**STF-DEA-2-22**

Question:

Please refer to p. 195 of the “2024 GA ITS Ten-Year Plan,” within the “2025 IRP Volume 3 TRADE SECRET,” regarding the South Bainbridge - Sinai (FPL) 115kV Line Rebuild and respond to the following questions:

a. What reliability concerns have been identified for the South Bainbridge - Sinai (FPL) 115kV line?

b. What contingency planning has been done to prevent overload conditions during outages?

Response:

1. The Sinai (FPL) - South Bainbridge 115kV Line rebuild addresses thermal constraints as defined in the Steady State Transmission Planning Criteria of the NERC Reliability Standard (TPL-001-5) under P1-Single Contingency event. Refer to Section III.A, Table 6 of the 2024 GA ITS Ten-Year Plan and Section B2, R3 of the ITS Planning Procedure #9, in Technical Appendix Volume 3 of the 2025 IRP.
2. Refer to Section A.6 of Technical Appendix Volume 3 of the 2025 for planning process description. The Company performs N-1 contingency analysis and prepares contingency plans for all Transmission projects that require Bulk Electric System outages under NERC standards. Company’s contingency plans ensure operators can proactively address potential issues and maintain stable operations even during unexpected outages, ultimately improving system reliability and preventing cascading failures by identifying vulnerabilities in the Bulk Electric System before they cause disruptions. Outages are coordinated to reduce system exposure by selecting outage windows to minimize system risk and developing construction schedules to reduce outage duration.