**STF-DEA-2-18**

Question:

Please refer to p. 176 of the “2024 GA ITS Ten-Year Plan,” within the “2025 IRP Volume 3 TRADE SECRET,” regarding the Conyers - Klondike 230kV Second Line and respond to the following questions:

1. What environmental mitigation strategies are planned for the Conyers - Klondike 230kV Second Line, particularly for wetland areas and protected habitats along the route?
2. What engineering studies were performed to evaluate the reliability benefits of this second line?
3. What are the long-term cost implications for transmission customers in this service area?
4. Please confirm the load details (MW) that will be catered after the second line is commissioned.
5. How much load is presently being catered in MW?

Response:

1. Any environmental mitigation strategies needed for the Conyers-Klondike 230kV Second Line will be determined once the line has been sited and environmental conditions are known and incorporated into design. Throughout the siting, engineering, and design process, the Company works to avoid and minimize impacts to natural resources to the extent feasible and practical. Some general examples of avoidance and minimization include spanning identified waters and habitats as well as modification of structure design to result in a smaller footprint within the sensitive area. If impacts to resources are required, the Company will engage with federal and state agencies and obtain the appropriate permitting and mitigation to minimize impacts and allow for the project to be constructed. This may include the purchase of wetlands credits through a USACE-approved mitigation bank.
2. The Conyers - Klondike 230kV Second Line project addresses thermal constraints as defined in the Steady State Transmission Planning Criteria of the NERC Reliability Standard (TPL-001-5) under P6-Multiple 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 GPC IRP filing, Docket No 56002.
3. Consistent with all other projects included in the Ten-Year Plan, the Company made transmission project decisions based on processes outlined in Technical Appendix Volume 3, Section A in the 2025 IRP. Refer to the Company’s response to STF-DEA-2-18(b). This project addresses thermal constraints and provides system benefits therefore, the forecasted cost included in the Company’s filing do not have a long-term cost implication specific to any one customer in the service area of the Conyers - Klondike 230kV Second Line. Although all projects have some long-term cost implications, these costs are appropriately allocated across the customer base. The project is crucial for maintaining system reliability and addressing thermal constraints, ultimately benefiting all customers by ensuring a stable and reliable power supply.
4. The Conyers - Klondike 230kV Second Line is scoped to be built with 200C 1351 ACSS bundle conductor, and the new rating will be **REDACTED.**
5. Please refer to the Company’s response to STF-DEA-2-18(b).