

2022 - 2023 IRM Study
Summer Maintenance Assumption
Based on the 2020 Summer Maintenance Review
ICS Meeting 249 August 4, 2021

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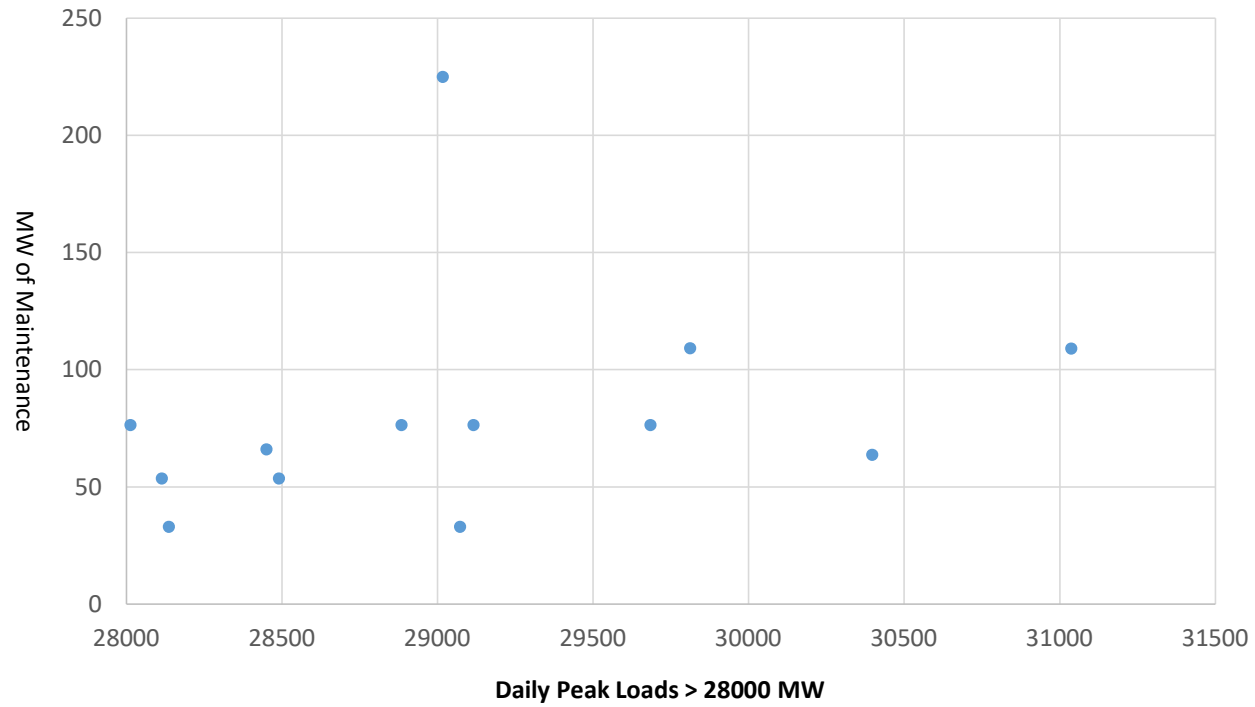
2020 Summer Maintenance Review

- 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 2020 hourly loads and reported unit planned and maintenance outage events including derates.
- There were 13 daily peak loads above 28,000 MW VS. 10 in 2019.
- The summer peak load was 31037 MW in 2020 or 0.978 per unit of the weather normalized summer peak VS a summer peak of 30,480 MW in 2019 or .944 per unit.
- The 2020 peak day occurred on a Monday VS a Saturday in 2019.

2020 Summer Maintenance Review Continued

- During the months of June, July, August and through mid September there were 214 D4s (maintenance derates), 208 MOs (maintenance outages), 4 MEs (Maintenance Extensions), 47 POs (planned outage), 2 PEs (Planned Extensions) and 41 PDs (planned derate) events for a total of 516 recorded events that were reviewed for this analysis .
- 12 out of the 516 reported events occurred during peak hours on days when loads exceeded 28,000 MW and spanned multiple days.
- The MWs on outage for the days when peak loads exceeded 28,000 MW totaled 1050.6 MW or an average of 80.8 MW per day.
- A plot of MWs on maintenance VS daily peak loads was prepared for all daily peaks of 28,000 MW or more

**2020 Daily Summer Maintenance MW VS Daily Peak Loads
for Loads >28,000 MW**



Findings and Recommendations

- Out of the total of 516 maintenance events reported during June through mid September 403 or 78% of those occurred in Zones J & K.
- Recommend maintaining the summer maintenance at 50 MW and distributed as in 2021 - 2022 IRM study in Zones J&K – 25 MW in each Zone.