2021 - 2022 IRM Study
Summer Maintenance Assumption
2019 Summer Maintenance Analysis

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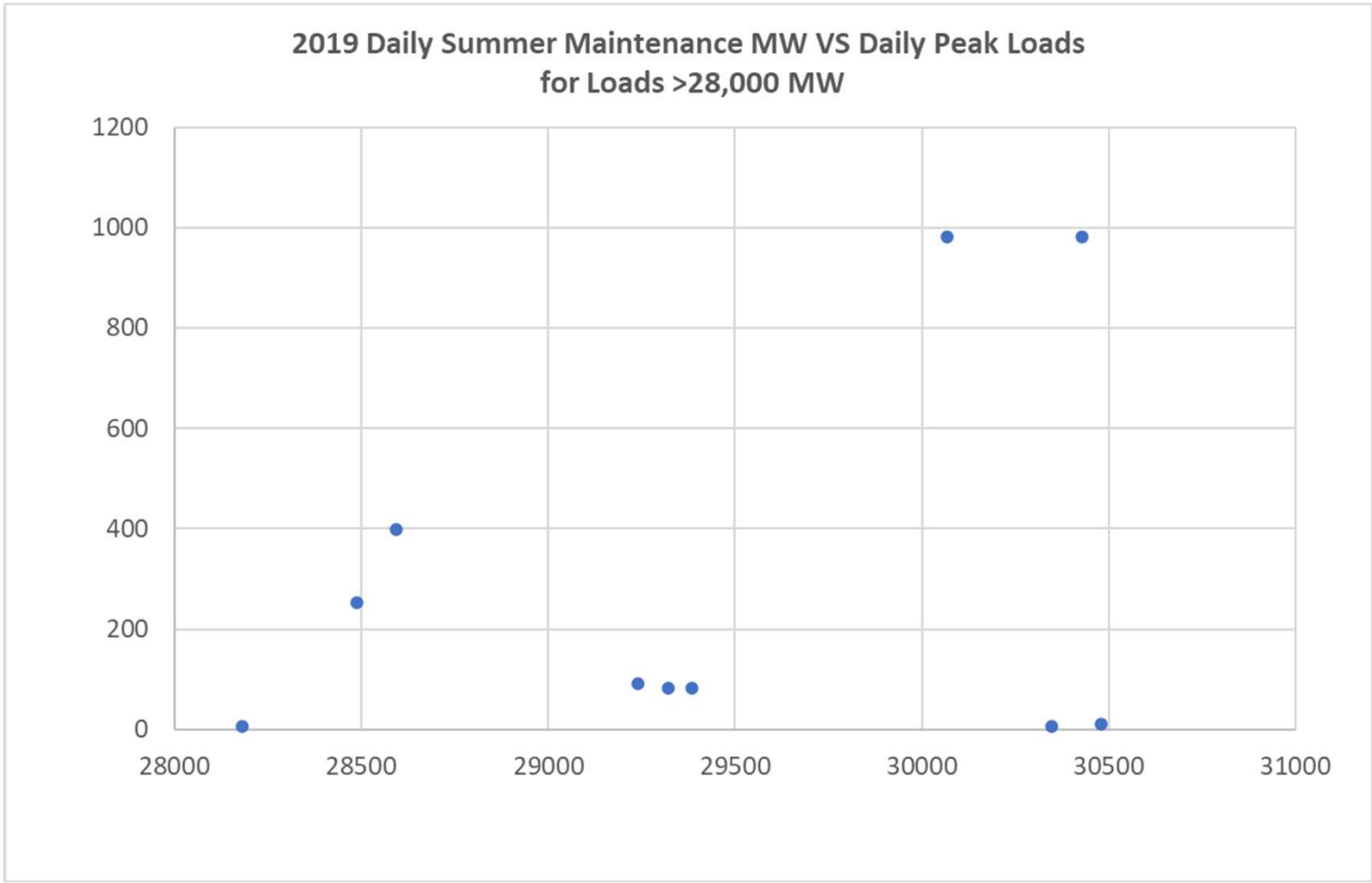
2019 Summer Maintenance Analysis

- 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 2019 hourly loads and reported unit planned and maintenance outage events including derates.
- There were 10 daily peak loads above 28,000 MW VS. 24 in 2018.
- The summer peak load was 30,480 MW in 2019 or .944 per unit of the weather normalized summer peak VS a summer peak of 32,280 MW in 2018 or .993 per unit.
- The peak day occurred on a Saturday while the third highest peak load occurred on a Sunday.

2018 Summer Maintenance Analysis Continued

- During the months of June, July, August and through mid September there were 19 D4s (maintenance derates), 99 MOs (maintenance outages), 65 POs (planned outage), and 32 PDs (planned derate) events for a total of 215 events that were included in the analysis.
- 9 out of the 215 events occurred on days when loads exceeded 28,000 MW and spanned multiple days.
- The MWs on outage for the days when loads exceeded 28,000 MW totaled 2894 MW or an average of 289.4 MW per day.
- Plots of MW on maintenance VS daily peak loads was prepared for all daily peaks of 28,000 MW or more


2019 Daily Summer Maintenance MW VS Daily Peak Loads
for Loads >28,000 MW
1200
1000
800
600
400
200
0
28000
28500
29000
29500
30000
30500
31000

Findings and Recommendations

- Out of the total of 215 maintenance events during June through mid September 152 or 70.7% of those occurred in Zones J & K.
- Recommend maintaining the summer maintenance at 50 MW and distributed as in 2019 - 2020 IRM study in Zones J&K – 25 MW in each Zone.