2023 DESTF Additional Education

Historical Statistics related to Deactivation

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Advanced Notification by Unit Size

- Advanced Notice <0.5 Year
- Advanced Notice >1-2 Years
- Advanced Notice >3-4 Years
- Advanced Notice >0.5-1 Year
- Advanced Notice >2-3 Years
- Advanced Notice 4+ Years
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.
PJM Deactivation Outcome MW History

PJM Deactivation History by MW

- RMR: 6%
- Upgrades on time: 34%
- Clean: 40%
- Interim: 20%
Deactivation Outcome by Facility Size (MW)

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

Deactivations with Reliability Upgrades

Deactivations with Reliability Upgrades

0-1 1-2 2-3 3+
Advanced Notice Range

0-1 1-2 2-3 3+
Advanced Notice Range

On-Time  RMR

On-Time  RMR
PJM Deactivations: RMR Durations Plus Advanced Notice

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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Member Hotline
(610) 666 – 8980
(866) 400 – 8980
custsvc@pjm.com
PROTECT THE POWER GRID
THINK BEFORE YOU CLICK!

Be alert to malicious phishing emails.

Report suspicious email activity to PJM.
(610) 666-2244 / it_ops_ctr_shift@pjm.com