

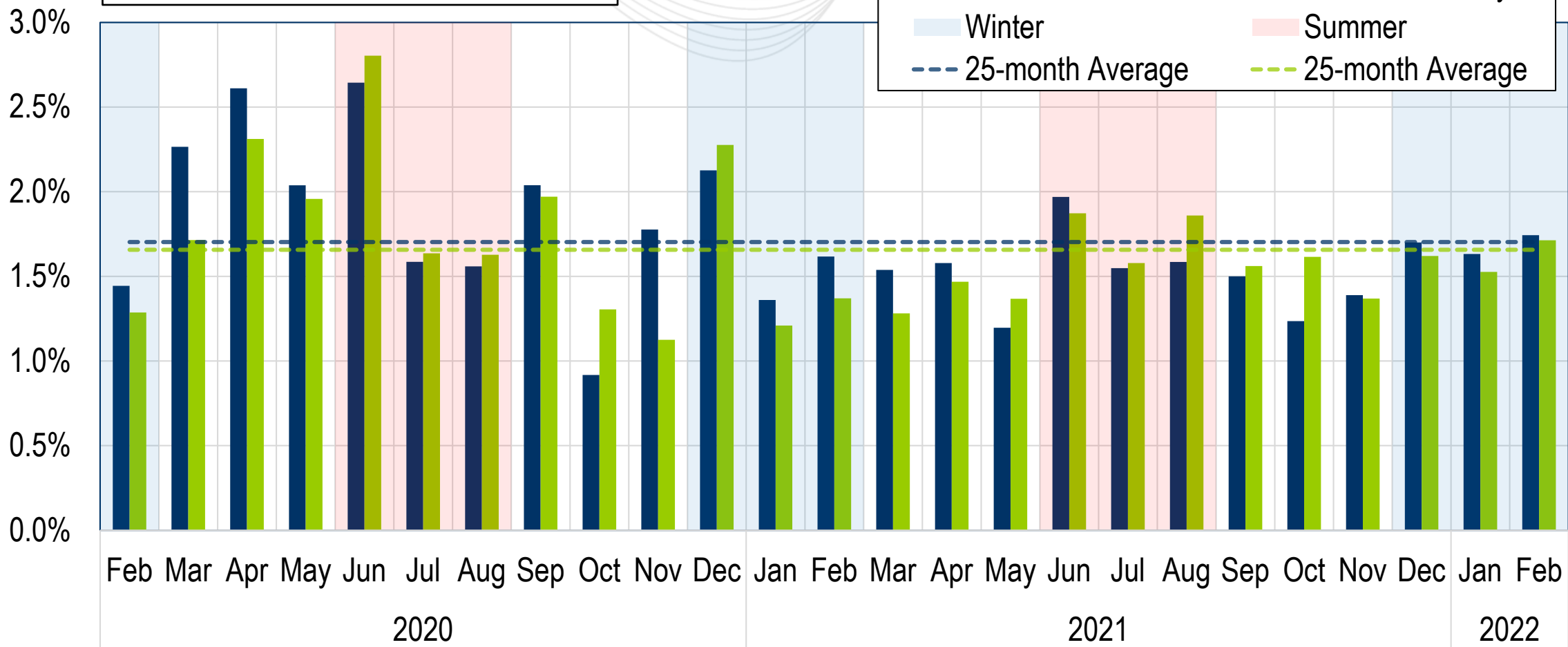


System Operations Report

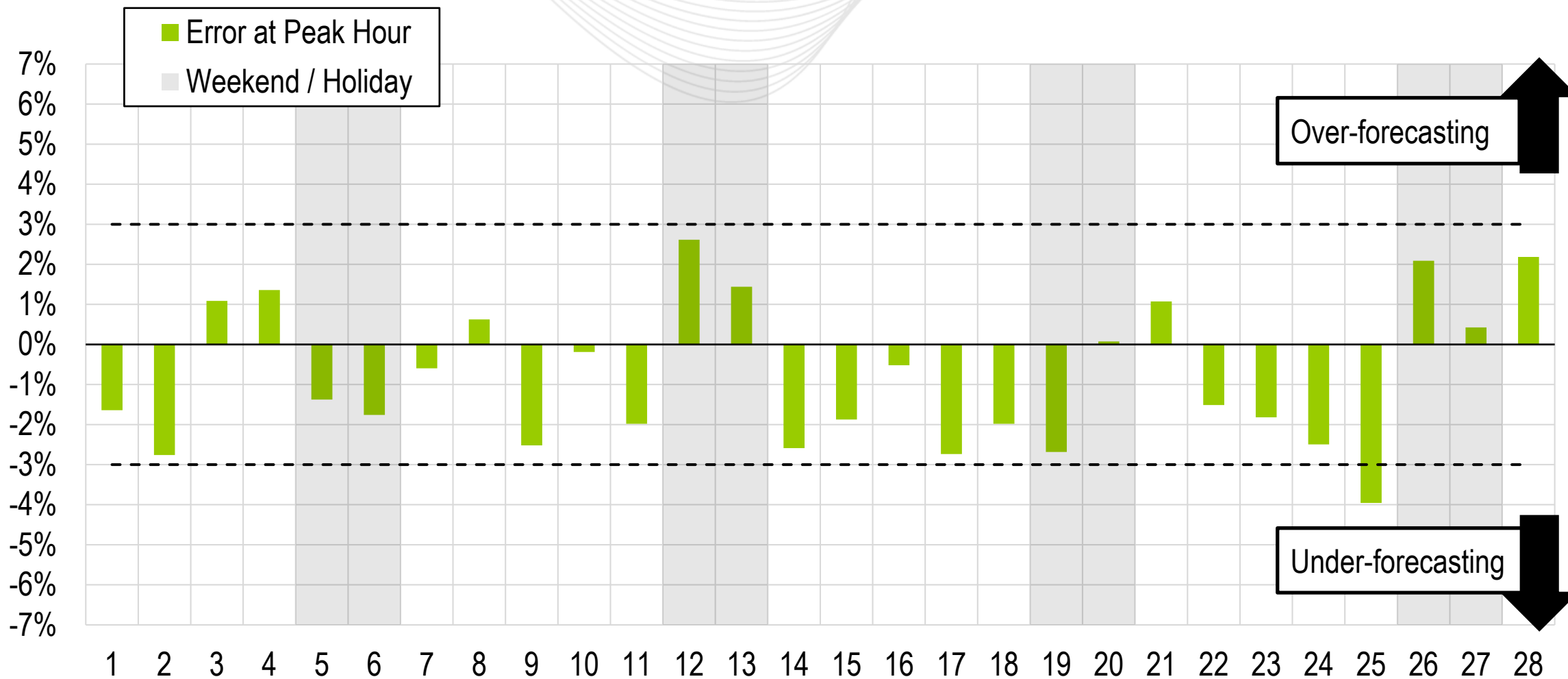
Hong Chen
Sr. Lead Engineer, Markets Coordination
MC Webinar
March 21, 2022

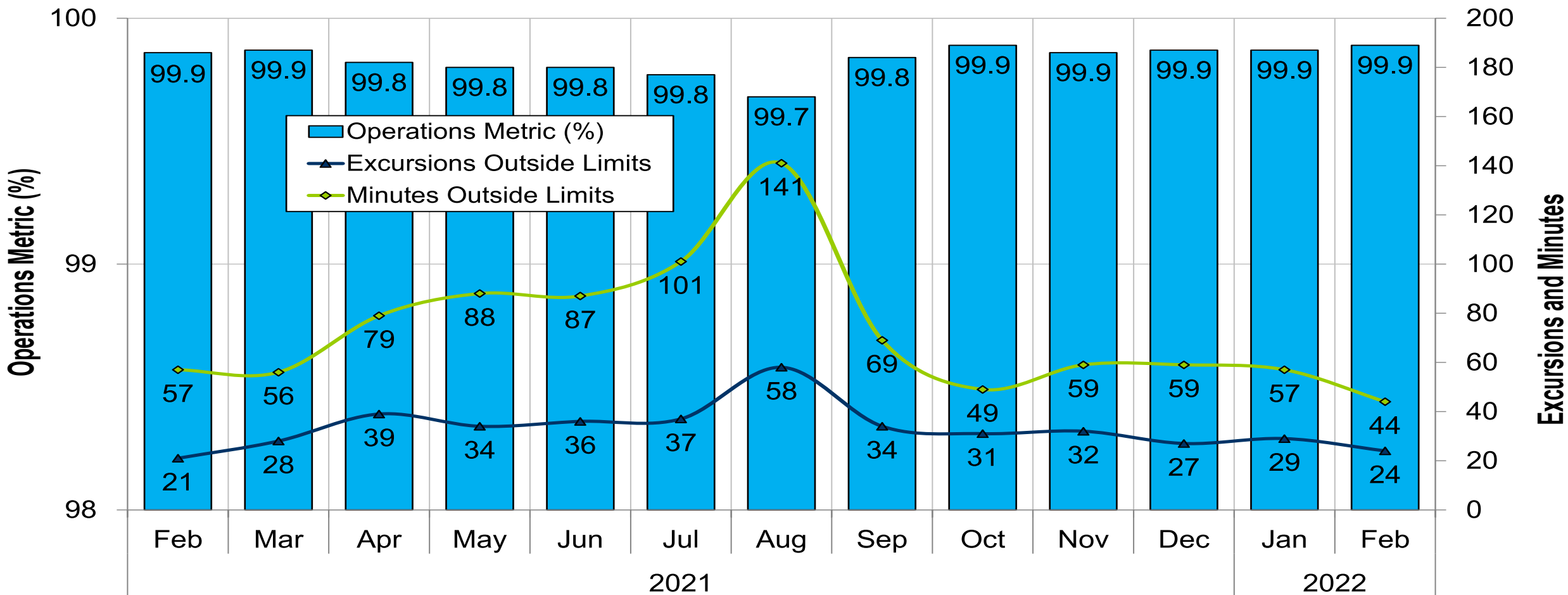
February 2022
 Hourly Error: 1.74% Peak Error: 1.71%

■ All Hours ■ Peak Hours Only
■ Winter ■ Summer
--- 25-month Average --- 25-month Average



Daily Peak Forecast Error (February)

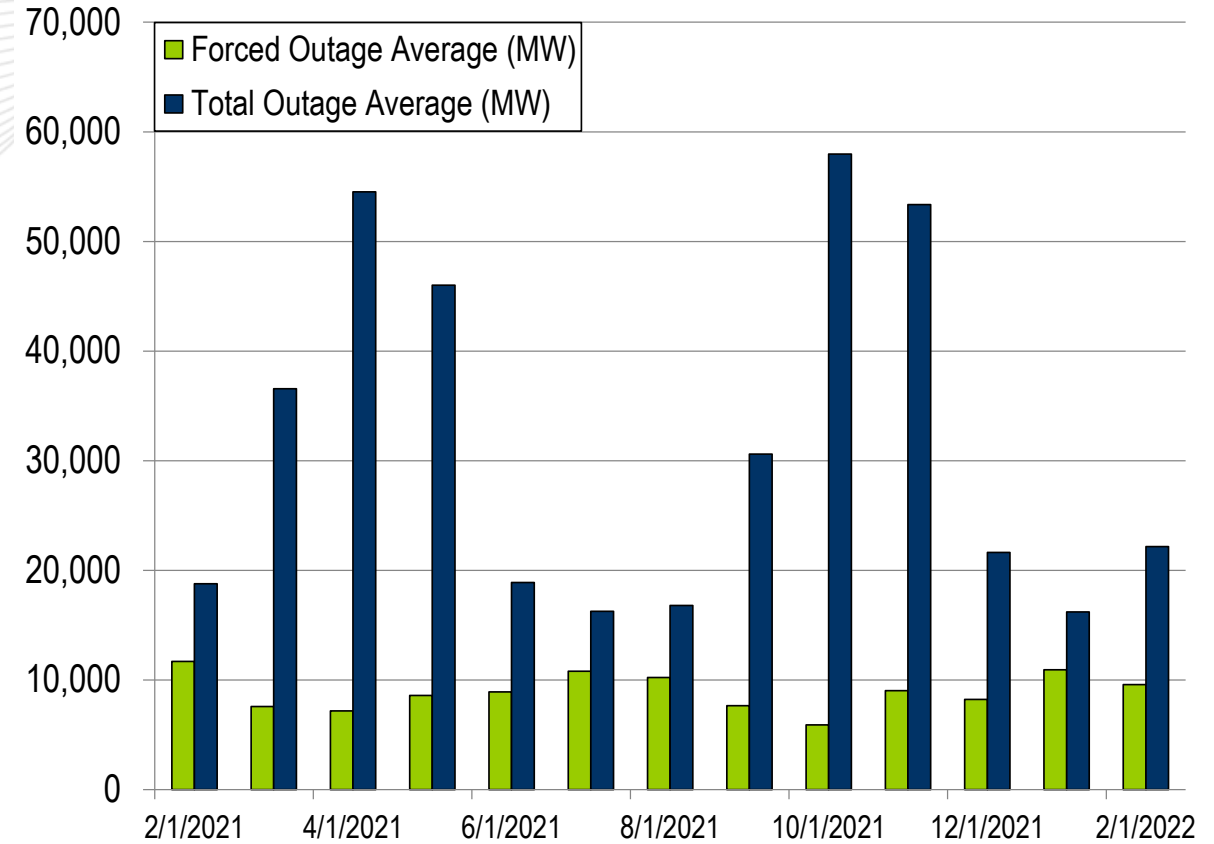
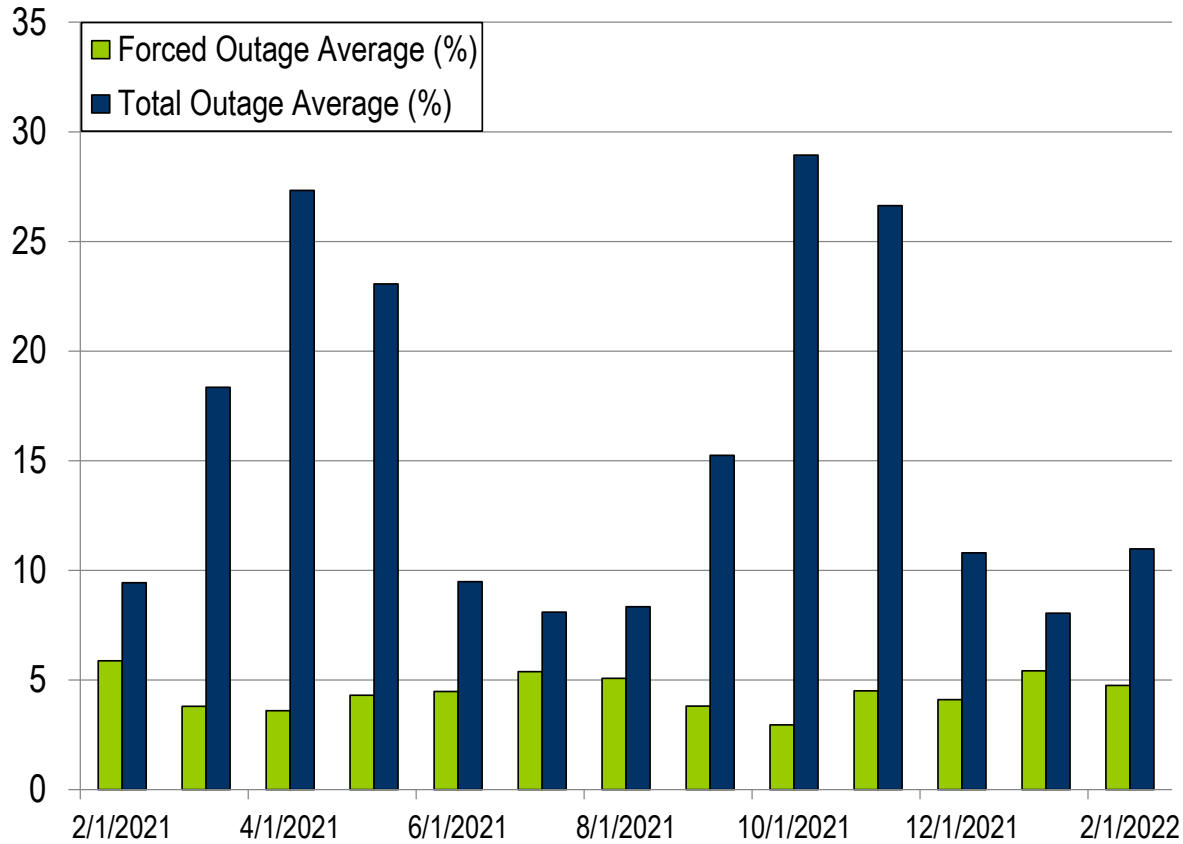




PJM's BAAL performance has exceeded the goal of 99% for each month in 2022.

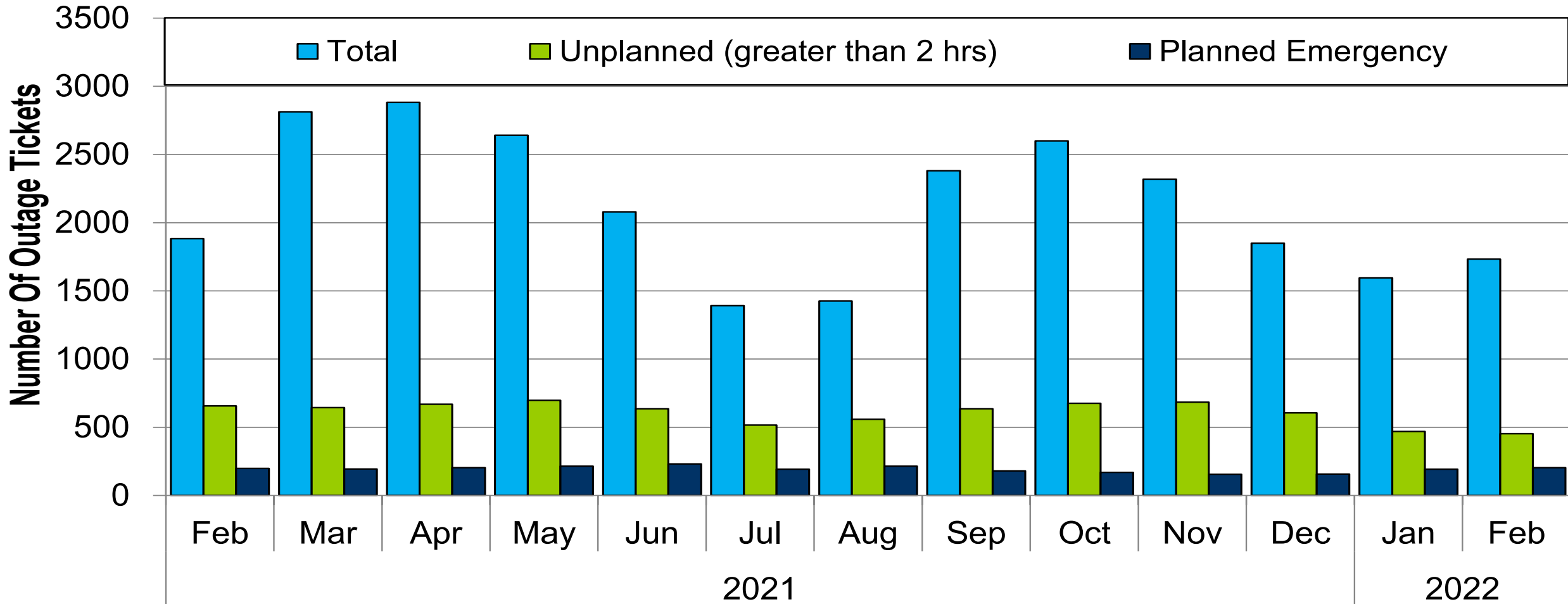
- Zero spinning events
- One reserve sharing event with the Northeast Power Coordinating Council (NPCC)
- The following Emergency Procedures occurred:
 - 21 Post-Contingency Local Load Relief Warnings (PCLLRW)

PJM experienced no shortage case approvals during the month of February 2022.



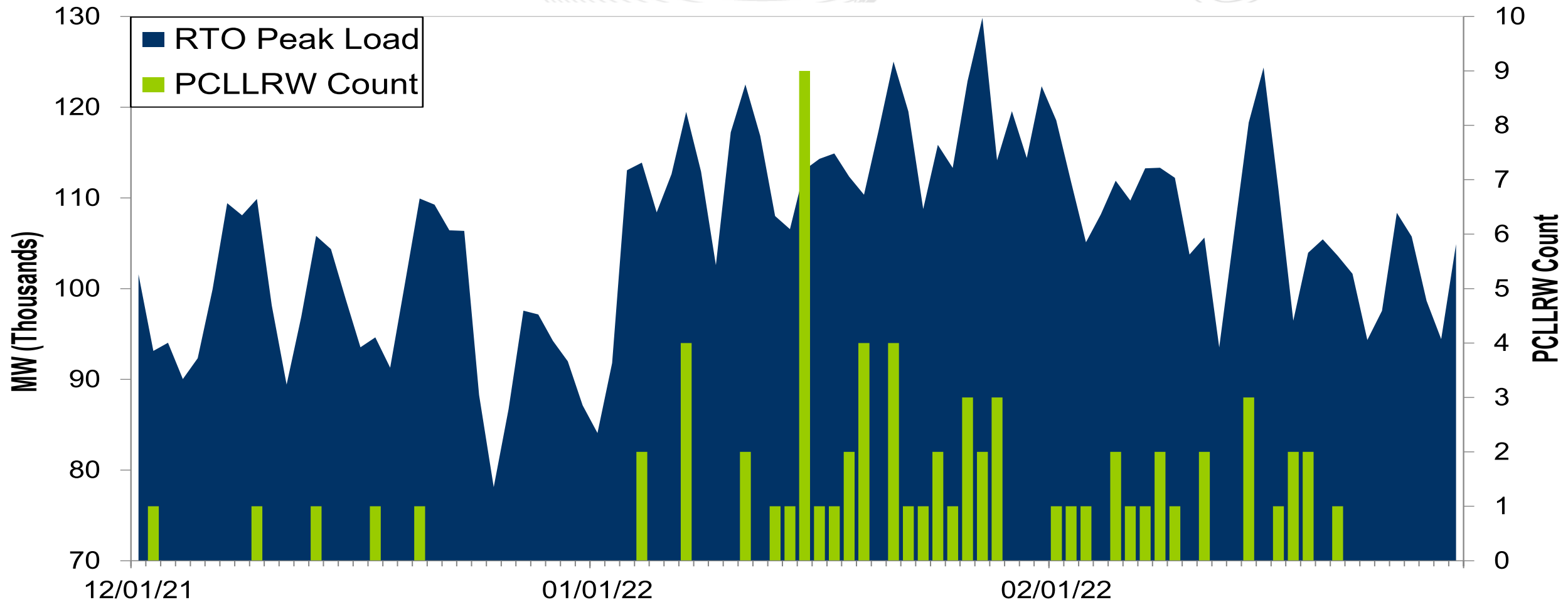
The 13-month average forced outage rate is 4.46% or 8,931 MW.
 The 13-month average total outage rate is 15.80% or 31,614 MW.

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



PJM experienced no spinning events during the month of February 2022.

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Member Hotline

(610) 666 – 8980

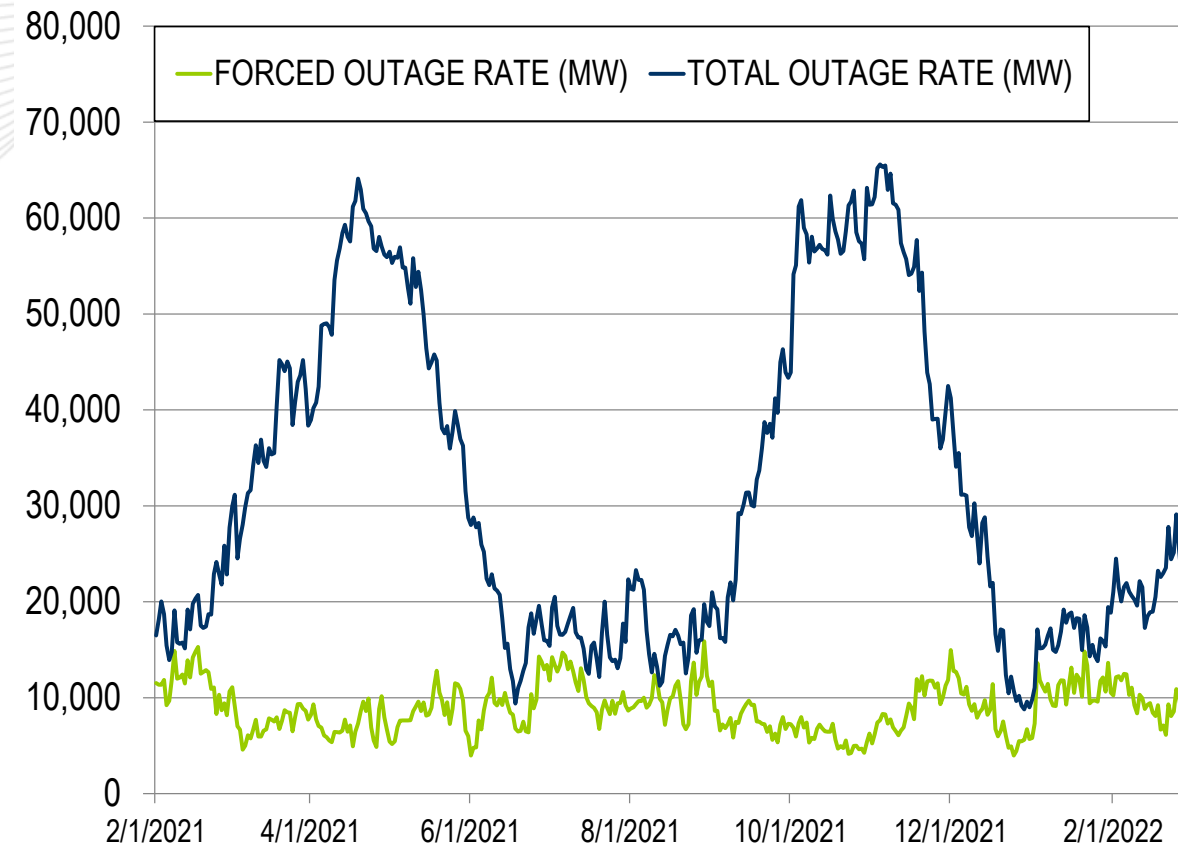
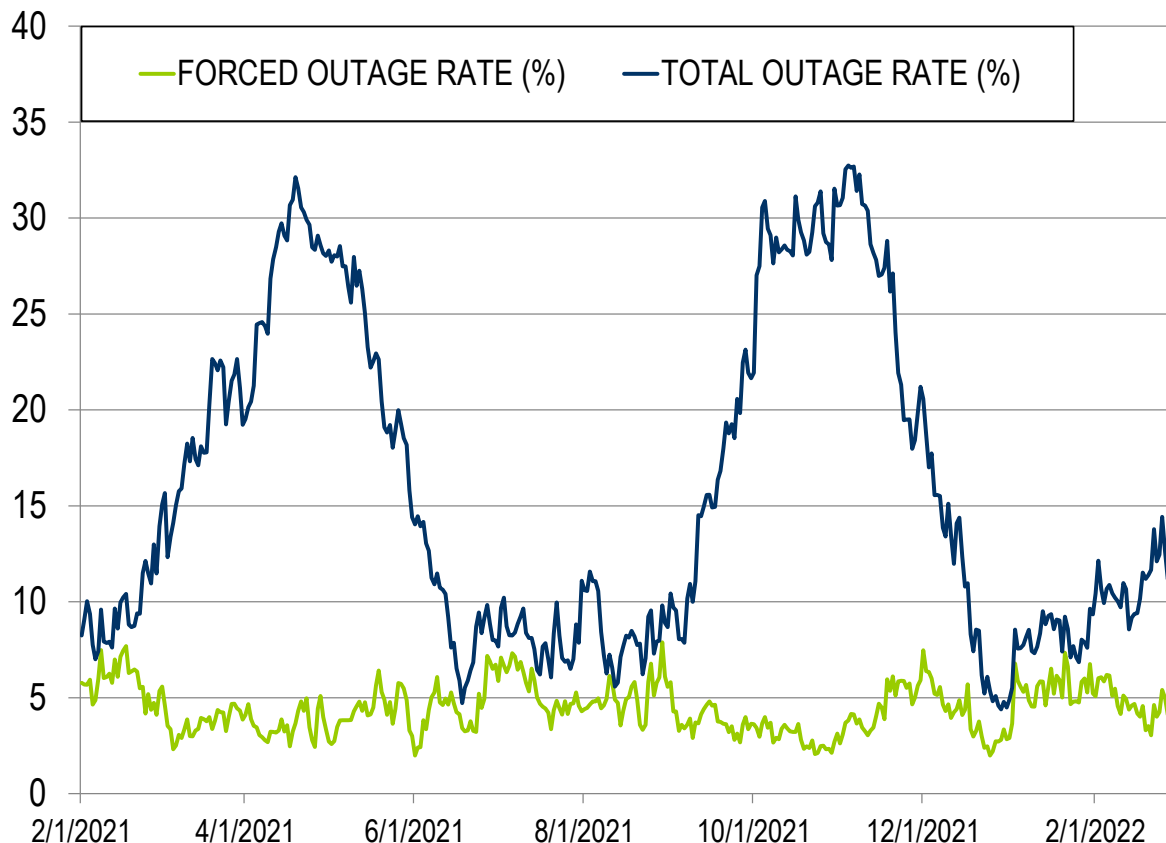
(866) 400 – 8980

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Appendix

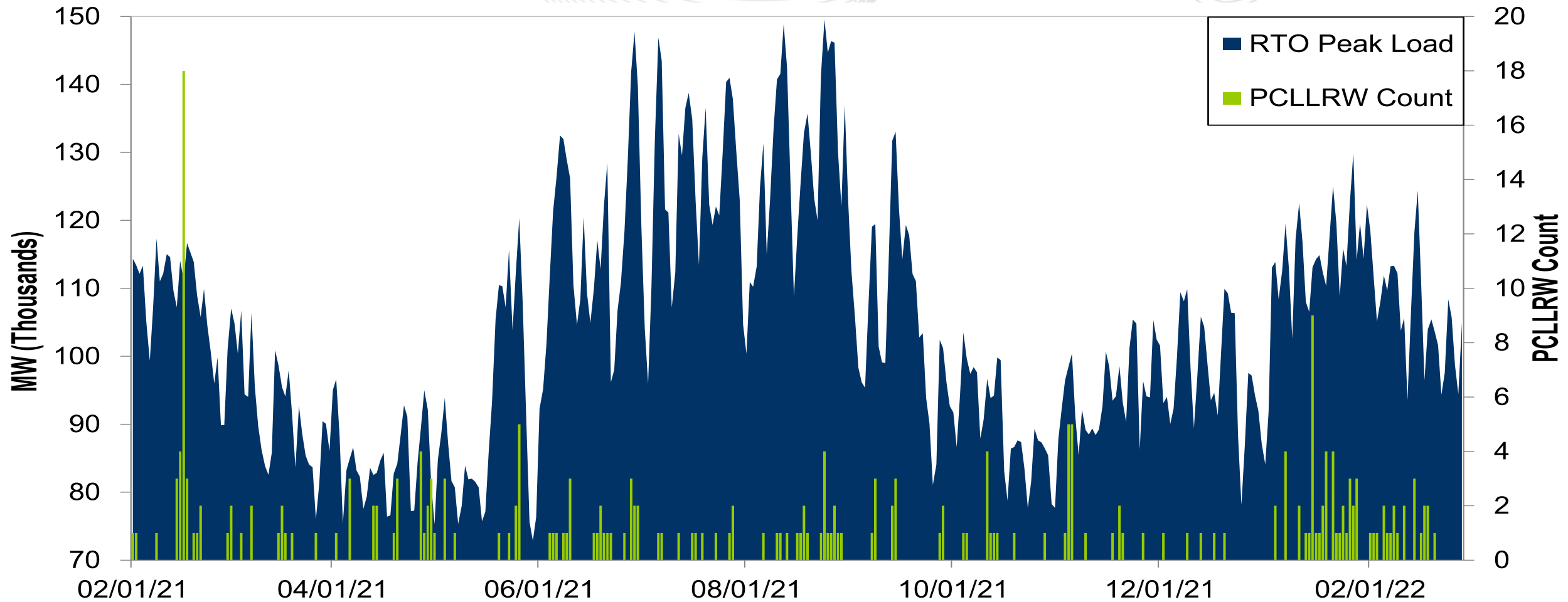
Goal Measurement: Balancing Authority ACE Limit (BAAL)

- 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 4.46% or 8,931 MW.
 The 13-month average total outage rate is 15.80% or 31,614 MW.

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



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