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| NPRR Number | [987](http://www.ercot.com/mktrules/issues/NPRR987) | NPRR Title | BESTF-3 Energy Storage Resource Contribution to Physical Responsive Capability and Real-Time On-Line Reserve Capacity Calculations |
| Impact Analysis Date | | December 9, 2019 | |
| Estimated Cost/Budgetary Impact | | Between $150k and $200k | |
| 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: 6 to 9 months | |
| ERCOT Staffing Impacts (across all areas) | | Implementation Labor: 91% ERCOT; 9% Vendor  Ongoing Requirements: No impacts to ERCOT staffing. | |
| ERCOT Computer System Impacts | | The following ERCOT systems would be impacted:   * Market Management Systems (MMS) 34% * Market Settlements (S&B) 21% * Energy Management System (EMS) 15% * Integration 16% * BI & Data Analytics 7% * Data and Information Products (DAIP) 7% | |
| ERCOT Business Function Impacts | | No impacts to ERCOT business functions. | |
| Grid Operations & Practices Impacts | | No impacts to ERCOT grid operations and practices. | |

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

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| Comments |
| None. |