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| NPRR Number | [1108](http://www.ercot.com/mktrules/issues/NPRR1108) | NPRR Title | ERCOT Shall Approve or Deny All Resource Outage Requests |
| Impact Analysis Date | | November 9, 2021 | |
| Estimated Cost/Budgetary Impact | | Between $300k and $400k  Phase 1:  Between $150k and $200k  See Comments  Phase 2:  Between $150k and $200k  Annual Recurring Operations and Maintenance (O&M) Budget Cost: Between $320k and $380k  See ERCOT Staffing Impacts | |
| Estimated Time Requirements | | The timeline for implementing this Nodal Protocol Revision Request (NPRR) is dependent upon Public Utility Commission of Texas (PUCT) prioritization and approval.  Phase 1:  3 to 5 months  See Comments  Phase 2:  5 to 7 months | |
| ERCOT Staffing Impacts (across all areas) | | Implementation Labor: 72% ERCOT; 28% Vendor  There will be ongoing operational impacts to the following ERCOT department totaling 2.0 Full-Time Employees (FTEs) to support this NPRR:  • Outage Coordination (2.0 FTEs Effort)  ERCOT has assessed its ability to absorb the ongoing efforts of this NPRR with current staff and concluded the need for two additional FTEs in Outage Coordination:  \* 312 hours per year - Receives and processes Resource outage requests and determines whether the requests contain all the required information for the relevant time frame and are in accordance with procedures and protocols in the new 15 to 45 day timeline and 45 day to 5 year timeline  \* 1508 hours per year - Approves or rejects Resource outage requests in the new 15 to 45 day timeline and 45 day to 5 year timeline based on analyses results.  \* 26 hours per year - Provides support to new resource outage submittal contacts which have received digital certificate(s) for entering outages into the Outage Scheduler application in the new 15 to 45 day timeline and 45 day to 5 year timeline  \* 26 hours per year - Contributes changes to the existing twelve-month resource outage plans to determine how changes may affect ERCOT system reliability. Such changes may include resource outages not previously included in the plan in the new 15 to 45 day timeline and 45 day to 5 year timeline  \* 52 hours per year - Update the parameters for the Max Daily Outages seasonally  \* 650 hours per year - Evaluate outage history versus the Max Daily Outages in order to set the appropriate parameters as to not result in an excess of AANs.  \* 650 hours per year - Monitor the AAN tool for the next 7 days  \* 520 hours per year - Manage the AAN process when the Net Available Capacity – the load forecast shows to be deficit due to the number of Planned outages. (assuming 4 per year)  \* 52 hours per year - Generate AAN reports due to an AAN being issued  \* 130 hours per year - Provide backup for other personal as needed | |
| ERCOT Computer System Impacts | | The following ERCOT systems would be impacted:   * Data Management & Analytic Systems 64% * Outage Management Systems 25% * Content Delivery Systems 6% * Grid Decision Support Systems 4% * ERCOT Website and MIS Systems 1% | |
| ERCOT Business Function Impacts | | ERCOT will update its business processes to implement this NPRR. | |
| Grid Operations & Practices Impacts | | No impacts to ERCOT grid operations and practices. | |

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| Evaluation of Interim Solutions or Alternatives for a More Efficient Implementation |
| None offered. |

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| Comments |
| Phase 1 will update the Outage Scheduler system to not automatically accept Outages more than 45 days before the proposed start date of the Outage and will provide a manual assessment of the quantity of those Outages on a periodic basis. There may be a requirement for some additional staff augmentation until Phase 2 is fully implemented. |