

## PJM- SERTP Planning Process Overview

Order 1000 Biennial Regional Transmission Plan Review Meeting – Presentation 1 of 2

> September 23, 2022 Microsoft Teams



## PJM- SERTP Interregional

## Agenda

- SERTP Process Overview
  - Background
  - SERTP Region Scope
  - Processes and Timelines
  - Regional Model Exchange Process



## **SERTP**

## **PROCESS OVERVIEW**



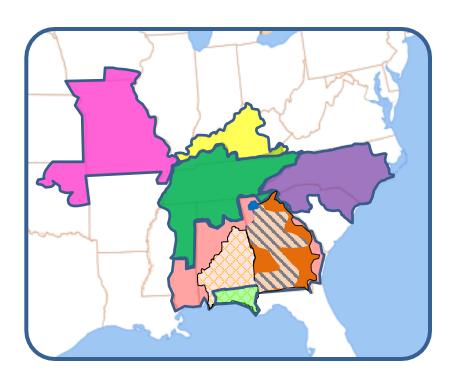
## **SERTP Background**

#### **Southeastern Regional Transmission Planning Process (SERTP)**

- Originally formed in 2007 to comply with FERC Order 890
- Provides open and transparent transmission planning forum for transmission providers to engage with stakeholders regarding transmission plans in the region
- Began regional implementation of Order 1000 requirements on June 1,
   2014
- Began interregional implementation of Order 1000 on January 1, 2015



Southeastern Regional Transmission Planning (SERTP)







Southeastern Regional Transmission Planning (SERTP)



#### **Balancing Authority Area:**

**AECI** 

**Duke Carolinas** 

**Duke Progress** 

LG&E/KU

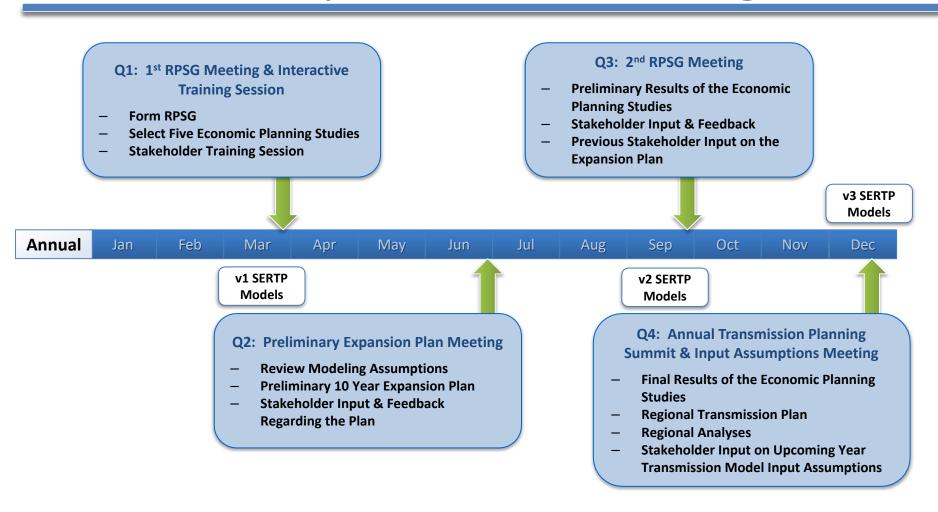
Southern

**TVA** 

# Southeastern Regional TRANSMISSION PLANNING

### **SERTP Processes & Timelines**

## SERTP Quarterly Stakeholder Meetings





## **SERTP Regional Models**

- SERTP will develop 6 coordinated regional models
- Models include latest transmission planning model information within the SERTP region
- Typically 3 versions created annually
- Available on the Secure Area of the SERTP website for those that have executed the Planning Coordinator – Transmission Planner NDA.

No.	Season	Year
1	Summer	2024
2		2027
3		2032
4	Shoulder	2027
5	Winter	2027
6		2032

 Limit of 2-3 with capabilities to retrieve the information from the SERTP Secure Area.



## **Economic Planning Studies**

- SERTP stakeholders can request up to five economic planning studies be performed annually
- These studies represent analyses of hypothetical scenarios requested by the stakeholders and do not represent an actual transmission need or commitment to build
- SERTP Sponsors identify the transmission requirements needed to move large amounts of power above and beyond existing long-term, firm transmission service commitments
  - Analysis is consistent with NERC standards and company-specific planning criteria

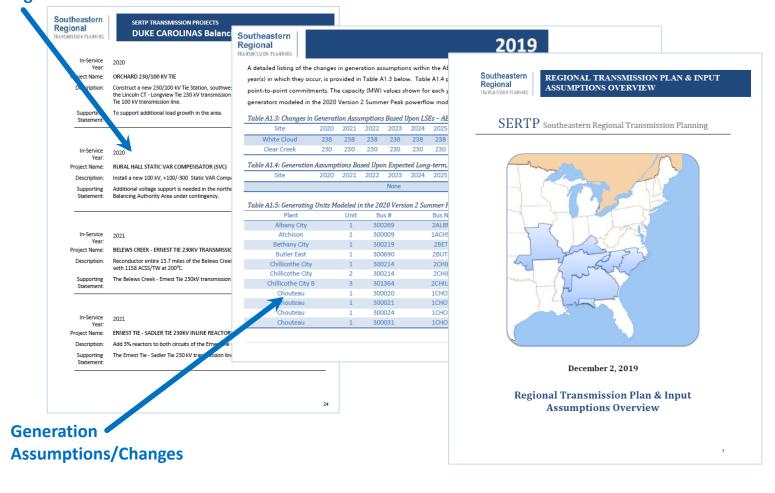


## Regional Transmission Analyses

- Regional Transmission Analyses are performed during the course of each transmission planning cycle in order to:
  - 1) Assess if the then current regional transmission plan addresses the Transmission Provider's transmission needs
  - 2) Assess whether there may be more efficient or cost effective transmission projects to address transmission needs

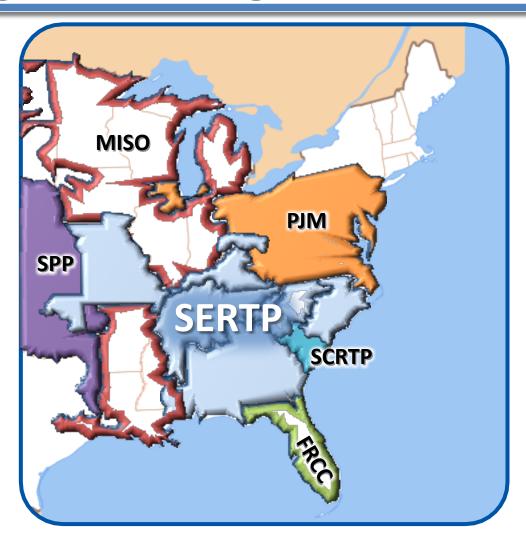
## Regional Transmission Plan

**Project Descriptions, Drivers, Contingencies** 



## **SERTP** Region

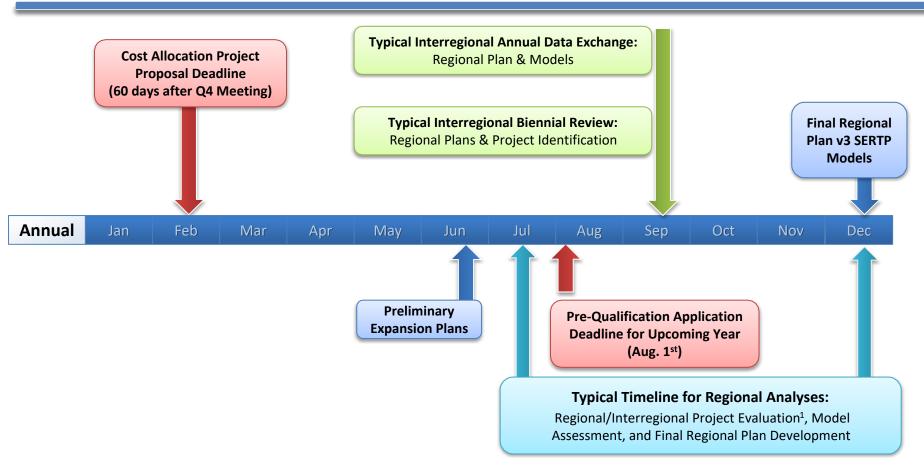
## **SERTP Region - Interregional Seams**



#### Southeastern Regional TRANSMISSION PLANNING

### **SERTP Processes & Timelines**

## Regional/Interregional Process Timing



If a potential transmission project proposed for cost allocation satisfies the initial evaluation, a schedule will be developed in consultation with the transmission developer to provide additional detailed information for further detailed analysis.



## Regional Cost Allocation

#### Scope of a Regional Project Eligible for Cost Allocation

- Transmission line located in the SERTP region
- 300 kV or greater
- Spans at least 50 miles
- Must have significant electrical or geographical differences from projects already under consideration

#### Benefits Considered

- Avoided costs of displaced transmission
- Real power loss savings (regional only)

#### Evaluations

- Qualitative & Quantitative 1.25 Benefit-to-Cost (BTC) Ratio
- Feasibility
- State jurisdictional and/or governance authorities opportunity for review



## Interregional Cost Allocation

#### **Interregional Project for Cost Allocation Must**:

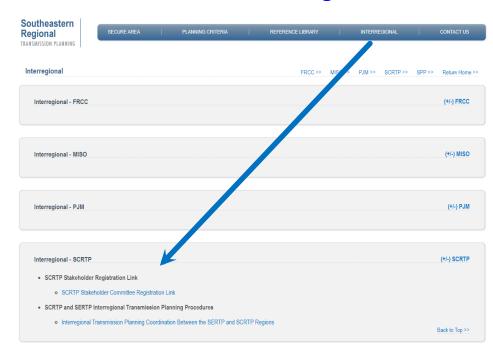
- Interconnect to facilities in both the SERTP and PJMregions
- Have a BTC of at least 1.25 in the SERTP Region
- Meet regional qualifications
- Be proposed in both regional processes



## Interregional Coordination

- Meet annually to facilitate coordination procedures
- Website postings
- Annually exchange power-flow models
- Annually exchange regional transmission plans
- Meet biennially to review regional transmission plans
- Coordinate on any joint evaluations of potential interregional transmission projects

#### **SERTP Website / Interregional**



# Southeastern Regional TRANSMISSION PLANNING

## SERTP Data Exchange

## **SERTP Secure Site Access**

#### **SERTP Website**

Southeastern Regional TRANSMISSION PLANNING

SECURE AREA

PLANNING CRITERIA

REFERENCE LIBRARY

INTERREGIONAL

CONTACT US

About Us

The Southeast in Regional Transmission Planning (SERTP) process provides an open and transparent transmission planning forum for transmission providers to engage with stakeholders regarding transmission plans in the region. The SERTP was originally developed to provide such an open and transparent regional transmission planning process and to otherwise comply with the Federal Energy Regulatory Copyrission's (FERC) Order 890 which was issued on February 16, 2007 to reform the decade-old Open Access Transmission Tariff (ATT) regulatory framework adopted in Order 888.

The SERTP has expanded several times, both in the scope and in the size of the region, since its initial voluntary formation and now includes the following Sponsors: Southern Company (SCS), Dalton Utilities, Georgia Transmission Corporation (GTC), the Municipal Electric Authority of Georgia (MEAG), PowerSouth, Louisville Gas & Electric Company and Kentucky Utilities Company (LG&E/KU), Associated Electric Cooperative Inc. (AECI), the Tennessee Valley Authority (TVA), and Duke Energy (Duke Energy Carolinas, LLC and Duke Energy Progress, LLC). As a result of this expanded size and scope, the SERTP region has become one of the largest regional transmission planning processes in the United States.

On July 11, 2011, FERC issued Order 1000, which adopted transmission planning and cost allocation requirements. The expanded SERTP, implementing the additional Order No. 1000 directives, is effective on June 1, 2014.

#### 2022 Calendar of Events

#### June 2022

2nd Quarter SERTP Meeting Thursday, June 30th 10:00 AM — 1:00 PM ET

#### March 2022

SERTP 1st Quarter Meeting Tuesday, March 22nd 10:00 AM — 1:00 PM ET

#### June 2022

SERTP 2nd Quarter Meeting

#### September 2022

SERTP 3rd Quarter Meeting

#### December 2022

SERTP 4th Quarter Meeting



## **SERTP Data Exchange**

## **SERTP Secure Site Access**

Secure Area CEII Certification >> Non-CEII Certification >> Return Home >>

#### **CEII Certification**

This process allows the requestor, once certified, to access the Secure Area of this web site and/or obtain certain CEII directly from the SERTP CEII Coordinator. Note that Base Cases and any underlying data are considered CEII and can only be obtained through this process. If the requestor desires access to both CEII and Confidential Non-CEII Information (or information that contains both types of information), certification from both processes is required. Steps to become certified for access to CEII information are listed below:

Complete and submit the SERTP CEII Request Form, which you may submit by fax to 205-257-6654, via electronic email to southeasternrtp@southernco.com, or by mail to:

Southeastern Regional Transmission Planning 600 North 18th Street/13N-8812 P.O. Box 2641 Birmingham, Alabama 35291-8812

Each individual employee or consultant who will have access to CEII distributed through the SERTP must successfully complete a background check, which is facilitated by Southern
Company Services. A requestor must first submit the SERTP CEII Request Form (refer to item 1 above). Once the request form is received, a representative will contact the requestor to
facilitate completion of the background check process and payment of applicable fees.

In association with the background check, each company will be responsible for a one-time CEII application fee of \$180.00. In addition, a background investigation fee of \$100.00 will be required for each individual employee or consultant requesting access to CEII distributed through the SERTP.

- Execute the SERTP CEII Confidentiality Agreement(s), one for each entity (including affiliates) that will access CEII distributed through the SERTP.
- Each individual employee or consultant of an entity that will access CEII distributed through the SERTP must execute Appendix A or Appendix B (as appropriate) of the SERTP CEII
  Confidentiality Agreement executed by his/her employer.
- 5. Once you are approved, you will receive a confirmation e-mail with a username and password through which you may access the secure area via the login button below.

LOGIN



# **QUESTIONS?**

**WWW.SOUTHEASTERNRTP.COM**