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| NPRR Number | [1016](http://www.ercot.com/mktrules/issues/NPRR1016) | NPRR Title | Clarify Requirements for Distribution Generation Resources (DGRs) and Distribution Energy Storage Resources (DESRs) |
| Impact Analysis Date | | March 25, 2020 | |
| Estimated Cost/Budgetary Impact | | Between $400k and $550k | |
| Estimated Time Requirements | | The timeline for implementing this Nodal Protocol Revision Request (NPRR) is dependent upon ERCOT Board prioritization and approval. Please see the Project Priority List ([PPL](http://www.ercot.com/services/projects)) for additional information.  Estimated project duration: 12 to 18 months | |
| ERCOT Staffing Impacts (across all areas) | | Implementation Labor: 84% ERCOT; 16% Vendor  Ongoing Requirements: No impacts to ERCOT staffing. | |
| ERCOT Computer System Impacts | | The following ERCOT systems would be impacted:   * Outage Scheduler (OS) 41% * Energy Management System (EMS) 18% * BI & Data Analytics 13% * Data and Information Products (DAIP) 11% * Market Management Systems (MMS) 9% * CRM & Registration System (REG) 4% * Network Model Management System (NMMS) 3% * Integration 1% | |
| ERCOT Business Function Impacts | | ERCOT will update its business processes to implement this NPRR. | |
| Grid Operations & Practices Impacts | | ERCOT will update grid operations and practices to implement this NPRR. | |

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

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| Comments |
| None. |