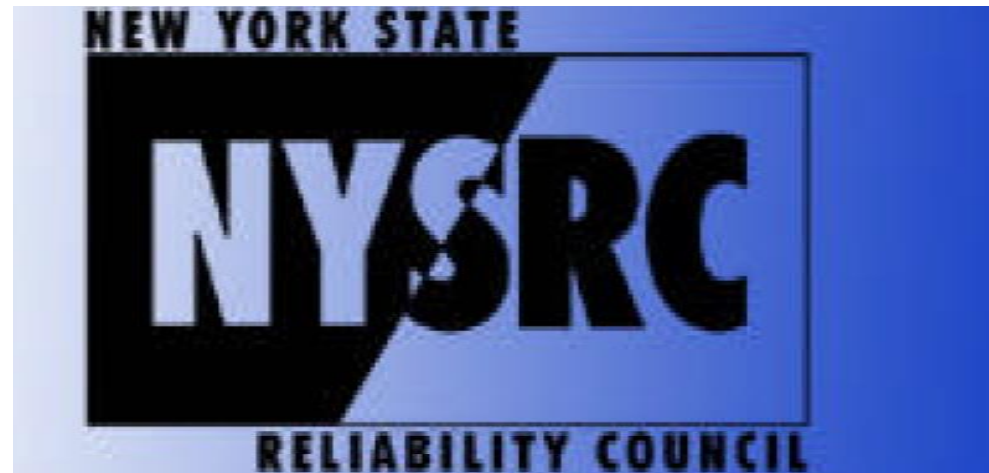


**2020 - 2021 IRM Study
Summer Maintenance Assumption
2018 Summer Maintenance Analysis**

**John Adams
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7/30/2019**



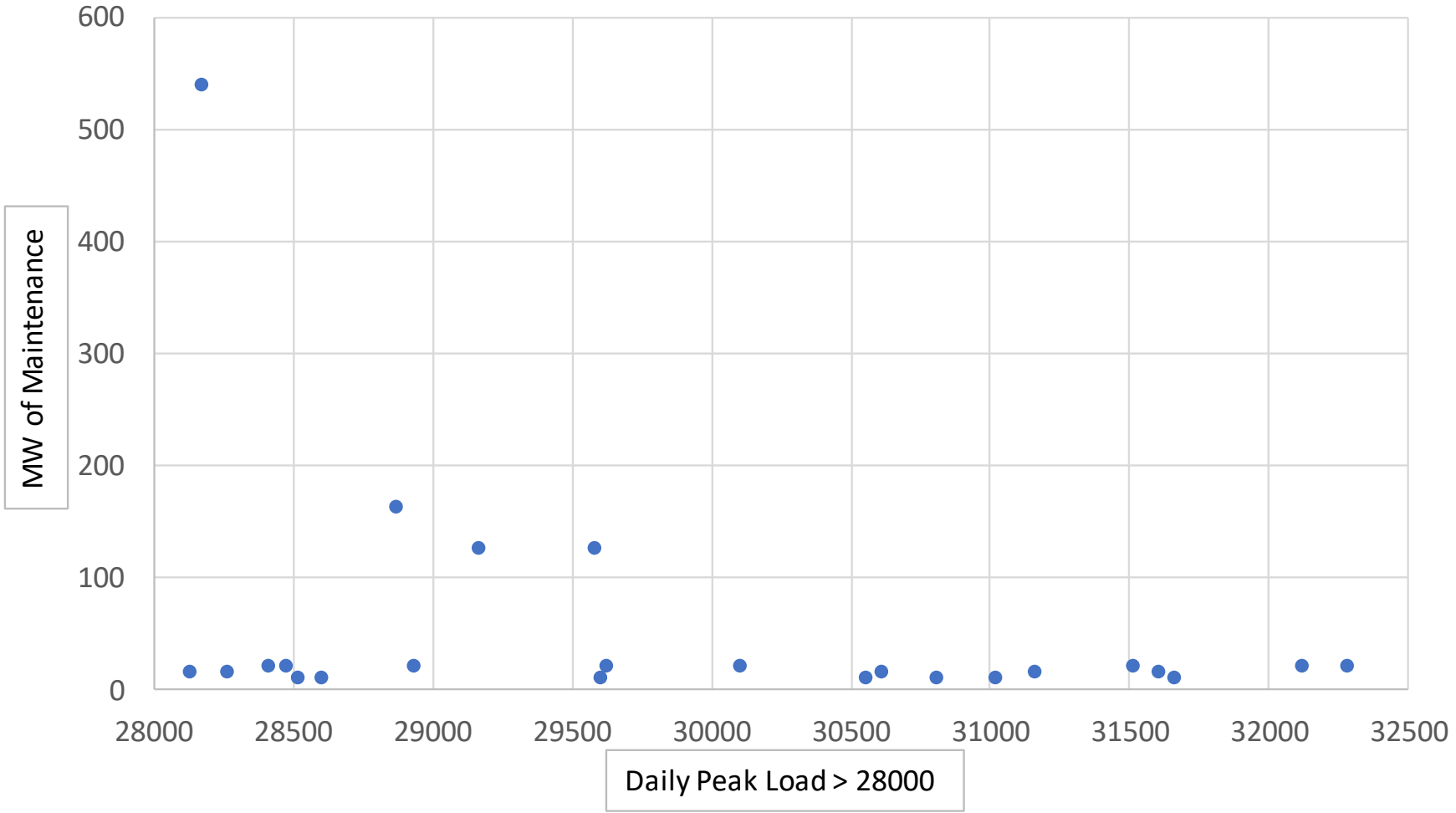
2018 Summer Maintenance Analysis

- 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 2018 hourly loads and reported unit planned and maintenance outage events including derates.
- There were 24 daily peak loads above 28,000 MW VS. 8 in 2017.
- The summer peak load was 32,280 MW in 2018 or .993 per unit of the weather normalized summer peak VS a summer peak of 29,699 MW in 2017 or .91 per unit.

2018 Summer Maintenance Analysis Continued

- During the months of June, July, August and September there were 9 D4s (maintenance derates), 25 MOs (maintenance outages), 5 MEs (maintenance extensions), 15 POs (planned outage), and 9 PDs (planned derate) events for a total of 63 events that were reported.
- 7 out of the 63 events occurred on days when loads exceeded 28,000 MW.
- The MWs on maintenance for the days when loads exceeded 28,000 MW totaled 1276 MW or an average of 53.2 MW per day.
- Plots of MW on maintenance VS daily peak loads was prepared for all daily peaks of 28,000 MW or more

**2018 Daily Summer Maintenance MW VS Daily Peak Loads
for Loads >28,000 MW**



Findings and Recommendations

- Out of the total of 63 maintenance events reported during June through September 40 of those occurred in Zones J & K.
- The data observed for the summer of 2018 was consistent with data observed in prior years.
- 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.