2017 IRM Study
Summer Maintenance Assumption
2016 Summer Maintenance Analysis

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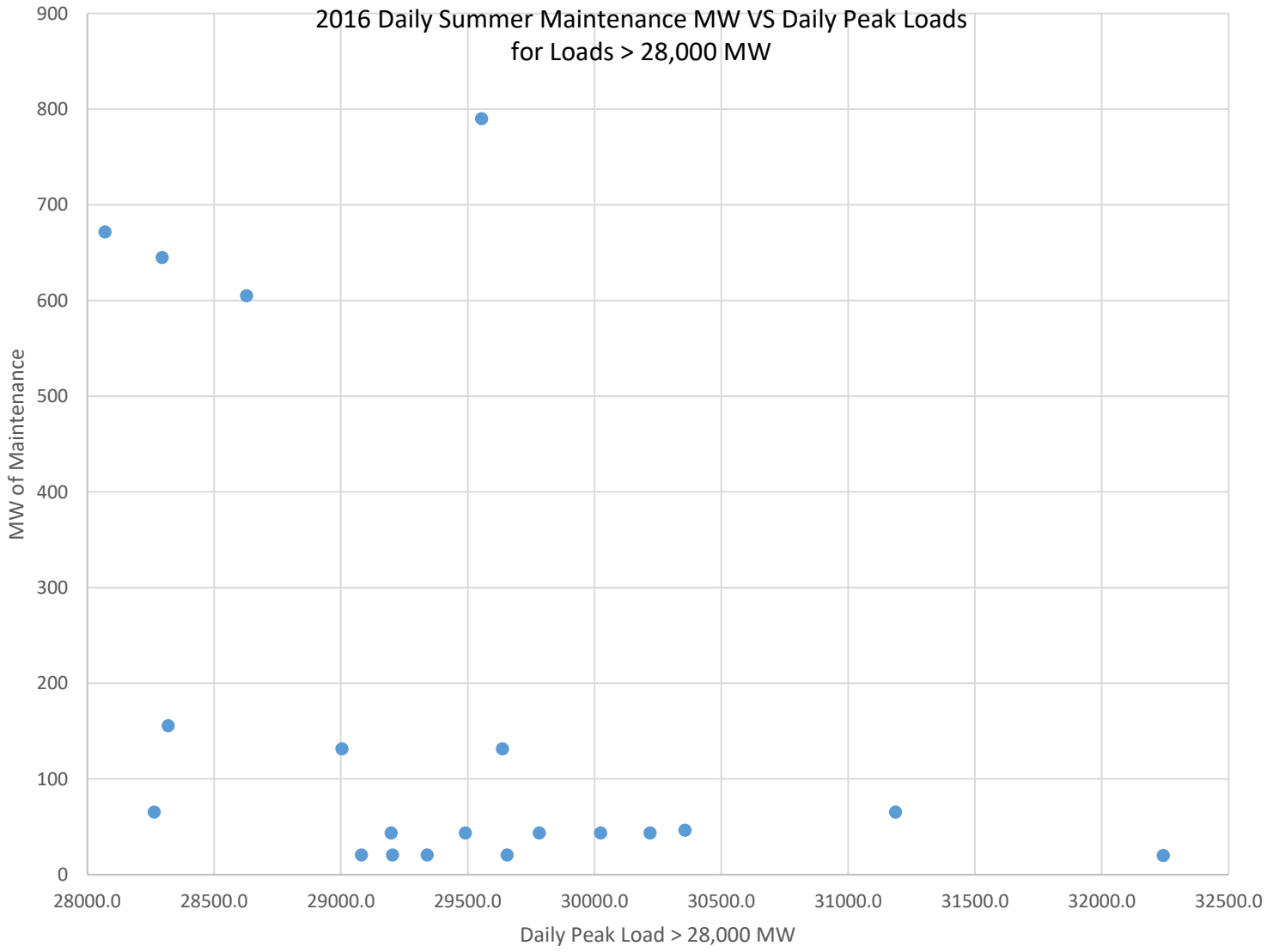
2016 Summer Maintenance Analysis

- 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 2016 hourly loads and unit planned and maintenance outage events including derates.
- There were 25 daily peak loads which were 28,000 MW or higher.
- The summer peak load was 32,282 MW or .97 per unit of the forecasted summer peak (PUFSP).
- 23 of the observations were at least .85 PUFSP or higher while 7 were at least .90 PUFSP or higher.
- The summer peak for 2015 was 31,138 MW or .93 PUFSP.

2016 Summer Maintenance Analysis Continued

- During the months of July, August and September there were 15 D4s (maintenance derates), 1 DMs (derate extension), 40 MOs (maintenance outages), 8 MEs (maintenance extensions), 10 POs (planned outage) and 7 PDs (planned derate) events were reported in the GADS data .
- For daily peak loads greater than 28,000 MW, the MWs on maintenance for the events included in the analysis totaled 3,626.9 MW.
- Plots of MW on maintenance VS daily peak loads was prepared for all daily peaks of 28,000 MW or more


2016 Daily Summer Maintenance MW VS Daily Peak Loads
for Loads > 28,000 MW
MW of Maintenance
900
800
700
600
500
400
300
200
100
0
28000.0
28500.0
29000.0
29500.0
30000.0
30500.0
31000.0
31500.0
32000.0
32500.0
Daily Peak Load > 28,000 MW

Findings and Recommendations

- The plot of MW on maintenance is consistent with prior years observations.
- That is, the amount of capacity on maintenance is downward sloping VS. increasing daily peak loads.
- For daily peak loads of .90 PUFSP or higher maintenance outages drop off significantly.
- Recommend maintaining the summer maintenance at 50 MW with it with it distributed as in the 2016 IRM study in Zones J&K – 25 MW in each Zone.