**STF-DEA-2-31**

Question:

Please refer to p. 182 of the “2024 GA ITS Ten-Year Plan,” within the “2025 IRP Volume 3 TRADE SECRET,” regarding the Dresden - Talbot County 500kV Line (New Line) and respond to the following questions:

1. What are the key NERC compliance and reliability benefits associated with the Dresden - Talbot County 500kV line?
2. How will this project reduce transmission congestion and improve system resilience under N-1 contingency scenarios?
3. What is the estimated cost recovery plan, and how will these costs be allocated across ratepayers and utilities?
4. How does this 500kV upgrade support long-term renewable integration in Georgia?
5. Please share the details of Renewable projects that will benefit from this proposed 500kV line.

Response:

1. Refer to Section VI.C (p 163-168) of the of the 2022 GA ITS Ten-Year Plan in Docket No. 44160 for details on this project. Additionally, this project was included in the following Ten-Year Plans:

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| --- | --- |
| **Ten Year Plan Document** | **Project Need Date** |
| 2022 GA ITS TYP (Docket 44160) | 2029 |
| 2023 GA ITS TYP (Docket 44160) | 2029 |
| 2024 GA ITS TYP (2025 GPC IRP) (Docket 56002) | 2029 |

1. Refer to the Company’s response to subpart (a).
2. The GTC: Dresden-Talbot 500kV line is a Georgia Transmission Corporation (“GTC”) sponsored project. Georgia Power customers will not be directly responsible for this project.
3. This project provides an additional high-capacity corridor to move flows from the South part of the state, where the concentration of solar generation is located, to the Northwest.
4. Refer to the Company’s responses to subparts (a) and (d).