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| SCR Number | [831](https://www.ercot.com/mktrules/issues/SCR831) | SCR Title | Short Circuit Model Integration |
| Impact Analysis Date | January 15, 2025 |
| Estimated Cost/Budgetary Impact | Between $100k and $200kSee Comments. |
| Estimated Time Requirements | The timeline for implementing this System Change Request (SCR) is dependent upon prioritization and Public Utility Commission of Texas (PUCT) approval. Estimated project duration: 7 to 10 months |
| ERCOT Staffing Impacts (across all areas) | Implementation Labor: 46% ERCOT; 54% VendorThere will be an approximate 0.3 Full-Time Employee (FTE) savings in the following ERCOT department:* Network Modeling
 |
| ERCOT Computer System Impacts | The following ERCOT systems would be impacted:* Network Model Management System 100%
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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 |
| ERCOT estimates that if SCR831 and SCR818, Changes to Incorporate GIC Modeling Data into Existing Modeling Applications, are implemented concurrently, a cost savings could be realized from project efficiencies. |