



System Operations Report

Michael Stewart, Sr. Engineer II –
Operations Uncertainty & Risk

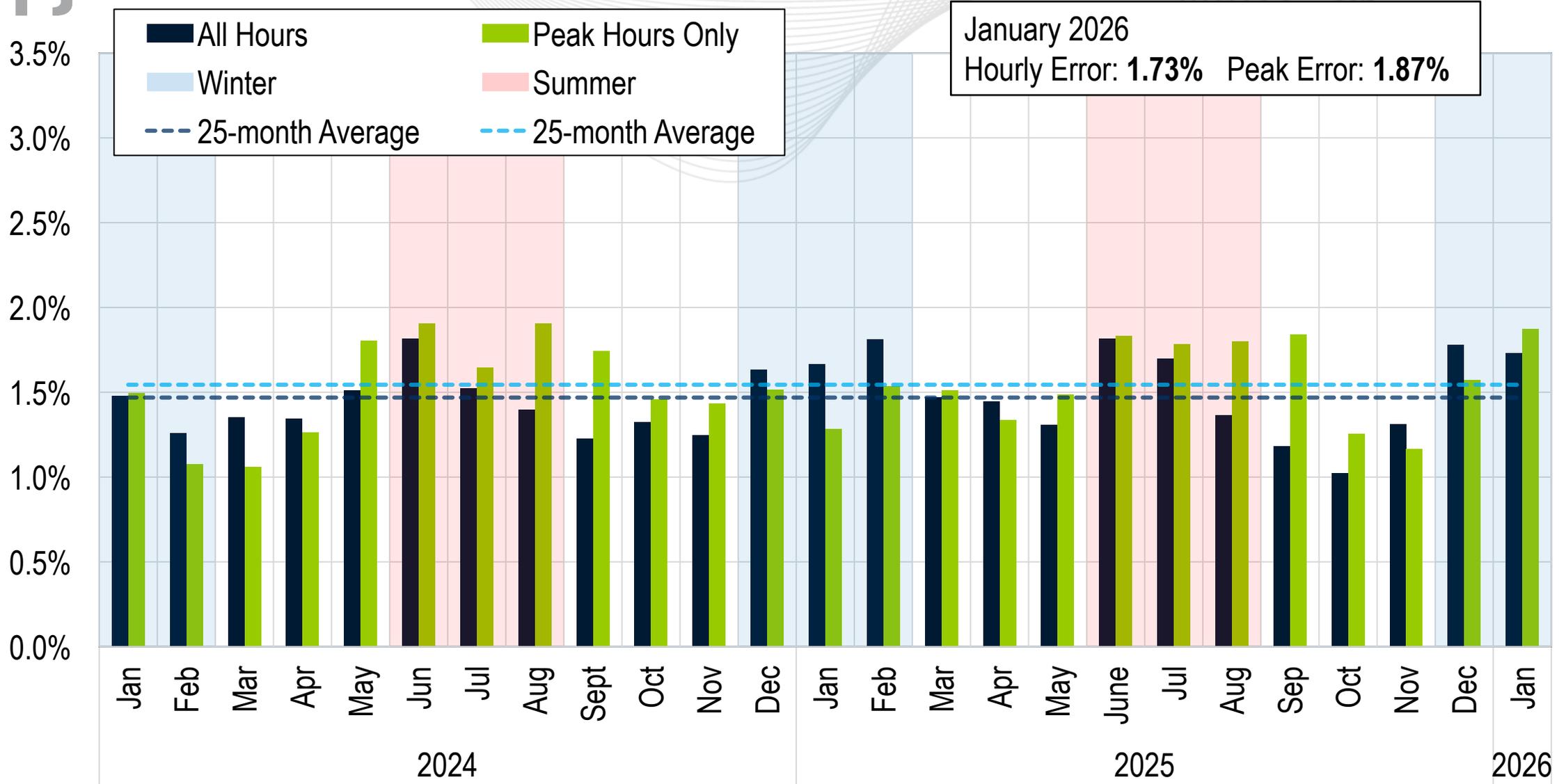
David Kimmel, Sr. Engineer II –
Performance Compliance

Members Committee

February 19th, 2026

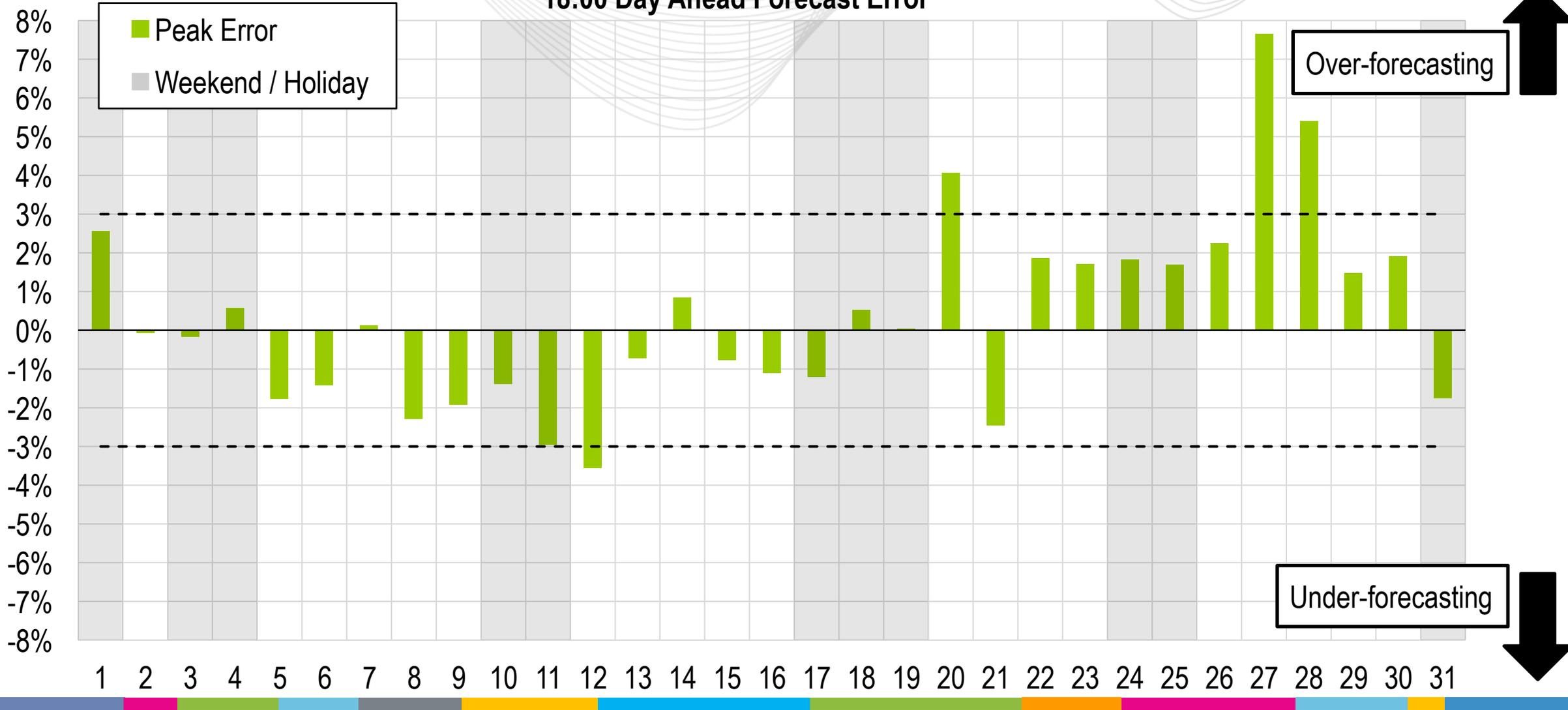


Average Load Forecast Error



Daily Peak Forecast Error (Jan.)

18:00 Day Ahead Forecast Error





Days Exceeding 3% Forecast Error at Peak Hour

Over-forecasting

Jan. 20

Despite colder temperatures, demand came in lower than expected after the holiday.

Jan. 27

Temperatures came in much warmer across the footprint.

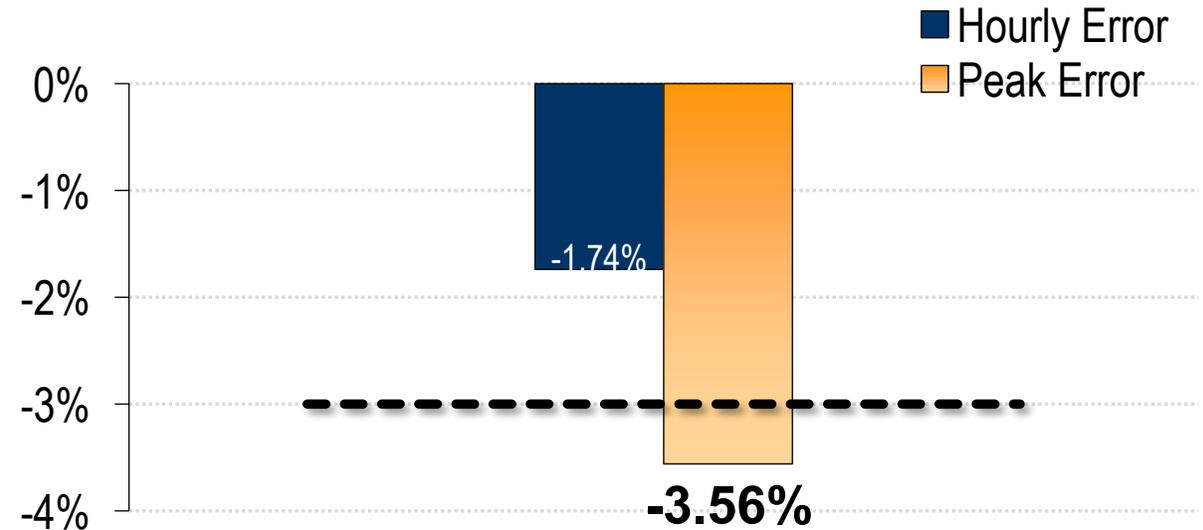
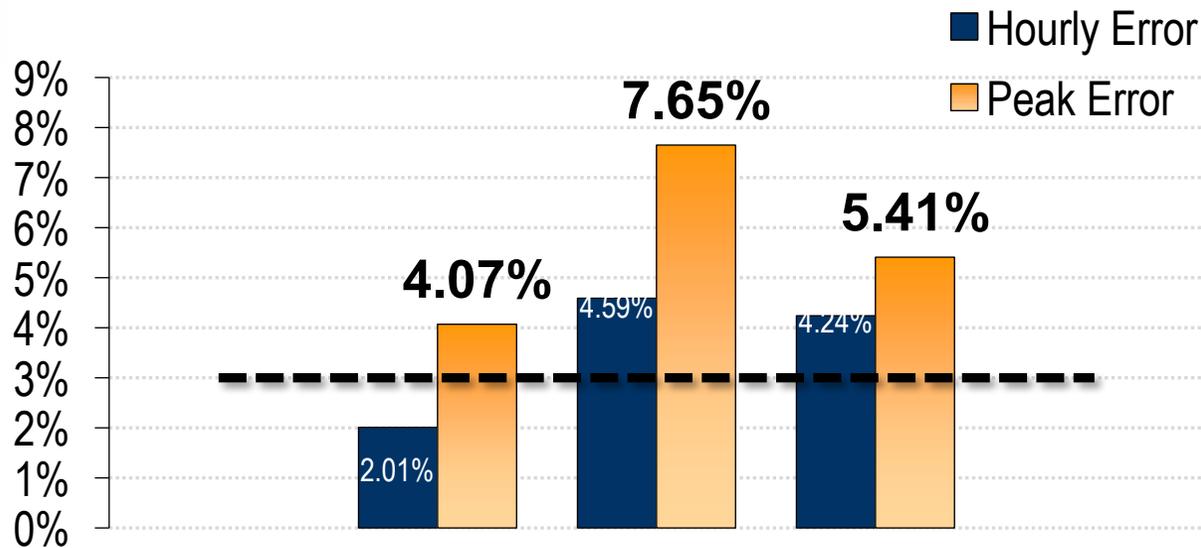
Jan. 28

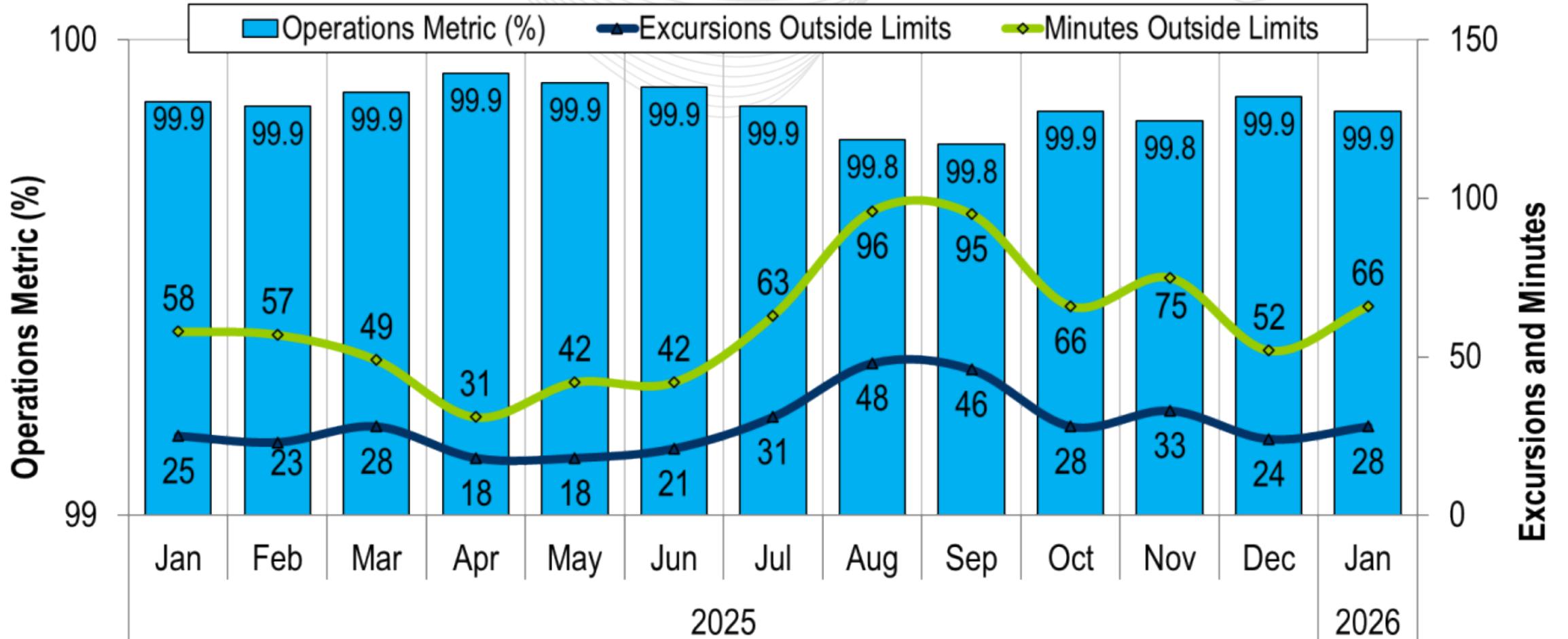
Temperatures came in much higher than forecast across the footprint.

Under-forecasting

Jan. 12

Temperatures came in colder leading to higher-than-expected loads.





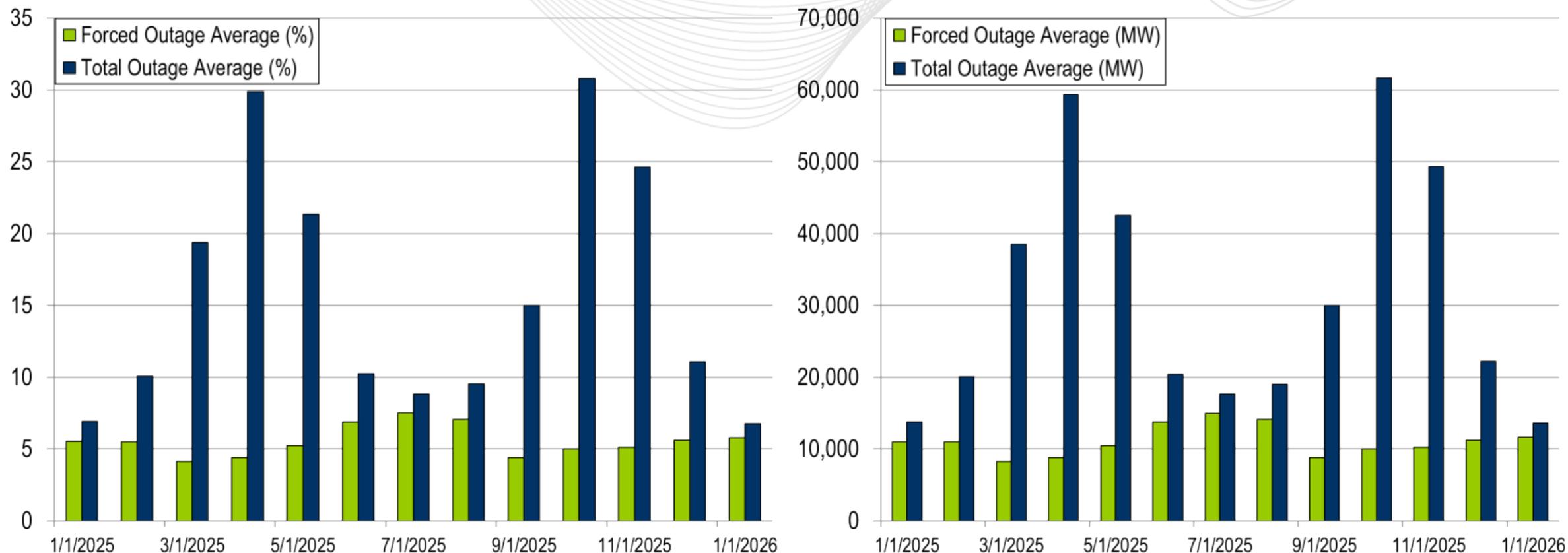
PJM's BAAL performance has exceeded the goal of 99% for each month in 2024 and 2025.

- The following Emergency Procedures occurred:
 - 4 Spin Events
 - 4 Shared Reserve Events
 - 1 Conservative Operations Alert
 - 1 Maximum Generation Emergency/Load Management Alert
 - 2 Pre-Emergency Load Management Reduction Action
 - 4 Cold Weather Alerts
 - 5 Geomagnetic Disturbance Warnings
 - 1 Low Voltage Alert
 - 1 NERC EEA Level 1
 - 22 Post Contingency Local Load Relief Warnings

- 19 Shortage Cases Approved
- The approved Shortage Cases occurred on:
 - 01/23/2026:
 - 1 shortage case approved for the 17:55 interval
 - Factors: Evening peak, under the market reserve requirement
 - 01/24/2026:
 - 4 shortage cases approved for the 05:40, 05:40, 05:45, and 05:50 intervals
 - Factors: Load pickup and export to neighbors

- The approved Shortage Cases occurred on:
 - 01/30/2026:
 - 1 shortage case approved for the 17:55 interval
 - Factors: Evening peak, under the market reserve requirement
 - 01/31/2026:
 - 2 shortage case approved for the 18:10 and 18:20 intervals
 - Factors: Evening peak, under the market reserve requirement
 - 01/31/2026:
 - 11 shortage cases approved for the 21:20, 21:25, 21:30, 21:45, 21:55, 22:00, 22:05, 22:10, 22:15, 22:20, and 22:25 intervals
 - Factors: Transmission Contingencies

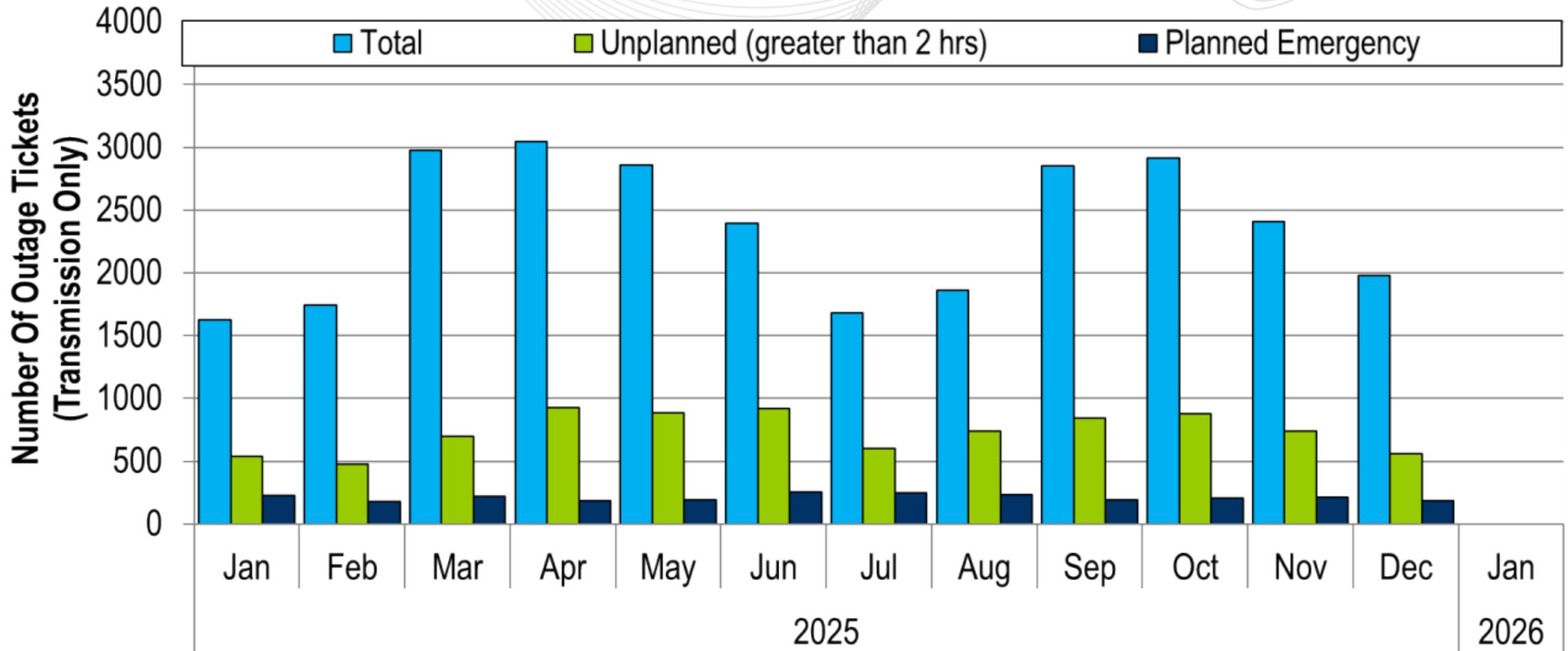
RTO Generation Outage Rate - Monthly



The 13-month average forced outage rate is 5.56% or 11,106 MW.
 The 13-month average total outage rate is 15.73% or 31,409 MW.

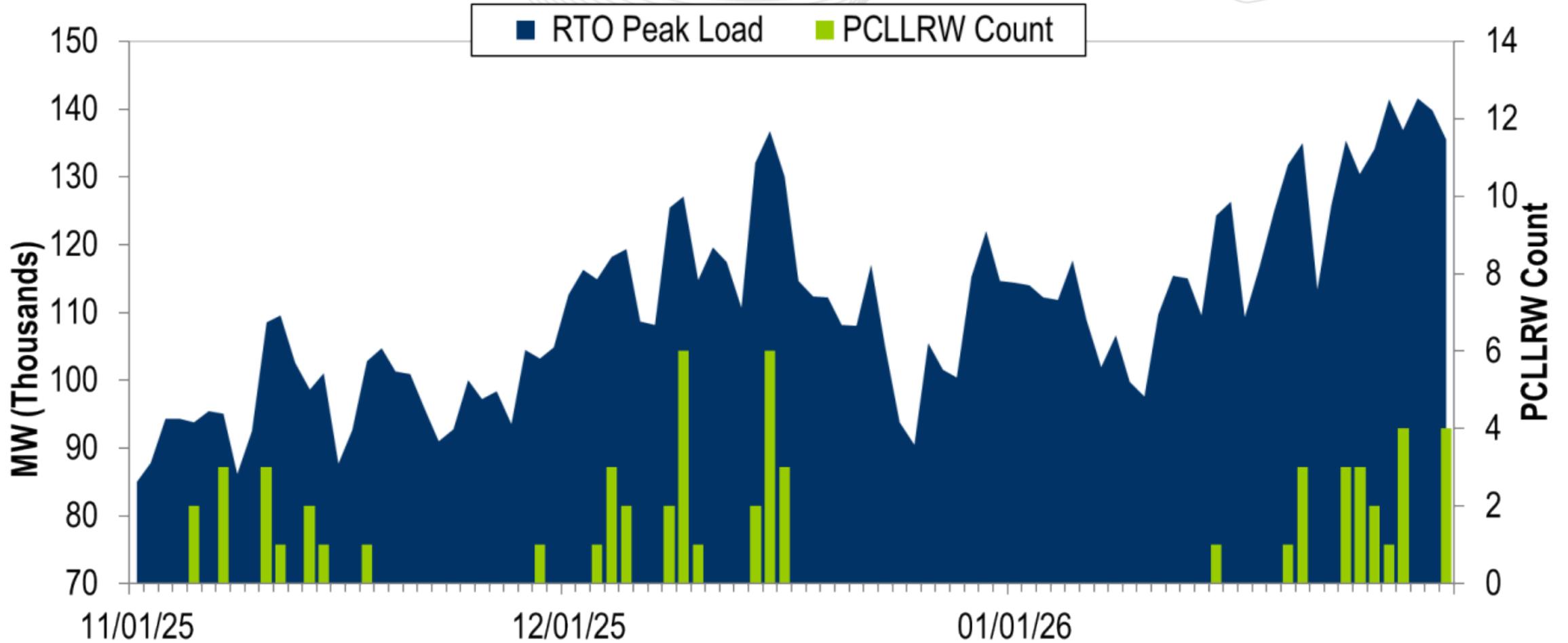


2024-2025 Planned Emergency, Unplanned, and Total Outages by Ticket (Transmission Only)



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

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





Spin Response

Event	1			2			3			4		
Date	01/09/26			01/18/26			01/30/26			01/31/26		
Start Time	21:32:58			03:21:32			12:47:52			05:23:08		
End Time	21:38:16			03:30:43			12:52:29			05:29:04		
Duration	00:05:18			00:09:11			00:04:37			00:05:56		
Region	RTO			MAD			RTO			RTO		
Resource Type	Gen	DR	Total	Gen	DR	Total	Gen	DR	Total	Gen	DR	Total
Assigned (MW)	1655	725	2380	2245	6	2251	3739	189	3927	2393	156	2548
Estimated Expected Response of Assigned Resources (MW)	877	384	1261	2062	6	2067	1726	87	1813	1420	92	1512
Actual Response of Assigned Resources (MW)	696	547	1242	1097	4	1101	1762	88	1850	1460	153	1614
Output Increase of Resources without Assignment (MW)	899	0	899	281	0	281	2264	0	2264	2447	0	2447
Percent Response To Assignment (%)	42%	75%	52%	49%	59%	49%	47%	47%	47%	61%	98%	63%
Percent Response To Estimated Expected Response (%)	79%	142%	99%	53%	64%	53%	102%	102%	102%	103%	166%	107%
Penalty (MW)	0	0	0	0	0	0	0	0	0	0	0	0

Event Counted Toward Qualifying Events	Qualifying Reason	Individual Percent Response To Assignment (%)	Average Percent Response To Assignment (%)

Load Forecast Report

Presenter/SME:

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System Operations Report

Presenter:

David Kimmel,
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SME:

Ross Kelly,
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Member Hotline

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(866) 400 – 8980

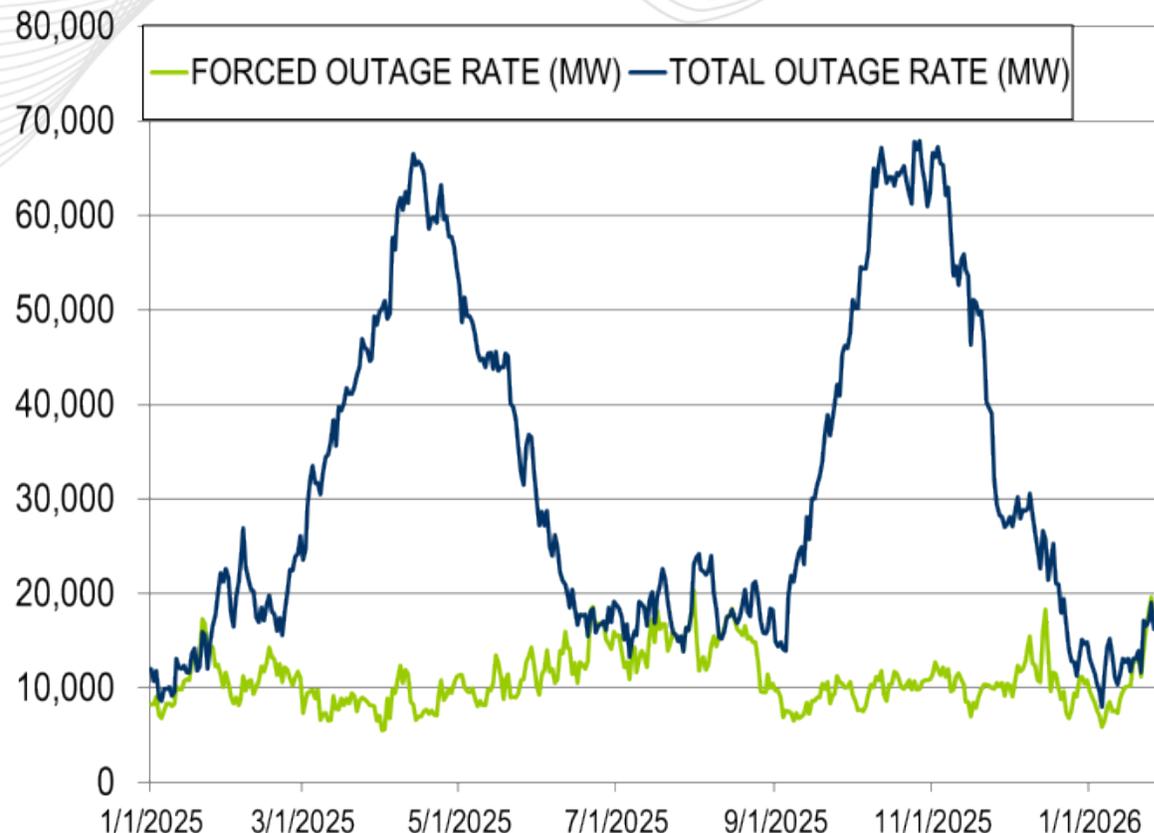
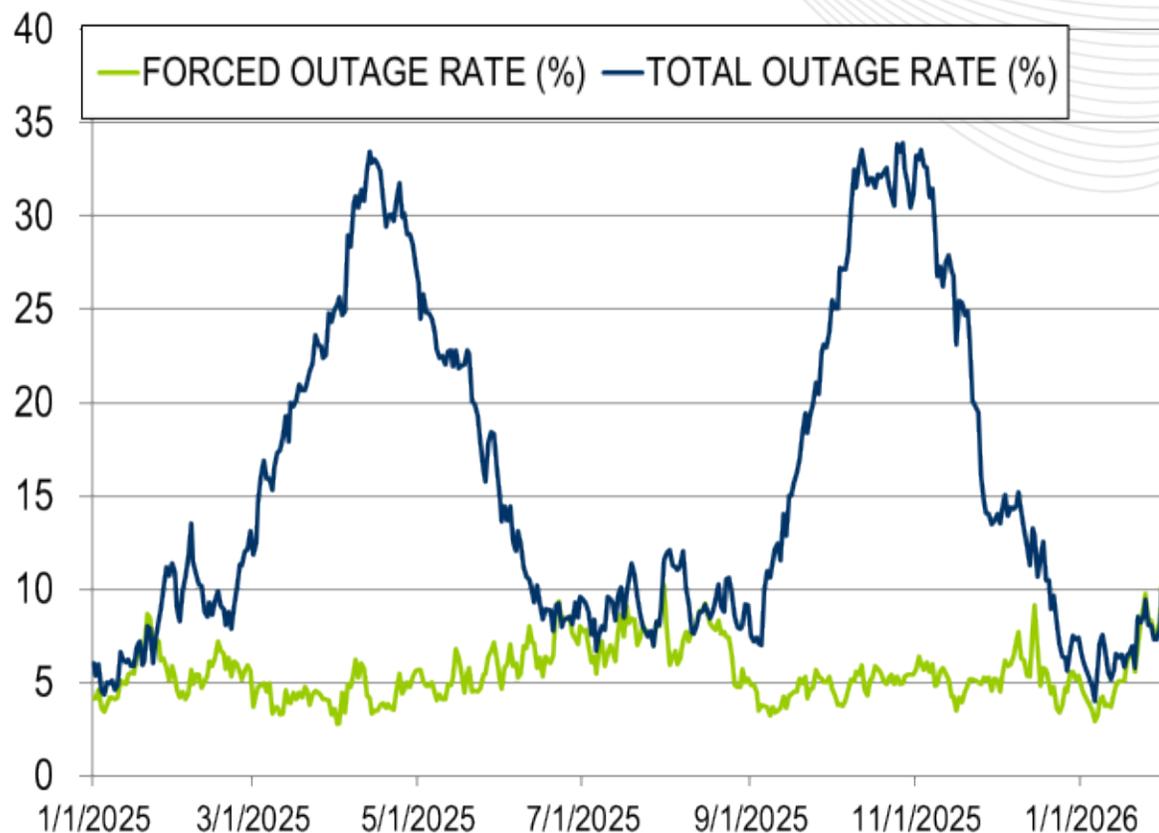
custsvc@pjm.com

Appendix

Goal Measurement: Balancing Authority ACE Limit (BAAL)

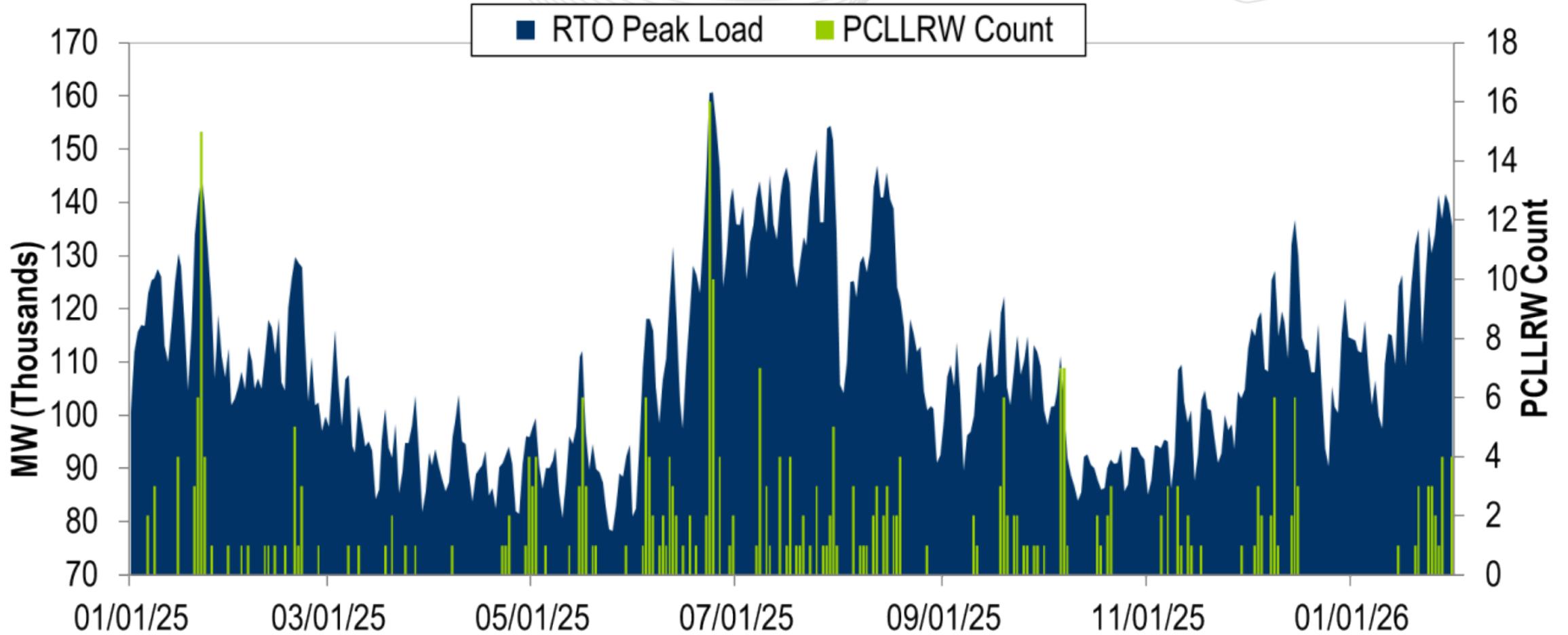
- The purpose of the new BAAL standard is to maintain interconnection frequency within a predefined frequency profile under all conditions (normal and abnormal), to prevent frequency-related instability, unplanned tripping of load or generation, or uncontrolled separation or cascading outages that adversely 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.

RTO Generation Outage Rate - Daily



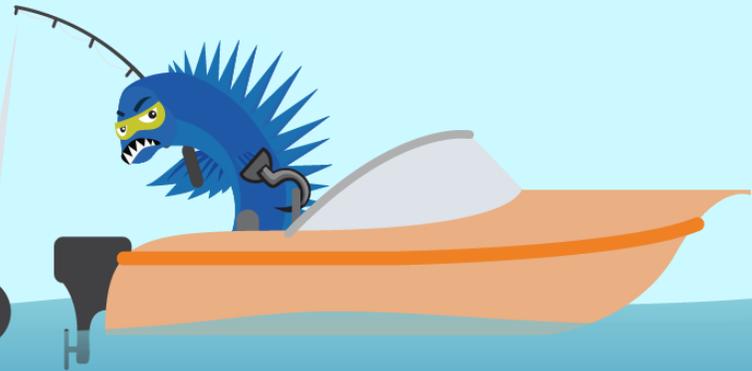
The 13-month average forced outage rate is 5.56% or 11,106 MW.
 The 13-month average total outage rate is 15.73% or 31,409 MW.

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



**PROTECT THE
POWER GRID**

**THINK BEFORE
YOU CLICK!**



**BE ALERT TO
MALICIOUS PHISHING
EMAILS**



**Report suspicious email activity to PJM.
Call (610) 666-2244 or email it_ops_ctr_shift@pjm.com**