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| NOGRR Number | [245](https://www.ercot.com/mktrules/issues/NOGRR245) | NOGRR Title | Inverter-Based Resource (IBR) Ride-Through Requirements |
| Impact Analysis Date | | December 2, 2023 | |
| Estimated Cost/Budgetary Impact | | Less than $10k, which will be absorbed by the Operations & Maintenance (O&M) budgets of affected department.  Annual Recurring Operations and Maintenance (O&M) Budget Cost: Between $720k and $880k  See ERCOT Staffing Impacts | |
| Estimated Time Requirements | | No project required. This Nodal Operating Guide Revision Request (NOGRR) can take effect following Public Utility Commission of Texas (PUCT) approval. | |
| ERCOT Staffing Impacts (across all areas) | | Implementation Labor: 100% ERCOT; 0% Vendor  There will be ongoing operational impacts to the following ERCOT departments totaling 4.2 Full-Time Employees (FTEs) to support this NOGRR:  • Dynamic Studies (2.1 FTEs Effort)  • Resource Integration (1.0 FTE Effort)  • Event Analysis (1.1 FTE Effort)  ERCOT has assessed its ability to absorb the ongoing efforts of this NOGRR with current staff and concluded the need for two additional FTEs in the Planning department, one additional FTE in the Resource Integration department and one additional FTE in the Event Analysis department. (See 12/2/23 ERCOT comments.)  • Dynamic Studies - department requires two additional FTEs to support the majority of the work:  \* 4,000 hours for review, tracking, coordination & communication.  • Resource Integration - department requires one additional FTE to support the INR process efforts:  \* 1,800 hours per INR to check and collect data = 3 hours per INR for 600 INRs per year.  • Event Analysis - department requires one additional FTE to support an additional 3 minor and 1 major event each year beyond current levels:  \* 2000 hours to support additional events = 300 hours per minor event (3) ~ 900 hours and 600 hours per major event (1) ~ 600 hours and 500 hours to support NERC/FERC/TRE and ERCOT Reliability Monitor event investigations, manual contingency creation, and rule change needs. | |
| ERCOT Computer System Impacts | | The following ERCOT systems would be impacted:   * Service Management Systems | |
| ERCOT Business Function Impacts | | ERCOT will update its business processes to implement this NOGRR. | |
| Grid Operations & Practices Impacts | | ERCOT will update grid operations and practices to implement this NOGRR. | |

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

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| Comments |
| None. |