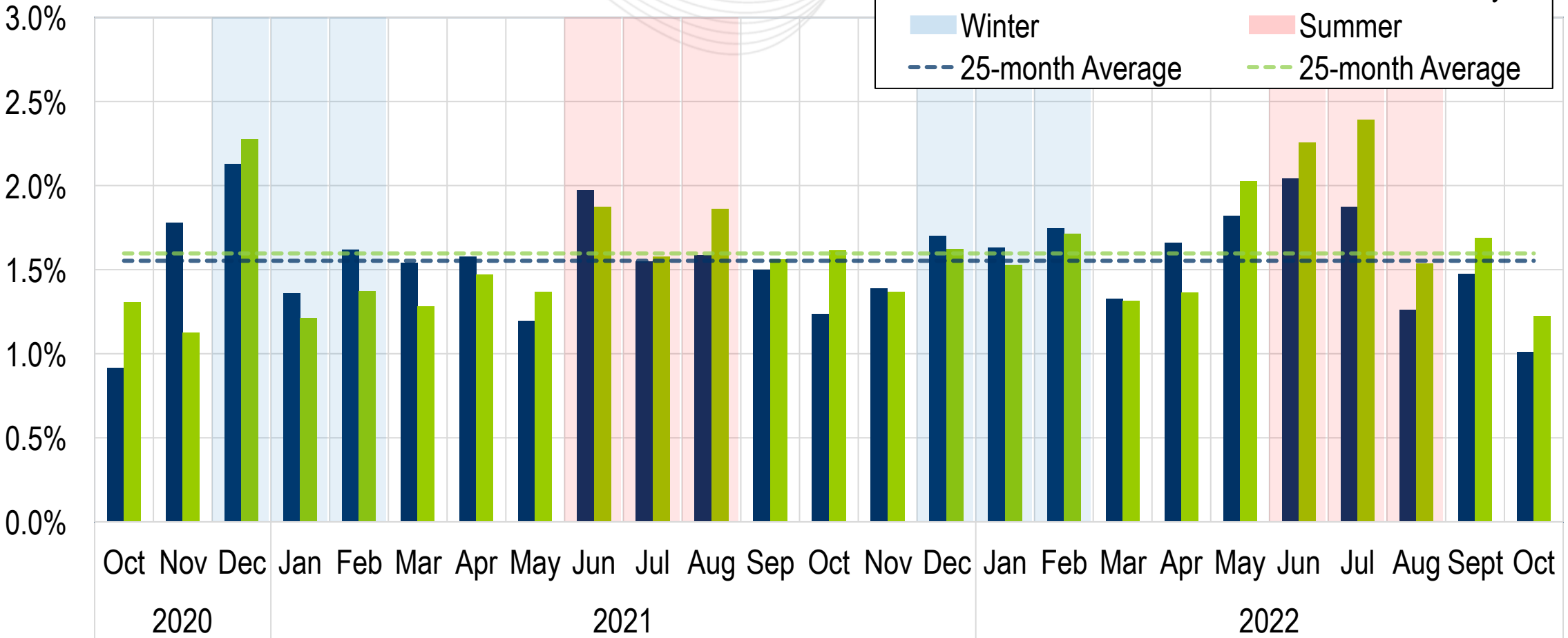




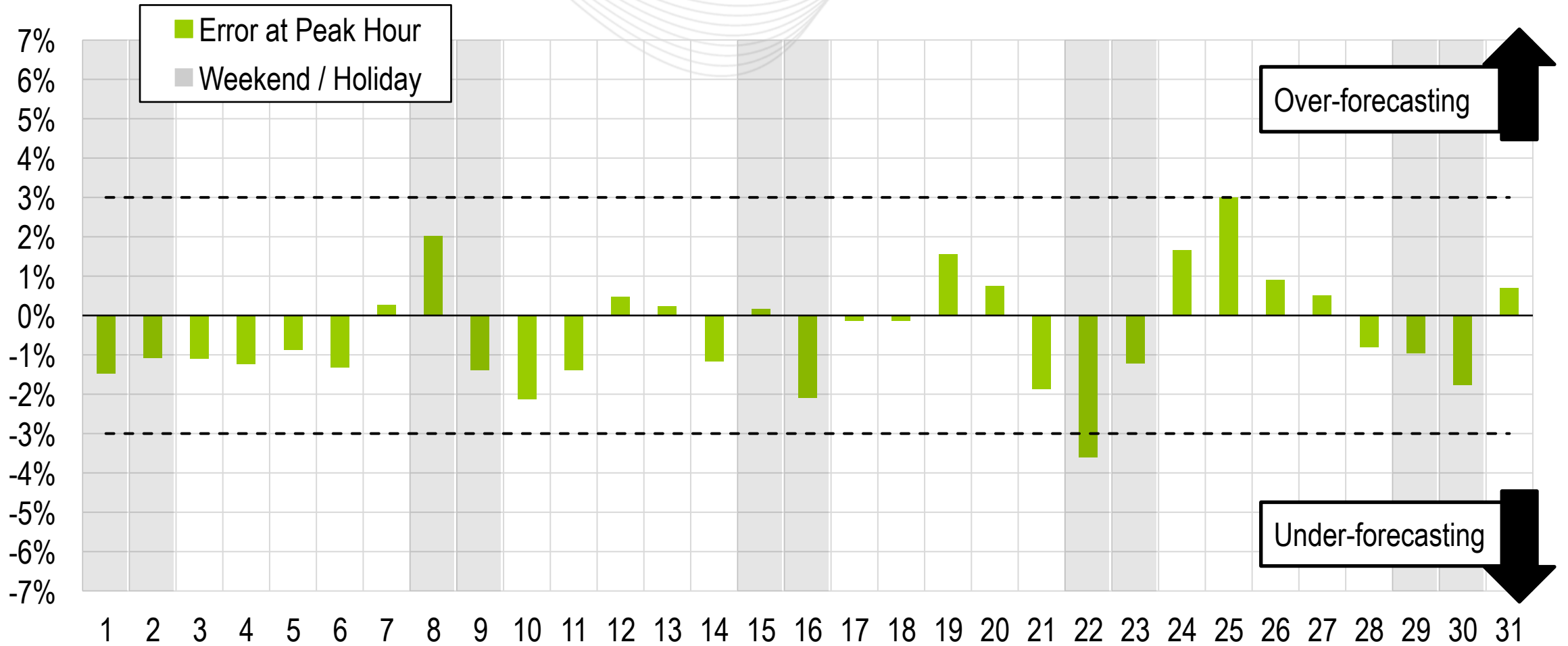
System Operations Report

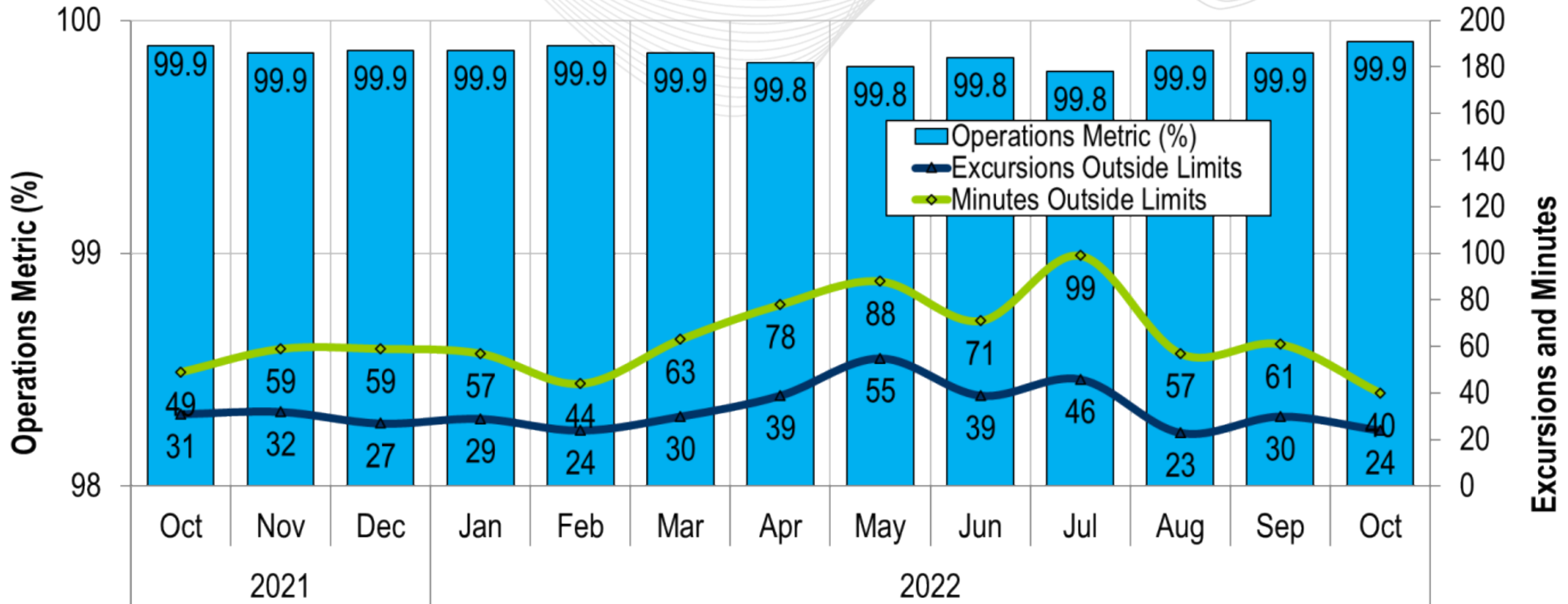
Stephanie Schwarz
Manager, Markets Coordination
Operating Committee
October 3rd, 2022

October 2022
 Hourly Error: **1.01%** Peak Error: **1.22%**



Daily Peak Forecast Error (October)

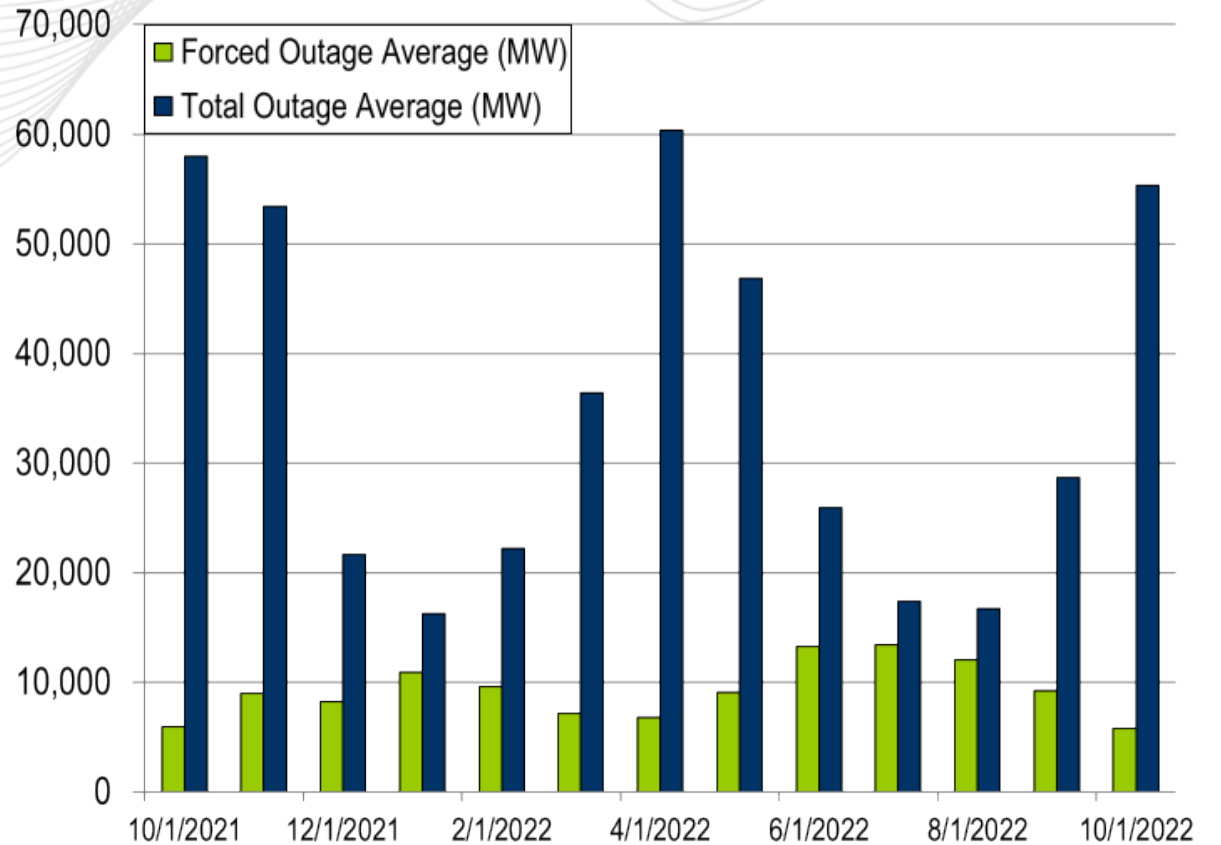
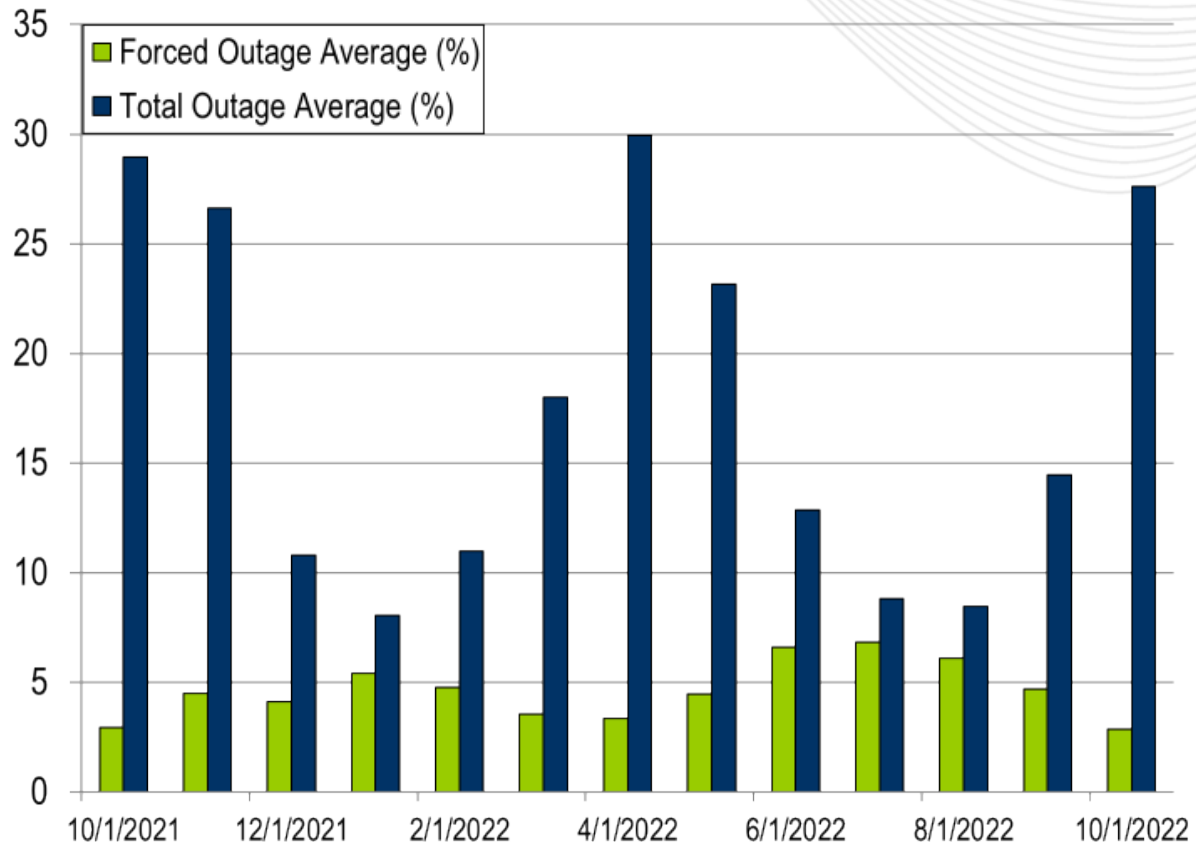




PJM's BAAL performance has exceeded the goal of 99% for each month in 2022.

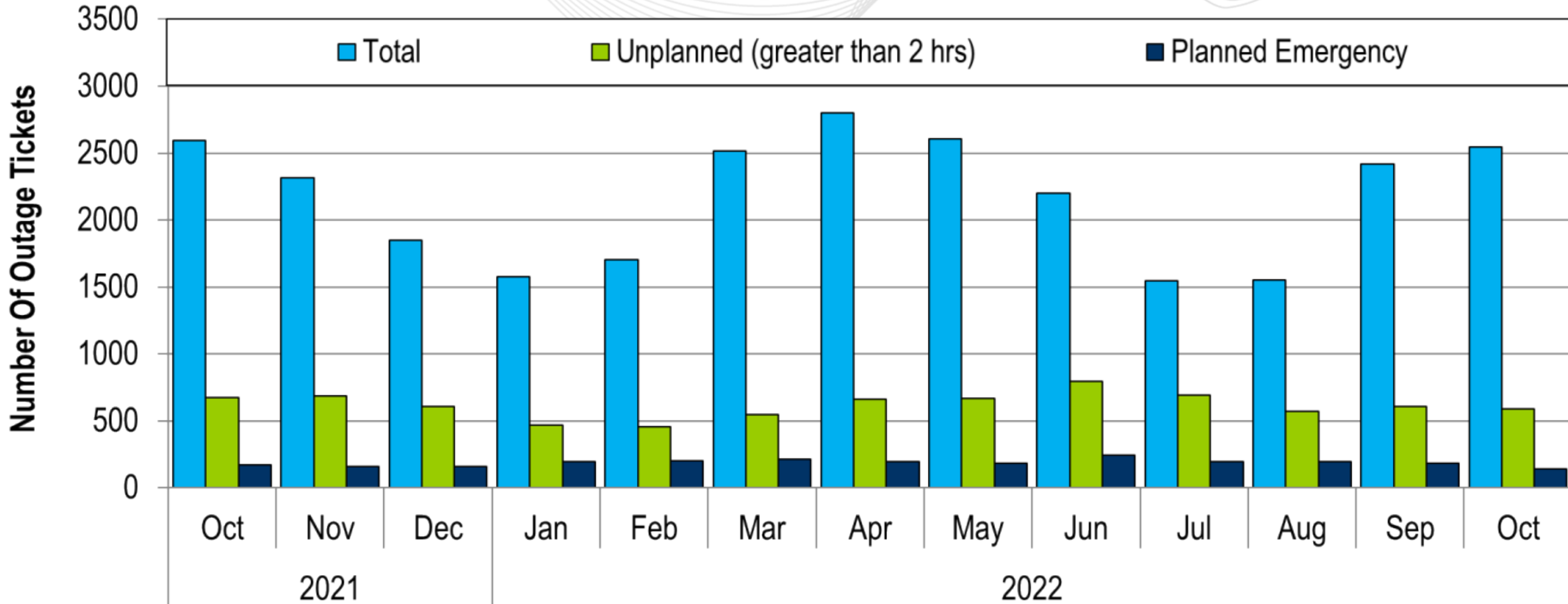
- One Spinning Event
- One Shared Reserve Event
- The following Emergency Procedures occurred:
 - 1 Emergency Load Management Reduction Action
 - 1 NERC EEA Level 2
 - 10 Post-Contingency Local Load Relief Warnings (PCLLRW)

- 1 Shortage Case Approved
- The approved Shortage Case occurred on:
 - 10/12/22:
 - 1 Shortage Case for 14:10 interval
 - Due to load increase



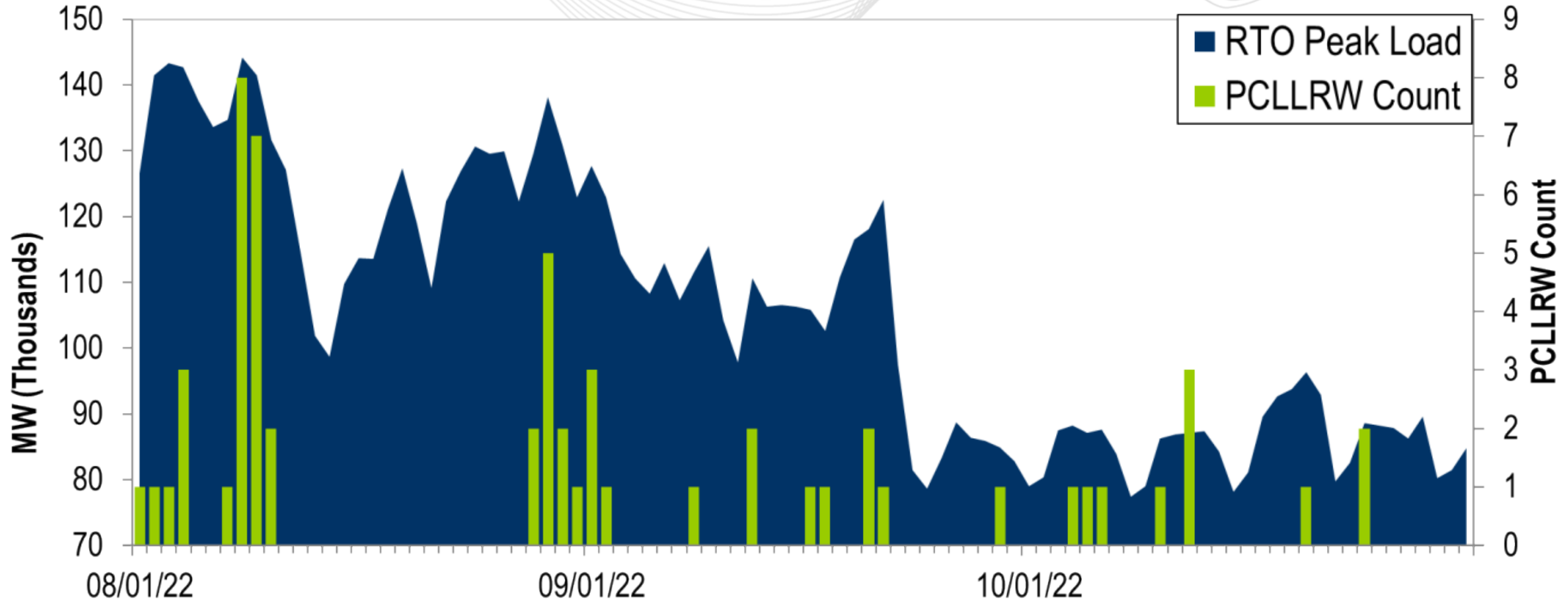
The 13-month average forced outage rate is 4.63% or 9,267 MW.
 The 13-month average total outage rate is 17.61% or 35,332 MW.

2021-2022 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



Event	Date	Start Time	End Time	Duration	Region	Assigned (MW)	Response (MW)	Penalty (MW)
1	10/29/22	02:12:11	02:24:03	00:11:52	RTO	1857.9	567.1	1290.8

*Response is equal to Assigned for events with duration less than ten minutes

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

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

System Operations Report



Member Hotline

(610) 666 – 8980

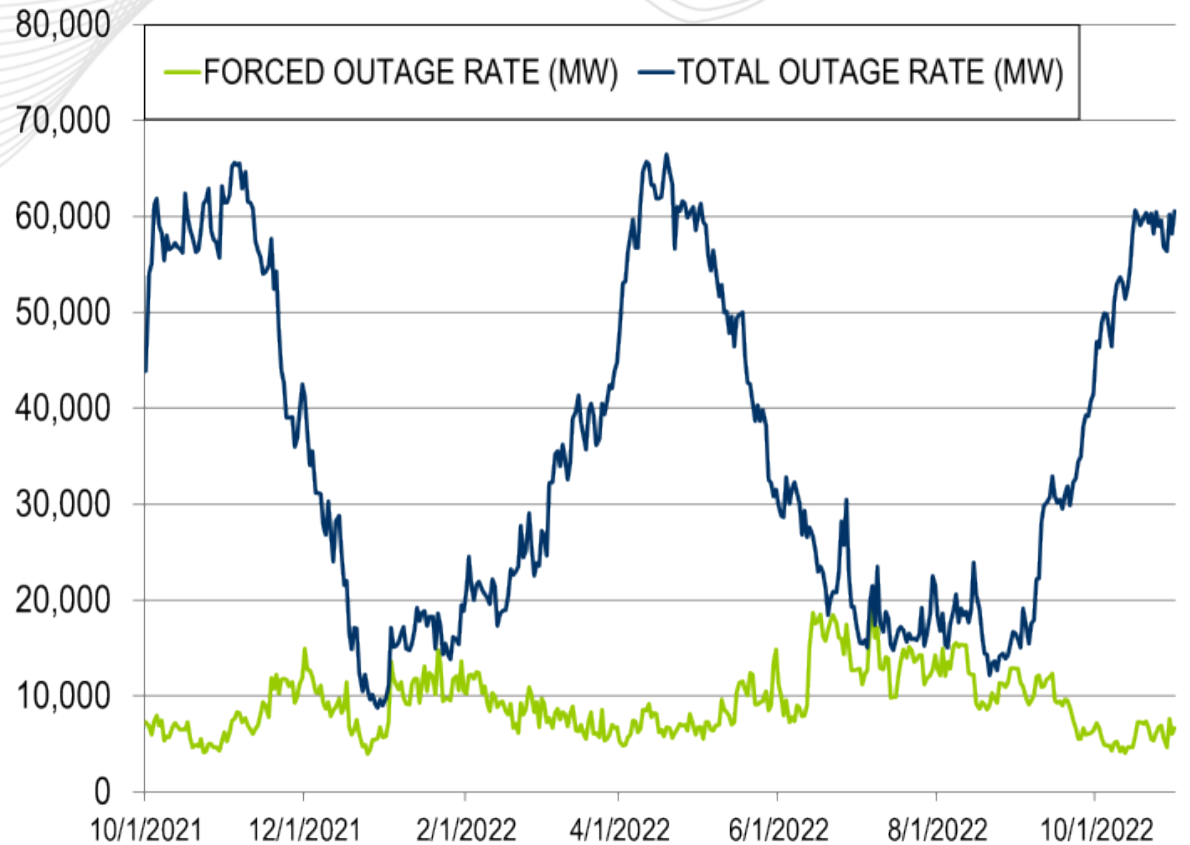
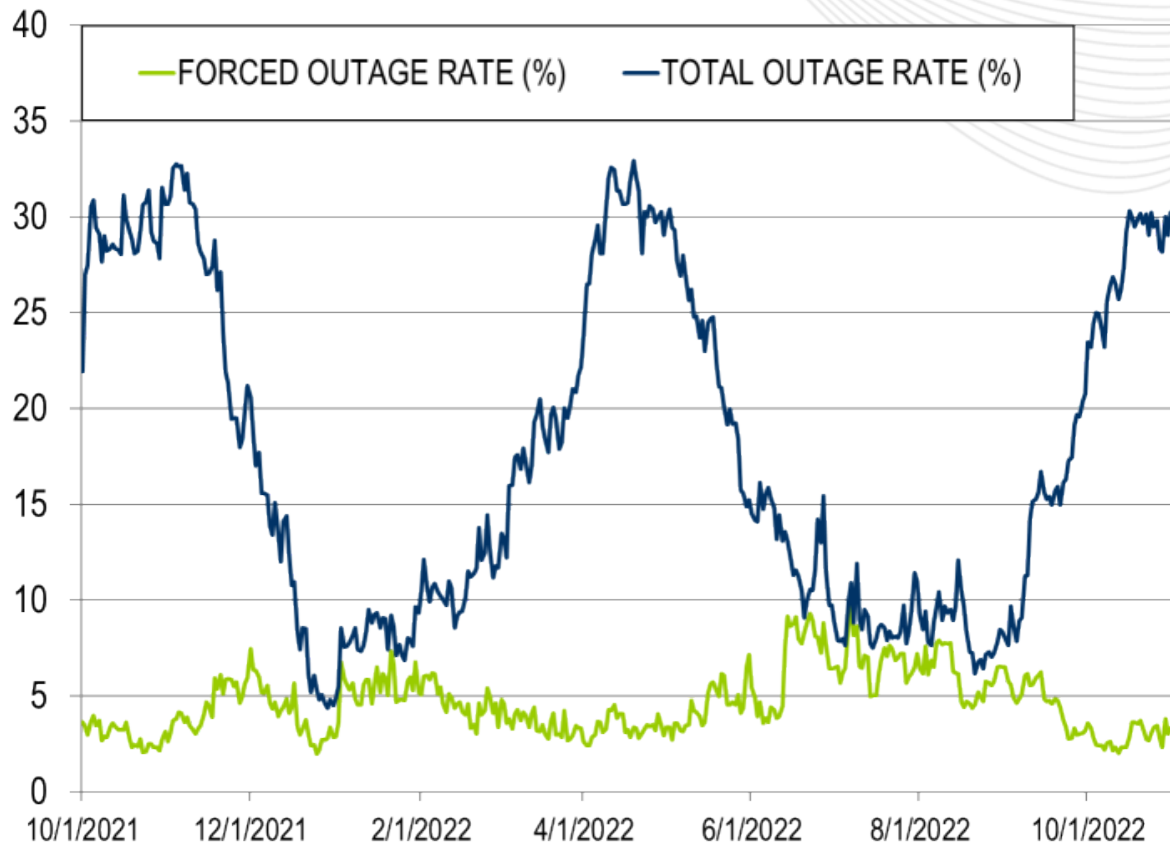
(866) 400 – 8980

custsvc@pjm.com

Appendix

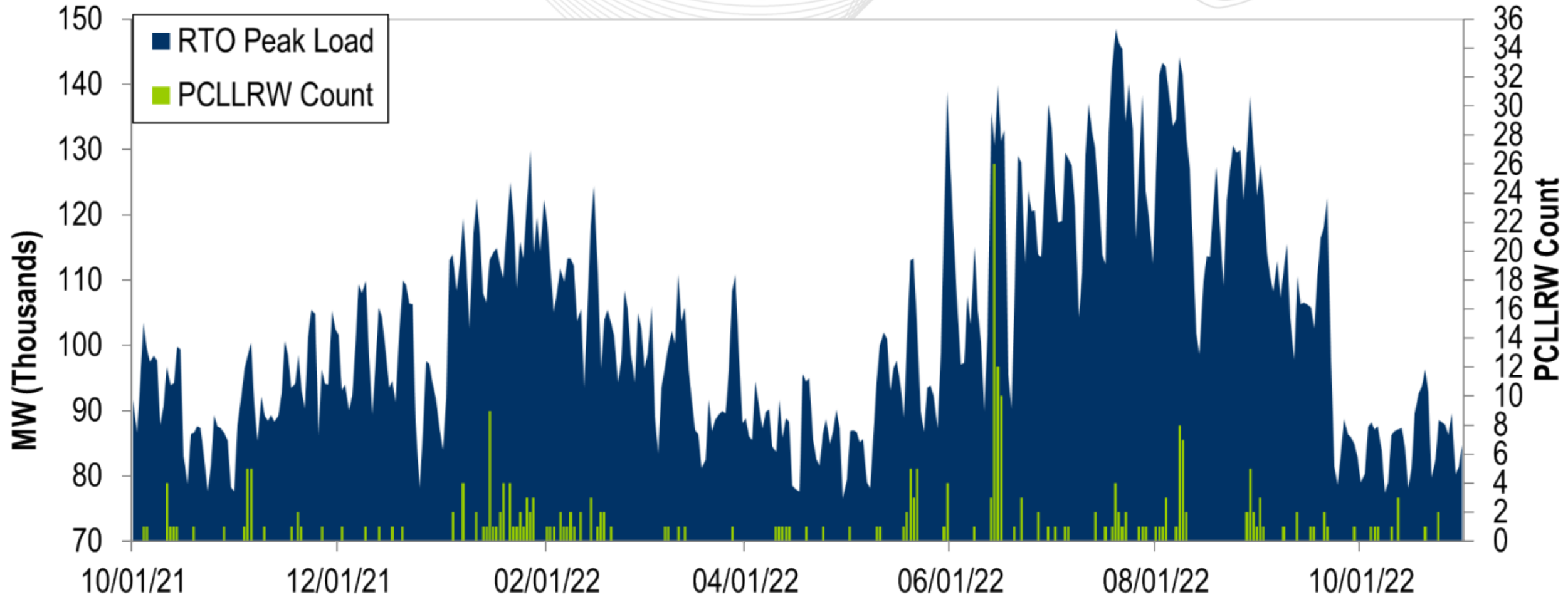
Goal Measurement: Balancing Authority ACE Limit (BAAL)

- 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 4.63% or 9,267 MW.
 The 13-month average total outage rate is 17.61% or 35,332 MW.

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



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POWER GRID**
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YOU CLICK!**



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phishing emails.

Report suspicious email activity to PJM.
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