

2022 Preliminary Weather Normalized Peak MW Update for the 2023 ICAP Forecast

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Agenda

- **Summary of Updates since 11/4 LFTF**
- **Proportional Loss Reallocation**
- **2022 Preliminary Weather Normalized Peak Load Update**
- **Reference Material and Next Steps**

Summary of Updates since Nov 4 LFTF

- **No updates to DSS NYCA peak hour load values (July 20, 2022, Hour Beginning 17)**
 - NYSEG provided an updated load value which matches NYISO DSS data, resulting in a 3 MW decrease to the weather normalized peak
- **No changes to NYCA peak hour demand response impacts or municipal load and self generation values**
- **Updated NYSEG and RG&E coincident peak weather adjustments**
 - NYSEG: 38 MW decrease in weather adjusted peak
 - RG&E: 6 MW decrease in weather adjusted peak
- **The resulting NYCA aggregate update to the 2022 weather normalized peak is a decrease of 47 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.**
 - Reallocation of losses is shown in the preliminary 2022 weather normalized peak load update presented today
- **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.**
 - Locality forecasts will be presented during future LFTF meetings

2022 Preliminary Weather Normalized Peak Load Update

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					
V2 - 11/11/22		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
Consolidated Edison												
Con-Ed LSE Load							11,284.3	154.6	11,438.9	765.7	243.4	12,448.0
Transmission District Load Served							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			
Transmission District Total Load		11,284.3	154.6		11,438.9	1.4%	11,284.3	154.6	11,438.9			
Central Hudson												
Central Hudson LSE Load							1,011.8	28.6	1,040.4	-1.0	0.0	1,039.4
Transmission District Load Served							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			
Transmission District Total Load		1,011.8	28.6		1,040.4	2.7%	1,011.8	28.6	1,040.4			
Long Island Power Authority												
LIPA LSE Load							4,852.0	49.1	4,901.1	-71.7	13.5	4,842.9
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	-1.6	0.0	107.9
Transmission District Load Served							5,071.2	51.3	5,122.5	-74.9	13.5	5,061.1
Deduction for BTM:NG							0.0	0.0	0.0			
Transmission District Total Load		5,071.2	51.3	0.0	5,122.5	1.0%	5,071.2	51.3	5,122.5			
National Grid												
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
Transmission District Load Served							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			
Transmission District Total Load		6,352.3	363.4	59.8	6,775.5	5.4%	6,412.1	363.4	6,775.5			
Totals		29,743.2	676.4	59.8	30,479.4	2.2%	29,802.1	676.4	30,478.5	655.7	562.1	31,696.3

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					
V2 - 11/11/22		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
New York Power Authority												
NYPA LSE Load							418.2	2.0	420.2	-0.4	0.0	419.8
NYMPA Load							54.1	0.3	54.4	0.0	0.0	54.4
Transmission District Load Served							472.3	2.3	474.6	-0.4	0.0	474.2
Deduction for BTM:NG							0.0	0.0	0.0			
Transmission District Total Load		473.2	2.3	475.5	0.5%	472.3	2.3	474.6				
New York State Electric & Gas												
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
Transmission District Load Served							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			
Transmission District Total Load		3,026.8	54.8	3,081.6	1.8%	3,026.8	54.8	3,081.6				
Orange & Rockland Utilities												
O&R LSE Load							1,030.7	8.0	1,038.7	29.7	0.0	1,068.4
Transmission District Load Served							1,030.7	8.0	1,038.7	29.7	0.0	1,068.4
Deduction for BTM:NG							0.0	0.0	0.0			
Transmission District Total Load		1,030.7	8.0	1,038.7	0.8%	1,030.7	8.0	1,038.7				
Rochester Gas & Electric												
RG&E LSE Load							1,481.0	13.3	1,494.3	4.9	6.7	1,505.9
NYMPA Load							11.9	0.1	12.0	0.0	0.0	12.0
Transmission District Load Served							1,492.9	13.4	1,506.3	4.9	6.7	1,517.9
Deduction for BTM:NG							0.0	0.0	0.0			
Transmission District Total Load		1,492.9	13.4	1,506.3	0.9%	1,492.9	13.4	1,506.3				
Totals		29,743.2	676.4	59.8	30,479.4	2.2%	29,802.1	676.4	30,478.5	655.7	562.1	31,696.3

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 V2 - 11/11/22	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					
Consolidated Edison										
Con-Ed LSE Load	12,448.0	168.2		12,279.8	39.64%	277.6	12,279.8	12,557.4		
Transmission District Load Served	12,448.0	168.2		12,279.8	39.64%	277.6	12,279.8	12,557.4	1.0226	12,448.0
Deduction for BTM:NG										
Transmission District Total Load										
Central Hudson										
Central Hudson LSE Load	1,039.4	28.6		1,010.8	3.26%	22.8	1,010.8	1,033.6		
Transmission District Load Served	1,039.4	28.6		1,010.8	3.26%	22.8	1,010.8	1,033.6	1.0226	1,039.4
Deduction for BTM:NG										
Transmission District Total Load										
Long Island Power Authority										
LIPA LSE Load	4,842.9	48.5		4,794.4	15.47%	108.2	4,794.4	4,902.6		
NYPA Load & Greenport Load	110.3	1.1		109.2	0.35%	2.4	109.2	111.6		
Freeport & Rockville Centre Load	107.9	1.1		106.8	0.34%	2.4	106.8	109.2		
Transmission District Load Served	5,061.1	50.7		5,010.4	16.17%	113.0	5,010.4	5,123.4	1.0226	5,061.1
Deduction for BTM:NG										
Transmission District Total Load										
National Grid										
National Grid LSE	6,526.8	349.3	13.0	6,164.5	19.90%	139.2	6,164.5	6,303.7		
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		
Transmission District Load Served	6,941.3	372.3	13.0	6,556.0	21.16%	148.0	6,556.0	6,704.0	1.0226	6,928.3
Deduction for BTM:NG										
Transmission District Total Load										
Totals	31,696.3	699.7	13.0	30,983.6	100.00%	699.7	30,983.6	31,683.3	1.0226	31,683.3

2022 Load Reconciliation	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
	7/20/2022, Hour Beginning 5 PM V2 - 11/11/22	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					
New York Power Authority										
NYP&E LSE Load	419.8	2.0		417.8	1.35%	9.4	417.8	427.2		
NYMP&A Load	54.4	0.3		54.1	0.17%	1.2	54.1	55.3		
Transmission District Load Served	474.2	2.3		471.9	1.52%	10.6	471.9	482.5	1.0226	474.2
Deduction for BTM:NG										
Transmission District Total Load										
New York State Electric & Gas										
NYSEG LSE Load	3,029.3	53.8		2,975.5	9.60%	67.2	2,975.5	3,042.7		
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		
Transmission District Load Served	3,146.0	55.9		3,090.1	9.97%	69.8	3,090.1	3,159.9	1.0226	3,146.0
Deduction for BTM:NG										
Transmission District Total Load										
Orange & Rockland Utilities										
O&R LSE Load	1,068.4	8.2		1,060.2	3.42%	23.9	1,060.2	1,084.1		
Transmission District Load Served	1,068.4	8.2		1,060.2	3.42%	23.9	1,060.2	1,084.1	1.0226	1,068.4
Deduction for BTM:NG										
Transmission District Total Load										
Rochester Gas & Electric										
RG&E LSE Load	1,505.9	13.4		1,492.5	4.82%	33.7	1,492.5	1,526.2		
NYMP&A Load	12.0	0.1		11.9	0.04%	0.3	11.9	12.2		
Transmission District Load Served	1,517.9	13.5		1,504.4	4.86%	34.0	1,504.4	1,538.4	1.0226	1,517.9
Deduction for BTM:NG										
Transmission District Total Load										
Totals	31,696.3	699.7	13.0	30,983.6	100.00%	699.7	30,983.6	31,683.3	1.0226	31,683.3

Reference Material & Next Steps

Reference Material

- **ICAP Forecast Process Example**

- Posted under the 11/16/2021 LFTF ([link](#))

- **Final 2023 IRM Forecast**

- Posted under the 9/27/2022 LFTF ([link](#))

- **2022 Preliminary Weather Normalized Peak for the 2023 ICAP Forecast**

- Posted under the 11/4/2022 LFTF ([link](#))

- Includes economic data to be used in the NYISO evaluation of Transmission Owner RLGFs (slides 10-14)

Next Steps

- **Transmission Owner updates to actual load, demand response, weather adjustments, and station power values will be reviewed and incorporated as appropriate**
- **Transmission Owners are to provide final large load facility forecasts by 11/21, and any updates to final Regional Load Growth Factors (RLGFs) by 11/23**
- **Updated 2022 weather normalized peak information will be reviewed during the 12/5 LFTF**
- **Results from the NYISO Criteria evaluation of Transmission District RLGFs will be reviewed during the 12/5 LFTF**
- **2023 NYCA, Locality, and Zonal forecasts will be reviewed during the 12/5 and 12/19 LFTF meetings**

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