**STF-DEA-2-24**

Question:

Please refer to p. 196 of the “2024 GA ITS Ten-Year Plan,” within the “2025 IRP Volume 3 TRADE SECRET,” regarding the Bay Creek - Conyers 230kV Rebuild and respond to the following questions:

a. What projected load growth factors were considered in justifying the rebuild of the Bay Creek - Conyers 230kV line?

b. How will the new 200C 1351 ACSS Martin conductor enhance transmission efficiency?

c. Please provide the load details in MW which is presently catered and how much load in MW will be catered after the rebuild?

Response:

1. The Bay Creek – Conyers 230kV 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. For the load forecast used for developing the 2024 base cases refer to Section III.A, Table 5 of the 2024 GA ITS Ten-Year Plan, in Technical Appendix Volume 3 of the 2025 IRP.
2. The Bay Creek-Conyers 230kV line is scoped to be built with 200C 1351 ACSS conductor and is rated with **REDACTED**, which will increase the capacity from the existing **REDACTED**.
3. Refer to the Company’s response to subpart (b).