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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% VendorOngoing 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)
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| 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. |