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| NPRR Number | [1014](http://www.ercot.com/mktrules/issues/NPRR1014) | NPRR Title | BESTF-4 Single Model Energy Storage Resource |
| Impact Analysis Date | | March 25, 2020 | |
| Estimated Cost/Budgetary Impact | | Between $3.5M and $4.5M | |
| 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: 2 to 3 years | |
| ERCOT Staffing Impacts (across all areas) | | Implementation Labor: 51% ERCOT; 49% Vendor  Ongoing Requirements: No impacts to ERCOT staffing. | |
| ERCOT Computer System Impacts | | The following ERCOT systems would be impacted:   * Energy Management System (EMS) 60% * Market Management Systems (MMS) 16% * Data and Information Products (DAIP) 7% * Market Settlements (S&B) 6% * Outage Scheduler (OS) 4% * Integration 2% * Other Impacted Systems 5% * BI & Data Analytics * Network Model Management System (NMMS) * Resource Integration * Data Access & Transparency * External Public * CRM & Registration System (REG) | |
| 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. |