

# 2022 ICAP Forecast Update

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**Load Forecasting Task Force**

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# Agenda

- **Summary of updates since November 30 LFTF**
- **Large Load Forecast Update**
- **Zonal and Locality Forecast Updates**
- **2022 ICAP Forecast Update**
- **2022 ICAP Forecast Supporting Tables**
- **ICAP Forecast Finalization and Next Steps**

# Updates since the November 16 LFTF

- DSS loads for the ICAP coincident peak hour (8/26/2021, Hour Beginning 16) have been reviewed. There are updated load values for Con Ed, National Grid, NYPA, NYSEG, and RG&E. The total change in NYCA peak hour MW is approximately -8 MW. Updated DSS data is shown in columns 1 through 5 of the weather normalized peak load summary table.
- Final 2021 weather normalized Transmission District NYCA-coincident peaks and 2022 forecasts have already been evaluated by the NYISO and agreed upon with the Transmission Owners. As the change in DSS loads was minimal, Transmission District 2021 weather normalized coincident peaks and 2022 coincident peak forecasts are unchanged.
- Due to the updated DSS peak load and loss data, there is an updated calculation of proportional loss allocation among the Transmission Districts, resulting in fractional MW changes in the 2022 ICAP forecast for some Districts.
- The station power deduction value for National Grid has been updated.
- There have been updates to large load projections, discussed on slide 4.
- There have been updates to Locality and Zonal forecasts, discussed on slide 5.

# Large Load Forecast Update

- Interconnecting large load projections were discussed with the pertinent Transmission Owners.
- The summer 2022 forecast for Q850 in NYSEG Zone C has been reduced from 50 MW to 0 MW, following a discussion with NYSEG concerning the current project status and anticipated timeline.
- The summer 2022 forecasts for Q580 in National Grid Zone A, and Q849 in Zone A have not changed. Discussions with the pertinent Transmission Owners regarding the appropriate final forecast values are ongoing.

# Locality and Zonal Forecast Updates

- Following discussion at the 11/30 LFTF, and further consultation with Con Edison, the 2022 zonal forecast within Con Edison has been updated.
- The Zone J coincident peak forecast has been increased by 18 MW to reflect the likely larger share of growth in-city as the service territory continues to recover from the load-reducing impacts of the COVID-19 pandemic. The NYISO analyzed summer 2021 load growth trends in Zones H, I, and J. There are commensurate reductions in the Zonal coincident peak forecasts of 5 MW in Zone H and 13 MW in Zone I.
- For computational simplicity, these differing growth rates are captured via updated zonal forecast shares, rather than differing Regional Load Growth Factors. The RLGf for Con Edison remains representative of projected load growth in the Transmission District as a whole.
- The Zone J Locality non-coincident peak forecast increases by 18.2 MW as a result of this update.
- The Con Edison total NYCA ICAP and G-to-J Locality forecasts were not affected by this update.
- Zonal projections from National Grid and NYSEG were evaluated by the NYISO, and incorporated into updated Zonal load shares.
- The total NYCA ICAP forecasts for National Grid and NYSEG were not affected by these share updates.
- The G-to-J Locality peak forecast has increased by 9.7 MW as a result of the updated NYSEG shares.

# 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 2022 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).

# 2021 Weather Normalized Peak Load

2021 Load Reconciliation		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
8/26/2021, Hour Beginning 4 PM		NYISO DSS Actual MW Data					Transmission District Load Data					
V7 - 12/8/21		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							11,429.6	158.5	11,588.1	574.4	8.0	12,170.5
<b>Transmission District Load Served</b>							11,429.6	158.5	11,588.1	574.4	8.0	12,170.5
Deduction for BTM:NG							0.0	0.0	0.0			
<b>Transmission District Total Load</b>		11,404.2	158.5		11,562.7	1.4%	11,429.6	158.5	11,588.1			
<b>Central Hudson</b>												
Central Hudson LSE Load							1,025.8	27.2	1,053.0	18.9	0.0	1,071.9
<b>Transmission District Load Served</b>							1,025.8	27.2	1,053.0	18.9	0.0	1,071.9
Deduction for BTM:NG							0.0	0.0	0.0			
<b>Transmission District Total Load</b>		1,026.5	27.2		1,053.7	2.6%	1,025.8	27.2	1,053.0			
<b>Long Island Power Authority</b>												
LIPA LSE Load							4,751.6	52.9	4,804.5	95.6	51.0	4,951.1
NYPA Load & Greenport Load							101.9	1.1	103.0	2.1	0.0	105.1
Freeport & Rockville Centre Load							109.9	1.2	111.1	2.2	0.0	113.3
<b>Transmission District Load Served</b>		0.0					4,963.4	55.2	5,018.6	99.9	51.0	5,169.5
Deduction for BTM:NG							0.0	0.0	0.0			
<b>Transmission District Total Load</b>		4,963.2	55.2	0.0	5,018.4	1.1%	4,963.4	55.2	5,018.6			
<b>National Grid</b>												
National Grid LSE							6,050.4	283.2	6,333.6	66.8	180.3	6,580.7
NYPA Load							36.5	1.7	38.2	0.4	0.0	38.6
NYMPA Load							291.6	13.7	305.3	3.2	0.0	308.5
Jamestown Load		38.9					65.8	3.1	68.9	0.7	0.0	69.6
Green Island Load							5.8	0.3	6.1	0.1	0.0	6.2
<b>Transmission District Load Served</b>							6,450.1	302.0	6,752.1	71.2	180.3	7,003.6
Deduction for BTM:NG							0.0	0.0	0.0			
<b>Transmission District Total Load</b>		6,421.8	302.0	38.9	6,762.7	4.5%	6,450.1	302.0	6,752.1			
<b>Totals</b>		<b>29,666.2</b>	<b>622.6</b>	<b>38.9</b>	<b>30,327.7</b>	<b>2.1%</b>	<b>29,718.7</b>	<b>622.6</b>	<b>30,341.3</b>	<b>906.2</b>	<b>293.9</b>	<b>31,541.4</b>



2021 Load Reconciliation		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
8/26/2021, Hour Beginning 4 PM		NYISO DSS Actual MW Data					Transmission District Load Data					
V7 - 12/8/21		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>New York Power Authority</b>												
NYPA LSE Load							296.9	3.7	300.6	-0.1	0.0	300.5
NYMPA Load							56.0	0.7	56.7	-1.6	0.0	55.1
<b>Transmission District Load Served</b>							352.9	4.4	357.3	-1.7	0.0	355.6
Deduction for BTM:NG							0.0	0.0	0.0			
<b>Transmission District Total Load</b>		353.3	4.4		357.7	1.2%	352.9	4.4	357.3			
<b>New York State Electric &amp; Gas</b>												
NYSEG LSE Load							2,820.5	50.2	2,870.7	39.5	49.3	2,959.5
NYPA Load							46.0	0.8	46.8	0.6	0.0	47.4
NYMPA Load							68.7	1.2	69.9	1.0	0.0	70.9
<b>Transmission District Load Served</b>							2,935.2	52.2	2,987.4	41.1	49.3	3,077.8
Deduction for BTM:NG							0.0	0.0	0.0			
<b>Transmission District Total Load</b>		2,935.5	52.2		2,987.7	1.7%	2,935.2	52.2	2,987.4			
<b>Orange &amp; Rockland Utilities</b>												
O&R LSE Load							1,032.1	6.1	1,038.2	84.2	0.0	1,122.4
<b>Transmission District Load Served</b>							1,032.1	6.1	1,038.2	84.2	0.0	1,122.4
Deduction for BTM:NG							0.0	0.0	0.0			
<b>Transmission District Total Load</b>		1,032.1	6.1		1,038.2	0.6%	1,032.1	6.1	1,038.2			
<b>Rochester Gas &amp; Electric</b>												
RG&E LSE Load							1,518.1	16.9	1,535.0	18.1	5.3	1,558.4
NYMPA Load							11.5	0.1	11.6	0.1	0.0	11.7
<b>Transmission District Load Served</b>							1,529.6	17.0	1,546.6	18.2	5.3	1,570.1
Deduction for BTM:NG							0.0	0.0	0.0			
<b>Transmission District Total Load</b>		1,529.6	17.0		1,546.6	1.1%	1,529.6	17.0	1,546.6			
<b>Totals</b>		<b>29,666.2</b>	<b>622.6</b>	<b>38.9</b>	<b>30,327.7</b>	<b>2.1%</b>	<b>29,718.7</b>	<b>622.6</b>	<b>30,341.3</b>	<b>906.2</b>	<b>293.9</b>	<b>31,541.4</b>

2021 Load Reconciliation	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
	8/26/2021, Hour Beginning 4 PM	TOs' W/N MW With DR	Reallocation of Losses			Proportional Allocation of Losses	Adj. W/N Load Less Losses	2021 Adjusted Actual Load (MW)	2021 BTM:NG (1 + WNF)	2021 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	12,170.5	166.5		12,004.0	38.87%	251.2	12,004.0	12,255.2		
Transmission District Load Served	12,170.5	166.5		12,004.0	38.87%	251.2	12,004.0	12,255.2	1.0209	12,170.5
Deduction for BTM:NG										
Transmission District Total Load										
<b>Central Hudson</b>										
Central Hudson LSE Load	1,071.9	27.7		1,044.2	3.38%	21.8	1,044.2	1,066.0		
Transmission District Load Served	1,071.9	27.7		1,044.2	3.38%	21.8	1,044.2	1,066.0	1.0209	1,071.9
Deduction for BTM:NG										
Transmission District Total Load										
<b>Long Island Power Authority</b>										
LIPA LSE Load	4,951.1	54.4		4,896.7	15.86%	102.5	4,896.7	4,999.2		
NYPA Load & Greenport Load	105.1	1.2		103.9	0.34%	2.2	103.9	106.1		
Freeport & Rockville Centre Load	113.3	1.3		112.0	0.36%	2.3	112.0	114.3		
Transmission District Load Served	5,169.5	56.9		5,112.6	16.56%	107.0	5,112.6	5,219.6	1.0360	5,169.5
Deduction for BTM:NG										
Transmission District Total Load										
<b>National Grid</b>										
National Grid LSE	6,580.7	293.7	13.0	6,274.0	20.32%	131.3	6,274.0	6,405.3		
NYPA Load	38.6	1.8		36.8	0.12%	0.8	36.8	37.6		
NYMPA Load	308.5	14.2		294.3	0.95%	6.1	294.3	300.4		
Jamestown Load	69.6	3.2		66.4	0.22%	1.4	66.4	67.8		
Green Island Load	6.2	0.3		5.9	0.02%	0.1	5.9	6.0		
Transmission District Load Served	7,003.6	313.2	13.0	6,677.4	21.62%	139.7	6,677.4	6,817.1	1.0209	6,990.6
Deduction for BTM:NG										
Transmission District Total Load										
<b>Totals</b>	<b>31,541.4</b>	<b>646.4</b>	<b>13.0</b>	<b>30,882.0</b>	<b>100.00%</b>	<b>646.4</b>	<b>30,882.0</b>	<b>31,528.4</b>	<b>1.0209</b>	<b>31,528.4</b>

2021 Load Reconciliation	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
	8/26/2021, Hour Beginning 4 PM V7 - 12/8/21	TOs' W/N MW With DR	Reallocation of Losses			Proportional Allocation of Losses	Adj. W/N Load Less Losses	2021 Adjusted Actual Load (MW)	2021 BTM:NG (1 + WNF)	2021 Adj Load Prior to Loss Adjustment
			W/N Losses	Station Power	Adj. W/N Load Less Losses					
<b>New York Power Authority</b>										
NYPA LSE Load	300.5	3.7		296.8	0.96%	6.2	296.8	303.0		
NYMPA Load	55.1	0.7		54.4	0.18%	1.2	54.4	55.6		
<b>Transmission District Load Served</b>	<b>355.6</b>	<b>4.4</b>		<b>351.2</b>	<b>1.14%</b>	<b>7.4</b>	<b>351.2</b>	<b>358.6</b>	<b>1.0209</b>	<b>355.6</b>
Deduction for BTM:NG										
<b>Transmission District Total Load</b>										
<b>New York State Electric &amp; Gas</b>										
NYSEG LSE Load	2,959.5	51.7		2,907.8	9.42%	60.9	2,907.8	2,968.7		
NYPA Load	47.4	0.8		46.6	0.15%	1.0	46.6	47.6		
NYMPA Load	70.9	1.3		69.6	0.23%	1.5	69.6	71.1		
<b>Transmission District Load Served</b>	<b>3,077.8</b>	<b>53.8</b>		<b>3,024.0</b>	<b>9.79%</b>	<b>63.4</b>	<b>3,024.0</b>	<b>3,087.4</b>	<b>1.0363</b>	<b>3,077.8</b>
Deduction for BTM:NG										
<b>Transmission District Total Load</b>										
<b>Orange &amp; Rockland Utilities</b>										
O&R LSE Load	1,122.4	6.6		1,115.8	3.61%	23.3	1,115.8	1,139.1		
<b>Transmission District Load Served</b>	<b>1,122.4</b>	<b>6.6</b>		<b>1,115.8</b>	<b>3.61%</b>	<b>23.3</b>	<b>1,115.8</b>	<b>1,139.1</b>	<b>1.0209</b>	<b>1,122.4</b>
Deduction for BTM:NG										
<b>Transmission District Total Load</b>										
<b>Rochester Gas &amp; Electric</b>										
RG&E LSE Load	1,558.4	17.2		1,541.2	4.99%	32.3	1,541.2	1,573.5		
NYMPA Load	11.7	0.1		11.6	0.04%	0.3	11.6	11.9		
<b>Transmission District Load Served</b>	<b>1,570.1</b>	<b>17.3</b>		<b>1,552.8</b>	<b>5.03%</b>	<b>32.6</b>	<b>1,552.8</b>	<b>1,585.4</b>	<b>1.0287</b>	<b>1,570.1</b>
Deduction for BTM:NG										
<b>Transmission District Total Load</b>										
<b>Totals</b>	<b>31,541.4</b>	<b>646.4</b>	<b>13.0</b>	<b>30,882.0</b>	<b>100.00%</b>	<b>646.4</b>	<b>30,882.0</b>	<b>31,528.4</b>	<b>1.0209</b>	<b>31,528.4</b>

# 2022 ICAP Forecast Update

## 2022 New York Control Area ICAP Market Peak Load Forecast (MW)

12/8/2021 V7	Transmission Districts	2021 Weather Normalized MW Load+ Losses MW *	(1 + Regional Load Growth Factor)	2022 Load At Time of NYCA Peak *	2022 Large Load Adjustments	2022 ICAP Market Forecast *	2022 Locality Forecasts ^		
							J Locality	K Locality	G-J Locality
<b>Consolidated Edison</b>		12,255.2	1.01900	12,488.0	0.0	12,488.0	10,906.0		12,534.4
<b>Central Hudson</b>		1,066.0	1.00500	1,071.3	0.0	1,071.3			1,085.5
<b>Long Island Power Authority</b>		4,999.2	0.97806	4,889.5	0.0	4,889.5			5,137.5
NYPA & Greenport		106.1	0.97806	103.8	0.0	103.8			
Freeport & Rockville Centre		114.3	0.97806	111.8	0.0	111.8			
<b>LIPA Total</b>		5,219.6	0.97806	5,105.1	0.0	5,105.1			
<b>National Grid</b>		6,405.3	1.00000	6,405.3	55.0	6,460.3			
NYPA		37.6	1.00000	37.6	0.0	37.6			
NYMPA		300.4	1.00000	300.4	0.0	300.4			
Jamestown		67.8	1.00000	67.8	0.0	67.8			
Green Island Power Authority		6.0	1.00000	6.0	0.0	6.0			
<b>National Grid Total</b>		6,817.1	1.00000	6,817.1	55.0	6,872.1			
<b>New York Power Authority</b>		303.0	1.32360	401.1	0.0	401.1			
NYMPA		55.6	1.12690	62.7	0.0	62.7			
<b>NYPA Total</b>		358.6	1.29340	463.8	0.0	463.8			
<b>New York State Electric &amp; Gas</b>		2,968.7	1.00810	2,992.7	90.0	3,082.7			
NYPA		47.6	1.00810	48.0	0.0	48.0			
NYMPA		71.1	1.00810	71.7	0.0	71.7			
<b>NYSEG Total</b>		3,087.4	1.00810	3,112.4	90.0	3,202.4	382.2		
<b>Orange &amp; Rockland Utilities</b>		1,139.1	0.99000	1,127.7	0.0	1,127.7	1,123.1		
<b>Rochester Gas &amp; Electric</b>		1,573.5	0.99740	1,569.4	0.0	1,569.4			
NYMPA		11.9	0.99740	11.9	0.0	11.9			
<b>RG&amp;ETotal</b>		1,585.4	0.99740	1,581.3	0.0	1,581.3			
<b>Total Load in NYCA or Locality</b>		<b>31,528.4</b>	<b>1.00756</b>	<b>31,766.7</b>	<b>145.0</b>	<b>31,911.7</b>	<b>10,906.0</b>	<b>5,137.5</b>	<b>15,125.2</b>

**Notes**

\* Including Reallocated Bulk Power System Losses

^ No Loss Reallocation

BTM:NG Resources are not included in these forecasts

**(1) 2021 Actual Coincident Peak in G to J Locality**

8/26/2021, HB 16

Transmission District	G	H	I	J	G-to-J Total
Con Edison		248.6	1,282.7	10,031.4	11,562.7
Cen Hudson	1,047.7				1,047.7
LIPA					
Nat. Grid					
NYPA					
NYSEG	18.1	341.6			359.7
O&R	1,038.2				1,038.2
RG&E					
<b>Total</b>	<b>2,104.0</b>	<b>590.2</b>	<b>1,282.7</b>	<b>10,031.4</b>	<b>14,008.3</b>

**(2) 2021 Weather-Adjusted Coincident Peak in G to J Locality**

Transmission District	G	H	I	J	G-to-J Total
Con Edison		264.6	1,346.8	10,559.1	12,170.5
Cen Hudson	1,068.7				1,068.7
LIPA					
Nat. Grid					
NYPA					
NYSEG	21.5	353.6			375.1
O&R	1,122.4				1,122.4
RG&E					
<b>Total</b>	<b>2,212.6</b>	<b>618.2</b>	<b>1,346.8</b>	<b>10,559.1</b>	<b>14,736.7</b>

**(3) 2021 Weather-Adjusted Locality Peak for G-to-J**

Transmission District	G	H	I	J	G-to-J Total
Con Edison		267.4	1,361.2	10,672.1	12,300.7
Cen Hudson	1,080.1				1,080.1
LIPA					
Nat. Grid					
NYPA					
NYSEG	21.7	357.4			379.1
O&R	1,134.4				1,134.4
RG&E					
<b>Total</b>	<b>2,236.2</b>	<b>624.8</b>	<b>1,361.2</b>	<b>10,672.1</b>	<b>14,894.3</b>
<b>NCP/CP ratio</b>	<b>1.0107</b>	<b>1.0107</b>	<b>1.0107</b>	<b>1.0107</b>	

**(4) 2022 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		272.5	1,387.1	10,874.8	12,534.4	1.0190
Cen Hudson	1,085.5				1,085.5	1.0050
LIPA						
Nat. Grid						
NYPA						
NYSEG	21.9	360.3			382.2	1.0081
O&R	1,123.1				1,123.1	0.9900
RG&E						
<b>Total</b>	<b>2,230.5</b>	<b>632.8</b>	<b>1,387.1</b>	<b>10,874.8</b>	<b>15,125.2</b>	<b>1.0155</b>

No Loss Reallocation

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

Locality	2021 Weather Adjusted Coincident Peak	Locality NCP to CP Ratio	2021 Locality Weather Adjusted Peak	Regional Load Growth Factor	2022 Locality Forecast
Zone J Locality	10,559.1	1.0136	10,702.7	1.0190	10,906.0
Zone K Locality	5,169.5	1.0161	5,252.5	0.9781	5,137.5

No Loss Reallocation

# 2022 ICAP Forecast Reference Tables



2022 New York Control Area Coincident Peak Load Forecast (MW)						
Reference Forecast Without Proportional Loss Reallocation						
12/8/2021 V7	Transmission Districts	2021 Weather Normalized MW Load + Losses MW ^	(1 + Regional Load Growth Factor)	2022 Load At Time of NYCA Peak ^	2022 Large Load Adjustments	2022 NYCA Coincident Peak Forecast ^
<b>Consolidated Edison</b>		12,170.5	1.01900	12,401.7	0.0	12,401.7
<b>Central Hudson</b>		1,071.9	1.00500	1,077.3	0.0	1,077.3
<b>Long Island Power Authority</b>		4,951.1	0.97806	4,842.5	0.0	4,842.5
NYPA & Greenport		105.1	0.97806	102.8	0.0	102.8
Freeport & Rockville Centre		113.3	0.97806	110.8	0.0	110.8
<b>LIPA Total</b>		5,169.5	0.97806	5,056.1	0.0	5,056.1
<b>National Grid</b>		6,567.7	1.00000	6,567.7	55.0	6,622.7
NYPA		38.6	1.00000	38.6	0.0	38.6
NYMPA		308.5	1.00000	308.5	0.0	308.5
Jamestown		69.6	1.00000	69.6	0.0	69.6
Green Island Power Authority		6.2	1.00000	6.2	0.0	6.2
<b>National Grid Total</b>		6,990.6	1.00000	6,990.6	55.0	7,045.6
<b>New York Power Authority</b>		300.5	1.32360	397.7	0.0	397.7
NYMPA		55.1	1.12690	62.1	0.0	62.1
<b>NYPA Total</b>		355.6	1.29340	459.8	0.0	459.8
<b>New York State Electric &amp; Gas</b>		2,959.5	1.00810	2,983.5	90.0	3,073.5
NYPA		47.4	1.00810	47.8	0.0	47.8
NYMPA		70.9	1.00810	71.5	0.0	71.5
<b>NYSEG Total</b>		3,077.8	1.00810	3,102.8	90.0	3,192.8
<b>Orange &amp; Rockland Utilities</b>		1,122.4	0.99000	1,111.2	0.0	1,111.2
<b>Rochester Gas &amp; Electric</b>		1,558.4	0.99740	1,554.3	0.0	1,554.3
NYMPA		11.7	0.99740	11.7	0.0	11.7
<b>RG&amp;E Total</b>		1,570.1	0.99740	1,566.0	0.0	1,566.0
<b>NYCA Coincident Peak Load</b>		<b>31,528.4</b>	<b>1.00752</b>	<b>31,765.5</b>	<b>145.0</b>	<b>31,910.5</b>

**Notes**

^ No Loss Reallocation

BTM:NG Resources 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 RLGf's prior to proportional reallocation of bulk power system losses.

### Zonal Peak Load Shares by TD

	A	B	C	D	E	F	G	H	I	J	K	Total
Con Edison								0.0217	0.1107	0.8676		1.0000
Cen Hudson					0.0030		0.9970					1.0000
LIPA											1.0000	1.0000
Nat. Grid	0.2832	0.0599	0.1900	0.0123	0.1308	0.3238						1.0000
NYPA				1.0000								1.0000
NYSEG	0.2186		0.4411	0.0312	0.1326	0.0546	0.0070	0.1149				1.0000
O&R							1.0000					1.0000
RG&E		1.0000										1.0000

## 2021 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								264.6	1,346.8	10,559.1		12,170.5
Cen Hudson					3.2		1,068.7					1,071.9
LIPA											5,169.5	5,169.5
Nat. Grid	1,983.4	419.5	1,330.7	86.1	916.1	2,254.8						6,990.6
NYPA				355.6								355.6
NYSEG	672.8		1,357.8	96.0	408.1	168.0	21.5	353.6				3,077.8
O&R							1,122.4					1,122.4
RG&E		1,570.1										1,570.1
<b>Total</b>	<b>2,656.2</b>	<b>1,989.6</b>	<b>2,688.5</b>	<b>537.7</b>	<b>1,327.4</b>	<b>2,422.8</b>	<b>2,212.6</b>	<b>618.2</b>	<b>1,346.8</b>	<b>10,559.1</b>	<b>5,169.5</b>	<b>31,528.4</b>

Includes station power deduction (National Grid Zone F).

**2022 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								269.6	1,372.4	10,759.7		12,401.7	1.0190
Cen Hudson					3.2		1,074.1					1,077.3	1.0050
LIPA											5,056.1	5,056.1	0.9781
Nat. Grid	1,983.4	419.5	1,330.7	86.1	916.1	2,254.8						6,990.6	1.0000
NYPA				459.8								459.8	1.2931
NYSEG	678.2		1,368.8	96.8	411.4	169.4	21.7	356.5				3,102.8	1.0081
O&R							1,111.2					1,111.2	0.9900
RG&E		1,566.0										1,566.0	0.9974
<b>Total</b>	<b>2,661.6</b>	<b>1,985.5</b>	<b>2,699.5</b>	<b>642.7</b>	<b>1,330.7</b>	<b>2,424.2</b>	<b>2,207.0</b>	<b>626.1</b>	<b>1,372.4</b>	<b>10,759.7</b>	<b>5,056.1</b>	<b>31,765.5</b>	<b>1.0075</b>

No Loss Reallocation

## 2022 Large Load Forecast

	A	B	C	D	E	F	G	H	I	J	K	Total
Con Edison								0.0	0.0	0.0		0.0
Cen Hudson					0.0		0.0					0.0
LIPA											0.0	0.0
Nat. Grid	55.0	0.0	0.0	0.0	0.0	0.0						55.0
NYPA				0.0								0.0
NYSEG	90.0		0.0	0.0	0.0	0.0	0.0	0.0				90.0
O&R							0.0					0.0
RG&E		0.0										0.0
<b>Total</b>	<b>145.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>145.0</b>

### 2022 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								269.6	1,372.4	10,759.7		12,401.7
Cen Hudson					3.2		1,074.1					1,077.3
LIPA											5,056.1	5,056.1
Nat. Grid	2,038.4	419.5	1,330.7	86.1	916.1	2,254.8						7,045.6
NYPA				459.8								459.8
NYSEG	768.2		1,368.8	96.8	411.4	169.4	21.7	356.5				3,192.8
O&R							1,111.2					1,111.2
RG&E		1,566.0										1,566.0
<b>Total</b>	<b>2,806.6</b>	<b>1,985.5</b>	<b>2,699.5</b>	<b>642.7</b>	<b>1,330.7</b>	<b>2,424.2</b>	<b>2,207.0</b>	<b>626.1</b>	<b>1,372.4</b>	<b>10,759.7</b>	<b>5,056.1</b>	<b>31,910.5</b>

**No Loss Reallocation.** The NYCA Coincident Peak forecast of 31,910.5 MW differs from the ICAP Market forecast of 31,911.7 MW due to the application of the Transmission District RLGs prior to proportional reallocation of bulk power system losses.

## 2022 Transmission District Forecast of BTM:NG Resources

	Transmission District	2021 Peak Proxy Load	(1 + WNF)	(1 + RLGf)	2022 Average Coincident Host Load
Row	(a)	(b)	(c)	(d)	(e)=(b)*(c)*(d)
1	Con-Ed	22.7	1.0209	1.0190	23.6
2	Central Hudson				
3	LIPA	40.6	1.0360	0.9781	41.1
4	National Grid	2.0	1.0209	1.0000	2.0
5	NYPA				
6	NYSEG	39.8	1.0363	1.0081	41.6
7	O&R				
8	RG&E	52.1	1.0287	0.9974	53.5
	Total	157.2			161.8

**2022 Coincident Peak Forecast, Including Large Loads and BTM:NG Resources**

	A	B	C	D	E	F	G	H	I	J	K	Total
Con Edison								269.6	1,372.4	10,783.3		12,425.3
Cen Hudson					3.2		1,074.1					1,077.3
LIPA											5,097.2	5,097.2
Nat. Grid	2,038.4	419.5	1,330.7	86.1	918.1	2,254.8						7,047.6
NYPA				459.8								459.8
NYSEG	768.2		1,410.4	96.8	411.4	169.4	21.7	356.5				3,234.4
O&R							1,111.2					1,111.2
RG&E		1,619.5										1,619.5
<b>Total</b>	<b>2,806.6</b>	<b>2,039.0</b>	<b>2,741.1</b>	<b>642.7</b>	<b>1,332.7</b>	<b>2,424.2</b>	<b>2,207.0</b>	<b>626.1</b>	<b>1,372.4</b>	<b>10,783.3</b>	<b>5,097.2</b>	<b>32,072.3</b>

BTM:NG & Load Modifiers	53.5	41.6		2.0					23.6	41.1		<b>161.8</b>
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These BTM:NG values are included in the table above.

**No Loss Reallocation.** The BTM:NG resources totaling 161.8 MW are added to the NYCA Coincident Peak forecast of 31,910.5 MW to obtain an adjusted coincident peak value of 32,072.3 MW. The information in this table may be used in future IRM and LCR studies, and is not part of the 2022 ICAP Market forecast.



2022 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>							2,230.5	632.8	1,387.1	10,874.8		15,125.2
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	23.6		23.6
2022 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>							2,230.5	632.8	1,387.1	10,898.4		15,148.8
<b>NCP Ratio</b>							1.0107	1.0107	1.0107	1.0107		1.0107

No Loss Reallocation

2022 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	2,817.8	2,048.4	2,764.3	657.7	1,388.2	2,463.0	2,243.6	634.6	1,391.2	10,906.0	5,137.5
2022 Large Load Forecast											
	A	B	C	D	E	F	G	H	I	J	K
Large Loads	145.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2022 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	2,962.8	2,048.4	2,764.3	657.7	1,388.2	2,463.0	2,243.6	634.6	1,391.2	10,906.0	5,137.5
BTM:NG Resources											
	A	B	C	D	E	F	G	H	I	J	K
BTM:NG	0.0	53.5	41.6	0.0	2.0	0.0	0.0	0.0	0.0	23.6	41.1
2022 Non-Coincident Zonal Peak Forecasts, Including Large Loads and BTM:NG Resources											
	A	B	C	D	E	F	G	H	I	J	K
NC Peaks	2,962.8	2,101.9	2,805.9	657.7	1,390.2	2,463.0	2,243.6	634.6	1,391.2	10,929.6	5,178.6
NCP Ratios	1.0587	1.0317	1.0240	1.0234	1.0432	1.0160	1.0166	1.0136	1.0136	1.0136	1.0161

No Loss Reallocation

# ICAP Forecast Finalization and Next Steps

- The NYISO and the pertinent Transmission Owners will develop finalized forecasts for the interconnecting large loads.
- The NYISO will continue its review of the ICAP forecast materials, and make other updates as necessary. We do not anticipate any significant changes to other items in the ICAP peak forecasts.
- The final 2022 ICAP forecast will be posted upon completion, with an additional LFTF teleconference scheduled to review the final forecast if necessary.

# Questions?

# Our mission, in collaboration with our stakeholders, is to serve the public interest and provide benefit to consumers by:

- Maintaining and enhancing regional reliability
- Operating open, fair and competitive wholesale electricity markets
- Planning the power system for the future
- Providing factual information to policymakers, stakeholders and investors in the power system

