Transmission Planning Update

SCS Transmission Planning
Tuesday, June 16, 2026

Southern Company

Agenda

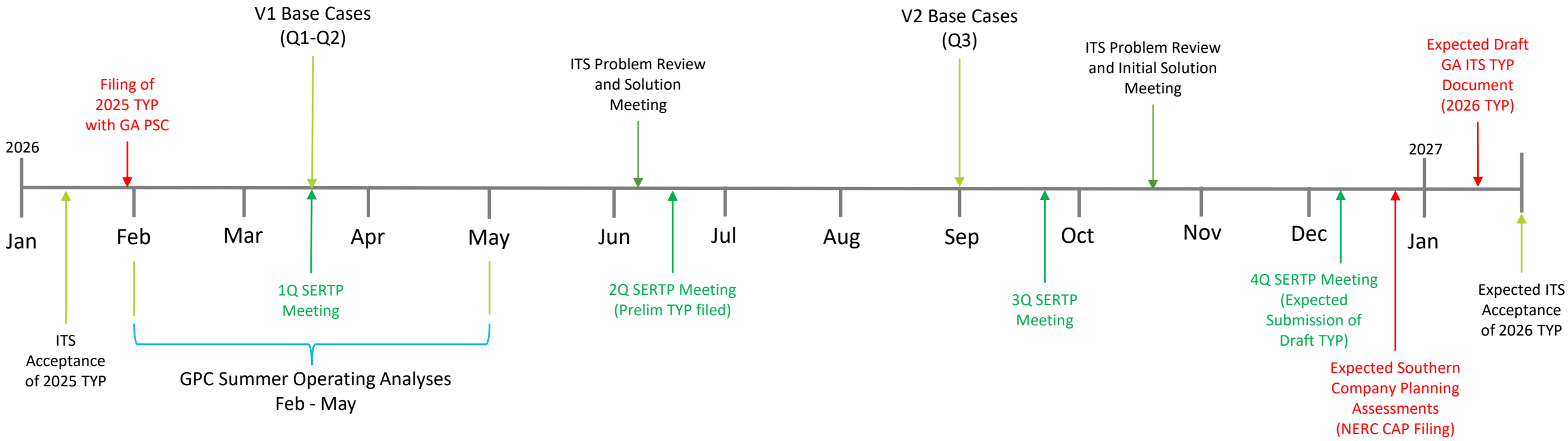
- 2026 Ten-Year Plan Calendar
- SERTP Update
- FERC Large Loads ANOPR
- Strategic Transmission Projects Updates
- Open Discussion

Transmission Plan Update

2026 Ten Year Plan Timeline

Thermal / Voltage
Near-Term Assessments (Years 1 – 5)
Long-Term Assessments (Years 5 – 10)

Thermal / Voltage
Validation Study Runs
Near-Term / Long-Term



GA ITS Transmission Planning – Best for Georgia

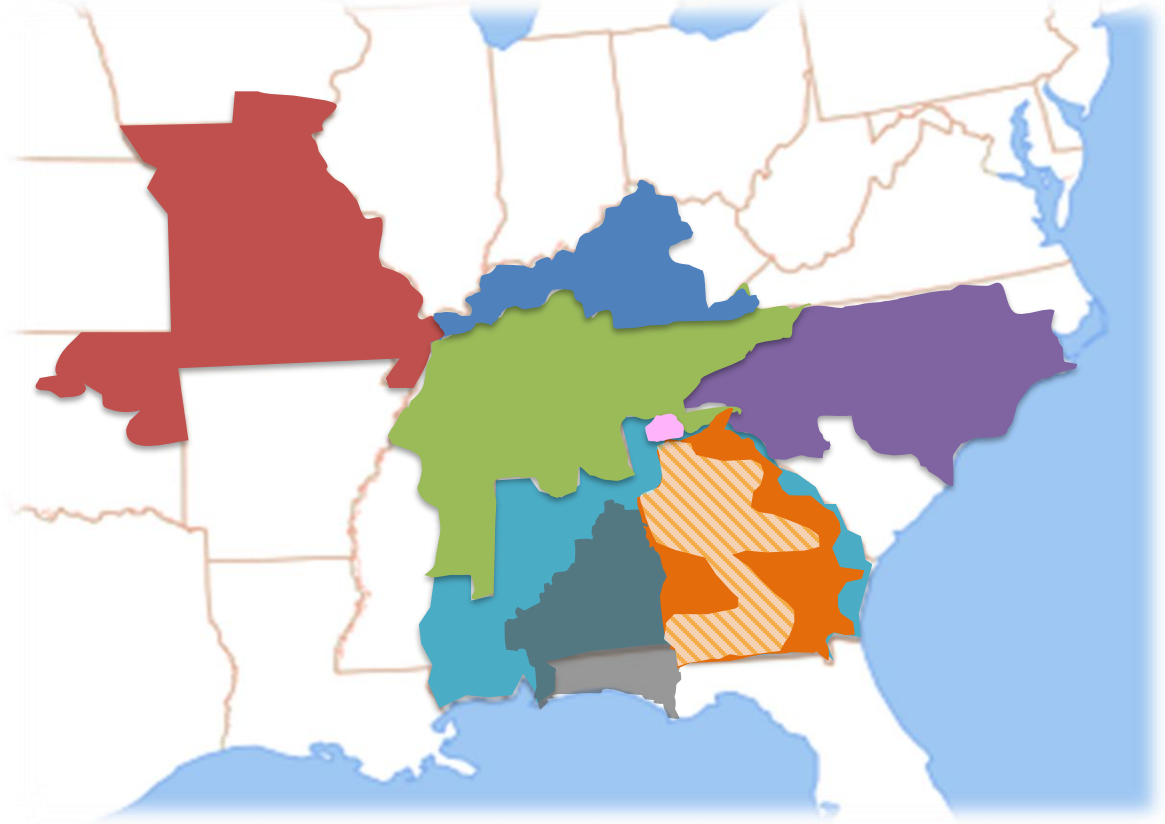
GA ITS Transmission Planning: Proven, Coordinated, Built for Growth

- One integrated plan, one coordinated grid
- Affordability first, reliability always
- Model-driven, iterative, and transparent
- Right solution at the right time
- Measured success

SERTP Update



Southeastern Regional Transmission Planning (SERTP)



SERTP

- Associated Electric Cooperative Inc.
- Dalton Utilities
- Duke Energy
- Georgia Transmission
- LG&E KU
- MEAG Power
- PowerSouth Energy Cooperative
- Southern Company
- TVA

Southeastern Regional TRANSMISSION PLANNING

2026 SERTP

10-Year SERTP Process

1st Quarter Meeting
("First RPSG Meeting and Interactive Training Session")
- RPSG and Interactive Training

2nd Quarter Meeting
("Preliminary Expansion Plan Meeting")
- Preliminary Expansion Plans

3rd Quarter Meeting
("Second RPSG Meeting")
- Preliminary Economic Studies

4th Quarter Meeting
("Annual Transmission Planning Summit and Assumptions Input Meeting")
- Annual Transmission Summit

Mar 25 (Charlotte, NC)
Jun 24 (Louisville, KY)
Sep 22* (Virtual)
Dec 15* (Atlanta, GA)

2026

Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec

06/24

*Subject to change; official meeting dates will be posted on the SERTP website.

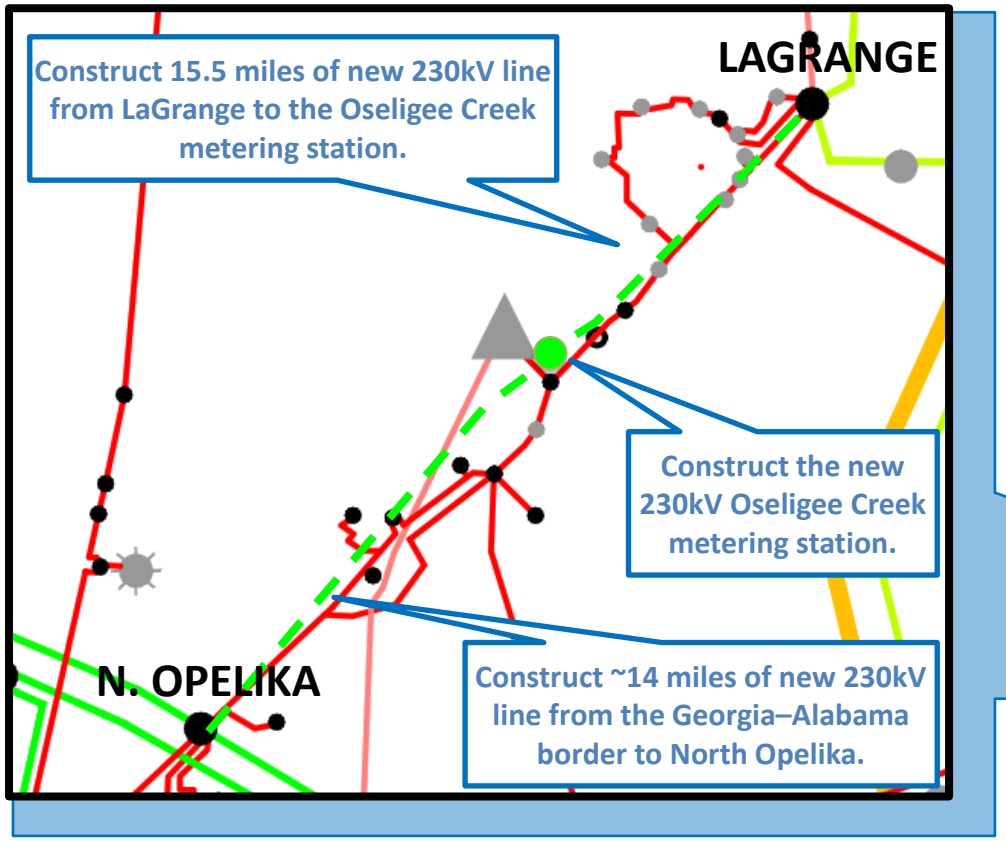
Develop V1 Models	Feb - Jun
Preliminary 10 Year Plan Development	Apr - Jun
Develop V2 Models	Jul - Aug
Economic Planning Studies Assessment	Aug - Sep
10 Year Plan Reassessment	Aug - Oct
Regional Analysis Assessment	Sep - Nov
Economic Planning Studies Reassessment	Oct - Nov
Develop V3 Models	Oct - Dec
Prepare For and Hold Annual Transmission Summit	Oct - Dec

Southeastern Regional TRANSMISSION PLANNING

SOUTHERN Balancing Authority Area

SOUTHERN • 2026

GTC: LAGRANGE PRIMARY-NORTH OPELIKA 230KV (NEW LINE)

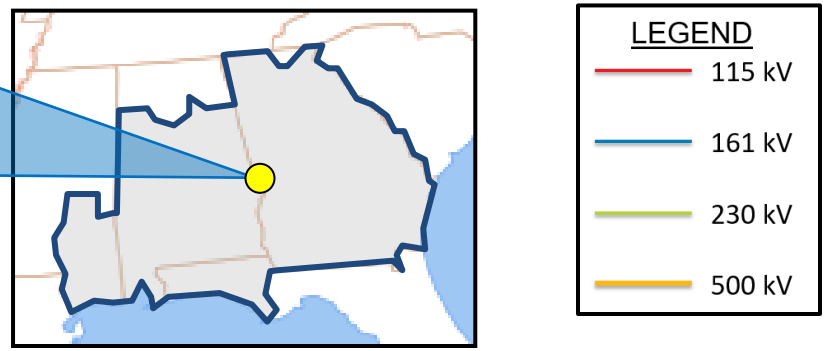


Description:

- APC: Construct ~14 miles of new 230 kV transmission line utilizing 100°C 1351 ACSR from a new metering point, located at the Georgia-Alabama border, to North Opelika TS.
- GTC: Construct the Oseligee Creek 230kV metering station near the Georgia-Alabama state line. Construct the 230kV line section (15.5 miles) from Lagrange Primary to Oseligee Creek.
- GPC: Construct the 230kV line section from Oseligee Creek to the Georgia-Alabama state line (~1 mile). Extend the 230kV bus at LaGrange Primary to terminate the new line.

Supporting Statement:

- The project addresses multiple thermal overloads that occur under contingency.



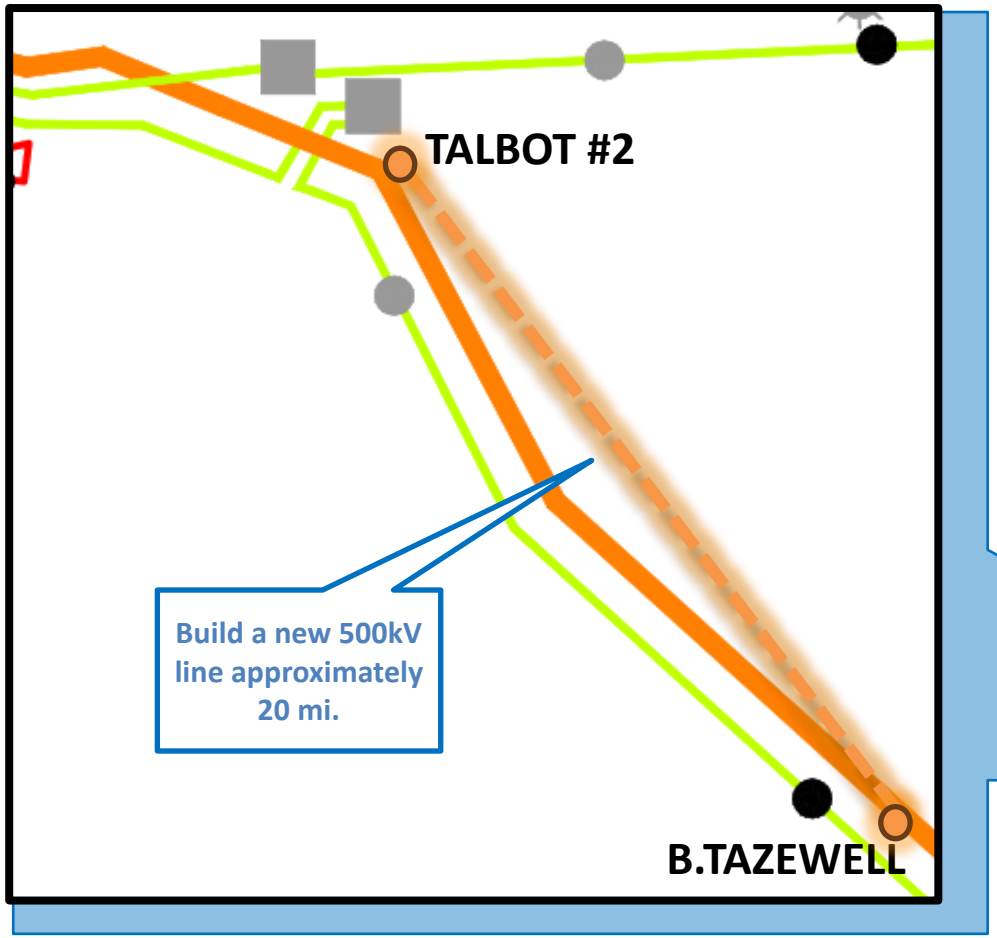
Southeastern Regional TRANSMISSION PLANNING

SOUTHERN Balancing Authority Area

SOUTHERN

• 2029

GTC: TALBOT #2 - BIG TAZEWELL 500KV LINE

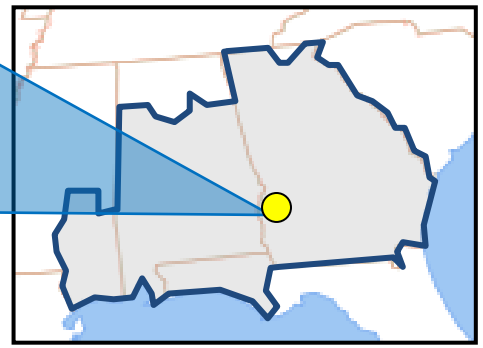


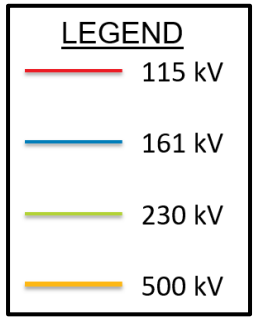
DESCRIPTION:

- Build a 20-mile 500kV line from Talbot #2 to Big Tazewell with (3) 100°C 1113 ACSR conductor.
- Make all necessary accommodations at Talbot #2 to accommodate the new line termination.

SUPPORTING STATEMENT:

- The project addresses several thermal overloads that occur under contingency.





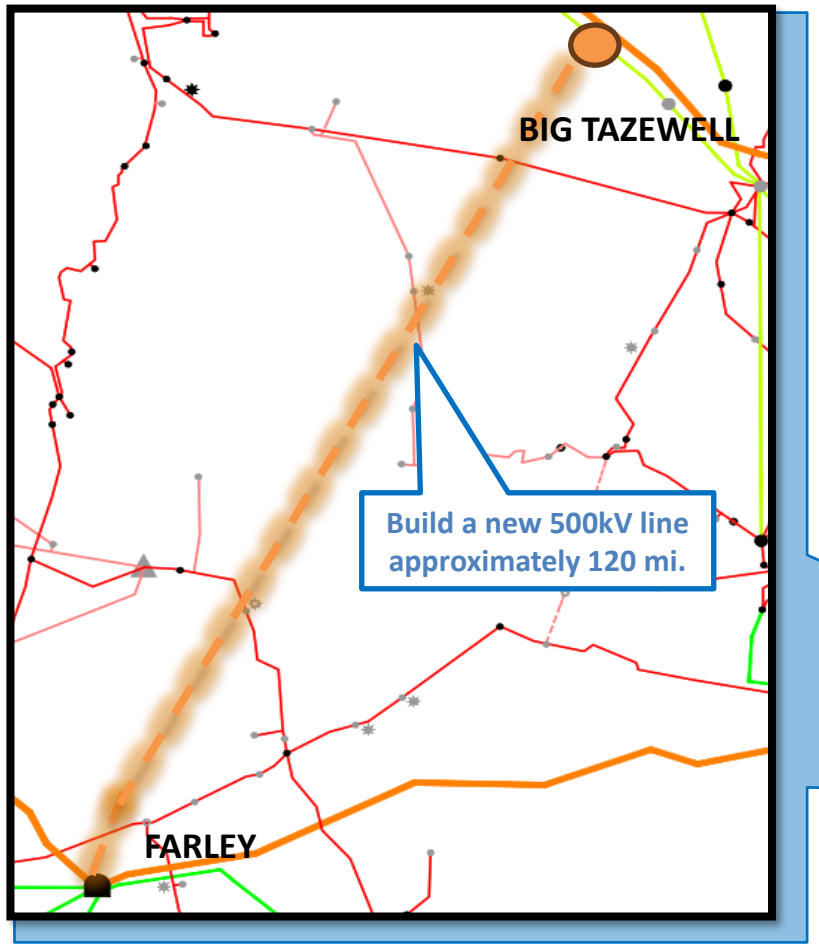
Southeastern Regional TRANSMISSION PLANNING

SOUTHERN Balancing Authority Area

SOUTHERN

• **2029**

FARLEY – BIG TAZEWELL 500KV LINE

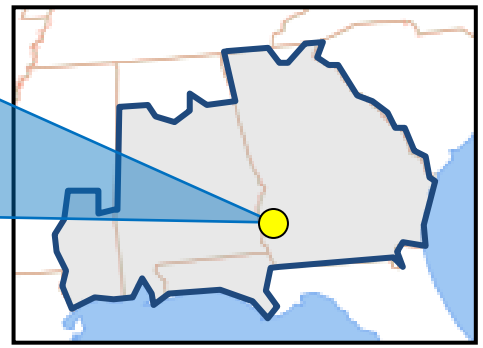


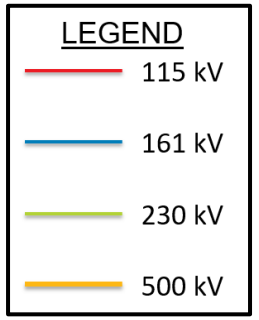
DESCRIPTION:

- Build a 120-mile of 500kV line from Farley to Big Tazewell with (3) 100°C 1113 ACSR.
- Build the Big Tazewell 500kV substation and provide accommodations for the line termination.

SUPPORTING STATEMENT:

- This project addresses multiple thermal overloads that occur under contingency.





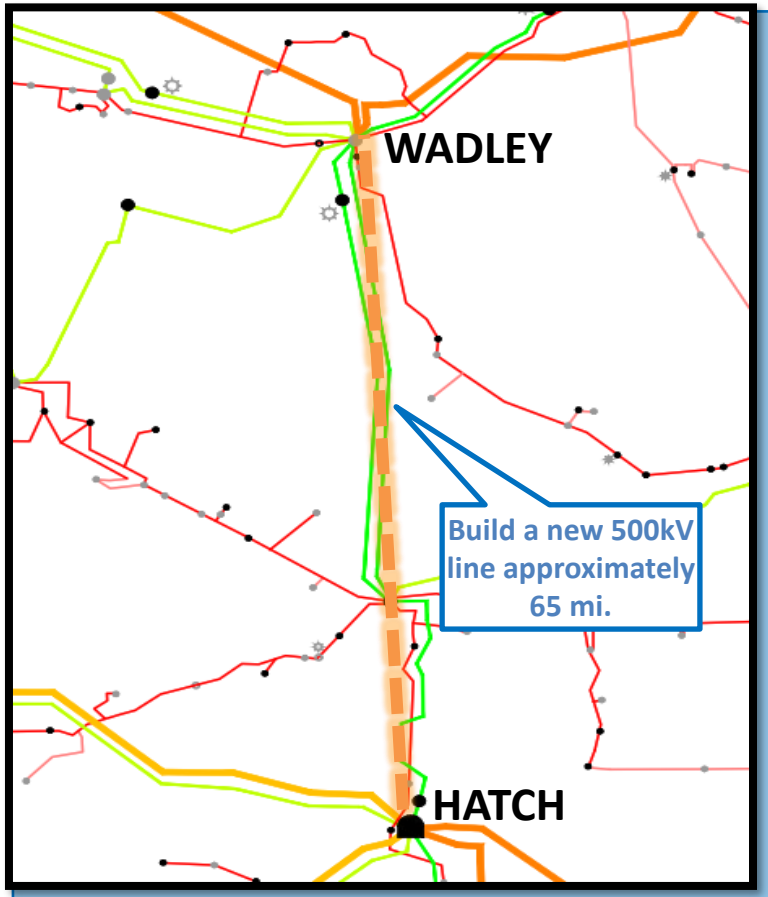
Southeastern Regional TRANSMISSION PLANNING

SOUTHERN Balancing Authority Area

SOUTHERN

• **2031**

HATCH - WADLEY 500 KV LINE STRATEGIC PROJECT

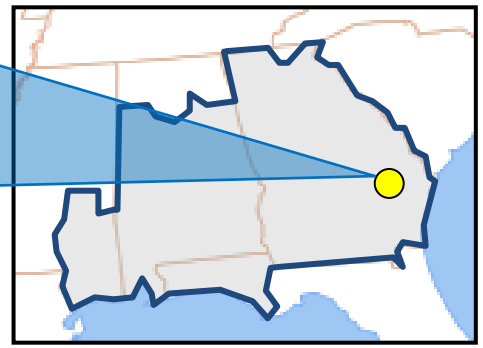


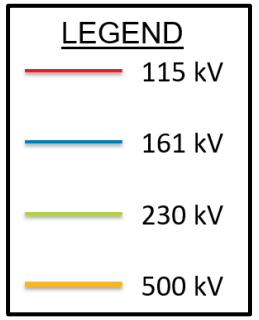
DESCRIPTION:

- Construct a new 65 mile 500kV line from Hatch - Wadley Primary with (3) 100C 1113 ACSR conductor.

SUPPORTING STATEMENT:

- The construction of the new Hatch - Wadley Primary 500kV line addresses the increasing penetration of renewable generation and load growth.





FERC’s Large Loads ANOPR

What Has Changed in 2026?

Intent of ANOPR remains the same

- Standardize and expedite the interconnection of large loads

Key ideas of the ANOPR

- Access and speed: Equal treatment with steps for faster interconnection
- Cost control: Large loads pay their fair share
- Reliability: Keep the grid strong as demand grows

What is next for FERC on this ANOPR?

- June 18th open meeting should provide additional clarity

Disciplined Approach to Contracting Large Loads

Provides benefits to customers and adds certainty to our outlook

Contracting Framework

Contract Length

At least 15 years for data centers and 10 years for all others

Pricing & Minimum Bills

Negotiated with minimum bills to cover at least 100% of annual incremental costs to serve

Termination Payments

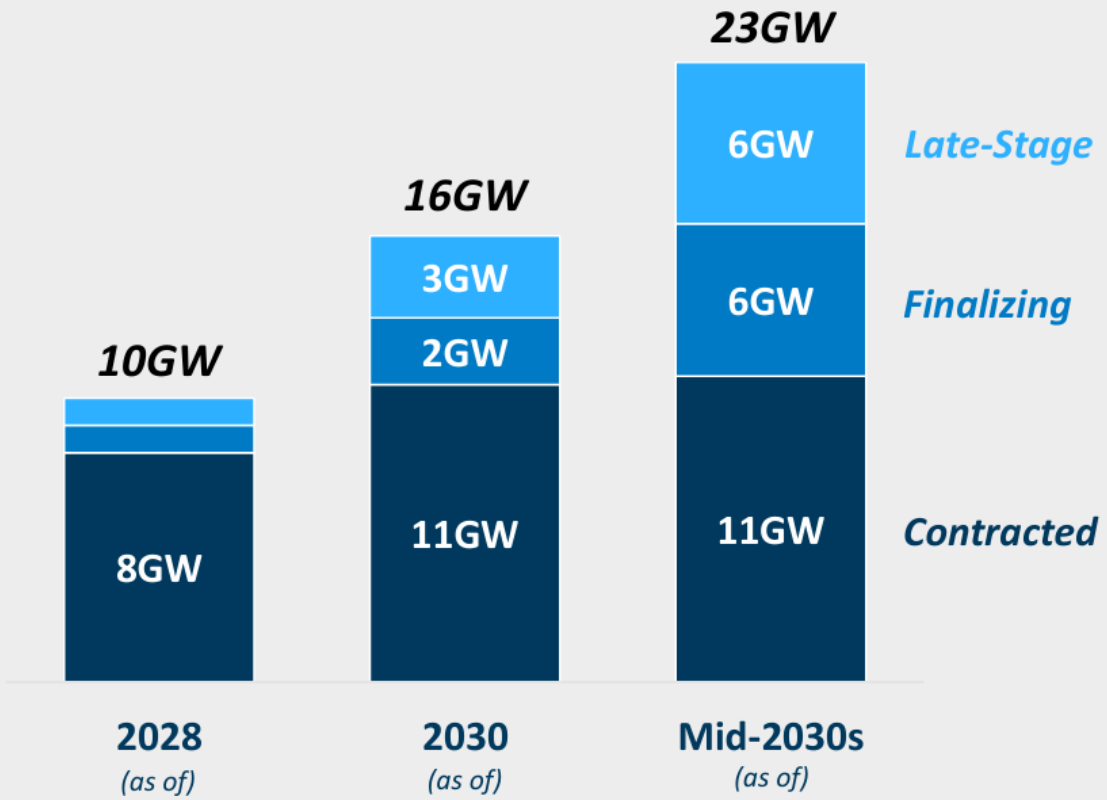
Tied to the remaining incremental costs to serve over the life of the contract

Collateral Requirements

Tied to termination payment and based on customer's creditworthiness

Announced Load Ramps

Nearly all (~11GW) contracted projects have begun construction



Georgia Already Doing It Right

Georgia PSC already uses smart rules for large loads

- **Cost Responsibility**: Large loads pay for grid upgrades
- **Contract Oversight**: PSC reviews large load contracts to protect customers
- **Long-Term Outlook**: Integrated long-term planning keeps the grid strong and reliable

Bottom line:

- State regulated + vertically integrated = Success
- Georgia's approach = Affordable, fair, reliable, and ready for continuous growth

Strategic Transmission Projects Update

Strategic Transmission Projects

- Updates on Projects with a 2025 - 2028 Need Date

Project Number	Project Name	Need Date	GA ITS TYP	Project Status
18774	GTC: Heard County - Tenaska 500kV (Second Line)	12/01/2025	2021	Completed
19334	GTC: Lagrange Primary - North Opelika 230kV Line	From: 06/01/2026 To: 12/31/2026	2021	Construction
09662	GTC: East Walton 500/230kV Area Project	06/01/2027	2022	Engineering & Construction

Strategic Transmission Projects

- Updates on Projects with a 2029 Need Date

Project Number	Project Name	Need Date	GA ITS TYP	Project Status
16887	Thomaston 230kV Area Improvement (Old: Butler – Thomaston 230kV Line Conversion)	06/01/2029	2024	Engineering
19950	GTC: Dresden - Talbot 500kV Line	06/01/2029	2022	Engineering
21062	Ashley Park - Wansley 500kV Line	06/01/2029	2024	From: Planning To: Engineering
21063	From: Farley (APC) - Tazewell 500kV Line To: Big Tazewell - Farley (APC) 500kV Line	From: 06/01/2030 To: 06/01/2029	2024	Planning
21073	From: GTC: Big Smarr - Tomochichi 500kV Line To: GTC: Rum Creek – Tomochichi (Black) 500kV Line	From: 06/01/2030 To: 12/31/2029	2024	Planning
21076	From: GTC: Talbot #2 - Tazewell 500kV Line To: GTC: Big Tazewell - Talbot #2 500kV Line	From: 06/01/2030 To: 06/01/2029	2024	Planning

Strategic Transmission Projects

- Updates on Projects with a 2030 Need Date

Project Number	Project Name	Need Date	GA ITS TYP	Project Status
21123	GTC: Tenaska - Wansley 500kV Line	From: 06/01/2029 To: 06/01/2030	2024	Planning
21496	Cavender Drive - Wansley 500kV Line	06/01/2030	2025	Planning
21013	GTC: Cavender Drive 500/230kV Area Project	06/01/2030	2024	Planning
21014	From: GTC: Cavender Drive - Buzzard Roost 230kV Line To: GTC: Cavender Drive - Thornton Road 230kV Line	06/01/2030	2024	Planning
21077	From: GTC: Rockville - Tiger Creek - Warthen 500kV Line To: GTC: Rockville - Mink Creek - Warthen 500kV Line	06/01/2030	2024	Planning
21094	From: GTC: Tiger Creek - Rockville - North Spa 230kV Line To: GTC: Mink Creek - Rockville - Oasis 230kV Line	06/01/2030	2024	Planning

Strategic Transmission Projects

- Updates on Projects with a 2030 – 2033 Need Date

Project Number	Project Name	Need Date	GA ITS TYP	Project Status
21113	From: GTC: Hartwell Energy - Middle Fork 230kV Line To: GTC: Hartwell Energy - Cash Creek 230kV Line	06/01/2030	2024	Planning
21116	Goshen Area 230kV Area Project	06/01/2030	2024	Planning
21118	MEAG: Athena - Union Point - Warrenton 230kV Line Conversion	06/01/2030	2024	Planning
20756	Hatch - Wadley 500kV Line	06/01/2031	2024	Planning
21099	MEAG: Pio Nono 230/115kV Area Project	06/01/2031	2024	Planning
09661	From: McGrau Ford - Middle Fork 500kV Line To: McGrau Ford – Cash Creek 500kV Line	06/01/2033	2024	Planning
21075	From: GTC: East Walton - Middle Fork 500kV Line To: GTC: East Walton – Cash Creek 500kV Line	06/01/2033	2024	Planning


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