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| NPRR Number | [1020](http://www.ercot.com/mktrules/issues/NPRR1020) | NPRR Title | Allow Some Integrated Energy Storage Designs to Calculate Internal Loads |
| Impact Analysis Date | July 28, 2020 |
| Estimated Cost/Budgetary Impact | Between $175k and $225k |
| 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: 8 to 12 monthsSee comments below. |
| ERCOT Staffing Impacts (across all areas) | Implementation Labor: 100% ERCOT; 0% VendorOngoing Requirements: No impacts to ERCOT staffing. |
| ERCOT Computer System Impacts | The following ERCOT systems would be impacted:* EPS Meter Data Management (EPS) 86%
* Market Settlements (S&B) 14%
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| ERCOT Business Function Impacts | ERCOT will update its business processes to implement this NPRR. |
| 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 |
| Implementation of NPRR1020 is contingent on approval of revisions to the Settlement Metering Operating Guide (SMOG).   |