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| NPRR Number | [1105](http://www.ercot.com/mktrules/issues/NPRR1105) | NPRR Title | Option to Deploy Distribution Voltage Reduction Measures Prior to Energy Emergency Alert (EEA) |
| Impact Analysis Date | November 22, 2021 |
| Estimated Cost/Budgetary Impact | Between $80k and $120k |
| Estimated Time Requirements | Phase 1: No project required. This Nodal Protocol Revision Request (NPRR) can take effect upon Public Utility Commission of Texas (PUCT) prioritization and approval. Phase 2:The timeline for implementing this Nodal Protocol Revision Request (NPRR) is dependent upon Public Utility Commission of Texas (PUCT) prioritization and approval. Estimated project duration: 6 to 9 monthsSee Comments |
| ERCOT Staffing Impacts (across all areas) | Implementation Labor: 73% ERCOT; 27% VendorOngoing Requirements: No impacts to ERCOT staffing. |
| ERCOT Computer System Impacts | The following ERCOT systems would be impacted:* Market Operation Systems 55%
* Data Management & Analytic Systems 32%
* Energy Management Systems 14%
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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 its 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 |
| Phase 1 will implement changes to the following Nodal Protocol sections:* 6.5.9.4.1, General Procedures Prior to EEA Operations
* 6.5.9.4.2, EEA Levels

Phase 2 will implement changes to the following Nodal Protocol section:* 6.5.7.3.1, Determination of Real-Time On-Line Reliability Deployment Price Adder
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