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| NOGRR Number | [215](https://www.ercot.com/mktrules/issues/NOGRR215) | NOGRR Title | Limit Use of Remedial Action Schemes |
| Impact Analysis Date | July 10, 2023 |
| Estimated Cost/Budgetary Impact | Between $1.0M and $1.5MAnnual Recurring Operations and Maintenance (O&M) Budget Cost: Between $180k and $220kSee Comments and ERCOT Staffing Impacts |
| Estimated Time Requirements | The timeline for implementing this Nodal Operating Guide Revision Request (NOGRR) is dependent upon Public Utility Commission of Texas (PUCT) prioritization and approval. Estimated project duration: 12 to 18 months |
| ERCOT Staffing Impacts (across all areas) | Implementation Labor: 35% ERCOT; 65% VendorThere will be ongoing operational impacts to the following ERCOT department totaling 0.5 Full-Time Employees (FTEs) to support this NOGRR:• Operations Stability Analysis (0.5 FTE Effort) ERCOT has assessed its ability to absorb the ongoing efforts of this NOGRR with current staff and concluded the need for one additional FTE in the Operations Stability Analysis Department: \* 1000 hours - To support stability assessments related to Remedial Action Scheme (RAS) review. Assuming no more than 3 RAS stability study annually. |
| ERCOT Computer System Impacts | The following ERCOT systems would be impacted:* Market Operation Systems 67%
* Energy Management Systems 29%
* Data Management & Analytic Systems 3%
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| ERCOT Business Function Impacts | ERCOT will update its business processes to implement this NOGRR. |
| 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 |
| If approved, this Impact Analysis is based on the assumption that RASs are limited for the relief of dispatchable generation as proposed by the 3/1/23 LCRA comments. |