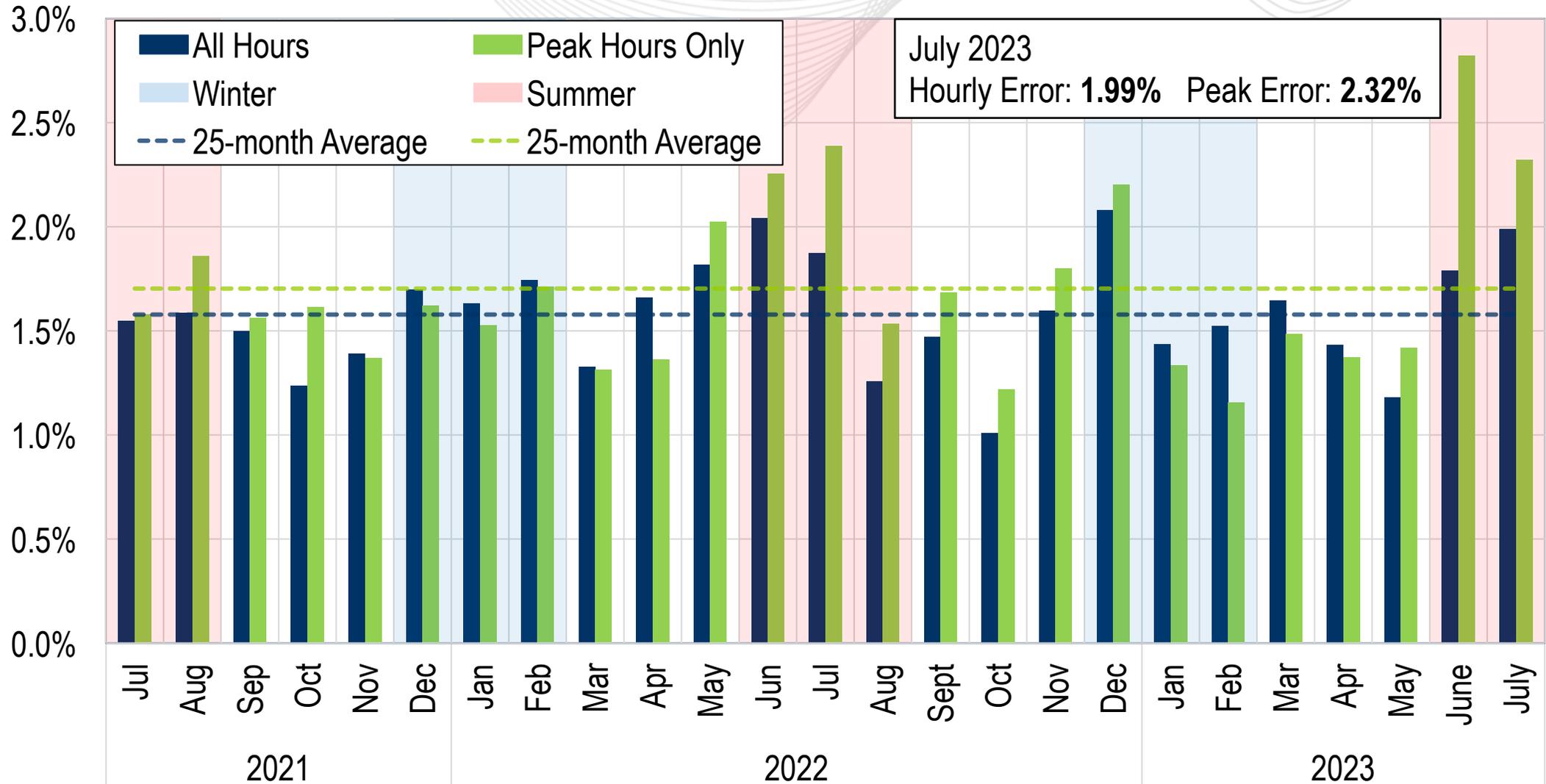




System Operations Report

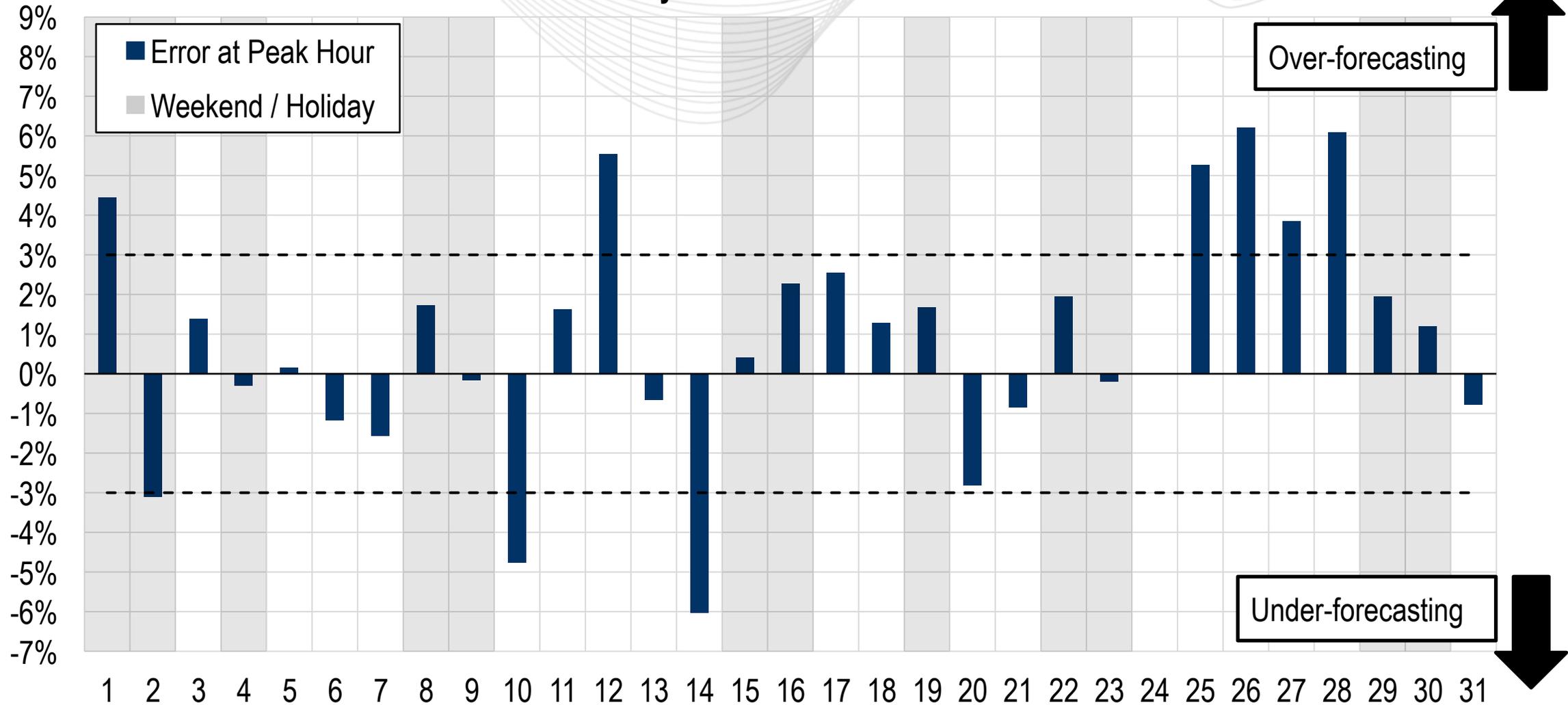
Hong Chen
Principal Engineer, Markets Coordination
Operating Committee
August 10, 2023

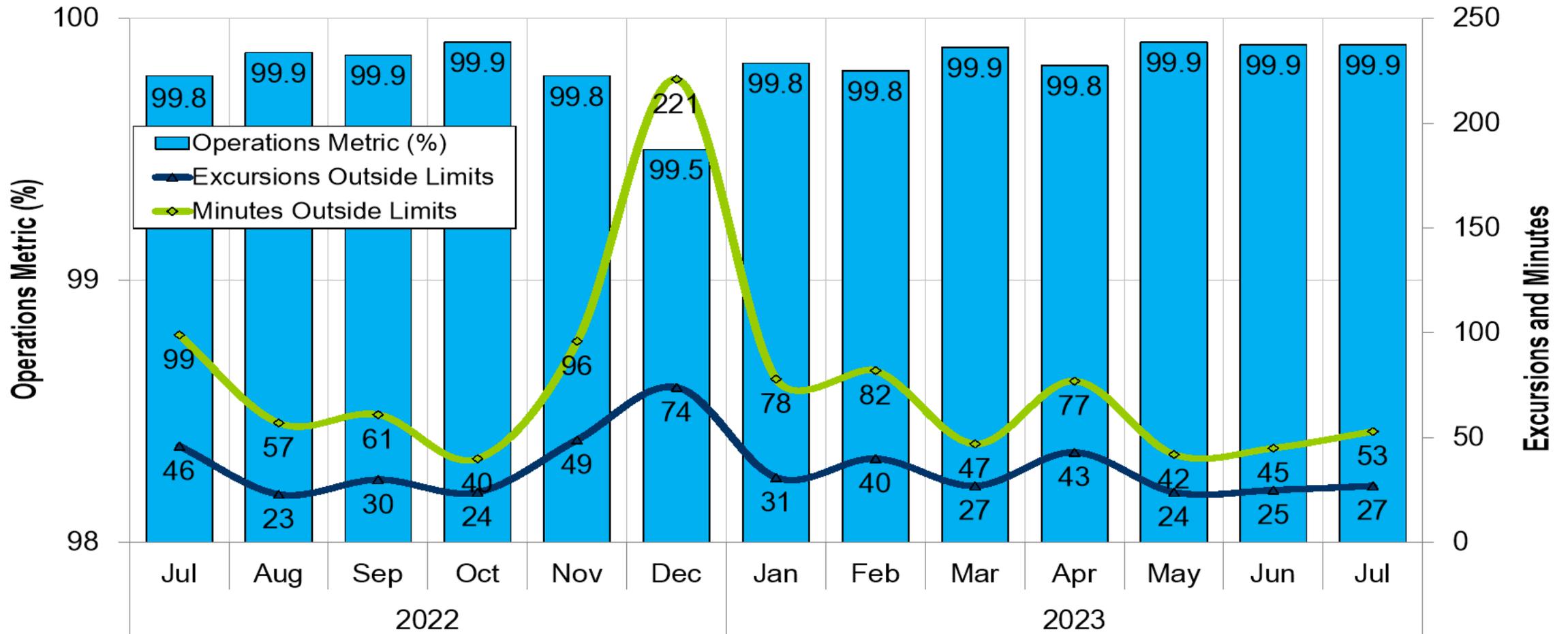


July 2023
 Hourly Error: **1.99%** Peak Error: **2.32%**

Daily Peak Forecast Error (July)

18:00 Day Ahead Forecast Error

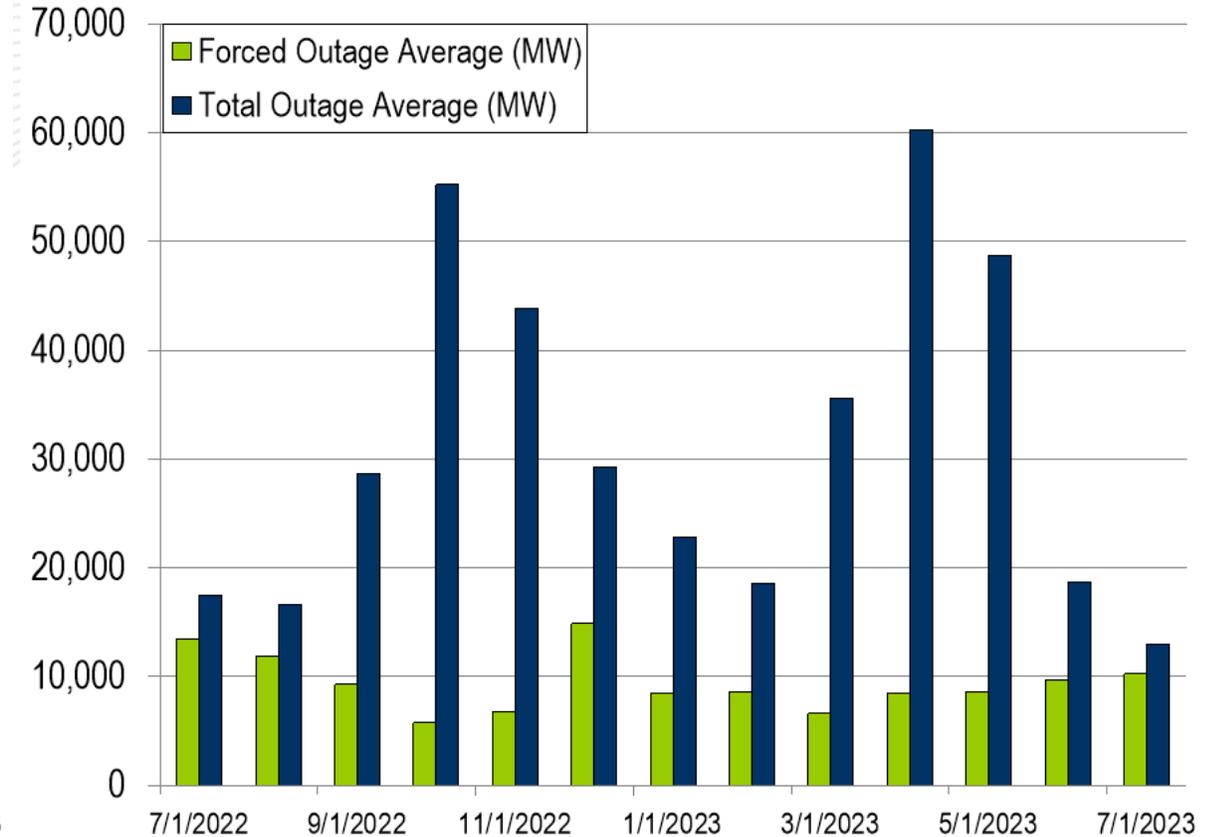
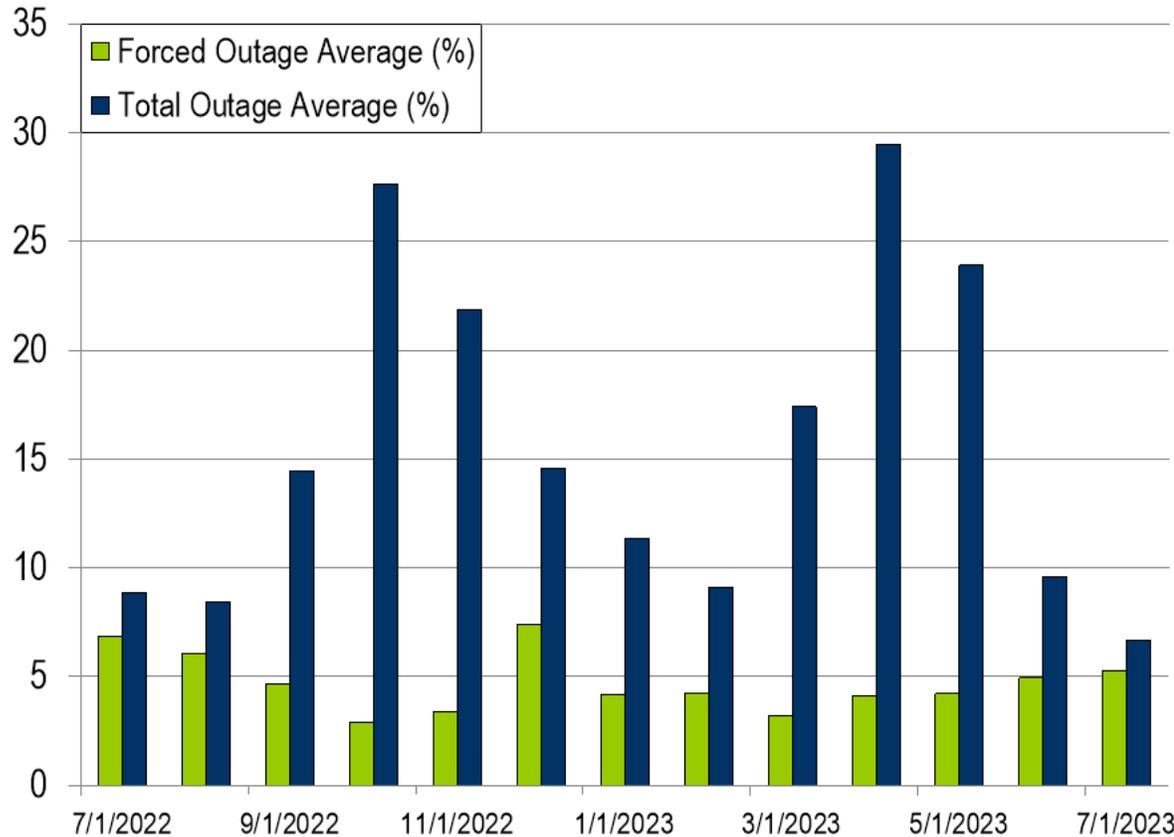




PJM's BAAL performance has exceeded the goal of 99% for each month in 2022 and 2023.

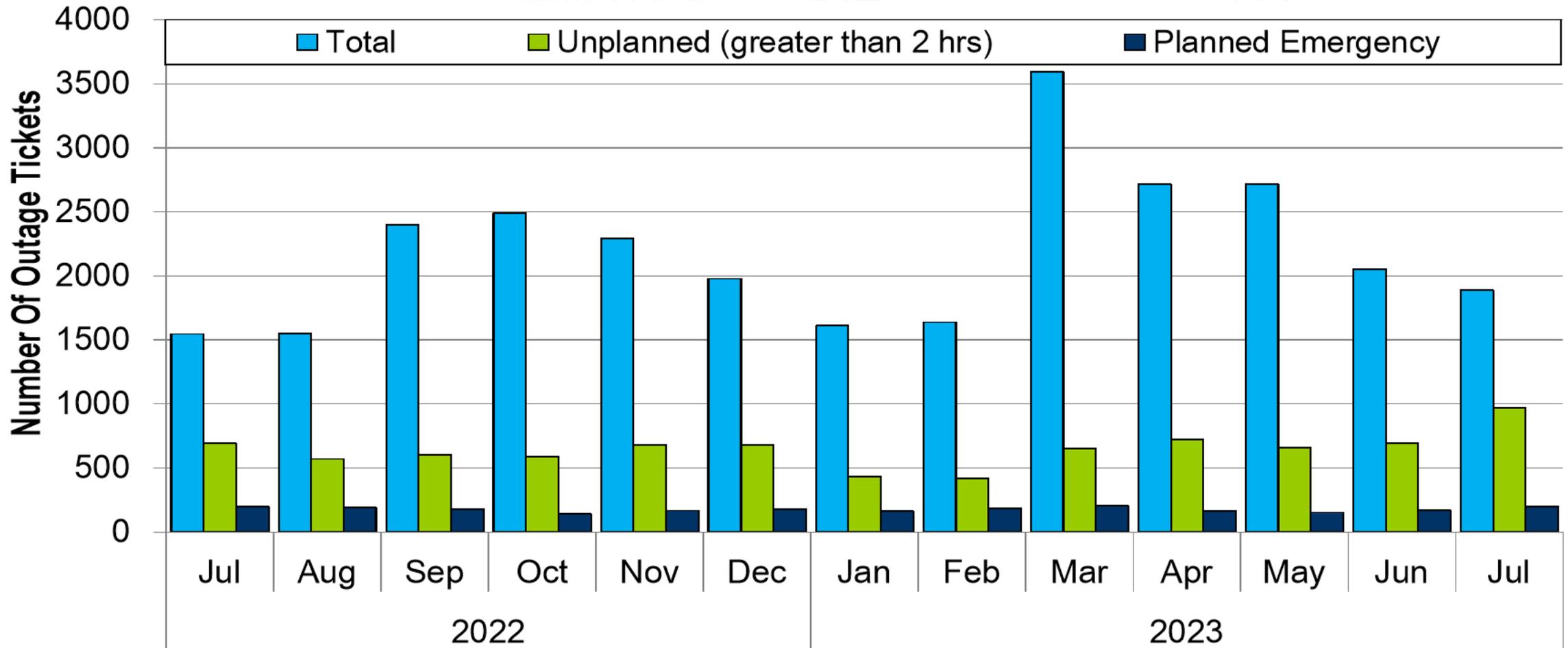
- 8 Shared Reserve events
- The following Emergency Procedures occurred:
 - 2 Maximum Generation Emergency Alerts
 - 1 Unit Startup Notification Alert
 - 10 Hot Weather Alert
 - 21 Post Contingency Local Load Relief Warnings

- 2 Shortage Cases Approved
- The approved Shortage Cases occurred on:
 - 07/21/2023:
 - 2 Shortage Cases for intervals 16:50 - 16:59
 - Factors: Load came in higher than forecast and CTs called not online yet



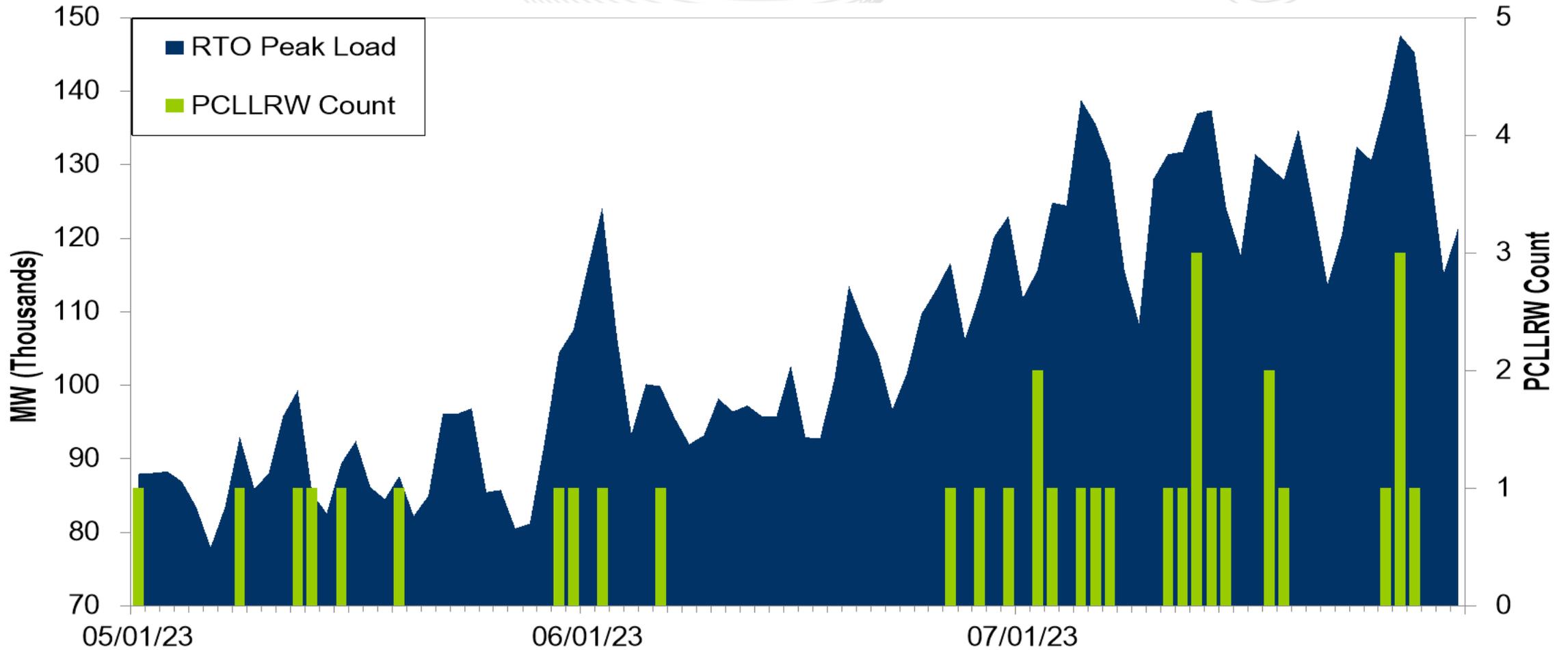
The 13-month average forced outage rate is 4.73% or 9,433 MW.
 The 13-month average total outage rate is 15.66% or 31,479 MW.

2022-2023 Planned Emergency, Unplanned, and Total Outages by Ticket



Note: "Unplanned Outages" include tripped facilities. One tripping event may involve multiple facilities.

PCLLRW Count Vs. Peak Load – Daily Values For 3 Months



- There were no spin events in July 2023

Presenter:
Stephanie Schwarz,
Stephanie.Schwarz@pjm.com

SME:
Ross Kelly,
Ross.Kelly@pjm.com

System Operations Report



Member Hotline

(610) 666 – 8980

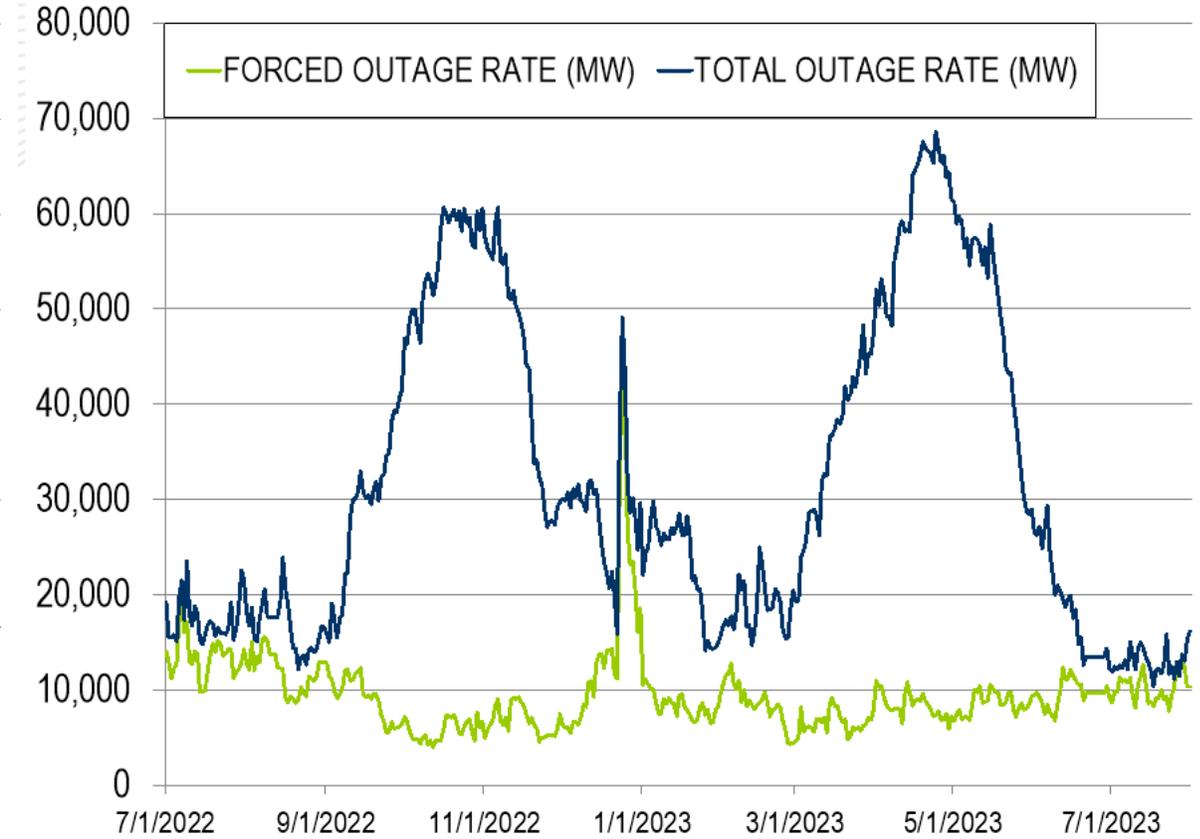
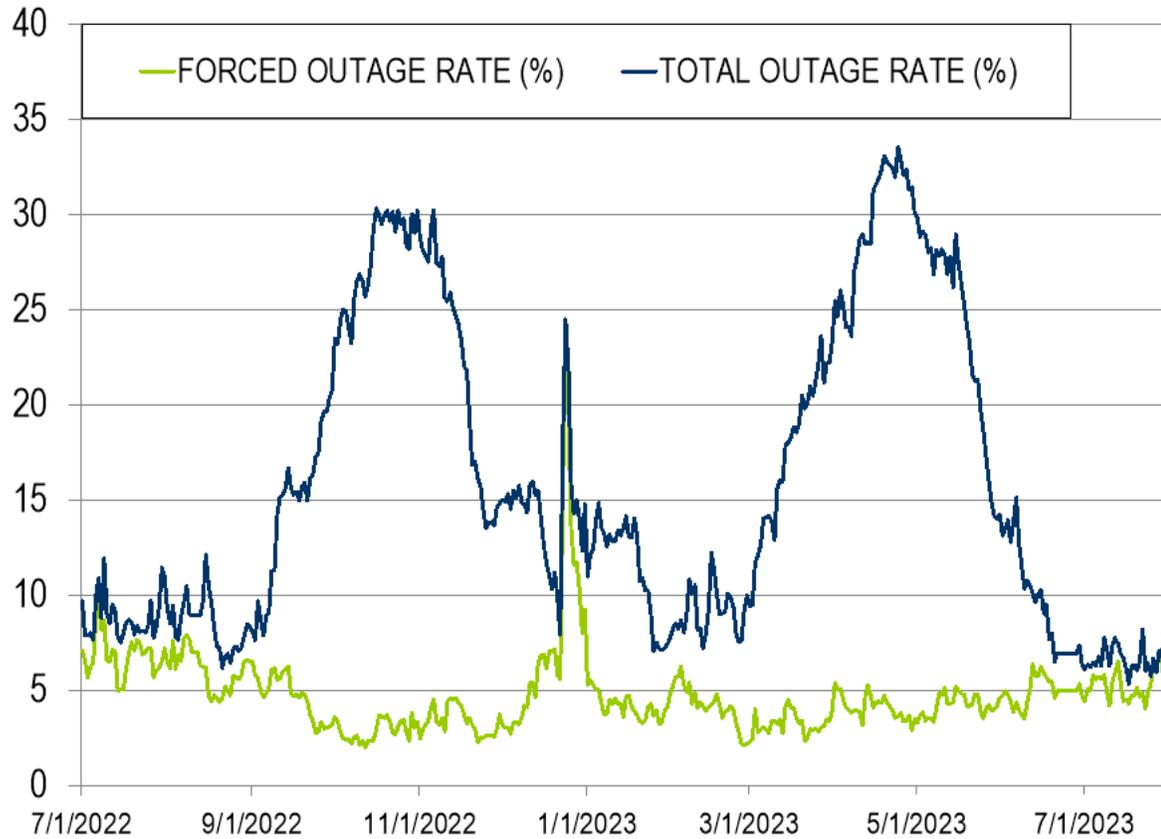
(866) 400 – 8980

custsvc@pjm.com

Appendix

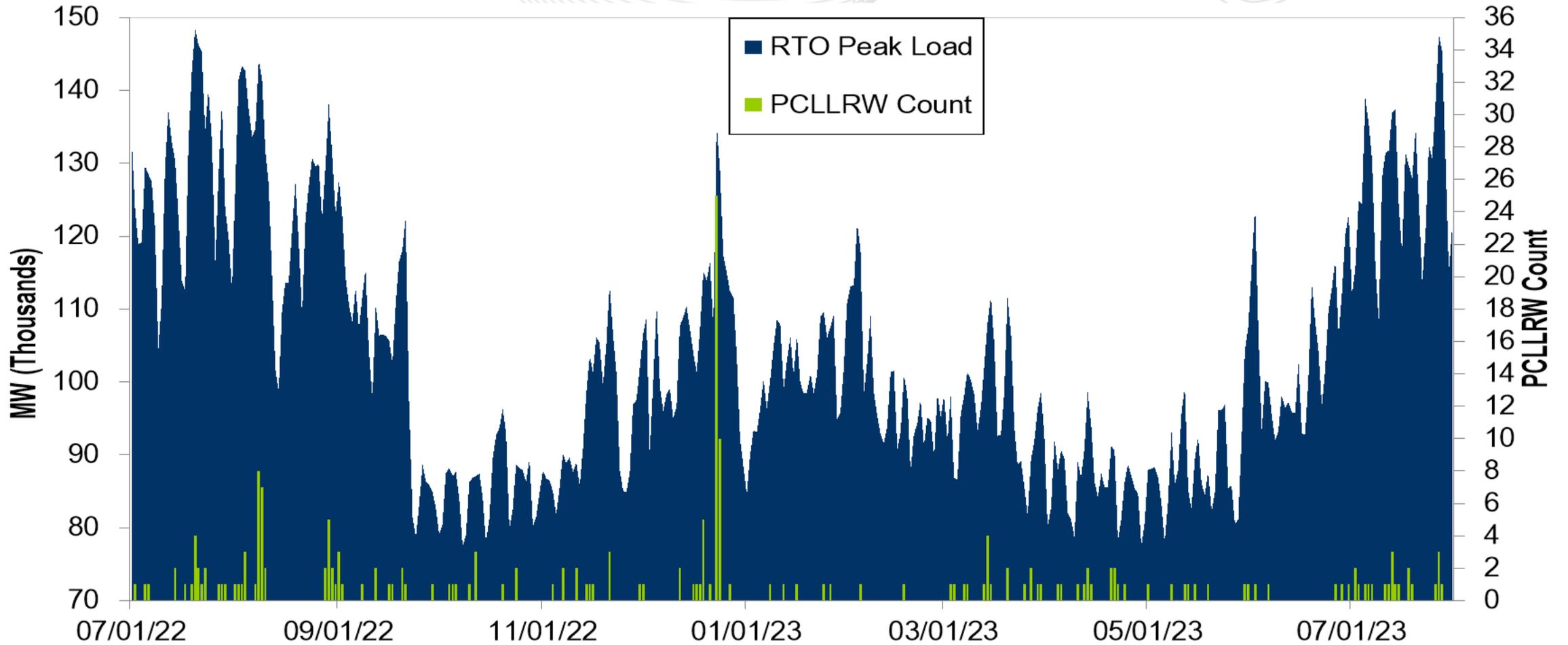
Goal Measurement: Balancing Authority ACE Limit (BAAL)

- The purpose of the new BAAL standard is to maintain interconnection frequency within a predefined frequency profile under all conditions (normal and abnormal), to prevent frequency-related instability, unplanned tripping of load or generation, or uncontrolled separation or cascading outages that adversely impact the reliability of the interconnection. NERC requires each balancing authority demonstrate real-time monitoring of ACE and interconnection frequency against associated limits and shall balance its resources and demands in real time so that its Reporting ACE does not exceed the BAAL ($BAAL_{LOW}$ or $BAAL_{HIGH}$) for a continuous time period greater than 30 minutes for each event.
- PJM directly measures the total number of BAAL excursions in minutes compared to the total number of minutes within a month. PJM has set a target value for this performance goal at 99% on a daily and monthly basis. In addition, current NERC rules limit the recovery period to no more than 30 minutes for a single event.



The 13-month average forced outage rate is 4.73% or 9,433 MW.
 The 13-month average total outage rate is 15.66% or 31,479 MW.

PCLLRW Count Vs. Peak Load – Daily Values For 13 Months



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phishing emails.

Report suspicious email activity to PJM.
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