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| NPRR Number | [1098](http://www.ercot.com/mktrules/issues/NPRR1098) | NPRR Title | Direct Current Tie (DC Tie) Reactive Power Capability Requirements |
| Impact Analysis Date | | September 29, 2021 | |
| Estimated Cost/Budgetary Impact | | Between $10k and $20k (No budgetary impact - see note below.) | |
| Estimated Time Requirements | | The timeline for implementing this Nodal Protocol Revision Request (NPRR) is dependent upon Public Utility Commission of Texas (PUCT) prioritization and approval, as well as satisfaction of the following conditions: (1) Southern Cross Transmission LLC (Southern Cross) provides ERCOT with funds to cover the entire estimated cost of the project; and (2) Southern Cross has signed an interconnection agreement with a Transmission Service Provider (TSP) and the TSP gives ERCOT written notice that Southern Cross has provided it with: (a) Notice to proceed with the construction of the interconnection; and (b) The financial security required to fund the interconnection facilities.  Estimated project duration: 3 to 5 months | |
| ERCOT Staffing Impacts (across all areas) | | Implementation Labor: 100% ERCOT; 0% Vendor  Ongoing Requirements: No impacts to ERCOT staffing. | |
| ERCOT Computer System Impacts | | The following ERCOT systems would be impacted:   * Grid Decision Support Systems 100% | |
| ERCOT Business Function Impacts | | No impacts to ERCOT business functions. | |
| Grid Operations & Practices Impacts | | ERCOT will update 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 |
| Pursuant to the Public Utility Commission of Texas (PUCT) Project No. 46304 and the terms of a Memorandum of Understanding between ERCOT and Southern Cross, the entire cost of implementing this NPRR is to be borne by Southern Cross. Accordingly, although the cost of implementing the project is estimated to be between $10k and $20k, the project is not expected to have a budgetary impact on ERCOT. |