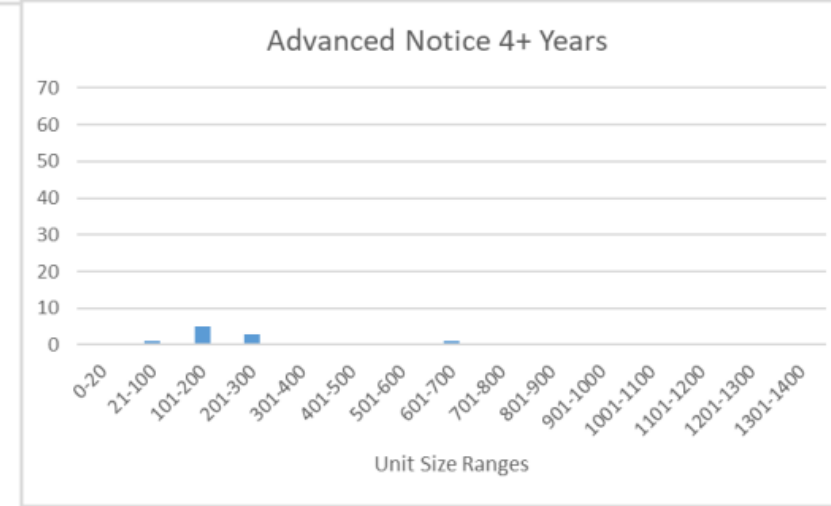
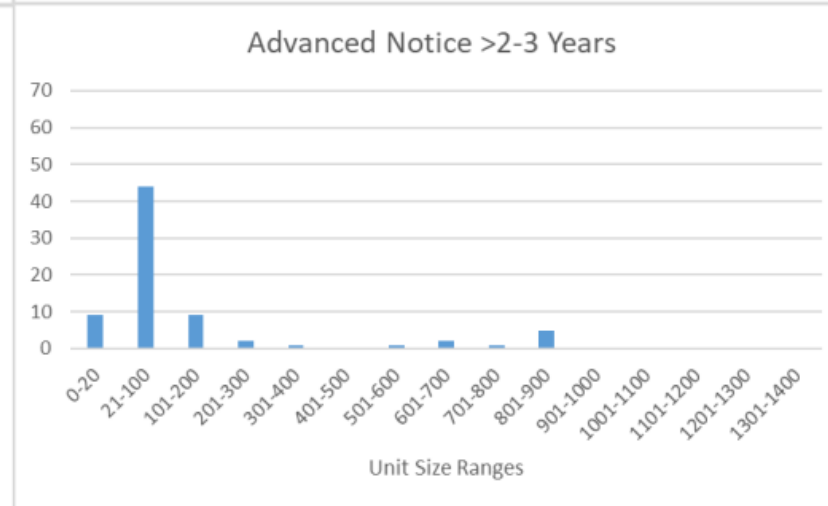
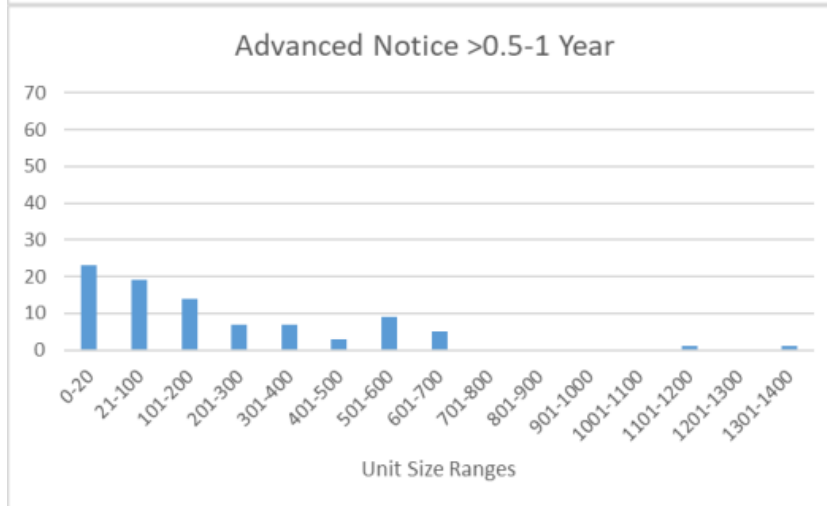
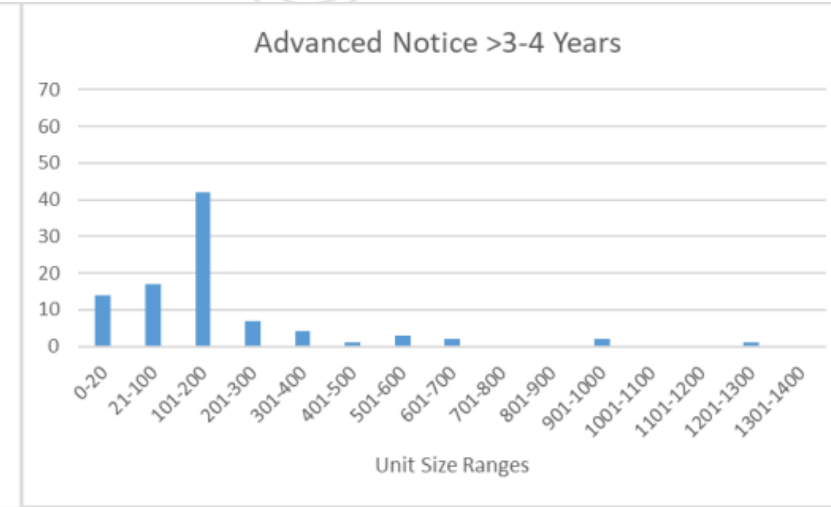
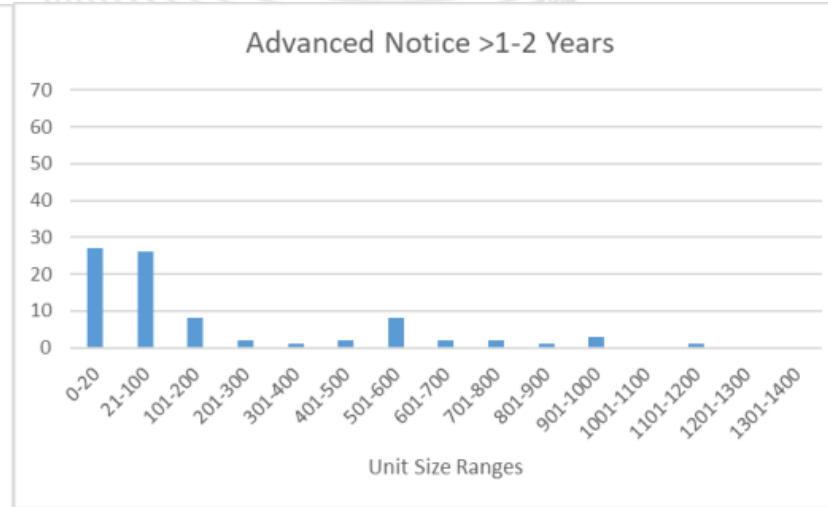
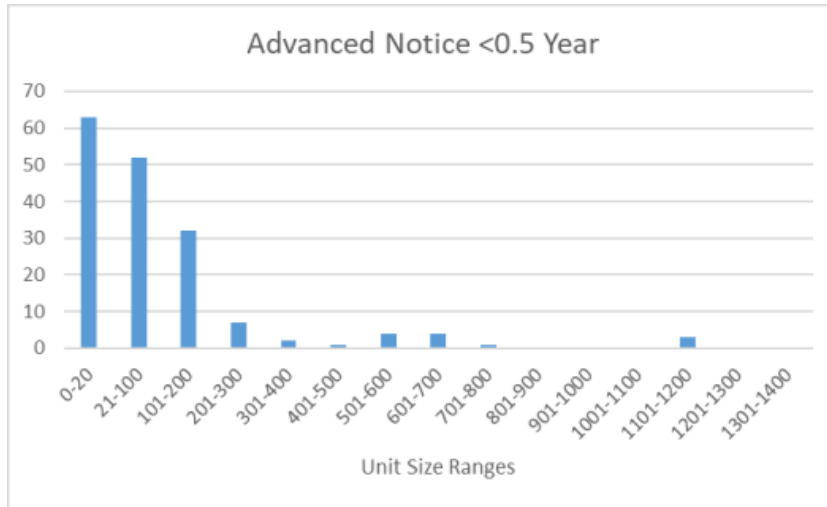
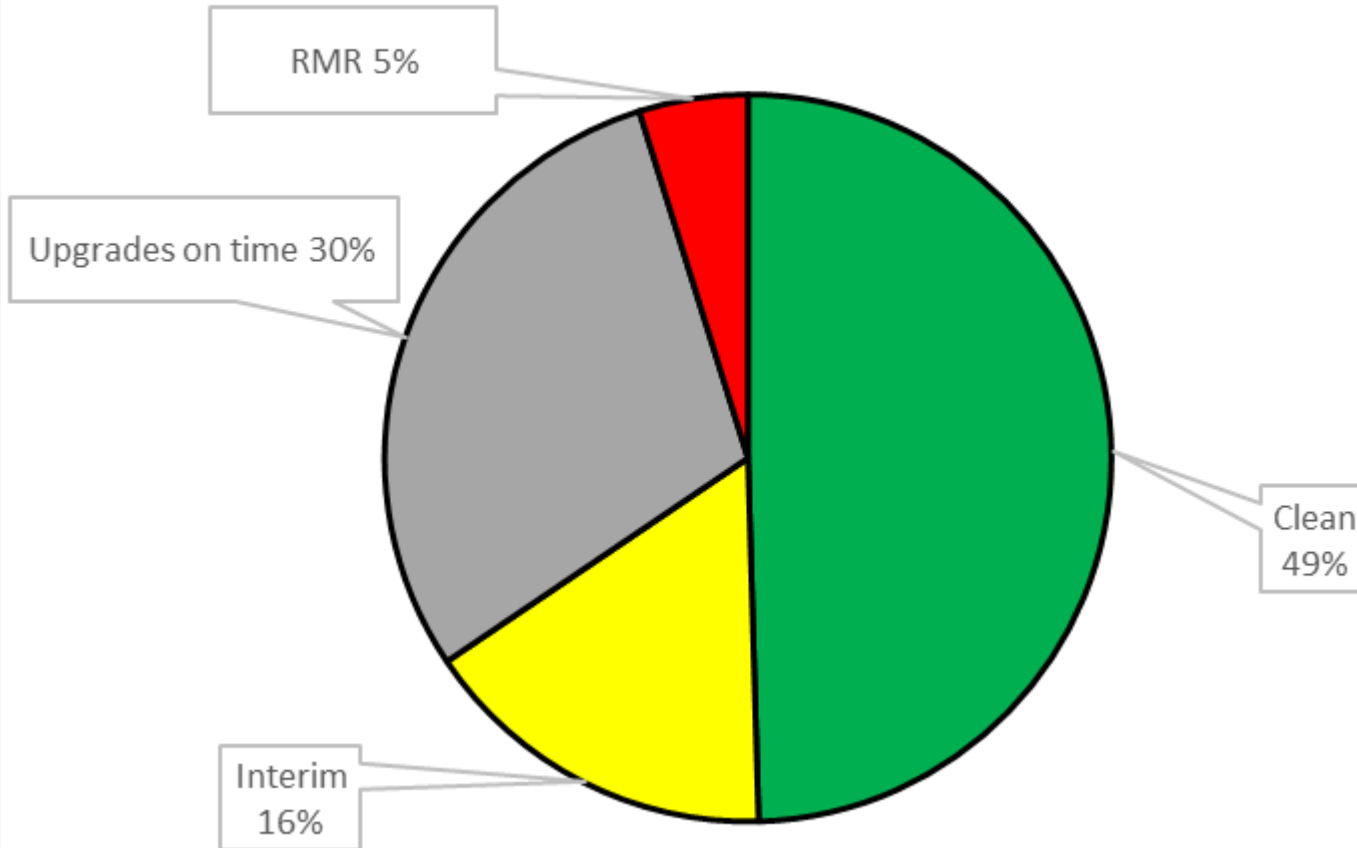


2023 DESTF Additional Education Historical Statistics related to Deactivation

Perry Ng
Sr. Engineer, Scenario Analysis & Special
Studies
Deactivation Enhancement Senior Task Force
November 9th, 2023



PJM Deactivation History

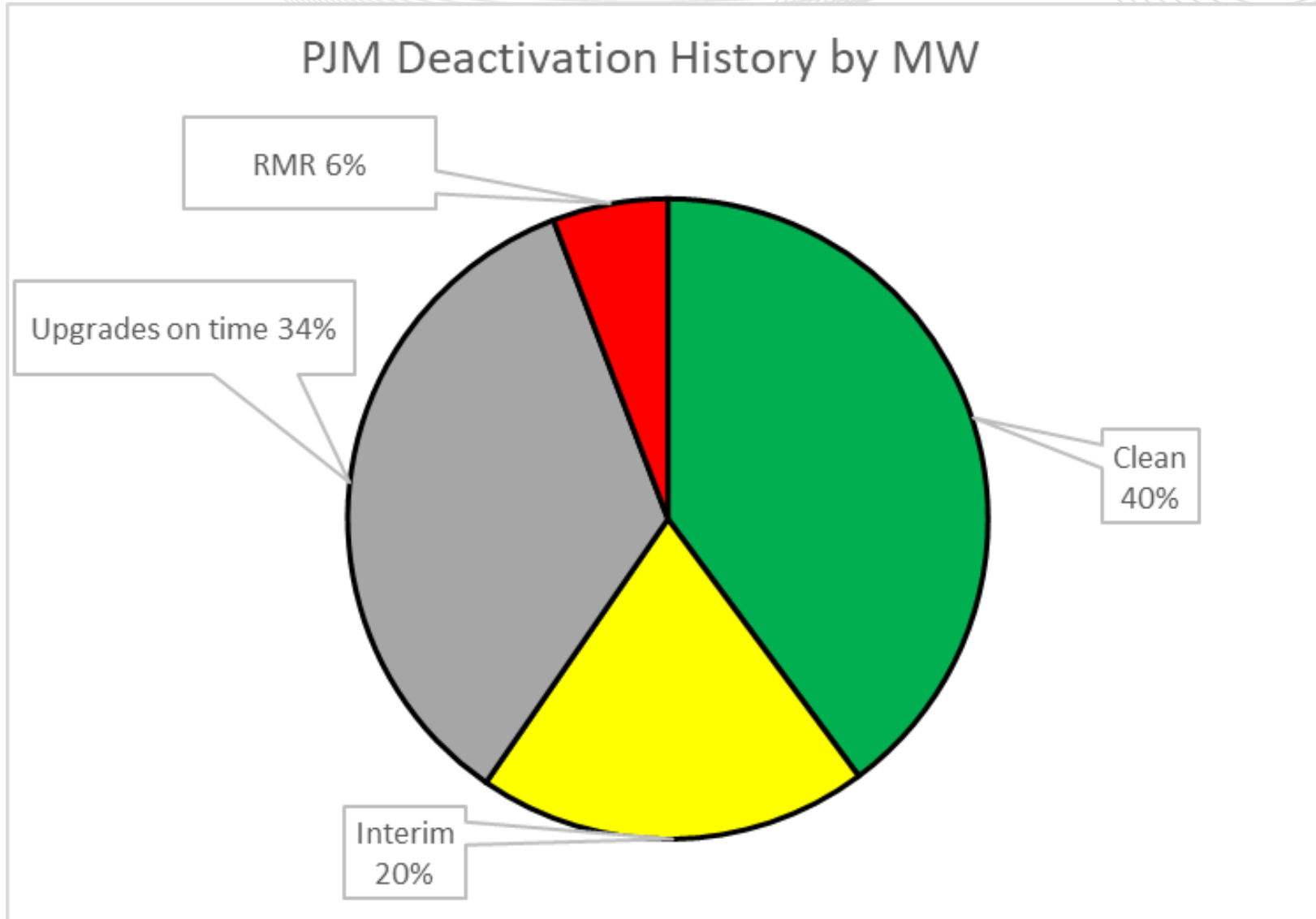


Approximately half of all unit deactivations identified a reliability concern.

16% of unit deactivation requests resulted with reliability concerns addressed by *interim* operational actions to avoid RMR.

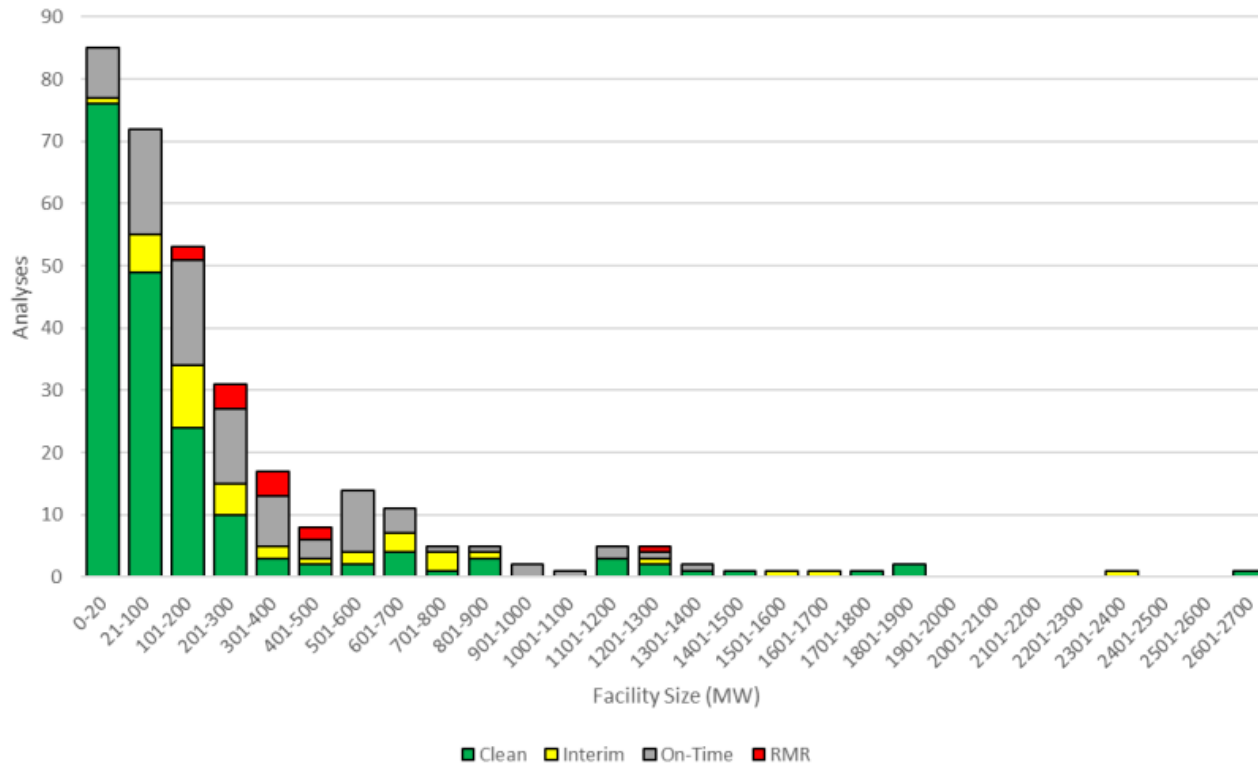
30% of unit deactivation requests provided enough advanced notification for mitigation upgrades to be completed prior to the deactivation date.

5% of unit deactivations required RMR.

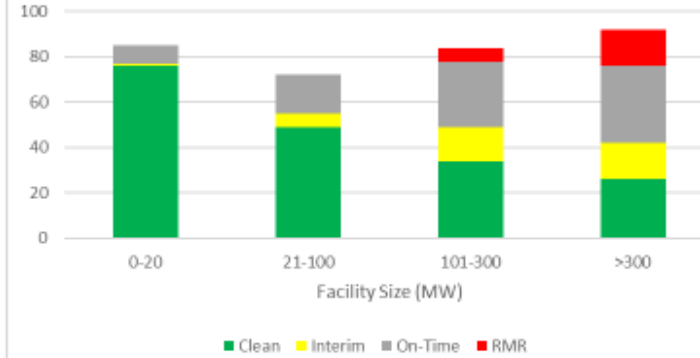


Deactivation Outcome by Facility Size (MW)

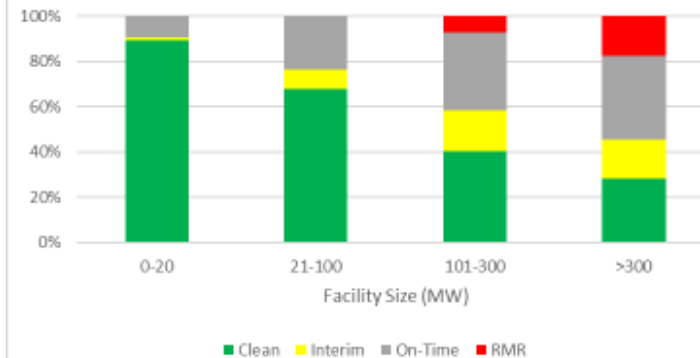
Results by Deactivating Facility Size



Results by Deactivating Facility Size

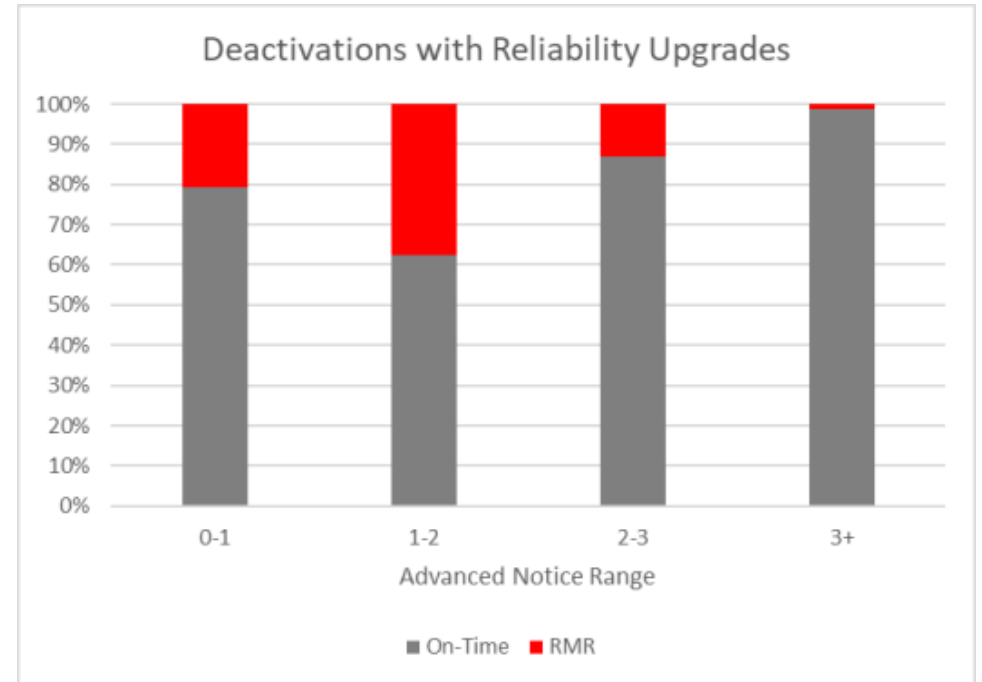
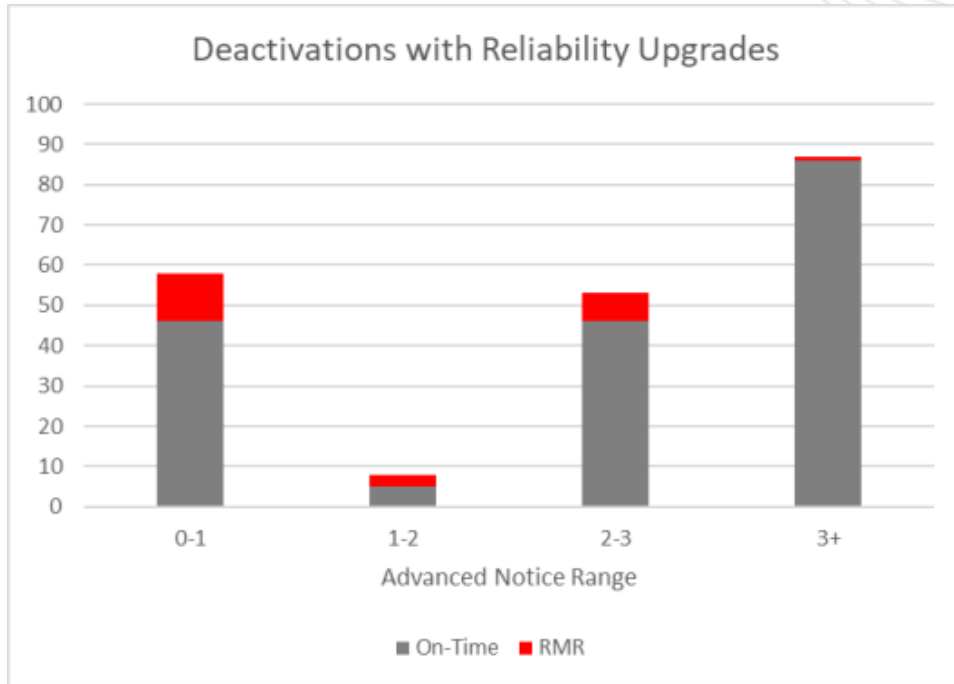


Results by Deactivating Facility Size

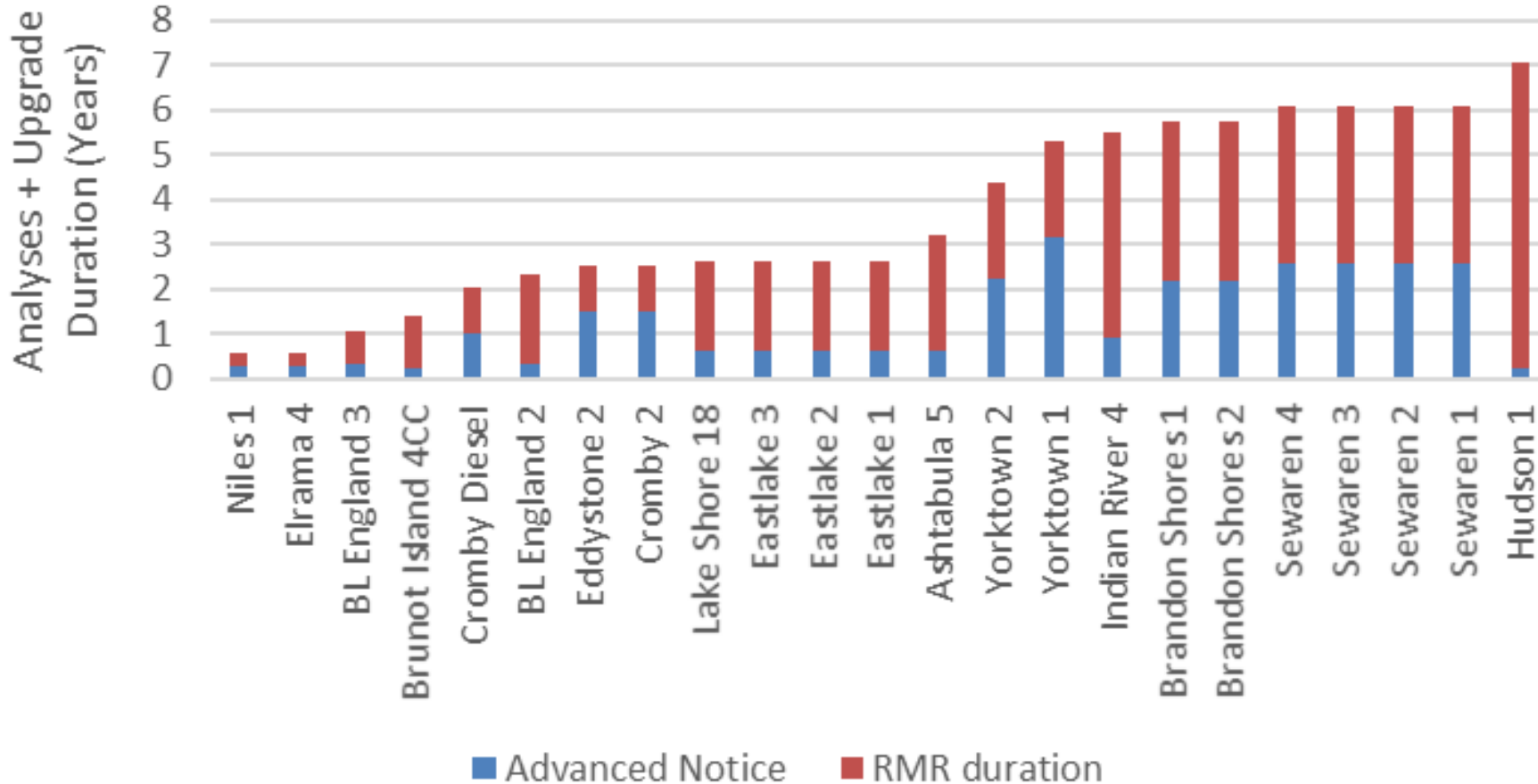


Note:
Historically, 8% of generation unit deactivations between 100-300 MW have resulted in RMR and 18% for facilities > 300 MW. Only 25% of large generator analyses are clean.

Breakdown of Deactivations with Reliability Upgrades Identified



RMR Duration Plus Advanced Notification



Note:
If historically, all generating units provided 3 years advanced notice, 11 of 23 units (6 facilities) would still have required RMR.

If 5 years advanced notice were received, 9 of 23 (5 facilities) would still have required RMR.

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Historical Statistics related to Deactivation



Member Hotline

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