

2023 Peak Dates & Times, & 2024 IRM and ICAP Forecast Schedules

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Agenda

- **2023 NYCA and Locality Peak Hours**
- **IRM and ICAP Forecast Descriptions**
- **2024 IRM Forecast Schedule**
- **2024 Projected Large Load Values**
- **2024 ICAP Forecast Schedule**

2023 Peak Dates & Times

2023 NYCA Summer Coincident Peak & Locality Peaks

Location	Date	Hour Beginning	Hour Ending	MW
2023 NYCA Summer Coincident Peak	7/28/2023	17	18	28,735
2023 G-to-J Locality Peak	7/27/2023	17	18	13,768
2023 Zone J Locality Peak	7/27/2023	16	17	10,043
2023 Zone K Locality Peak	7/28/2023	17	18	4,955

Based on NYISO Energy Management System Data.

Time is in Eastern Daylight Time.

The ICAP market peak hour is constrained to July and August non-holiday weekdays.

Data is as of August 25, 2023. In the event higher peaks are set after this date, this information will be reposted.

Note: Demand response and weather adjustments have yet to be added to the zonal non-coincident peaks. Final weather-adjusted peak values will be adjusted higher to reflect the cooler than normal weather conditions and the addition of demand-response.

IRM and ICAP Forecasts

IRM Forecast

- Delivered to New York State Reliability Council (NYRSC)
- Used in modeling that determines Installed Reserve Margin (IRM) and Locational Capacity Requirement (LCR) percentages
- Forecast is the product of preliminary Transmission District weather-normalized peaks and Regional Load Growth Factors (RLGFs), plus large load growth
- Weather normalized peaks incorporate preliminary weather adjustments and demand response impacts on peak day
- Final IRM forecast includes BTM:NG resource peak load impacts
- Primary forecast outputs:
 - Zonal coincident peak forecasts
 - Zonal non-coincident peak forecasts

ICAP Forecast

- Used in calculations of capacity obligations for Installed Capacity (ICAP) market
- Forecast is the product of final Transmission District weather-normalized peaks and Regional Load Growth Factors (RLGFs), plus large load growth
- Weather normalized peaks incorporate final weather adjustments and demand response impacts on peak day
- NYCA peak forecast includes proportional allocation of losses across Transmission Districts
- Primary forecast outputs:
 - Transmission District NYCA ICAP peak forecasts
 - Locality peak forecasts (J, K, and G-J)

2024 IRM Forecast Schedule

NYSRC Fall Forecast Timeline for the 2024 IRM Study

Event	Responsible Parties	Due Date
Provide Economic Outlook for 2024	Moody's Analytics	Aug. 2023
Post 2023 NYCA Peak MW, Date & Time	NYISO	8/28
Post NYISO Values of Zones J, K, & G-to-J Peak MWs, Dates & Times	NYISO	8/28
Post Projected 2024 Large Load Values by Zone and Transmission District	NYISO	8/28
<i>Posting date for Teleconference</i>	NYISO	8/28
Load Forecasting Task Force Teleconference	All Parties	8/31/2023
Post Preliminary Transmission District Weather Normalized Peaks	NYISO	9/6
Post Preliminary Regional Load Growth Factors	NYISO	9/6
Post Preliminary Non-Coincident to Coincident Peak Ratios	NYISO	9/6
<i>Posting date for Teleconference</i>	NYISO	9/6
Load Forecasting Task Force Teleconference	All Parties	9/11/2023

2024 IRM Forecast Schedule (cont.)

Event	Responsible Parties	Due Date
Provide Actual Load at Time of NYCA Peak	TO/MES	9/15
Provide Weather-Normalized Load at Time of NYCA Peak	TO/MES	9/15
Provide Actual Load at Time of Zone J, K, and/or G-to-J Peak	TO/MES	9/15
Provide Weather-Normalized Load at Time of Zone J, K, and/or G-to-J Peak	TO/MES	9/15
Provide Updates of Regional Load Growth Factors	TO/MES	9/19
Provide Quarterly Large Load Facility Forecast Updates	TO	9/19
Estimate Demand Response Impacts during NYCA Peak Hour	NYISO	9/19
Project BTM:NG Load for 2024 Peak	NYISO	9/19
Project DER Aggregation Impacts on 2024 Peak	NYISO	9/19
Review 2024 Preliminary NYSRC Forecast	All Parties	9/22
<i>Posting date for Teleconference</i>	NYISO	9/25
LFTF Teleconference - Final Review of 2024 NYSRC Peak Forecast	All Parties	9/28/2023
Deliver Final 2024 IRM Study NYCA Peak Forecast to NYSRC	NYISO	10/2/2023
NYSRC Installed Capacity Subcommittee Meeting	NYSRC	10/4/2023

Preliminary Large Load Projections for 2024 IRM Forecast

2024 Projected Large Load Peak Values

by Zone		by Transmission District	
Zone A	110 MW	National Grid	261 MW
Zone B	151 MW	NYPA	169 MW
Zone C	50 MW	NYSEG	50 MW
Zone D	169 MW		

NYCA Total : 480 MW

- *Includes information provided as of August 18th.*
- *Transmission Owners are to provide updated large load projections for use in the 2024 IRM forecast by September 19th.*

2024 ICAP Forecast Schedule

2024 ICAP Forecast Reporting Timeline

Event	Responsible Parties	Due Date	LF Manual Section	NERC MOD-031-3
Provide Economic Outlook for 2024	Moody's Analytics	Aug. 2023		
Post ICAP Forecast Schedule for Data Submissions and Analyses	NYISO	8/28	2.1	R1 1.2
Post 2023 NYCA Peak MW, Date & Time	NYISO	8/28	2.1	
Post NYISO Values of Zones J, K, & G-to-J Peak MWs, Dates & Times	NYISO	8/28	2.1	
Post Projected 2024 Large Load Values by Zone and Transmission District	NYISO	8/28	2.1	
<i>Posting date for Teleconference</i>	NYISO	8/28		
Load Forecasting Task Force Teleconference	All Parties	8/31/2023		
<i>Preliminary 2023 Weather Normalized Peaks</i>	NYISO	9/6		
Load Forecasting Task Force Teleconference	All Parties	9/11/2023		
<i>Compilation of 2024 IRM Study Peak Forecast</i>	All Parties	9/25		
Load Forecasting Task Force Teleconference	All Parties	9/28/2023		
NYSRC Installed Capacity Subcommittee Meeting	All Parties	10/4/2023		
TOs Report Actual Load & Demand Response at Time of NYCA & Locality Peaks	TO/MES	10/13	2.2.2, 2.2.6, 2.2.9	R1 1.3.4
SCR & EDRP Resources Report Data to NYISO	SCR/EDRP Providers	10/13	2.2, 2.2.6	
BTM:NG Resources Report Peak Proxy Load Data to NYISO	BTM:NG Resources	10/13	2.2, 2.2.7	
Post Economic Data for Criteria 2&3	NYISO	10/13	2.1	
<i>Posting date for Fall Economic Conference</i>	NYISO/Moody's	10/13		
Load Forecasting Task Force - Fall Economic Conference	All Parties	10/18/2023		

2024 ICAP Forecast Schedule (cont.)

Event	Responsible Parties	Due Date	LF Manual Section	NERC MOD-031-3
All DR Impacts from SCR & EDRP Programs Determined	NYISO	10/31	2.1	
Preliminary Weather Normalized Peak MW for the 2024 ICAP Forecast	NYISO	10/31	2.1	
<i>Posting date for Teleconference</i>	NYISO	10/31		
Load Forecasting Task Force Teleconference	All Parties	11/3/2023		
Submit Updates to Actual Load at Time of NYCA and Locality Peaks	TO/MES	11/8	2.2.2, 2.2.9	R1 1.3.1
Submit Updates to Demand Response Impacts at Time of NYCA and Locality Peaks	TO/MES	11/8	2.2.6, 2.2.9	
Submit Weather-Normalized Load at Time of NYCA Peak	TO/MES	11/8	2.2.4, 2.2.5	R1 1.3.2.1
Submit Weather-Normalized Load at Time of Locality Peaks	TO/MES	11/8	2.2.9	R1 1.3.2.1
Review SCR/EDRP Data Demand Response Impacts	All Parties	11/10	2.2.6, 2.3.1	
Review BTM:NG Resource Load Impacts	All Parties	11/10	2.2.7, 2.3.3	
Reconciliation of Actual TO & Municipal Load Data	NYISO	11/15	2.3.1	
Evaluation of Weather-Normalized Loads at Time of NYCA Peak	NYISO	11/15	2.3.7	
Evaluation of Weather-Normalized Zone J, Zone K, and G-to-J Locality Peaks	NYISO	11/15	2.3.11	
Weather Normalized Peak MW Update for the 2024 ICAP Forecast	NYISO	11/15	2.1	
<i>Posting date for Teleconference</i>	NYISO	11/15		
Load Forecasting Task Force Teleconference	All Parties	11/20/2023		

2024 ICAP Forecast Schedule (cont.)

Event	Responsible Parties	Due Date	LF Manual Section	NERC MOD-031-3
Submit Final TO/MES Regional Load Growth Factors	TO/MES	11/22	2.2.11	R1 1.5.1
Provide Final Large Load Facility Forecasts to be used in ICAP Forecast	TO	11/22	2.2.3, 2.2.11	
Submit Model Documentation to NYISO	TO/MES	11/27	2.2.4	
Determination of 2024 BTM:NG Average Coincident Host Load	NYISO	12/4	2.1, 2.2.7	
Determination of DER Aggregation Impacts on 2024 Peak	NYISO	12/4	2.3.5	
Finalize Criteria 1, 2 & 3	NYISO	12/4	2.3.9	
Evaluation of Regional Load Growth Factors	NYISO	12/4	2.3.9	
Post Final Non-Coincident to Coincident Peak Load Ratios	NYISO	12/4		
Compile 2024 Transmission District, Municipal, and Locality Forecasts	NYISO/TOs	12/4	2.3.10, 2.3.11	
Post Preliminary 2024 ICAP Forecast & Locality Forecasts	NYISO	12/4	2.1	
<i>Posting date for Teleconference</i>	NYISO	12/4		
Load Forecasting Task Force Teleconference	All Parties	12/7/2023		
Comment and Dispute Resolution Period on Weather Normalization Results	All Parties	12/12	2.3.7	
Comment and Dispute Resolution Period on Regional Load Growth Factors	All Parties	12/12	2.3.9	
Final 2024 ICAP Forecast or Forecast Update (NYCA and Locality Forecasts)	NYISO	12/14	2.1	
<i>Posting date for Teleconference</i>	NYISO	12/14		
Load Forecasting Task Force Teleconference	All Parties	12/19/2023		
Final 2024 ICAP Forecast Posting Deadline	NYISO	12/29/2023	2.1	
<i>NYCA ICAP Peak Forecast; and G-to-J, Zone J, and Zone K Locality Peak Forecasts</i>				

Note: Dates of LFTF meetings are subject to change.

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