**STF-DEA-2-16**

Question:

Please refer to p. 174 of the “2024 GA ITS Ten-Year Plan,” within the “2025 IRP Volume 3 TRADE SECRET,” regarding the Butler - Thomaston 230kV Line Conversion and respond to the following questions:

1. How will the conversion of the Butler - Thomaston 115kV line to 230kV enhance the integration of renewable energy resources?
2. What are the projected capacity benefits of this project post- conversion?
3. What specific grid reliability issues does this upgrade address under peak load conditions?
4. How does this project align with Georgia's renewable energy transition goals?
5. Will there be a staged implementation, or will the conversion require a full shutdown and re-energization of the line?

Response:

1. Please refer to response STF-DEA-2-2 TRADE SECRET (b).
2. Please refer to response STF-DEA-2-2 TRADE SECRET (b).
3. Butler –Thomaston 230kV Conversion Project increases available capacity, which allows the system to respond to peak load conditions more reliably in addition to creating an additional network path for power flow. Please refer to response STF-DEA-2-2 TRADE SECRET (b).
4. Please refer to response STF-DEA-2-2 TRADE SECRET (b).
5. The Butler - Thomaston 230kV Line Conversion will be implemented in stages.