**STF-DEA-2-15**

Question:

Please refer to p. 175 of the “2024 GA ITS Ten-Year Plan,” within the “2025 IRP Volume 3 TRADE SECRET,” regarding the Buzzard Roost - Factory Shoals 230kV New Line and respond to the following questions:

1. What alternatives were considered before approving the new 230kV transmission line between Buzzard Roost and Factory Shoals, and
2. How does this project fit into the Company’s long-term grid expansion plans?
3. What is the expected reduction in transmission losses after this line is operational?
4. How will the new line interact with adjacent transmission corridors, and what provisions exist for future upgrades?
5. Are there cross-state regulatory hurdles for this expansion, given its proximity to other major transmission corridors?

Response:

1. Buzzard Roost - Bullard Road 230kV New Line was considered as an alternative project.
2. The Buzzard Roost – Factory Shoals 230kV New 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.
3. Transmission losses were not evaluated in the development of this project.
4. Refer to the Company’s response to subpart (b). Existing corridors will be evaluated during the design, engineering, and siting processes.
5. Please refer to Section A.6 of Technical Appendix Volume 3. It does not appear the Company will have any cross-state regulatory factors; however, final project siting and routes have not been determined yet. The approval requirements will be thoroughly assessed during the siting process. Existing corridors are one of the five tenants the location committee is required to consider.