,284.3	154.6		11,438.9	1.4%	11,284.3	154.6	11,438.9			
<b>Central Hudson</b>												
Central Hudson LSE Load							1,011.8	28.6	1,040.4	-1.0	0.0	1,039.4
<b>Transmission District Load Served</b>							1,011.8	28.6	1,040.4	-1.0	0.0	1,039.4
Deduction for BTM:NG							0.0	0.0	0.0			
<b>Transmission District Total Load</b>		1,011.8	28.6		1,040.4	2.7%	1,011.8	28.6	1,040.4			
<b>Long Island Power Authority</b>												
LIPA LSE Load							4,851.3	49.1	4,900.4	-69.4	13.5	4,844.5
NYPA Load & Greenport Load							110.8	1.1	111.9	-1.6	0.0	110.3
Freeport & Rockville Centre Load							108.4	1.1	109.5	-1.5	0.0	108.0
<b>Transmission District Load Served</b>							5,070.5	51.3	5,121.8	-72.5	13.5	5,062.8
Deduction for BTM:NG							0.0	0.0	0.0			
<b>Transmission District Total Load</b>		5,071.2	51.3	0.0	5,122.5	1.0%	5,070.5	51.3	5,121.8			
<b>National Grid</b>												
National Grid LSE							6,015.3	341.0	6,356.3	-70.0	240.5	6,526.8
NYPA Load							37.3	2.1	39.4	-0.4	0.0	39.0
NYMPA Load							287.8	16.3	304.1	-3.4	0.0	300.7
Jamestown Load							65.9	3.7	69.6	-0.8	0.0	68.8
Green Island Load							5.8	0.3	6.1	-0.1	0.0	6.0
<b>Transmission District Load Served</b>							6,412.1	363.4	6,775.5	-74.7	240.5	6,941.3
Deduction for BTM:NG							0.0	0.0	0.0			
<b>Transmission District Total Load</b>		6,352.3	363.4	59.8	6,775.5	5.4%	6,412.1	363.4	6,775.5			
<b>Totals</b>		<b>29,743.2</b>	<b>676.4</b>	<b>59.8</b>	<b>30,479.4</b>	<b>2.2%</b>	<b>29,799.1</b>	<b>676.4</b>	<b>30,475.5</b>	<b>687.1</b>	<b>562.1</b>	<b>31,724.7</b>

2022 Load Reconciliation		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
7/20/2022, Hour Beginning 5 PM		NYISO DSS Actual MW Data					Transmission District Load Data					
V4 - 12/1/22		Actual Load	BPS Losses	Muni Gen	Load + Losses	Percent Losses	Actual Load Less Losses	Actual Losses	Actual Load With Losses	Weather Adjustments	Demand Response	TO's W/N MW With DR
<b>New York Power Authority</b>												
NYPA LSE Load							418.3	2.0	420.3	-0.4	0.0	419.9
NYMPA Load							54.1	0.3	54.4	0.4	0.0	54.8
<b>Transmission District Load Served</b>							472.4	2.3	474.7	0.0	0.0	474.7
Deduction for BTM:NG							0.0	0.0	0.0			
<b>Transmission District Total Load</b>		473.2	2.3	475.5	0.5%	472.4	2.3	474.7				
<b>New York State Electric &amp; Gas</b>												
NYSEG LSE Load							2,912.4	52.7	2,965.1	6.2	58.0	3,029.3
NYPA Load							55.9	1.0	56.9	0.1	0.0	57.0
NYMPA Load							58.5	1.1	59.6	0.1	0.0	59.7
<b>Transmission District Load Served</b>							3,026.8	54.8	3,081.6	6.4	58.0	3,146.0
Deduction for BTM:NG							0.0	0.0	0.0			
<b>Transmission District Total Load</b>		3,026.8	54.8	3,081.6	1.8%	3,026.8	54.8	3,081.6				
<b>Orange &amp; Rockland Utilities</b>												
O&R LSE Load							1,030.7	8.0	1,038.7	58.3	0.0	1,097.0
<b>Transmission District Load Served</b>							1,030.7	8.0	1,038.7	58.3	0.0	1,097.0
Deduction for BTM:NG							0.0	0.0	0.0			
<b>Transmission District Total Load</b>		1,030.7	8.0	1,038.7	0.8%	1,030.7	8.0	1,038.7				
<b>Rochester Gas &amp; Electric</b>												
RG&E LSE Load							1,478.6	13.3	1,491.9	4.9	6.7	1,503.5
NYMPA Load							11.9	0.1	12.0	0.0	0.0	12.0
<b>Transmission District Load Served</b>							1,490.5	13.4	1,503.9	4.9	6.7	1,515.5
Deduction for BTM:NG							2.4	0.0	2.4			
<b>Transmission District Total Load</b>		1,492.9	13.4	1,506.3	0.9%	1,492.9	13.4	1,506.3				
<b>Totals</b>		29,743.2	676.4	59.8	30,479.4	2.2%	29,799.1	676.4	30,475.5	687.1	562.1	31,724.7

Note: The NYSEG load reconciliation reflects the transfer of municipal load from NYMPA to NYPA beginning in January 2023

2022 Load Reconciliation	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
	7/20/2022, Hour Beginning 5 PM V4 - 12/1/22	TOs' W/N MW With DR	Reallocation of Losses			Proportional Allocation of Losses	Adj. W/N Load Less Losses	2022 Adjusted Actual Load (MW)	2022 BTM:NG (1 + WNF)	2022 Adj Load Prior to Loss Adjustment
			W/N Losses	Station Power	Adj. W/N Load Less Losses					
<b>Consolidated Edison</b>										
Con-Ed LSE Load	12,448.0	168.2		12,279.8	39.60%	277.2	12,279.8	12,557.0		
<b>Transmission District Load Served</b>	<b>12,448.0</b>	168.2		12,279.8	39.60%	277.2	12,279.8	<b>12,557.0</b>	<b>1.0226</b>	<b>12,448.0</b>
Deduction for BTM:NG										
<b>Transmission District Total Load</b>										
<b>Central Hudson</b>										
Central Hudson LSE Load	1,039.4	28.6		1,010.8	3.26%	22.8	1,010.8	1,033.6		
<b>Transmission District Load Served</b>	<b>1,039.4</b>	28.6		1,010.8	3.26%	22.8	1,010.8	<b>1,033.6</b>	<b>1.0226</b>	<b>1,039.4</b>
Deduction for BTM:NG										
<b>Transmission District Total Load</b>										
<b>Long Island Power Authority</b>										
LIPA LSE Load	4,844.5	48.5		4,796.0	15.47%	108.3	4,796.0	4,904.3		
NYPA Load & Greenport Load	110.3	1.1		109.2	0.35%	2.4	109.2	111.6		
Freeport & Rockville Centre Load	108.0	1.1		106.9	0.34%	2.4	106.9	109.3		
<b>Transmission District Load Served</b>	<b>5,062.8</b>	50.7		5,012.1	16.16%	113.1	5,012.1	<b>5,125.2</b>	<b>1.0276</b>	<b>5,062.8</b>
Deduction for BTM:NG										
<b>Transmission District Total Load</b>										
<b>National Grid</b>										
National Grid LSE	6,526.8	349.3	13.0	6,164.5	19.88%	139.1	6,164.5	6,303.6		
NYPA Load	39.0	2.2		36.8	0.12%	0.8	36.8	37.6		
NYMPA Load	300.7	16.7		284.0	0.92%	6.4	284.0	290.4		
Jamestown Load	68.8	3.8		65.0	0.21%	1.5	65.0	66.5		
Green Island Load	6.0	0.3		5.7	0.02%	0.1	5.7	5.8		
<b>Transmission District Load Served</b>	<b>6,941.3</b>	372.3	13.0	6,556.0	21.14%	147.9	6,556.0	<b>6,703.9</b>	<b>1.0226</b>	<b>6,928.3</b>
Deduction for BTM:NG										
<b>Transmission District Total Load</b>										
<b>Totals</b>	<b>31,724.7</b>	<b>699.9</b>	<b>13.0</b>	<b>31,011.8</b>	<b>100.00%</b>	<b>699.9</b>	<b>31,011.8</b>	<b>31,711.7</b>	<b>1.0226</b>	<b>31,711.7</b>



2022 Load Reconciliation	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
	Reallocation of Losses					Proportional Allocation of Losses	Adj. W/N Load Less Losses	2022 Adjusted Actual Load (MW)	2022 BTM:NG (1 + WNF)	2022 Adj Load Prior to Loss Adjustment
7/20/2022, Hour Beginning 5 PM	TOs' W/N MW With DR	W/N Losses	Station Power	Adj. W/N Load Less Losses	Percent Loss Allocation					
V4 - 12/1/22										
<b>New York Power Authority</b>										
NYP&E LSE Load	419.9	2.0		417.9	1.35%	9.4	417.9	427.3		
NYMP&A Load	54.8	0.3		54.5	0.18%	1.3	54.5	55.8		
<b>Transmission District Load Served</b>	<b>474.7</b>	<b>2.3</b>		<b>472.4</b>	<b>1.53%</b>	<b>10.7</b>	<b>472.4</b>	<b>483.1</b>	<b>1.0226</b>	<b>474.7</b>
Deduction for BTM:NG										
<b>Transmission District Total Load</b>										
<b>New York State Electric &amp; Gas</b>										
NYSEG LSE Load	3,029.3	53.8		2,975.5	9.59%	67.1	2,975.5	3,042.6		
NYP&A Load	57.0	1.0		56.0	0.18%	1.3	56.0	57.3		
NYMP&A Load	59.7	1.1		58.6	0.19%	1.3	58.6	59.9		
<b>Transmission District Load Served</b>	<b>3,146.0</b>	<b>55.9</b>		<b>3,090.1</b>	<b>9.96%</b>	<b>69.7</b>	<b>3,090.1</b>	<b>3,159.8</b>	<b>1.0226</b>	<b>3,146.0</b>
Deduction for BTM:NG										
<b>Transmission District Total Load</b>										
<b>Orange &amp; Rockland Utilities</b>										
O&R LSE Load	1,097.0	8.4		1,088.6	3.51%	24.6	1,088.6	1,113.2		
<b>Transmission District Load Served</b>	<b>1,097.0</b>	<b>8.4</b>		<b>1,088.6</b>	<b>3.51%</b>	<b>24.6</b>	<b>1,088.6</b>	<b>1,113.2</b>	<b>1.0226</b>	<b>1,097.0</b>
Deduction for BTM:NG										
<b>Transmission District Total Load</b>										
<b>Rochester Gas &amp; Electric</b>										
RG&E LSE Load	1,503.5	13.4		1,490.1	4.80%	33.6	1,490.1	1,523.7		
NYMP&A Load	12.0	0.1		11.9	0.04%	0.3	11.9	12.2		
<b>Transmission District Load Served</b>	<b>1,515.5</b>	<b>13.5</b>		<b>1,502.0</b>	<b>4.84%</b>	<b>33.9</b>	<b>1,502.0</b>	<b>1,535.9</b>	<b>1.0287</b>	<b>1,515.5</b>
Deduction for BTM:NG										
<b>Transmission District Total Load</b>										
<b>Totals</b>	<b>31,724.7</b>	<b>699.9</b>	<b>13.0</b>	<b>31,011.8</b>	<b>100.00%</b>	<b>699.9</b>	<b>31,011.8</b>	<b>31,711.7</b>	<b>1.0226</b>	<b>31,711.7</b>

# 2023 Preliminary ICAP Forecast

## 2023 New York Control Area ICAP Market Peak Load Forecast (MW)

12/1/2022 V4	Transmission Districts	2022 Weather Normalized MW Load+ Losses MW *	(1 + Regional Load Growth Factor)	2023 NYCA Peak Load Before Adjustments *	2023 Large Load Adjustments	2023 ICAP Market Forecast *	2023 Locality Forecasts ^		
							J Locality	K Locality	G-J Locality
<b>Consolidated Edison</b>		12,557.0	1.02030	12,811.9	0.0	12,811.9	11,239.4		12,869.7
<b>Central Hudson</b>		1,033.6	0.99280	1,026.2	0.0	1,026.2			1,042.2
<b>Long Island Power Authority</b>		4,904.3	0.98740	4,842.5	0.0	4,842.5			
NYPA & Greenport		111.6	0.98740	110.2	0.0	110.2			
Freeport & Rockville Centre		109.3	0.98740	107.9	0.0	107.9			
<b>LIPA Total</b>		5,125.2	0.98740	5,060.6	0.0	5,060.6		5,081.8	
<b>National Grid</b>		6,303.6	1.00390	6,328.2	93.0	6,421.2			
NYPA		37.6	1.00390	37.7	0.0	37.7			
NYMPA		290.4	1.00390	291.5	0.0	291.5			
Jamestown		66.5	1.00390	66.8	0.0	66.8			
Green Island Power Authority		5.8	1.00390	5.8	0.0	5.8			
<b>National Grid Total</b>		6,703.9	1.00390	6,730.0	93.0	6,823.0			
<b>New York Power Authority</b>		427.3	1.00000	427.3	24.7	452.0			
NYMPA		55.8	1.03040	57.5	0.0	57.5			
<b>NYPA Total</b>		483.1	1.00352	484.8	24.7	509.5			
<b>New York State Electric &amp; Gas</b>		3,042.6	0.99444	3,025.7	0.0	3,025.7			
NYPA		57.3	0.99444	57.0	0.0	57.0			
NYMPA		59.9	0.99444	59.6	0.0	59.6			
<b>NYSEG Total</b>		3,159.8	0.99444	3,142.3	0.0	3,142.3			365.2
<b>Orange &amp; Rockland Utilities</b>		1,113.2	1.00360	1,117.2	0.0	1,117.2			1,115.6
<b>Rochester Gas &amp; Electric</b>		1,523.7	1.01448	1,545.8	0.0	1,545.8			
NYMPA		12.2	1.01448	12.4	0.0	12.4			
<b>RG&amp;ETotal</b>		1,535.9	1.01448	1,558.2	0.0	1,558.2			
<b>Total Load in NYCA or Locality</b>		<b>31,711.7</b>	<b>1.00692</b>	<b>31,931.2</b>	<b>117.7</b>	<b>32,048.9</b>	<b>11,239.4</b>	<b>5,081.8</b>	<b>15,392.7</b>

**Notes**

\* Including Reallocated Bulk Power System Losses

^ No Loss Reallocation

BTM:NG Resource loads are not included in these forecasts

# Forecast Reference Material

2023 New York Control Area Coincident Peak Load Forecast (MW)						
Reference Forecast Without Proportional Loss Reallocation						
12/1/2022 V4	Transmission Districts	2022 Weather Normalized MW Load + Losses MW ^	(1 + Regional Load Growth Factor)	2023 NYCA Peak Load Before Adjustments ^	2023 Large Load Adjustments	2023 NYCA Coincident Peak Forecast ^
<b>Consolidated Edison</b>		12,448.0	1.02030	12,700.7	0.0	12,700.7
<b>Central Hudson</b>		1,039.4	0.99280	1,031.9	0.0	1,031.9
<b>Long Island Power Authority</b>		4,844.5	0.98740	4,783.5	0.0	4,783.5
NYPA & Greenport		110.3	0.98740	108.9	0.0	108.9
Freeport & Rockville Centre		108.0	0.98740	106.6	0.0	106.6
<b>LIPA Total</b>		5,062.8	0.98740	4,999.0	0.0	4,999.0
<b>National Grid</b>		6,513.8	1.00390	6,539.2	93.0	6,632.2
NYPA		39.0	1.00390	39.2	0.0	39.2
NYMPA		300.7	1.00390	301.9	0.0	301.9
Jamestown		68.8	1.00390	69.1	0.0	69.1
Green Island Power Authority		6.0	1.00390	6.0	0.0	6.0
<b>National Grid Total</b>		6,928.3	1.00390	6,955.4	93.0	7,048.4
<b>New York Power Authority</b>		419.9	1.00000	419.9	24.7	444.6
NYMPA		54.8	1.03040	56.5	0.0	56.5
<b>NYPA Total</b>		474.7	1.00352	476.4	24.7	501.1
<b>New York State Electric &amp; Gas</b>		3,029.3	0.99444	3,012.5	0.0	3,012.5
NYPA		57.0	0.99444	56.7	0.0	56.7
NYMPA		59.7	0.99444	59.4	0.0	59.4
<b>NYSEG Total</b>		3,146.0	0.99444	3,128.6	0.0	3,128.6
<b>Orange &amp; Rockland Utilities</b>		1,097.0	1.00360	1,100.9	0.0	1,100.9
<b>Rochester Gas &amp; Electric</b>		1,503.5	1.01448	1,525.3	0.0	1,525.3
NYMPA		12.0	1.01448	12.2	0.0	12.2
<b>RG&amp;E Total</b>		1,515.5	1.01448	1,537.5	0.0	1,537.5
<b>NYCA Coincident Peak Load</b>		<b>31,711.7</b>	<b>1.00690</b>	<b>31,930.4</b>	<b>117.7</b>	<b>32,048.1</b>

**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 RLGs prior to proportional reallocation of bulk power system losses.

**(1) 2022 Actual Coincident Peak in G to J Locality**

7/20/2022, HB 17

Transmission District	G	H	I	J	G-to-J Total
Con Edison		240.7	1,257.3	9,940.8	11,438.8
Cen Hudson	1,036.4				1,036.4
LIPA					
Nat. Grid					
NYPA					
NYSEG	19.2	350.3			369.5
O&R	1,038.7				1,038.7
RG&E					
<b>Total</b>	<b>2,094.3</b>	<b>591.0</b>	<b>1,257.3</b>	<b>9,940.8</b>	<b>13,883.4</b>

**(2) 2022 Weather-Adjusted Coincident Peak in G to J Locality**

Transmission District	G	H	I	J	G-to-J Total
Con Edison		275.1	1,369.3	10,803.6	12,448.0
Cen Hudson	1,036.0				1,036.0
LIPA					
Nat. Grid					
NYPA					
NYSEG	20.4	342.0			362.4
O&R	1,097.0				1,097.0
RG&E					
<b>Total</b>	<b>2,153.4</b>	<b>617.1</b>	<b>1,369.3</b>	<b>10,803.6</b>	<b>14,943.4</b>

**(3) 2022 Weather-Adjusted Locality Peak for G-to-J**

Transmission District	G	H	I	J	G-to-J Total
Con Edison		278.8	1,387.5	10,947.3	12,613.6
Cen Hudson	1,049.8				1,049.8
LIPA					
Nat. Grid					
NYPA					
NYSEG	20.7	346.5			367.2
O&R	1,111.6				1,111.6
RG&E					
<b>Total</b>	<b>2,182.1</b>	<b>625.3</b>	<b>1,387.5</b>	<b>10,947.3</b>	<b>15,142.2</b>
<b>NCP/CP ratio</b>	<b>1.0133</b>	<b>1.0133</b>	<b>1.0133</b>	<b>1.0133</b>	

**(4) 2023 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		284.5	1,415.7	11,169.5	12,869.7	1.0203
Cen Hudson	1,042.2				1,042.2	0.9928
LIPA						
Nat. Grid						
NYPA						
NYSEG	20.6	344.6			365.2	0.9944
O&R	1,115.6				1,115.6	1.0036
RG&E						
<b>Total</b>	<b>2,178.4</b>	<b>629.1</b>	<b>1,415.7</b>	<b>11,169.5</b>	<b>15,392.7</b>	<b>1.0165</b>

No Loss Reallocation

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

Locality	2022 Weather Adjusted Coincident Peak	Locality NCP to CP Ratio	2022 Locality Weather Adjusted Peak	Regional Load Growth Factor	2023 Locality Forecast
Zone J Locality	10,803.6	1.0196	11,015.4	1.0203	11,239.4
Zone K Locality	5,062.8	1.0166	5,146.6	0.9874	5,081.8

No Loss Reallocation

**2022 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								275.1	1,369.3	10,803.6		12,448.0
Cen Hudson					3.4		1,036.0					1,039.4
LIPA											5,062.8	5,062.8
Nat. Grid	1,886.0	454.0	1,298.7	90.9	957.9	2,240.8						6,928.3
NYPA				474.7								474.7
NYSEG	704.4		1,398.4	95.3	423.5	162.0	20.4	342.0				3,146.0
O&R							1,097.0					1,097.0
RG&E		1,515.5										1,515.5
<b>Total</b>	<b>2,590.4</b>	<b>1,969.5</b>	<b>2,697.1</b>	<b>660.9</b>	<b>1,384.8</b>	<b>2,402.8</b>	<b>2,153.4</b>	<b>617.1</b>	<b>1,369.3</b>	<b>10,803.6</b>	<b>5,062.8</b>	<b>31,711.7</b>

Includes station power deduction (National Grid Zone F).



**2023 Coincident Peak Forecast, Prior to Large Load Growth and BTM:NG Resources**

	A	B	C	D	E	F	G	H	I	J	K	Total	RLGF
Con Edison								280.7	1,397.1	11,022.9		12,700.7	1.0203
Cen Hudson					3.4		1,028.5					1,031.9	0.9928
LIPA											4,999.0	4,999.0	0.9874
Nat. Grid	1,893.4	455.8	1,303.8	91.3	961.6	2,249.5						6,955.4	1.0039
NYPA				476.4								476.4	1.0035
NYSEG	700.5		1,390.7	94.8	421.1	161.1	20.3	340.1				3,128.6	0.9944
O&R							1,100.9					1,100.9	1.0036
RG&E		1,537.5										1,537.5	1.0145
<b>Total</b>	<b>2,593.9</b>	<b>1,993.3</b>	<b>2,694.5</b>	<b>662.5</b>	<b>1,386.1</b>	<b>2,410.6</b>	<b>2,149.7</b>	<b>620.8</b>	<b>1,397.1</b>	<b>11,022.9</b>	<b>4,999.0</b>	<b>31,930.4</b>	<b>1.0069</b>

**No Loss Reallocation**

### 2023 Coincident Peak Forecast, Including Large Load Growth, Prior to BTM:NG Resources

	A	B	C	D	E	F	G	H	I	J	K	Total
Con Edison								280.7	1,397.1	11,022.9		12,700.7
Cen Hudson					3.4		1,028.5					1,031.9
LIPA											4,999.0	4,999.0
Nat. Grid	1,986.4	455.8	1,303.8	91.3	961.6	2,249.5						7,048.4
NYPA				501.1								501.1
NYSEG	700.5		1,390.7	94.8	421.1	161.1	20.3	340.1				3,128.6
O&R							1,100.9					1,100.9
RG&E		1,537.5										1,537.5
<b>Total</b>	<b>2,686.9</b>	<b>1,993.3</b>	<b>2,694.5</b>	<b>687.2</b>	<b>1,386.1</b>	<b>2,410.6</b>	<b>2,149.7</b>	<b>620.8</b>	<b>1,397.1</b>	<b>11,022.9</b>	<b>4,999.0</b>	<b>32,048.1</b>

Large Loads	93.0			24.7								<b>117.7</b>
-------------	------	--	--	------	--	--	--	--	--	--	--	--------------

These large load forecasts are included in the table above.

**No Loss Reallocation.** The NYCA Coincident Peak forecast of 32,048.1 MW differs from the ICAP Market forecast of 32,048.9 MW due to the application of the Transmission District RLGs prior to proportional reallocation of bulk power system losses.

## 2023 Transmission District Forecast of BTM:NG Resources

	Transmission District	2022 Peak Proxy Load	(1 + WNF)	(1 + RLGF)	2023 Average Coincident Host Load
Row	(a)	(b)	(c)	(d)	(e)=(b)*(c)*(d)
1	Con Edison	22.0	1.0226	1.0203	23.0
2	Central Hudson				
3	LIPA	40.5	1.0276	0.9874	41.1
4	National Grid	1.9	1.0226	1.0039	2.0
5	NYPA				
6	NYSEG	51.4	1.0226	0.9944	52.3
7	O&R				
8	RG&E	50.7	1.0287	1.0145	52.9
	<b>Total</b>	<b>166.5</b>			<b>171.3</b>

## 2023 Coincident Peak Forecast, Including Large Load Growth and BTM:NG Resources

	A	B	C	D	E	F	G	H	I	J	K	Total
Con Edison								280.7	1,397.1	11,045.9		12,723.7
Cen Hudson					3.4		1,028.5					1,031.9
LIPA											5,040.1	5,040.1
Nat. Grid	1,986.4	455.8	1,303.8	91.3	963.6	2,249.5						7,050.4
NYPA				501.1								501.1
NYSEG	700.5		1,443.0	94.8	421.1	161.1	20.3	340.1				3,180.9
O&R							1,100.9					1,100.9
RG&E		1,590.4										1,590.4
<b>Total</b>	<b>2,686.9</b>	<b>2,046.2</b>	<b>2,746.8</b>	<b>687.2</b>	<b>1,388.1</b>	<b>2,410.6</b>	<b>2,149.7</b>	<b>620.8</b>	<b>1,397.1</b>	<b>11,045.9</b>	<b>5,040.1</b>	<b>32,219.4</b>

BTM:NG Resource Load	52.9	52.3			2.0					23.0	41.1	<b>171.3</b>
----------------------	------	------	--	--	-----	--	--	--	--	------	------	--------------

These BTM:NG values are included in the table above.

### No Loss Reallocation

2023 G-to-J Locality Peak Forecast, Prior to BTM:NG Resources												
	A	B	C	D	E	F	G	H	I	J	K	Total
<b>G-to-J Peak</b>							2,178.4	629.1	1,415.7	11,169.5		<b>15,392.7</b>
BTM:NG Resources												
	A	B	C	D	E	F	G	H	I	J	K	Total
<b>BTM:NG</b>							0.0	0.0	0.0	23.0		<b>23.0</b>
2023 G-to-J Locality Peak Forecast, Including BTM:NG Resources												
	A	B	C	D	E	F	G	H	I	J	K	Total
<b>G-to-J Peak</b>							2,178.4	629.1	1,415.7	11,192.5		<b>15,415.7</b>
<b>NCP Ratio</b>							<b>1.0133</b>	<b>1.0133</b>	<b>1.0133</b>	<b>1.0133</b>		<b>1.0133</b>

2023 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	2,680.8	2,037.2	2,761.6	682.0	1,424.9	2,445.8	2,192.9	633.0	1,424.4	11,239.4	5,082.0
2023 Large Load Forecast											
	A	B	C	D	E	F	G	H	I	J	K
Large Loads	93.0	0.0	0.0	24.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2023 Non-Coincident Zonal Peak Forecasts, Including Large Load Growth, Prior to BTM:NG Resources											
	A	B	C	D	E	F	G	H	I	J	K
NC Peaks	2,773.8	2,037.2	2,761.6	706.7	1,424.9	2,445.8	2,192.9	633.0	1,424.4	11,239.4	5,082.0
BTM:NG Resources											
	A	B	C	D	E	F	G	H	I	J	K
BTM:NG	0.0	52.9	52.3	0.0	2.0	0.0	0.0	0.0	0.0	23.0	41.1
2023 Non-Coincident Zonal Peak Forecasts, Including Large Load Growth and BTM:NG Resources											
	A	B	C	D	E	F	G	H	I	J	K
NC Peaks	2,773.8	2,090.1	2,813.9	706.7	1,426.9	2,445.8	2,192.9	633.0	1,424.4	11,262.4	5,123.1
NCP Ratios	1.0335	1.0220	1.0249	1.0294	1.0280	1.0146	1.0201	1.0196	1.0196	1.0196	1.0166

# Next Steps

- Any updates to the 2022 weather normalized coincident or Locality peaks, or to the 2023 ICAP Market forecast, NYCA Coincident Peak forecast, or the Locality forecasts will be reviewed during the 12/19 LFTF

# 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