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| NPRR Number | [1198](https://www.ercot.com/mktrules/issues/NPRR1198) | NPRR Title | Congestion Mitigation Using Topology Reconfigurations |
| Impact Analysis Date | | April 30, 2024 | |
| Estimated Cost/Budgetary Impact | | Between $50k and $80k  Annual Recurring Operations and Maintenance (O&M) Budget Cost: Between $180k and $220k  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.  Estimated project duration: 4 to 7 months | |
| ERCOT Staffing Impacts (across all areas) | | Implementation Labor: 100% ERCOT; 0% Vendor  There will be ongoing operational impacts to the following ERCOT department totaling 1.0 Full-Time Employees (FTE) to support this NPRR:  • Grid Analysis (1.0 FTE effort)  ERCOT has assessed its ability to absorb the ongoing efforts of this NPRR with current staff and concluded the need for one additional FTE in Grid Analysis:  \*1440 hours to perform the multi-timepoint economic analysis on four EAPs using reasonable scenarios, facilitate and incorporate market comments, and coordinate EAPs activation or de-activation with internal and external parties from system changes to field switching. 440 hours to cover annual economic analysis methodology review, economic analysis tools maintenance, compliance support, and training. | |
| ERCOT Computer System Impacts | | The following ERCOT systems would be impacted:   * Energy Management Systems 85% * ERCOT Website and MIS Systems 11% * Channel Management Systems 4% | |
| 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 |
| None. |