

# Updated Summer 2023 Peak Load & Weather Experience

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**Load Forecasting Task Force**

September 28, 2023

# Agenda

- Daily System Peak Loads
- Daily Regional Peak Loads
- Summer 2023 July & September Peaks
- Early September Weather

## Notes

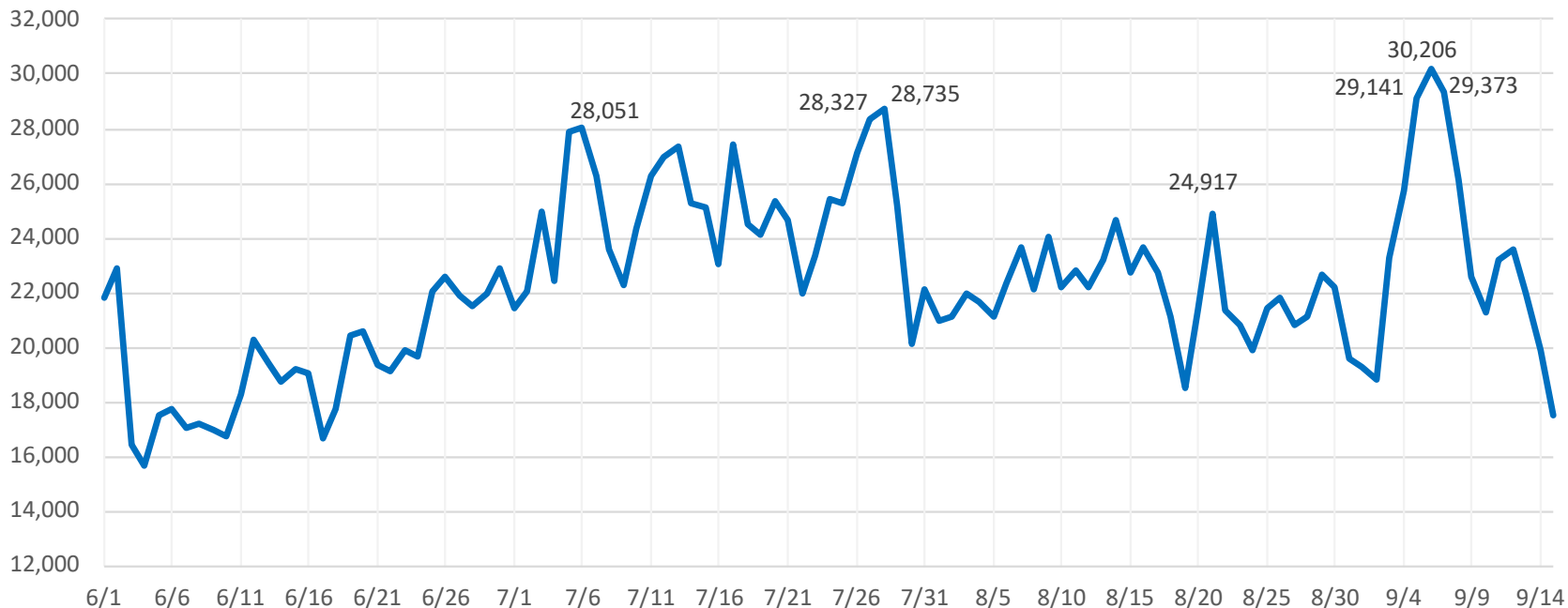
*Data presented is from 6/1/23 through 9/15/23*

*Loads presented have not been adjusted for weather or demand response impacts*

# Daily System Peak Loads

## Summer 2023 NYCA Daily Peaks (MW)

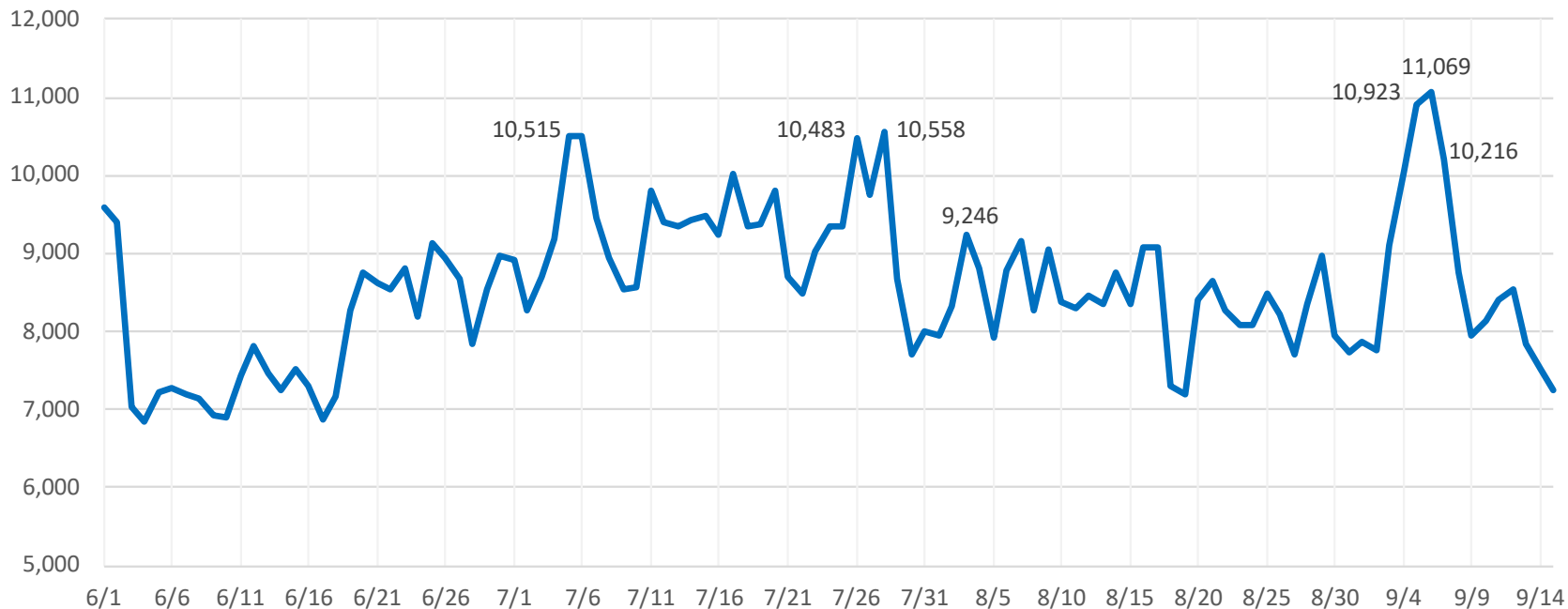
Summer Peaks: 28,735 MW on July 28; 30,206 MW on September 6



# Daily Upstate (A to F) Peak Loads

## Summer 2023 Upstate Daily Peaks (MW)

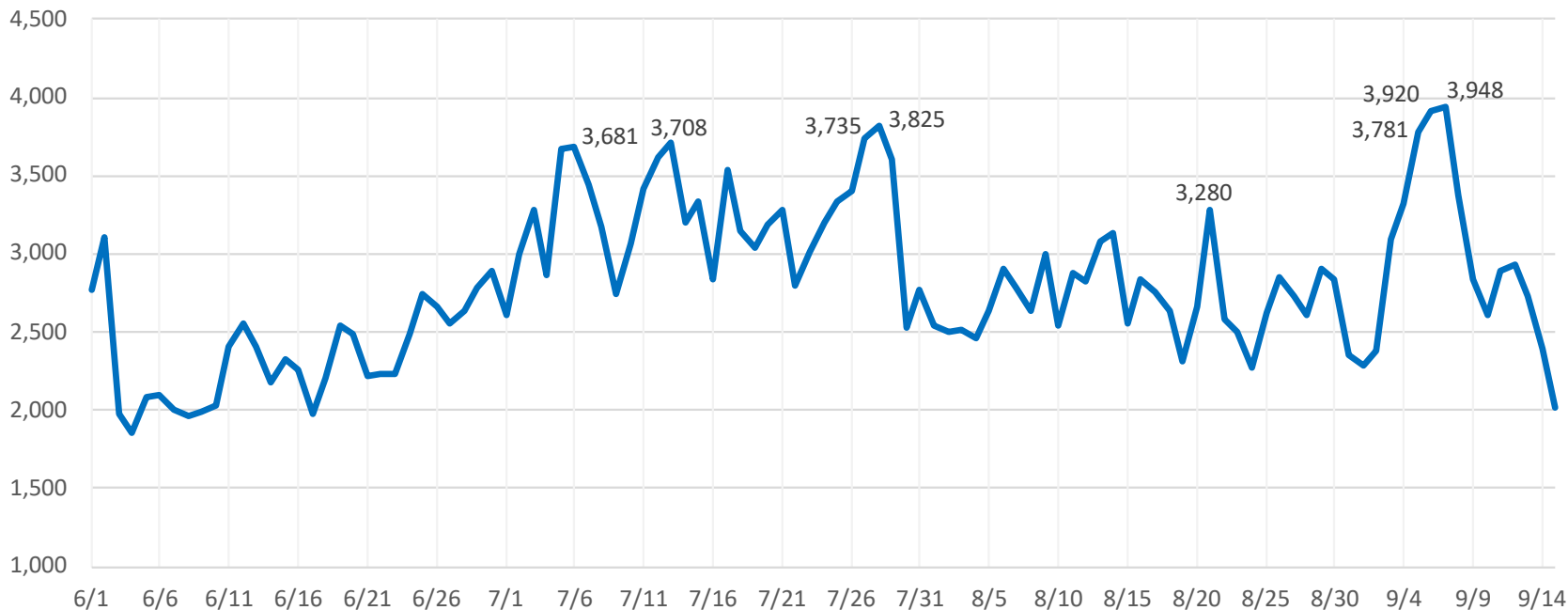
Summer Peaks: 10,558 MW on July 28; 11,069 MW on September 6



# Daily Zones G to I Peak Loads

## Summer 2023 Zones G to I Daily Peaks (MW)

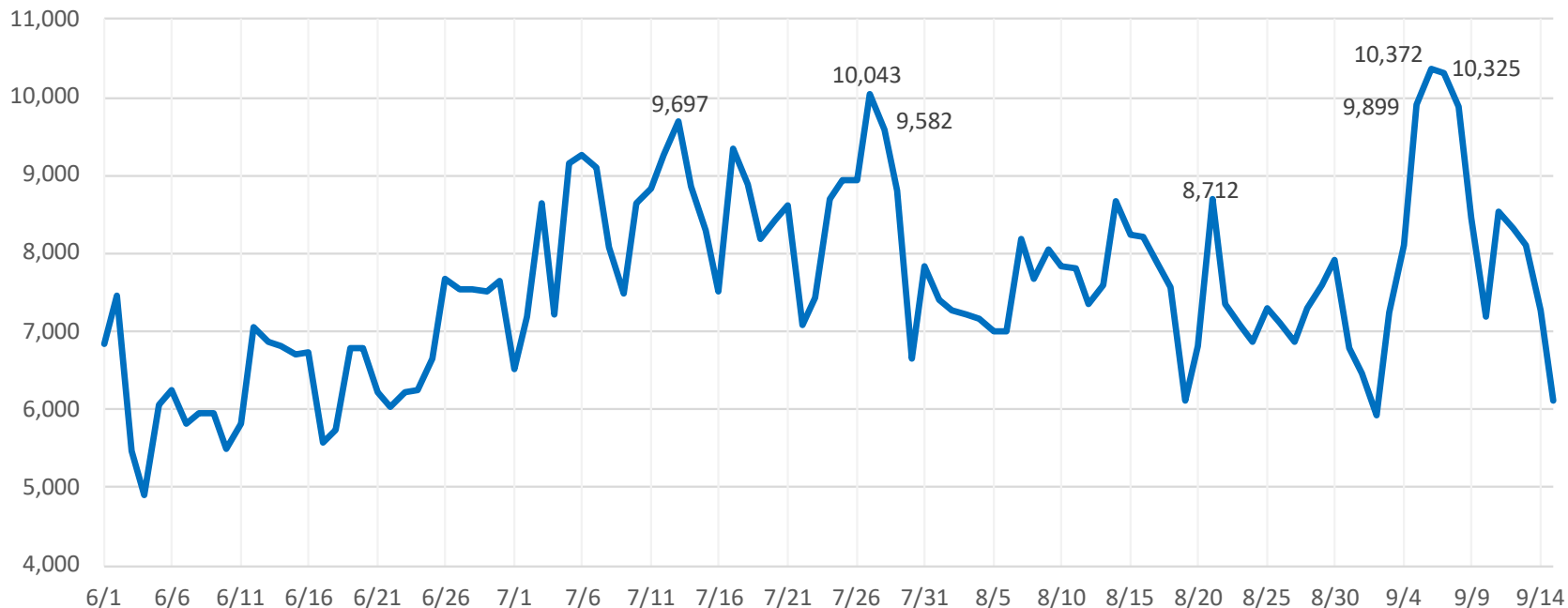
Summer Peaks: 3,825 MW on July 28; 3,948 MW on September 7



# Daily Zone J Peak Loads

## Summer 2023 Zone J Daily Peaks (MW)

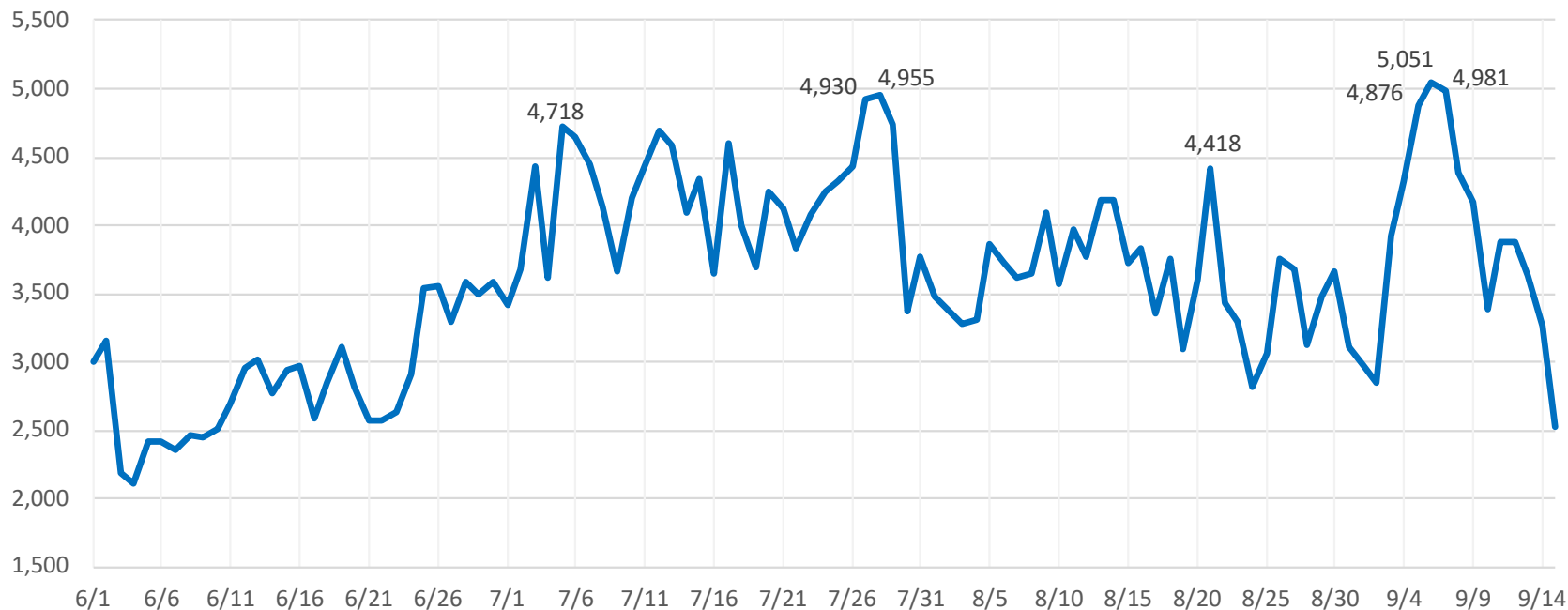
Summer Peaks: 10,043 MW on July 27; 10,372 MW on September 6



# Daily Zone K Peak Loads

## Summer 2023 Zone K Daily Peaks (MW)

Summer Peaks: 4,955 MW on July 28; 5,051 MW on September 6



# Summer 2023 July & September Peaks

Zone	July Peak Hour	July Peak MW	September Peak Hour	September Peak MW	Difference MW
A	7/26/23 17:00	2,484	9/6/23 16:00	2,524	40
B	7/6/23 16:00	1,748	9/6/23 19:00	1,856	108
C	7/6/23 18:00	2,599	9/6/23 19:00	2,730	131
D	7/6/23 18:00	703	9/5/23 20:00	691	-12
E	7/28/23 18:00	1,294	9/6/23 20:00	1,283	-11
F	7/6/23 18:00	2,082	9/7/23 18:00	2,235	153
G	7/28/23 18:00	2,033	9/7/23 18:00	2,042	10
H	7/28/23 17:00	634	9/6/23 18:00	664	30
I	7/27/23 17:00	1,222	9/7/23 17:00	1,259	37
J	7/27/23 16:00	10,043	9/6/23 17:00	10,372	329
K	7/28/23 17:00	4,955	9/6/23 18:00	5,051	96
<b>NYCA</b>	<b>7/28/23 17:00</b>	<b>28,735</b>	<b>9/6/23 17:00</b>	<b>30,206</b>	<b>1,471</b>
<b>G-to-J</b>	<b>7/27/23 17:00</b>	<b>13,768</b>	<b>9/6/23 17:00</b>	<b>14,277</b>	<b>508</b>



# Early September Weather

Zonal CTHI on September NCP Days

Zone	Peak	5-Sep	6-Sep	7-Sep
A	9/6	80.2	82.0	78.4
B	9/6	82.5	83.5	79.3
C	9/6	82.9	83.4	82.7
D	9/5	81.9	82.9	82.0
E	9/6	80.6	81.5	81.2
F	9/7	83.3	84.2	84.8
G	9/7	83.4	84.1	85.1
H	9/6	83.4	84.3	85.4
I	9/7	83.4	84.4	85.1
J	9/6	83.5	84.8	85.6
K	9/6	83.9	85.0	85.5
NYCA	9/6	82.7	83.8	83.4

Design CTHI

81.2
82.9
82.9
82.2
82.4
84.2
85.5
85.7
85.9
86.5
84.7
84.1

Zonal Percentiles

Relative to Coincident Peak-Producing Zonal CTHI

Zone	5-Sep	6-Sep	7-Sep
A	33%	64%	10%
B	43%	61%	4%
C	50%	59%	46%
D	46%	59%	47%
E	20%	33%	29%
F	35%	50%	60%
G	21%	31%	50%
H	20%	32%	52%
I	23%	38%	52%
J	18%	37%	52%
K	36%	54%	62%
NYCA	30%	50%	42%

CTHI is the Cumulative Temperature & Humidity Index.

It is a weighted average of the Temperature-Humidity Indices of the current day and the two preceding days.

# 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