System Operations Report

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Average Load Forecast Error

February 2022
Hourly Error: 1.74%  Peak Error: 1.71%
Daily Peak Forecast Error (February)

- Error at Peak Hour
- Weekend / Holiday

Over-forecasting
Under-forecasting
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.
PJM experienced no spinning events during the month of February 2022.
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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\textsubscript{LOW} or BAAL\textsubscript{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

- **RTO Peak Load**
- **PCLLRW Count**

Date Range: 02/01/21 to 02/01/22
PROTECT THE POWER GRID
THINK BEFORE YOU CLICK!

Be alert to malicious phishing emails.

Report suspicious email activity to PJM.
(610) 666-2244 / it_opsCtr_shift@pjm.com