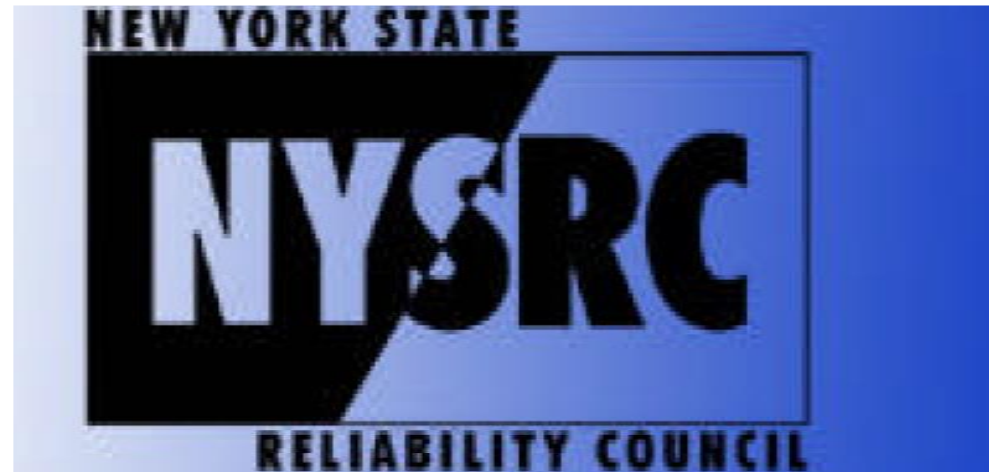


**2023 - 2024 IRM Study  
Summer Maintenance Assumption  
Based on the 2021 Summer Maintenance Review**

**John Adams  
NYSRC Consultant**



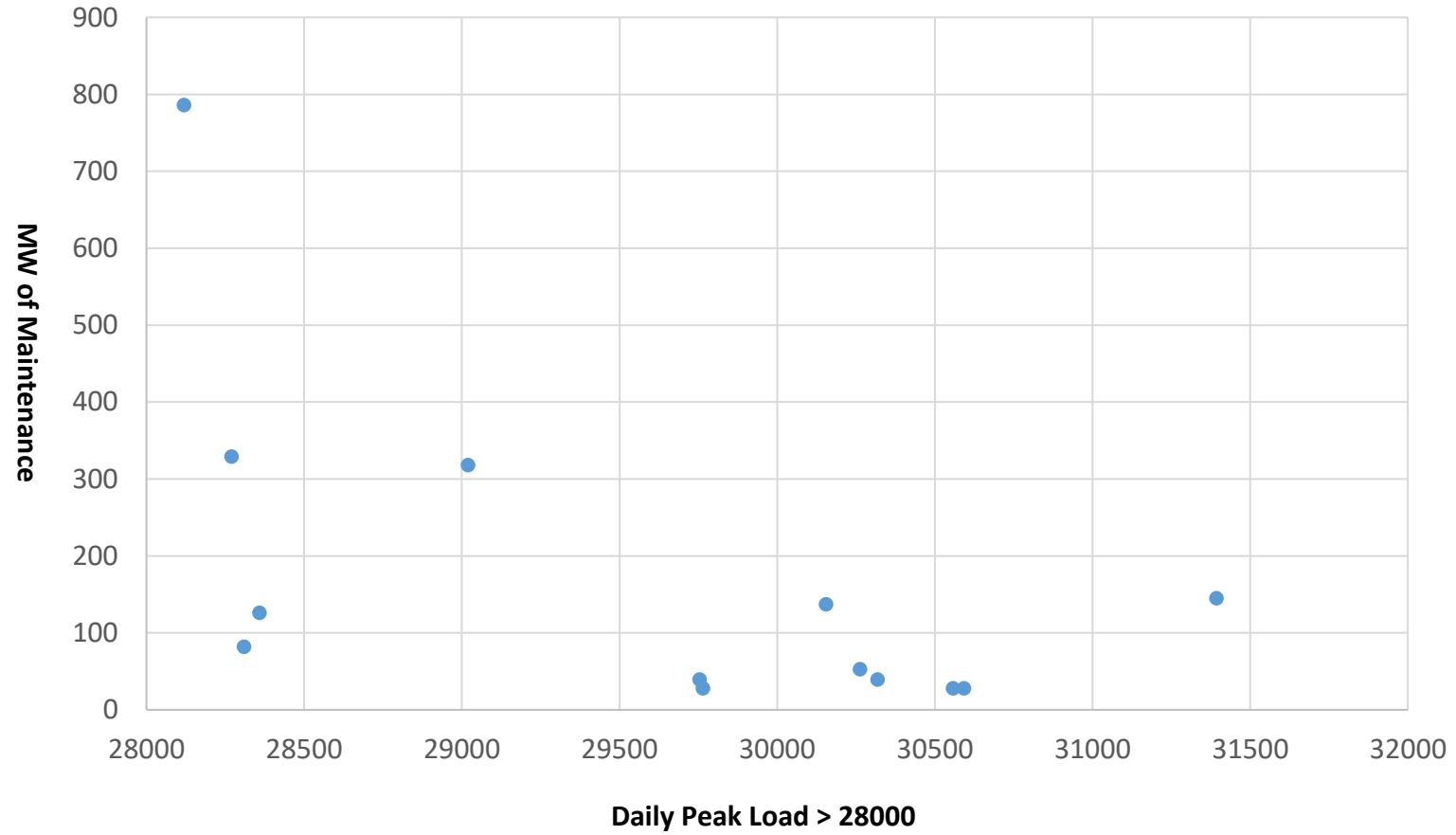
## 2021 Summer Maintenance Review

- 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 2021 hourly loads and reported unit planned and maintenance outage events including derates.
- There were 14 daily peak loads above 28,000 MW VS. 13 in 2020.
- The summer peak load was 31,392.9 MW in 2021 or 0.996 per unit of the weather normalized summer peak VS a summer peak of 31,037MW in 2020 or .978 per unit.
- The 2021 peak day occurred on a Tuesday VS a Monday in 2020.

## 2021 Summer Maintenance Review Continued

- During the months of June, July, August and through mid September there were 199 D4s (maintenance derates), 204 MOs (maintenance outages), 0 MEs (maintenance extensions), 40 POs (planned outage), 0 PEs (planned extensions) and 43 PDs (planned derate) events for a total of 486 recorded events that were reviewed for this analysis .
- 22 out of the 486 reported events impacted days when loads exceeded 28,000 MW.
- The MWs on outage for the days when loads exceeded 28,000 MW totaled 2342.1 MW or an average of 167.3 MW per day.
- Plots of MW on maintenance VS daily peak loads was prepared for all daily peaks of 28,000 MW or more

**2021 Daily Summer Maintenance MW VS Daily Peak Loads  
for Loads >28,000 MW**



## Findings and Recommendations

- Out of the total of 486 maintenance events reported during June through mid September 384 or 79% of those occurred in Zones J & K.
- Recommend maintaining the summer maintenance at 50 MW and distributed as in 2022 - 2023 IRM study in Zones J&K – 25 MW in each Zone.