Revised Presentation 10/04/2023
2023 - 2024 IRM Study
Summer Maintenance Assumption
Based on the 2022 Summer Maintenance Data
With Cause Code 9300 Events Removed

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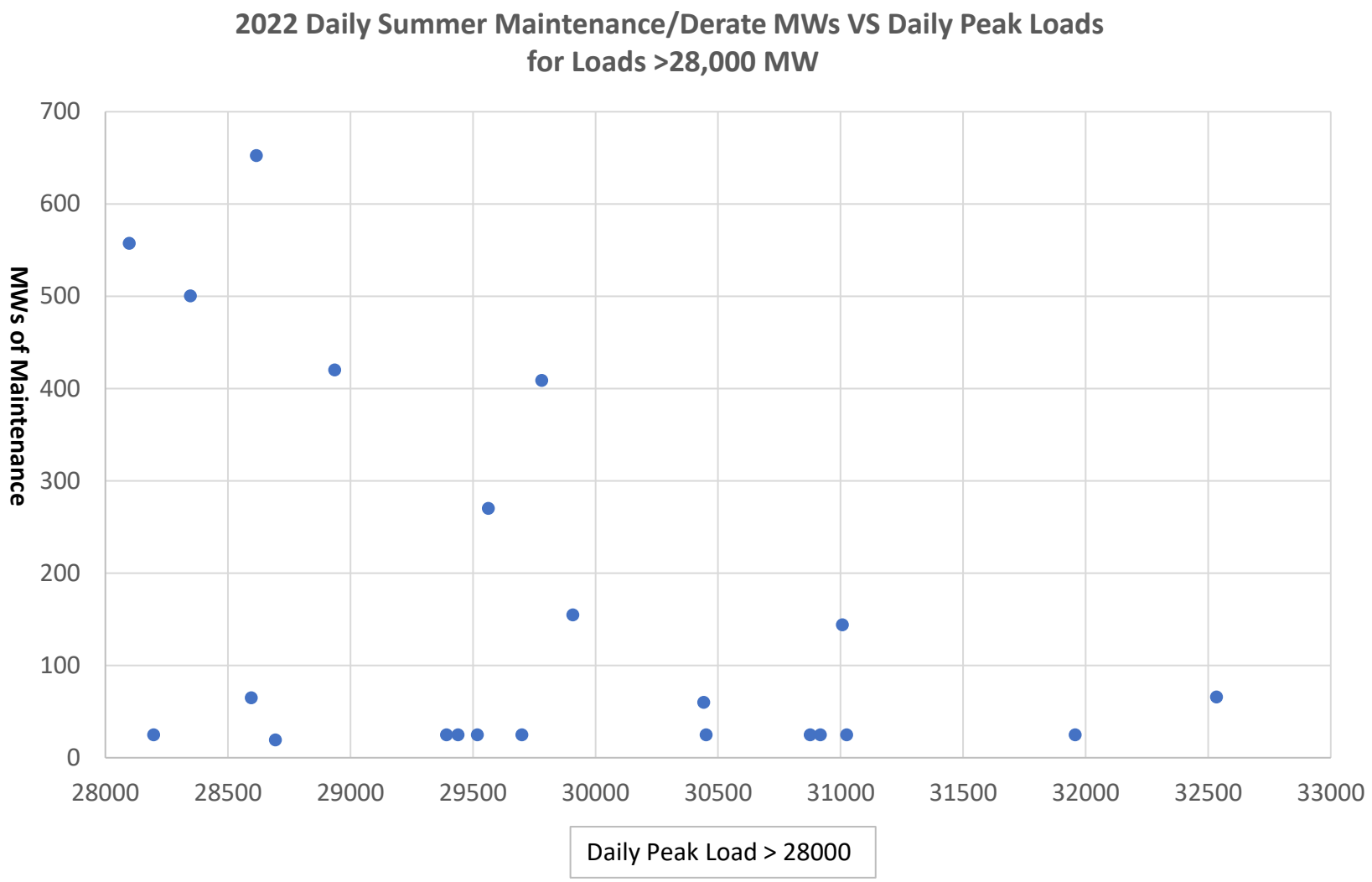
2022 Summer Maintenance Review

- Daily MW on maintenance for daily summer peak loads greater than 28,000 MW was developed from data provided by the NYISO.
- The data included hourly loads for 2022 with demand response and BTM solar added back and reported unit planned and maintenance outage events including derates from GADS.
- The period May 31 to Sept. 15 was reviewed for reported maintenance events.
- There were 22 days in this period when the load as defined exceeded 28,000 MWs.
- The reported summer peak load was 30,505 MW in 2022 or 0.962 per unit of the weather normalized summer peak VS a summer peak of 31,392.9MW in 2021 or .996 per unit.

2022 Summer Maintenance Review Continued

- During the period May 31 through mid September there were 116 D4s (maintenance derates), 122 MOs (maintenance outages), 0 MEs (maintenance extensions), 50 POs (planned outage), 0 PEs (planned extensions) and 52 PDs (planned derate) events for a total of 340 recorded events that were reviewed for this analysis.
- The 340 events are the events that remained after 158 events with cause code 9300 were removed.
- The MWs on outage for the days when loads exceeded 28,000 MW totaled 3568.2 MWs or an average of 162.2 MW per day.
- Plots of MW on maintenance VS daily peak loads was prepared for all daily peaks of 28,000 MW or more


2022 Daily Summer Maintenance/Derate MWs VS Daily Peak Loads
for Loads >28,000 MW
MWs of Maintenance
700
600
500
400
300
200
100
0
28000
28500
29000
29500
30000
30500
31000
31500
32000
32500
33000
Daily Peak Load > 28000

Findings and Recommendations

- Out of the total of 340 maintenance events reviewed for the period May 31 through mid September 265 or 77.9% of the total reviewed events occurred in Zones J&K.
- For daily peak loads equal to or greater than 30,000 MWs, the daily MWs unavailable due to maintenance averaged 49.4 MWs.
- The revised data set supports maintaining the current summer maintenance assumption of 50 MWs split between zones J&K.
- Under the assumption that outage events with cause code 9300 are captured in the EFORd, I recommend no change in the summer maintenance assumption.