|  |  |  |  |
| --- | --- | --- | --- |
| 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% VendorOngoing 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. |

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

|  |
| --- |
| Comments |
| None. |