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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% VendorOngoing 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%
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| 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. |