

Review of the GADS 2024 Summer Maintenance Events August 6, 2025 ICS Meeting

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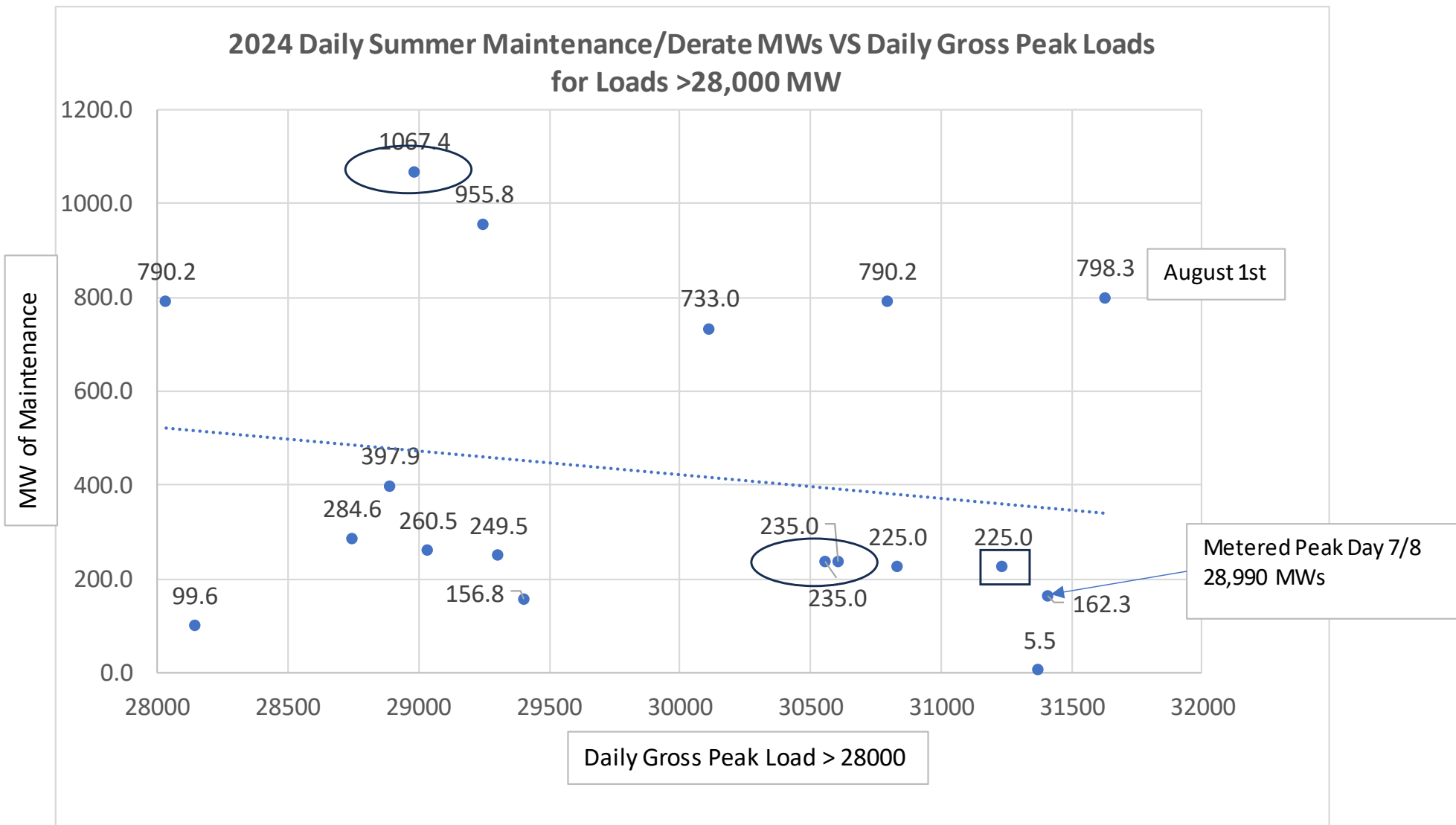


2024 Review of GADS Summer Maintenance Events

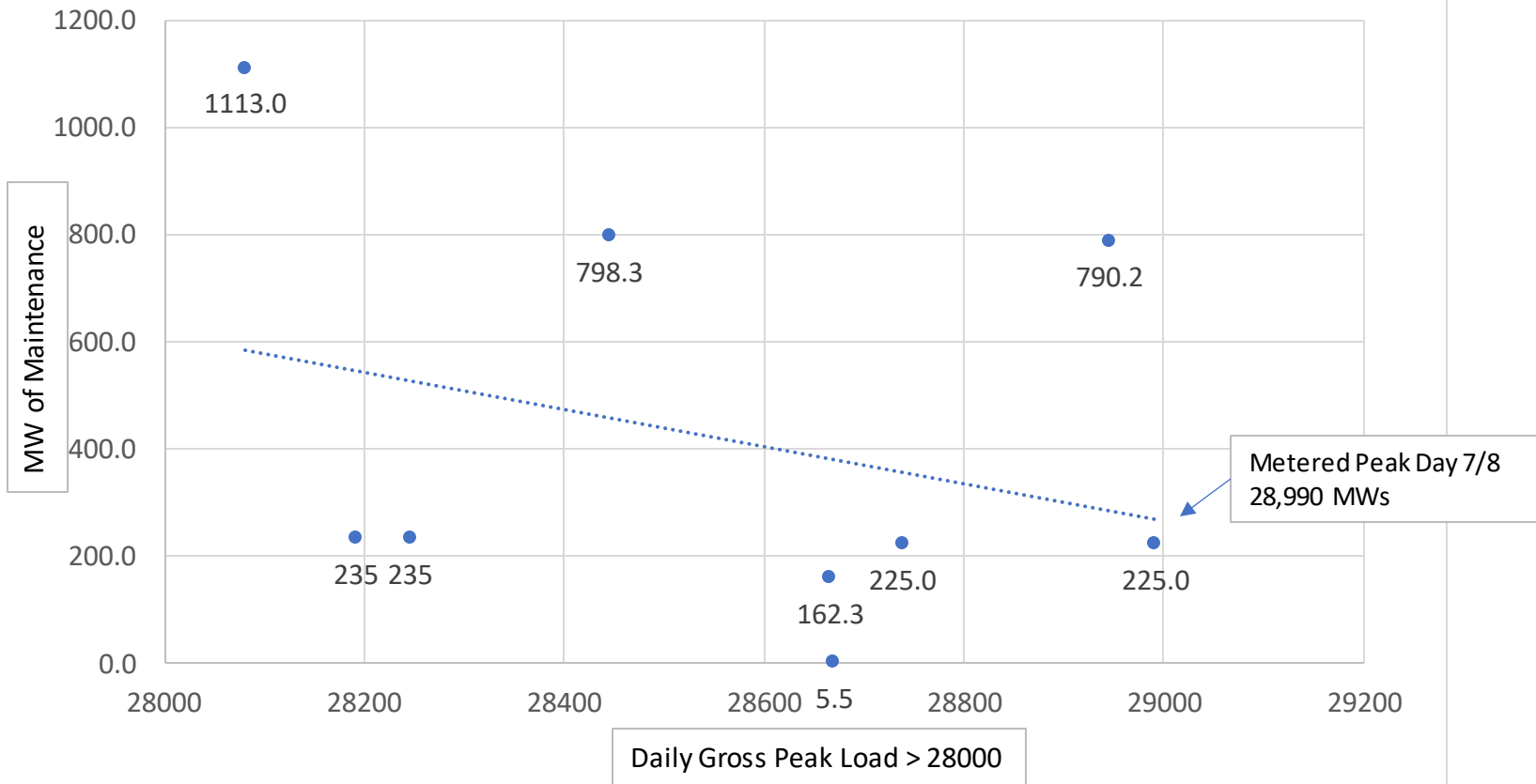
- Daily MW on maintenance for daily summer peak loads greater than 28,000 MW was developed from data provided by the NYISO.
- The data analyzed included hourly loads for 2024 with demand response and BTM solar added back and from GADS the reported unit planned and maintenance outage events including derates.
- The period June 1 to Sept. 15 was reviewed for reported maintenance events.
- There were 19 days in this period when the gross load as defined above exceeded 28,000 MWs.
- The reported gross summer peak load was 31,624.1 MW on August 1st or 1.009 per unit of the weather normalized summer peak while the metered summer peak load for 2024 was 28,990.0 July 8th or 0.925 per unit of the weather normalized gross peak load.

2024 Summer Maintenance Review (Continued)

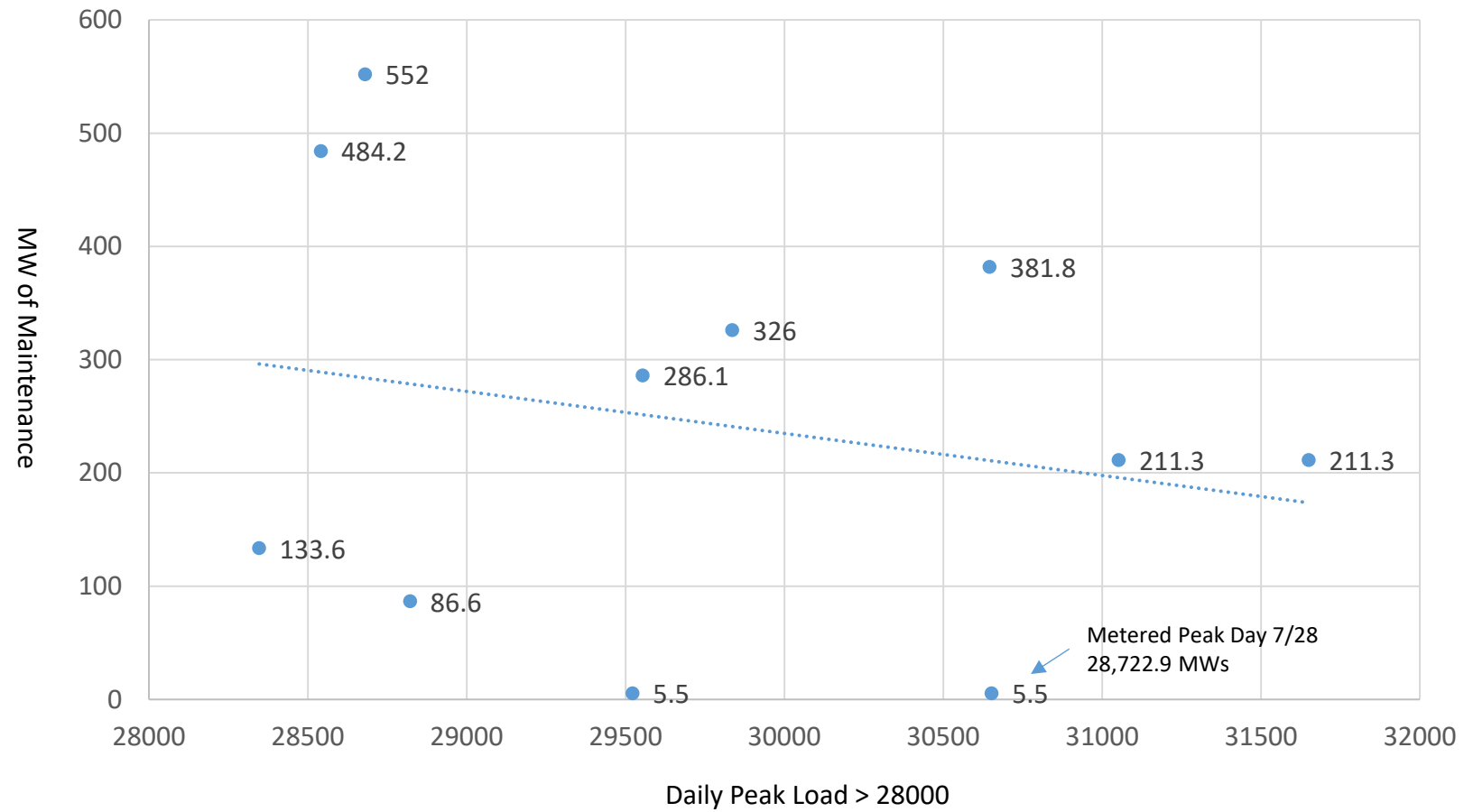
- During the period June 1 through mid September there were a total of 447 recorded GADS maintenance events that were initially identified for this analysis.
- After events with cause code 9300 (transmission limitations) were removed, 376 events remained for the summer maintenance analysis.
- The 376 events consisted of 154 D4s (maintenance derates), 199 MOs (maintenance outages), 0 MEs (maintenance extensions), 41 POs (planned outage), 0 PEs (planned extensions) and 81 PDs (planned derate).
- Approximately 7% out of the 376 events reviewed impacted days when gross loads exceeded 28,000 MW.
- The MWs on outage for the days when gross loads exceeded 28,000 MW totaled 8342.8 MWs or an average of 362.7 MW per day.
- Plots of MW on maintenance VS gross daily peak loads was prepared for all daily peaks of 28,000 MW or more



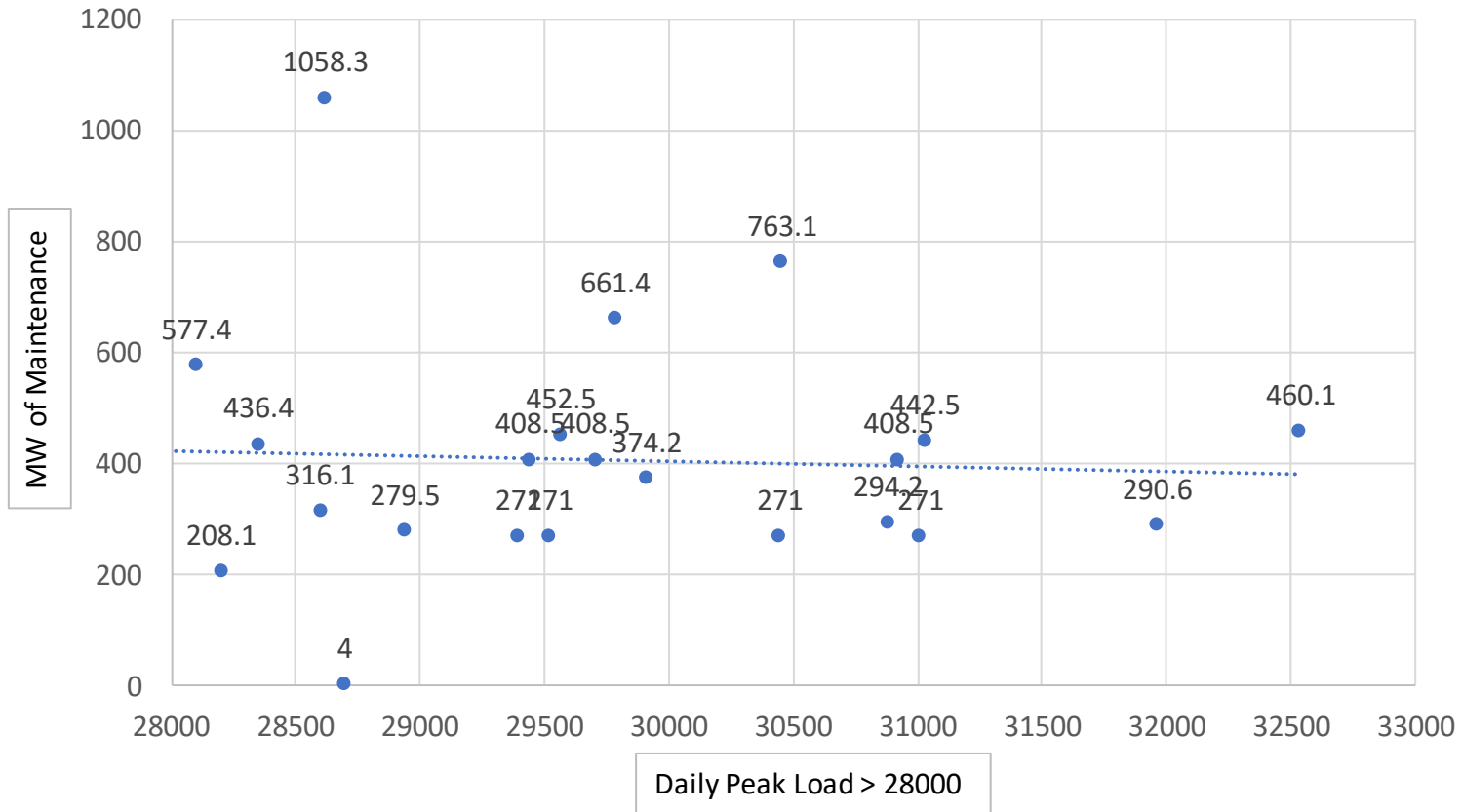
2024 Daily Summer Maintenance/Derate MWs VS Metered Daily Peak Loads
for Loads >28,000 MW



2023 Daily Summer Maintenance/Derate MWs VS Daily Peak Loads
For Loads As Defined >28,000 MW



**2022 Daily Summer Maintenance/Derate MWs VS Gross Daily Peak Loads
for Loads >28,000 MW**



Findings and Recommendations

- A total of 376 maintenance events were reviewed for the period June 1 through mid September 15.
- 294 or 78.2% of the total events reviewed occurred in Zones J&K.
- The level of summer maintenance observed continues to support the modeling of summer maintenance in the IRM study.
- Several POs were observed that had start dates in January or early spring that ran through the middle of and, in some cases, into late June. Therefore, resuming the modeling planned maintenance in IRM studies should be a high priority for the next IRM study cycle.
- Just as cause codes 9300 (maintenance outages/derates resulting from transmission line outages) get rolled into the EFORd/Transition Matrices for the IRM study, similar treatment for the summer MOs and D4s (maintenance derates) should be investigated. There was one MO that ran for eleven days starting in early July.