

**Southeastern Regional Transmission Planning (SERTP)**

**PRELIMINARY 10 YEAR  
TRANSMISSION EXPANSION PLANS**

**Associated Electric  
Cooperative Inc.**



**June 8, 2017**

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<sup>1</sup>The projects described in this document represent the current ten year transmission expansion plans. The transmission expansion plans are periodically reviewed and may be revised due to changes in assumptions. This document does not represent a commitment to build for projects listed in the future.

In-Service  
Year: 2018

Project Name: **MARIES – ROLLA NORTH WYE 161 KV T.L. & ROLLA NORTH WYE 161 KV SUBSTATION**

Description: Construct approximately 21.0 miles of 161 kV transmission line from Maries to Rolla North Wye with 795 ACSR at 100°C and install a 56 MVA 161/69 kV transformer at Rolla North Wye.

Supporting  
Statement: The Maries – Rolla North Wye transmission line overloads under contingency and additional voltage support is needed in the Maries and Rolla North Wye area under contingency.

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In-Service  
Year: 2020

Project Name: **WHEATON – CASSVILLE 161 KV T.L. & STELLA 345/161 KV SUBSTATION**

Description: Construct a 345/161 kV substation on the Brookline – Flintcreek 345 kV transmission line. Construct approximately 15.0 miles of 795 ACSR 161 kV transmission line at 100°C from Wheaton – Cassville and install a 161/69 kV transformer at Cassville.

Supporting  
Statement: The Neosho and Washburn 161/69 kV transformers overload under contingency.

---

In-Service  
Year: 2018

Project Name: **NORTH GREENSBORO SUBSTATION**

Description: Install a fourth 230/100 kV, 448 MVA transformer at North Greensboro Substation.

Supporting  
Statement: The North Greensboro 230/100 kV transformer overloads under contingency.

---

In-Service  
Year: 2018

Project Name: **NORTH GREENVILLE – TIGER 100 KV T.L.**

Description: Rebuild approximately 11.0 miles of the North Greenville – Tiger 100 kV transmission line with 954 ACSR at 120°C.

Supporting  
Statement: The North Greenville – Tiger 100 kV transmission line overloads under contingency.

---

In-Service  
Year: 2018

Project Name: **OAKBORO 230/100 KV SUBSTATION**

Description: Install a fourth 230/100 kV, 200 MVA transformer to Oakboro Substation.

Supporting  
Statement: The Oakboro Substation 230/100 kV transformer overloads under contingency.

---

In-Service  
Year: 2018

Project Name: **PEACH VALLEY – RIVERVIEW 230 KV**

Description: Install a 3% series reactor on the Peach Valley – Riverview 230 kV transmission line.

Supporting  
Statement: The Peach Valley – Riverview 230 kV transmission line overloads under contingency.

---

In-Service  
Year: 2018

Project Name: **PIERCETOWN SS - PLAINVIEW RET 100 KV T.L.**

Description: Rebuild the Piercetown SS - Plainview Retail 100 kV transmission line into a double circuit transmission line with 954 ACSR at 120°C, networked with the Anderson Tie - Plainview Retail 100 kV transmission line.

Supporting  
Statement: Anderson Tie – Plainview Retail 100 kV transmission line is approaching capacity. Networking the Piercetown SS – Plainview Retail 100 kV transmission line provides additional capacity to the area.

---

In-Service  
Year: 2018

Project Name: **SPRINGFIELD SWITCHING STATION**

Description: Convert Springfield Tap into Springfield Switching Station.

Supporting  
Statement: The Wylie Switching – Morning Star Tie 100 kV transmission lines overload under contingency.

---

In-Service  
Year: 2019

Project Name: **BELAIR SWITCHING STATION**

Description: Construct a new five breaker switching station on the North Greensboro – Robbins Road 100 kV transmission line.

Supporting  
Statement: The North Greensboro – Robbins Road 100 kV transmission lines overload under contingency.

---

In-Service  
Year: 2019

Project Name: **RIVERBEND STEAM STATION**

Description: Install two 230/100 kV, 400 MVA transformers at Riverbend Steam Station.

Supporting  
Statement: Retirement of Riverbend Steam Station generation causes multiple transmission lines to overload under contingency and causes the need for additional voltage support in the Riverbend area.

---

In-Service  
Year: 2019

Project Name: **SADLER TIE – DAN RIVER 100 KV T.L.**

Description: Construct approximately 8.2 miles of new 100 kV transmission line between Dan River Combined Cycle Station and Sadler Tie with 795 ACSS at 200°C.

Supporting  
Statement: Thermal overloads occur around Dan River Steam Station and Dan River Combined Cycle Station under contingency.

---

In-Service Year:	2020
Project Name:	<b>CLIFFSIDE STEAM STATION</b>
Description:	Install a third 230/100 kV, 448 MVA transformer at Cliffside Steam Station.
Supporting Statement:	The Cliffside Steam Station 230/100 kV transformer overloads under contingency.
<hr/>	
In-Service Year:	2020
Project Name:	<b>WILKES TIE 230 KV SUBSTATION</b>
Description:	Install a new 230/100 kV, 448 MVA transformer at Wilkes Tie.
Supporting Statement:	Thermal overloads occur near North Wilkesboro Tie and additional voltage support is needed in the area under contingency.
<hr/>	
In-Service Year:	2021
Project Name:	<b>NEW 230/100 KV TIE IN MAIDEN NC</b>
Description:	Construct new 230/100 kV Tie Station, southwest of Maiden NC at the intersection of the Lincoln CT - Longview Tie 230 kV transmission line and the Lincolnton Tie - Hickory Tie 100kV transmission line.
Supporting Statement:	To support additional load growth in the area.
<hr/>	
In-Service Year:	2021
Project Name:	<b>PLEASANT GARDEN 500/230 KV SUBSTATION</b>
Description:	Upgrade the existing 500/230 kV transformer to 2078 MVA at Pleasant Garden Substation.
Supporting Statement:	The Pleasant Garden 500/230 kV transformer overloads under contingency.
<hr/>	
In-Service Year:	2021
Project Name:	<b>WALNUT COVE – RURAL HALL 100 KV T.L.</b>
Description:	Split approximately 10.0 miles of the bundled six wire Walnut Cove – Rural Hall 100 kV transmission line circuit into two circuits.
Supporting Statement:	The Walnut Cove – Rural Hall 100 kV transmission line overloads under contingency.



In-Service  
Year: 2022

Project Name: **CENTRAL – SHADY GROVE 230 KV T.L.**

Description: Reconductor approximately 18.0 miles of the Central – Shady Grove 230 kV transmission line with bundled 954 ACSR at 120°C.

Supporting  
Statement: The Central – Shady Grove 230 kV transmission line overloads under contingency.

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In-Service  
Year: 2022

Project Name: **MONROE – LANCASTER 100 KV T.L.**

Description: Rebuild approximately 20.0 miles of the Monroe – Lancaster 100 kV transmission line with 954 ACSR at 120°C.

Supporting  
Statement: The Monroe – Lancaster 200 kV transmission line overloads with a generation outage.

---

In-Service  
Year: 2022

Project Name: **STAMEY – STATESVILLE 100 KV T.L.**

Description: Reconductor approximately 8.0 miles of the Stamey – Statesville 100 kV transmission line with 795 ACSR and 954 ACSR at 120°C.

Supporting  
Statement: The Stamey – Statesville 100 kV transmission line overloads under contingency.

---

In-Service  
Year: 2023

Project Name: **BECKERDITE – LINDEN ST 100 KV T.L.**

Description: Reconductor approximately 16.0 miles of the double circuit Beckerdite – Linden St 100 kV transmission line with bundled 477 ACSR.

Supporting  
Statement: The Beckerdite – Linden St. 100 kV transmission line overloads under contingency.

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In-Service  
Year: 2018

Project Name: **RAEFORD 230 KV SUBSTATION**

Description: Loop in the Richmond – Ft. Bragg Woodruff St. 230 kV transmission line at Raeford 230/115 kV substation and install a 300 MVA transformer.

Supporting  
Statement: The Raeford 230/115 kV transformers and Weatherspoon – Raeford 115 kV transmission line overload under contingency.

---

In-Service  
Year: 2019

Project Name: **ASHEBORO – ASHEBORO EAST (NORTH) 115 KV T.L.**

Description: Rebuild approximately 6.5 miles of the Asheboro – Asheboro East (North) 115 kV transmission line using 1590 ACSR rated for 307 MVA. Replace disconnect switches at Asheboro 230 kV substation and both the breaker and the disconnect switches at Asheboro East 115 kV substation with equipment of at least 2000 A capability.

Supporting  
Statement: The Asheboro – Asheboro East (North) 115 kV transmission line overloads under contingency.

---

In-Service  
Year: 2019

Project Name: **SUTTON PLANT – CASTLE HAYNE 115 KV (NORTH) T.L.**

Description: Rebuild approximately 8.0 miles of the Sutton Plant – Castle Hayne 115 kV North transmission line using 1272 ACSR rated for 239 MVA.

Supporting  
Statement: The Sutton Plant – Castle Hayne 115 kV North transmission line overloads under contingency.

---

In-Service  
Year: 2020

Project Name: **GRANT'S CREEK – JACKSONVILLE 230 KV T.L.**

Description: Construct approximately 12.0 miles of new 230 kV transmission line from Jacksonville 230 kV substation to a new 230 kV substation at Grant's Creek with bundled 6-1590 ACSR or equivalent conductor rated for 1195 MVA. Build the new 230 kV Grant's Creek substation with four 230 kV breakers and a new 230/115 kV, 300 MVA transformer.

Supporting  
Statement: The Havelock – Jacksonville 230 kV transmission line overloads under contingency and additional voltage support is needed in the Jacksonville area.

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In-Service  
Year: 2020

Project Name: **HARLOWE – NEWPORT 230 KV T.L.**

Description: Construct a new 230 kV switching station at Newport, construct a new 230 kV substation at Harlowe, and construct approximately 10.0 miles of new 230 kV transmission line from Harlowe to Newport Area with 1590 ACSR or equivalent conductor rated for 680 MVA.

Supporting  
Statement: Additional voltage support is needed in the Havelock – Morehead area under contingency.

---

In-Service  
Year: 2020

Project Name: **IND 304717 115 KV CAPACITOR BANK**

Description: Install one 18 MVAR capacitor bank at IND 304717 115 kV substation.

Supporting  
Statement: Additional voltage support is needed in the Hartsville area under contingency.

---

In-Service  
Year: 2020

Project Name: **PROSPECT 230 KV CAPACITOR STATION**

Description: Construct a new capacitor bank station near Brunswick EMC Prospect 230 kV substation off the Brunswick # 2 – Whiteville 230 kV transmission line, and install one 60 MVAR capacitor bank at the new station.

Supporting  
Statement: Additional voltage support is needed in the Prospect area under contingency.

---

In-Service  
Year: 2020

Project Name: **SMITHFIELD 115 KV CAPACITOR STATION**

Description: Construct a new capacitor bank station near Smithfield 115 kV substation and install one 18 MVAR capacitor bank at Smithfield 115 kV substation.

Supporting  
Statement: Additional voltage support is needed in the Smithfield area under contingency.

---

In-Service  
Year: 2021

Project Name: **LOUISBURG AREA 115 KV CAPACITOR STATION**

Description: Construct a capacitor bank station near Louisburg 115 kV substation and install one 18 MVAR capacitor bank at Smithfield 115 kV substation.

Supporting  
Statement: Additional voltage support is needed in Louisburg area under contingency.

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In-Service  
Year: 2022

Project Name: **IND 304440 – MAXTON 115 KV RECONDUCTOR**

Description: Reconductor approximately 3.5 miles of the IND 304440 – Maxton 115 kV transmission line with 795 ACSR.

Supporting  
Statement: The IND 304440 – Maxton section of the Weatherspoon – IND 304440 115 kV transmission line overloads under contingency.

---

In-Service  
Year: 2024

Project Name: **BRUNSWICK #1 – JACKSONVILLE 230 KV T.L.**

Description: Loop the existing Brunswick Plant Unit 1 – Jacksonville 230 kV transmission line into the Folkstone 230 kV substation. Also, convert the Folkstone 230 kV bus configuration to breaker-and-one-half by installing three (3) new 230 kV breakers.

Supporting  
Statement: The Castle Hayne – Folkstone 115 kV transmission line overloads under contingency.

---

In-Service  
Year: 2025

Project Name: **DURHAM – RTP 230 KV T.L.**

Description: Reconductor approximately 10.0 miles of the Durham – RTP 230 kV transmission line with bundled 6 – 1590 ACSR rated for 1195 MVA.

Supporting  
Statement: The Durham – RTP 230 kV transmission line overloads under contingency.

---

In-Service  
Year: 2018

Project Name: **VANDERBILT – WEST ASHEVILLE 115 KV T.L.**

Description: Reconductor approximately 2.7 miles of the Vanderbilt – West Asheville 115 kV transmission line with 3-795 ACSR rated for 300 MVA. Replace one 115 kV breaker, two 115 kV disconnect switches, and one 115 kV switch at Vanderbilt.

Supporting  
Statement: The Vanderbilt – West Asheville 115 kV transmission line overloads under contingency.

---

In-Service  
Year: 2019

Project Name: **ASHEVILLE SE PLANT**

Description: Upgrade the two existing 230/115 kV transformers to 400 MVA each at Asheville SE Plant, reconductor approximately 1.2 miles of the 115 kV north and south transformer tie lines with 1590 ACSR at 100°C, replace the existing breakers with 3000 A breakers, and install a 72 MVAR 230 kV capacitor bank.

Supporting  
Statement: Necessary upgrades to allow for interconnection of two combined cycle units at Asheville Plant.

---

In-Service  
Year: 2019

Project Name: **CANE RIVER 230 KV STATIC VAR COMPENSATOR (SVC)**

Description: Install a 230 kV, 150 MVAR Static Var Compensator (SVC) at Cane River Substation.

Supporting  
Statement: Necessary upgrades to allow for interconnection of two combined cycle units at Asheville Plant.

---

In-Service  
Year: 2019

Project Name: **PISGAH FOREST 230 KV SUBSTATION**

Description: Upgrade the existing 115/100 kV transformers to 150 MVA at Pisgah Forest Substation.

Supporting  
Statement: Necessary upgrades to allow for interconnection of two combined cycle units at Asheville Plant.

---

In-Service Year: 2022

Project Name: **ASHEVILLE PLANT – OTEEN WEST 115 KV T.L., BALDWIN TAP**

Description: Construct approximately 2.2 miles of new 115 kV transmission line from the Asheville Plant – Oteen West 115 kV transmission line to the Asheville Plant – Oteen East 115 kV transmission line with 795 ACSR. The Baldwin 115 kV substation will be reconnected to this new tap line.

Supporting Statement: Additional voltage support is needed in the Baldwin area under contingency.

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PRELIMINARY

In-Service  
Year: 2018

Project Name: **HARDINBURG – BLACK BRANCH 138 KV T.L.**

Description: Replace 138 kV terminal equipment, rated less than or equal to 237 MVA, on the Hardinsburg to Black Branch 138kV transmission line with equipment capable of a minimum of 265 MVA summer emergency rating.

Supporting  
Statement: The Hardinsburg – Black Branch 138 kV transmission line becomes overloaded under contingency.

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In-Service  
Year: 2019

Project Name: **GHENT - FAIRVIEW 138 KV T.L.**

Description: Upgrade approximately 3.29 miles of the 795 SSAC Ghent to Fairview 138 kV transmission line from 90°C to 100°C.

Supporting  
Statement: The Ghent - Fairview 138 kV transmission line overloads under contingency.

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In-Service  
Year: 2021

Project Name: **PLAINVIEW – PLAINVIEW TAP 138 KV T.L.**

Description: Replace approximately 1.57 miles of 1272 AAC conductor of the Plainview Tap to Plainview section of the Middletown to Beargrass 138 kV transmission line with 1272 ACSR capable of at least 341 MVA.

Supporting  
Statement: The Plainview Tap – Plainview 138 kV transmission line overloads under contingency.

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In-Service  
Year: 2021

Project Name: **WATTERSON – JEFFERSON TAP 138 KV T.L.**

Description: Replace 138 kV terminal equipment rated less than or equal to 306 MVA summer emergency ratings at Watterson on the Watterson – Jefferson 138 kV line with equipment capable of a minimum of 341 MVA summer emergency rating.

Supporting  
Statement: The Watterson – Jefferson Tap 138 kV transmission line overloads under contingency.

---

In-Service Year: 2018

Project Name: **GASKIN – SOUTHPORT 115 KV T.L.**

Description: Construct approximately 9.0 miles of new 115 kV transmission line from Gaskin Switching Station to Southport substation with 795 ACSR at 100°C.

Supporting Statement: Improve the reliability of Gulf Coast Electric's substations by providing a looped service feed.

---

In-Service Year: 2018

Project Name: **GRACEVILLE – HOLMES CREEK 115 KV TIE**

Description: Construct approximately 0.5 miles of new 115 kV transmission line from Graceville 115kV substation to Gulf Power Holmes Creek substation with 795 ACSR at 100°C.

Supporting Statement: Additional voltage support is needed at Graceville and Fountain under contingency.

---

In-Service Year: 2018

Project Name: **LEE COUNTY 115 KV SWITCHING STATION**

Description: Construct a 115 kV switching station to facilitate the Lee County – Fuller Road 115 kV transmission line.

Supporting Statement: Additional voltage support is needed on the Dublin – West Point 115 kV transmission line under contingency

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In-Service Year: 2018

Project Name: **SALEM JUNCTION – BOTTOMS MILL 115 KV T.L.**

Description: Construct approximately 16.0 miles of new 115 kV transmission line from Bottom's Mill to Salem Junction with 795 ACSR at 100°C.

Supporting Statement: Additional voltage support needed in the Dublin, Kyzar, Brundidge, Clio, and Victoria areas under contingency.

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In-Service Year: 2019

Project Name: **LIBERTY 230/115 KV TRANSFORMER UPGRADE**

Description: Replace the existing 230/115 kV, 150 MVA transformers with 400 MVA transformers

Supporting Statement: The existing 230/115 kV transformer at Liberty Substation overloads under contingency.

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In-Service  
Year: 2018

Project Name: **BARRY – MCINTOSH "A" 115 KV T.L.**

Description: Reconductor approximately 20.0 miles along the Barry – McIntosh "A" 115 kV transmission line with 1033 ACSS at 200°C operation.

Supporting  
Statement: Provides increased reliability and additional maintenance flexibility.

---

In-Service  
Year: 2018

Project Name: **DALTON – OOSTANAULA 115 KV T.L.**

Description: Reconductor approximately 1.1 miles of the Dalton – Oostanaula 115 kV transmission line with 795 ACSR conductor at 100°C and rebuild the bus at Dalton #9.

Supporting  
Statement: The Dalton – Oostanaula 115 kV transmission line overloads under contingency.

---

In-Service  
Year: 2018

Project Name: **DEAN FOREST – MILLHAVEN ANNEX 115 KV T.L.**

Description: Construct approximately 5.3 miles of 795 ACSR 115 kV transmission line from Dean Forest to Millhaven Annex at 100°C operation.

Supporting  
Statement: Additional voltage support is needed in the Millhaven area under contingency.

---

In-Service  
Year: 2018

Project Name: **FOREST – MORTON 115 KV T.L.**

Description: Reconductor approximately 8.4 miles of 477 ACSR 115 kV transmission line from Forest TS to the Entergy tie point with 1033 ACSR at 100°C.

Supporting  
Statement: The Forest – Forest Industrial – Morton 115 kV transmission line overloads under contingency.

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In-Service Year: 2018

Project Name: **FULLER ROAD – LEE COUNTY 115 KV T.L.**

Description: Construct approximately 13.0 miles of new 795 ACSR at 100°C 115 kV transmission line from Fuller Road (APC) to Lee County (PowerSouth).

Supporting Statement: The Knauff Fiberglass – N. Opelika 115 kV transmission line overloads under contingency. The new Fuller Rd – Lee County 115 kV transmission line will also provide greater maintenance flexibility on the N. Opelika TS – Lanett DS 115 kV corridor.

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In-Service Year: 2018

Project Name: **GADSDEN – GULF STATES STEEL 115 KV T.L.**

Description: Reconductor approximately 2.5 miles of 397 ACSR along the Gulf States Steel – Morgan's Crossroads 115 kV transmission line with 795 ACSR at 100°C.

Supporting Statement: The Gulf States Steel – Morgan's Crossroads 115 kV transmission line overloads under contingency.

---

In-Service Year: 2018

Project Name: **HOLT – SOUTH BESSEMER 230 KV T.L.**

Description: Construct approximately 25.0 miles of 1351 ACSS 230 kV transmission line at 200°C from Holt to South Bessemer. Install a 230/115 kV transformer at a new Brookwood T.S. to tie into the existing Daimler D.S. and extend the transmission line from Daimler Tap. Install a 6 breaker switching station at the existing Daimler Tap.

Supporting Statement: The Holt – Mercedes 115 kV transmission line overloads under contingency. This project also provides increased reliability and maintenance flexibility for the Tuscaloosa Area.

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In-Service Year: 2018

Project Name: **JASPER EAST – MISSIONARY (SMEPA) 230 KV T.L.**

Description: Tap the Missionary – Waynesboro 161 kV transmission line at the intersection of the Enterprise – Laurel East 230 kV transmission line. Construct a four (4) breaker 230 kV ring bus in Jasper County, MS.

Supporting Statement: Additional voltage support is needed in the area.

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In-Service Year:	2018
Project Name:	<b>MITCHELL DAM – LAY DAM AREA SOLUTION</b>
Description:	Construct approximately 10.3 miles of 115 kV transmission line from Mitchell Dam – Clanton Loop Tap with 795 ACSS at 200°C.
Supporting Statement:	The Mitchell Dam – CRH Tap – Clanton Tap 115 kV transmission line overloads under contingency.

---

In-Service Year:	2018
Project Name:	<b>PRATTVILLE AREA PROJECT</b>
Description:	Construct approximately 6.5 miles of 795 ACSR 115 kV transmission line at 100°C from County Line Road – Prattville DS. Install new 115 kV terminal at Hunter Switching Station. Construct approximately 2.7 miles of 795 ACSR 115 kV transmission line at 100°C from Hunter Switching Station to GE Burkeville Tap.
Supporting Statement:	Provides increased reliability and maintenance flexibility.

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In-Service Year:	2018
Project Name:	<b>SOUTH BIRMINGHAM 115 KV PROJECT</b>
Description:	Construct a 115 kV switching station (Lakeshore SS) between Bessemer TS and Magella TS that loops in the existing Bessemer – Magella 115 kV transmission line and the North Helena – Patton Chapel 115 kV transmission line. Construct another 115 kV switching station (Massey Road SS) by expanding Massey Road DS and looping in the South Jefferson to North Helena 115 kV transmission line.
Supporting Statement:	Provides increased reliability in the South Birmingham area.

---

In-Service Year:	2018
Project Name:	<b>WADLEY PRIMARY 230/115 KV TRANSFORMER REPLACEMENT</b>
Description:	Replace Wadley Primary 230/115 kV, 125 MVA Bank "A" with a 300 MVA transformer and reconductor 230 kV main bus to (2) 2500 AAC.
Supporting Statement:	The Wadley Primary 230/115 kV transformer overloads under contingency.

---

In-Service  
Year: 2019

Project Name: **AUBURN – OPELIKA AREA 115 KV T.L. NETWORKING**

Description: Add a new 115 kV switching station (East Loop SS), a new 115 kV switching station west of North Auburn (Pear Tree SS) and construct approximately 4.0 miles of 115 kV transmission line from Pear Tree SS to Wire Road. Construct a new 115 kV switching station near the Chewacla Tap (Pin Oaks SS) and a new substation west of Marvyn DS intersecting the Fuller Rd – Notasulga and South Auburn 115 kV transmission lines (Sanford SS). Reconductor approximately 1.8 miles of 115 kV transmission line between Opelika #1 and Opelika #3 with 795 ACSR at 100°C. Reconductor approximately 7.4 miles of 115 kV transmission line between Sanford SS – Sonat Tap – Pin Oaks with 397 ACSS at 200°C. Reconductor approximately 7.1 miles of 115 kV transmission line between – Beehive Tap – Chewacla with 795 ACSR at 100°C. Reconductor approximately 6.0 miles of 115 kV transmission line between North Auburn – Pear Tree SS with 795 ACSS at 200°C.

Supporting  
Statement: Provides additional reliability and maintenance flexibility.

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In-Service  
Year: 2019

Project Name: **CLAXTON – STATESBORO PRIMARY 115 KV T.L.**

Description: Reconductor approximately 17.8 miles along the Claxton – Statesboro Primary 115 kV transmission line with 795 ACSR at 100°C and replace 600 A switches at Langston and Statesboro with 2000 A switches.

Supporting  
Statement: The Claxton – Statesboro 115 kV transmission line overloads under contingency.

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In-Service  
Year: 2019

Project Name: **EASTERN ALABAMA AREA 115 KV PROJECT**

Description: Reconductor approximately 5.3 miles of 397 ACSR at 75°C 115 kV transmission line between Gulf States Steel and Rainbow City SS with 795 ACSS at 200°C. Install a new 115 kV switching station around Rainbow City. Install a new 115 kV terminal at Clay TS. Upgrade the existing 230/115 kV transformer at Clay TS to 477 MVA. Construct approximately 34.0 miles of 795 ACSS at 200°C between Clay TS and the new Rainbow City SS.

Supporting  
Statement: Addresses high loadings and provides maintenance flexibility for several 115 kV transmission lines in the Gadsden area.

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In-Service Year: 2019

Project Name: **EUTAW – SOUTH TUSCALOOSA 115 KV T.L.**

Description: Rebuild approximately 30.0 miles of 397 ACSR transmission line at 100°C from Eutaw to South Tuscaloosa with 1033 ACSR at 100°C.

Supporting Statement: Provides increased operational flexibility.

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In-Service Year: 2019

Project Name: **HONDA – KRONOSPAN 115 KV T.L.**

Description: Construct approximately 10.3 miles of 795 ACSR 115 kV transmission line at 100°C from Honda to Kronospan.

Supporting Statement: Provides increased reliability, additional voltage support, and additional maintenance flexibility.

---

In-Service Year: 2019

Project Name: **HOPE HULL AREA SOLUTION**

Description: Construct approximately 1.8 miles of 795 ACSR 115 kV transmission line at 100°C between Hyundai Power Transformers to a tap point on the W. Montgomery – Pintlala 115 kV transmission line. Reconductor approximately 2.7 miles of the Hope Hull Tap – Hyundai Power Transformers 115 kV transmission line with 795 ACSR at 100°C.

Supporting Statement: Provides increased reliability and additional maintenance flexibility.

---

In-Service Year: 2019

Project Name: **MCINTOSH 230/115 KV SUBSTATION**

Description: Replace the existing 230/115 kV, 280 MVA transformer with a 230/115 kV transformer rated for 400 MVA.

Supporting Statement: The McIntosh 230/115 kV transformer overloads under contingency.

---

In-Service  
Year: 2019

Project Name: **MITCHELL 230 KV REBUILD**

Description: Rebuild of the Plant Mitchell switchyard to allow the spare transformer and the new transformer to both be in-service.

Supporting  
Statement: Additional voltage support is needed in the Albany area under contingency.

---

In-Service  
Year: 2019

Project Name: **MOODY SS CAPACITOR BANKS**

Description: Install two new 15 MVAR capacitor banks at Moody 115 kV SS.

Supporting  
Statement: Additional voltage support is needed in the area.

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In-Service  
Year: 2019

Project Name: **NORTH AUBURN – ROANOKE 115 KV T.L.**

Description: Upgrade approximately 2.5 miles of 397 ACSR on the City of Lafayette – Lafayette TS to 100°C operation.

Supporting  
Statement: The City of Lafayette – Lafayette TS 115 kV transmission line overloads under contingency.

---

In-Service  
Year: 2019

Project Name: **NORTH BAY MINETTE AREA SOULTION**

Description: Construct a new substation at Bay Minette Tap and upgrade approximately 12.4 miles of the Bay Minette DS – Steelwood 115 kV transmission line to 100°C.

Supporting  
Statement: Provides additional maintenance flexibility.

---



In-Service Year: 2019

Project Name: **SOUTH AUGUSTA – GRANITEVILLE, SC 115 & 230 KV T.L.**

Description: Construct a new 5.2 mile 230 kV tie-line (GPC to SCE&G) from the South Augusta 230/115 kV substation to the GA/SC state-line with bundled 1351 ACSR at 100°C. Also, rebuild 4.2 miles of the existing South Augusta - Elanco 115 kV transmission line from S. Augusta to the Nutrasweet Junction, and rebuild 1.0 mile of the Nutrasweet Junction transmission line to the GA/SC state line with 1351 ACSR at 100°C.

Supporting Statement: The Savannah River (SCE&G) – Vogtle 230 kV tie-line and multiple other transmission facilities on the SCE&G system overload under contingency.

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In-Service Year: 2019

Project Name: **THEODORE AREA PROJECT**

Description: Construct approximately 5.3 miles of new 115 kV transmission line to the Praxair Tap from North Theodore and add a switching station near Tronox LLC. Reconductor approximately 1 mile of the Hollinger's Island – Holcim 115 kV transmission line to 795 ACSR at 100°C.

Supporting Statement: Provides increased reliability and additional maintenance flexibility.

---

In-Service Year: 2019

Project Name: **WADLEY PRIMARY 500/230 KV SUBSTATION**

Description: Construct a new 500 kV substation on the Vogtle – Warthen 500 kV transmission line. Install a 500/230 kV, 2016 MVA transformer that ties to the Wadley Primary 230 kV bus. Upgrade the 230 kV bus at Wadley Primary with 2-1590 AAC.

Supporting Statement: Project to enhance reliability in the Augusta area and to support the expansion of Plant Vogtle.

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In-Service Year: 2020

Project Name: **BIO BREAKER REPLACEMENT**

Description: Replace the 1200 A breaker on the Avalon Junction 115 kV transmission line with a 2000 A breaker.

Supporting Statement: The existing 1200 A breaker on the Avalon Junction 115 kV transmission line becomes overloaded under contingency.

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In-Service Year:	2020
Project Name:	<b>BLAKELY PRIMARY – MITCHELL 115 KV T.L.</b>
Description:	Upgrade approximately 48.2 miles of 115 kV transmission line from Plant Mitchell to Morgan substation to 100°C operation.
Supporting Statement:	The Blakely Primary – Mitchell 115 kV transmission line overloads under contingency.

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In-Service Year:	2020
Project Name:	<b>BUTLER 230 KV SUBSTATION</b>
Description:	Remove 2% series reactors at Butler on the Bonaire Primary – Butler 230 kV transmission line.
Supporting Statement:	The reactors are no longer needed due to generation additions at Plant Vogtle.

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In-Service Year:	2020
Project Name:	<b>DEAL BRANCH – SYLVANIA 115 KV T.L.</b>
Description:	Upgrade approximately 23.1 miles along the Deal Branch – Sylvania 115 kV transmission line to 100°C operation.
Supporting Statement:	The Deal Branch – Sylvania 115 kV transmission line overloads under contingency.

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In-Service Year:	2020
Project Name:	<b>GORDON – SANDERSVILLE #1 115 KV T.L.</b>
Description:	Upgrade the 30 mile section from Gordon to Robins Spring, along the Gordon – Sandersville #1 115 kV transmission line from 50°C to 100°C operation.
Supporting Statement:	The Gordon – Robins Spring section of the Gordon – Sandersville #1 115 kV transmission line overloads under contingency.

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In-Service Year:	2020
Project Name:	<b>KETTLE CREEK PRIMARY – PINE GROVE PRIMARY 115 KV T.L.</b>
Description:	Upgrade approximately 20.0 miles along the Kettle Creek – Pine Grove 115 kV transmission line from 50°C to 75°C operation.
Supporting Statement:	The Kettle Creek Primary – Pine Grove 115 kV transmission line overloads under contingency.

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In-Service Year:	2020
Project Name:	<b>KIMBERLY CLARK – BLAKELY ISLAND 115 KV T.L.</b>
Description:	Reconductor approximately 0.5 miles of 795 ACSR along the Kimberly Clark – Blakely Island 115 kV transmission line with 1033 ACSS at 160°C.
Supporting Statement:	Provides increased reliability and additional maintenance flexibility.
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In-Service Year:	2020
Project Name:	<b>MOBILE AREA NETWORKING – 3RD PATH</b>
Description:	Construct a new substation at Dawes Tap on the Big Creek – N. Theodore 115 kV transmission line. Reconductor approximately 4.0 miles of 115 kV transmission line from Lott Road – Schillinger Road with 795 ACSS at 200°C. Reconductor approximately 6.3 miles of 115 kV transmission line from North Mobile – Michael Blvd with 397 ACSS at 200°C.
Supporting Statement:	Provides increased reliability and additional maintenance flexibility.
<hr/>	
In-Service Year:	2020
Project Name:	<b>NORTH AMERICUS – PERRY 115 KV T.L.</b>
Description:	Rebuild approximately 43.0 miles of the existing 115 kV transmission line from North Americus to Perry substation with 795 ACSR at 100°C.
Supporting Statement:	The North Americus – Perry 115 kV transmission line overloads under contingency.
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In-Service Year:	2020
Project Name:	<b>OFFERMAN 230/115 KV SUBSTATION</b>
Description:	Replace the existing 230/115 kV, 140 MVA transformers with two 230/115 kV, 280-300 MVA transformers.
Supporting Statement:	The Offerman 230/115 kV transformers overload under contingency.
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In-Service Year: 2020

Project Name: **STATESBORO PRIMARY – WADLEY PRIMARY 115 KV T.L.**

Description: Upgrade approximately 17.0 miles along the Nunez tap – Stillmore – Metter section of the Statesboro – Wadley Primary 115 kV transmission line from 50°C to 100°C operation. Replace the 600 A line switches at the Nunez Tap with 2000 A switches. Replace 600 A switches at Wadley Primary with 2000 A switches.

Supporting Statement: The Nunez tap – Stillmore – Metter section of the Statesboro – Wadley Primary 115 kV transmission line overloads under contingency.

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In-Service Year: 2021

Project Name: **EVANS PRIMARY – THOMSON PRIMARY 115 KV T.L.**

Description: Reconductor approximately 4.2 miles of 115 kV transmission line along the Evans – Patriots Park section of the Evans Primary – Thomson Primary 115 kV transmission line with 795 ACSR at 100°C. Replace 336 ACSR jumper at 100°C with 795 ACSR at 100°C.

Supporting Statement: The Evans Primary – Thomson Primary 115 kV transmission line overloads under contingency.

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In-Service Year: 2021

Project Name: **HARRIS – NORTH SELMA 230 KV T.L.**

Description: Rebuild approximately 26.0 miles of the Autaugaville (Harris SS) – North Selma 230 kV transmission line with 1033 ACCR at 200°C.

Supporting Statement: The Harris – North Selma 230 kV transmission line overloads under contingency.

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In-Service Year: 2022

Project Name: **ALICEVILLE – COCHRANE 115 KV T.L.**

Description: Construct a 230/115 kV station at Cochrane TS. Construct approximately 9.0 miles of 115 kV transmission line from Aliceville TS to Cochrane TS with 397.5 ACSR at 100°C. Install a 15 MVAR capacitor bank at Aliceville TS and Cochrane TS.

Supporting Statement: Provides increased reliability and additional maintenance flexibility. Also, additional voltage support is needed in the area.

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In-Service Year: 2022  
Project Name: **BARNEYVILLE – DOUGLAS 115 KV T.L.**  
Description: Upgrade approximately 2.5 miles along the Nashville #1 – Nashville #2 section of the Barneyville - Douglas 115 kV transmission line to 100°C operation.  
Supporting Statement: The Barneyville – North Tifton 115 kV transmission line overloads under contingency.

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In-Service Year: 2022  
Project Name: **BASSETT CREEK – LOWMAN 115 KV T.L.**  
Description: Reconductor approximately 24.0 miles of 397 and 795 ACSR from Bassett Creek – Lowman 115 kV transmission line with 1351 ACSS at 200°C.  
Supporting Statement: Provides increased operational flexibility.

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In-Service Year: 2022  
Project Name: **DOUGLASVILLE – POST ROAD 115 KV T.L.**  
Description: Reconductor approximately 6.0 miles along the Douglasville – Anneewakee Junction section of the Douglasville – Post Road 115 kV transmission line with 1033 ACSR at 100°C.  
Supporting Statement: The Douglasville – Post Road 115 kV transmission line overloads under contingency.

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In-Service Year: 2022  
Project Name: **MOSS POINT EAST 230/115 KV SUBSTATION**  
Description: Upgrade the existing 115 kV switches at Moss Point East substations to 431 MVA.  
Supporting Statement: The Moss Point East 230/115 kV transformers overload under contingency.

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In-Service Year: 2023  
Project Name: **DEMOPOLIS TS – CEMEX 115 KV T.L.**  
Description: Construct approximately 1.0 mile of 795 ACSR 115 kV transmission line at 100°C from Demopolis TS to Cemex.  
Supporting Statement: Provides increased reliability and additional maintenance flexibility.

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In-Service  
Year: 2023

Project Name: **FLOMATON 230/115 KV SUBSTATION**

Description: Construct a new Flomaton 230/115 kV, 480 MVA transformer at Flomaton TS and reconductor approximately 16.0 miles of 795 ACSR at 100°C from N. Brewton – Flomaton 115kV with 1351 ACSR at 100°C.

Supporting  
Statement: Provides increased reliability and additional maintenance flexibility.

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In-Service  
Year: 2023

Project Name: **MCEVER ROAD – SHOAL CREEK 115 KV T.L.**

Description: Rebuild approximately 16.2 miles of the McEver Road – Shoal Creek 115 kV transmission line with 1033 ACSR at 100°C.

Supporting  
Statement: The McEver Road – Shoal Creek 115 kV transmission line overloads under contingency.

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In-Service  
Year: 2023

Project Name: **SOUTH COWETA – SOUTH GRIFFIN 115 KV T.L.**

Description: Reconductor approximately 5.0 miles of 115 kV transmission line along the South Coweta – Brooks section of the South Coweta – South Griffin 115 kV transmission line with 1033 ACSR at 100°C.

Supporting  
Statement: The South Coweta – Brooks section of the South Coweta – South Griffin 115 kV transmission line overloads under contingency.

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In-Service  
Year: 2024

Project Name: **BLANKETS CREEK – WOODSTOCK 115 KV T.L.**

Description: Rebuild approximately 2.5 miles of the Blankets Creek – Woodstock 115 kV transmission line with 1351 ACSR conductor at 100°C.

Supporting  
Statement: The Blankets Creek – Woodstock 115 kV transmission line overloads under contingency.

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In-Service  
Year: 2024

Project Name: **BRUNSWICK – EAST BEACH (SEA ISLAND) 115 KV T.L.**

Description: Upgrade approximately 1.55 miles of the Frederica Tap - Sea Island section of the Brunswick – East Beach 115 kV transmission line to 75°C.

Supporting  
Statement: During Hot Weather load level conditions, the Frederica Tap – Sea Island section of the Brunswick – East Beach 115 kV transmission line becomes overloaded.

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In-Service  
Year: 2024

Project Name: **CLARKSTON – SCOTSDALE 115 KV T.L.**

Description: Upgrade approximately 2.7 miles of the Scottdale – Clarkston Junction section of the Clarkston – Scottdale 115 kV transmission line to 160°C.

Supporting  
Statement: The Clarkston - Scottdale 115kV line overloads under contingency.

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In-Service  
Year: 2024

Project Name: **DOUGLASVILLE - POST RD 115 KV REBUILD, (ANNEEWAKEE TO CAMP CK)**

Description: Rebuild approximately 3.45 miles along the Anneewakee Loop Junction to Camp Creek section of the Douglasville – Post road 115 kV transmission line with 1033 ACSR at 100°C.

Supporting  
Statement: The Douglasville - Post Road 115 kV transmission line overloads under contingency.

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In-Service  
Year: 2024

Project Name: **EAST POINT – CAMP CREEK 115 KV T.L.**

Description: Rebuild the 397 ACSR portion of the East Point to Ben Hill Tap section of the East Point – Camp Creek 115 kV transmission line with 1351 ACSR at 100°C using 230 kV specifications. Replace the existing 600 A switches at East Point with 2000 A switches.

Supporting  
Statement: The East Point to Ben Hill Tap section of the East Point – Camp Creek 115 kV transmission line overloads under contingency.

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In-Service  
Year: 2024

Project Name: **FAYETTE – GORGAS 161 KV T.L.**

Description: Rebuild approximately 37.0 miles of 397.5 ACSR at 100°C on the Fayette – Gorgas 161 kV transmission line with 795 ACSS at 160°C.

Supporting  
Statement: The Fayette – Gorgas 161 kV transmission line overloads under contingency.

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In-Service  
Year: 2024

Project Name: **GRADY – MORROW 115 KV T.L.**

Description: Rebuild approximately 3.5 miles of the Grady – Morrow 115 kV transmission line with 1033 ACSR at 100°C.

Supporting  
Statement: The Grady – Morrow 115 kV transmission line overloads under contingency.

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In-Service  
Year: 2024

Project Name: **LAWRENCEVILLE – NORCROSS 230 KV T.L.**

Description: Reconductor approximately 5.9 miles of the Boggs Road – Lawrenceville section of the Lawrenceville – Norcross 230 kV transmission line with 1351 ACSS at 170°C.

Supporting  
Statement: The Lawrenceville - Norcross 230 kV transmission line overloads under contingency.

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In-Service  
Year: 2025

Project Name: **AUSTIN DRIVE – MORROW 115 KV RECONDUCTOR**

Description: Reconductor approximately 5.2 miles along the Morrow – Ellenwood and the Rainbow Drive – River Road 115 kV transmission line sections of the Austin Drive – Morrow 115 kV line to 200°C operation. Replace switches and/or jumpers as necessary at Ellenwood and Morrow.

Supporting  
Statement: The Austin Drive – Morrow 115 kV transmission line overloads under contingency.

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In-Service  
Year: 2025

Project Name: **CONYERS – CORNISH MOUNTAIN 115 KV T.L.**

Description: Reconductor approximately 4.8 miles along the Conyer – Cornish Mountain 115 kV transmission line with 795 ACSS at 160°C.

Supporting  
Statement: The Conyers – Cornish Mountain 115 kV transmission line overloads under contingency.

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In-Service Year:	2025
Project Name:	<b>DYER ROAD 230/115 KV SUBSTATION</b>
Description:	Install a second 230/115 kV, 400 MVA transformer at Dyer Road.
Supporting Statement:	The existing Corn Crib 230/115 kV transformer overloads under contingency.

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In-Service Year:	2025
Project Name:	<b>GRADY – MORROW 115 KV LINE REBUILD</b>
Description:	Replace the 600 A switch at Morrow on the Grady – Morrow 115 kV (White) transmission line with a 2000 A switch. Also, replace the 750 AAC jumper.
Supporting Statement:	The Grady - Morrow 115 kV transmission line overloads under contingency.

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In-Service Year:	2025
Project Name:	<b>HOLLY SPRINGS – HOPEWELL 115 KV T.L.</b>
Description:	Reconductor approximately 3.3 miles of 636 ACSR 115 kV transmission line from Hopewell to Birmingham with 1033 ACSR at 100°C. Also, replace the 636 ACSR jumpers at Birmingham with 1590 AAC jumpers.
Supporting Statement:	The Hopewell - Birmingham 115 kV transmission line overloads under contingency.

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In-Service Year:	2025
Project Name:	<b>NORTH MARIETTA – SMYRNA (BLACK &amp; WHITE) 115 KV T.L.</b>
Description:	Reconductor approximately 2.4 miles of the North Marietta – Lockheed Martin Tap section of the North Marietta – Smyrna Black and White 115 kV transmission lines with 657 ACSR at 100°C.
Supporting Statement:	The North Marietta – Lockheed Martin Tap section of the North Marietta – Smyrna Black and White 115 kV transmission line becomes overloaded under contingency.

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In-Service Year:	2025
Project Name:	<b>POSSUM BRANCH – YATES 115 KV T.L.</b>
Description:	Reconductor approximately 12.0 miles of the Possum Branch – Yates 115 kV transmission line with 1351 ACSR conductor at 100°C.
Supporting Statement:	The Possum Branch – Yates 115 kV transmission line overloads under contingency.

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In-Service  
Year: 2025

Project Name: **SINCLAIR DAM – WARRENTON 115 KV T.L.**

Description: Reconductor approximately 17.4 miles of 115 kV transmission line along the Sinclair Dam – Warrenton 115 kV transmission line with 795 ACSR at 100°C.

Supporting  
Statement: The Sinclair Dam – Warrenton 115 kV transmission line overloads under contingency.

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In-Service  
Year: 2025

Project Name: **SOUTH HALL 500/230 KV TRANSFORMER**

Description: Install a second 500/230 kV, 2016 MVA transformer at the South Hall 500/230 kV substation.

Supporting  
Statement: The Cumming – McGrau Ford 230 kV transmission line and the Lawrenceville – Norcross 230 kV transmission line overload under contingency.

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In-Service  
Year: 2025

Project Name: **UNION CITY – YATES 230 KV WHITE LINE RECONDUCTOR**

Description: Reconductor approximately 23.0 miles along the Union City to Plant Yates 230 kV transmission line with 1033 ACSS at 160°C.

Supporting  
Statement: The Union City – Yates 230 kV transmission line overloads under contingency.

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In-Service  
Year: 2026

Project Name: **BASSETT CREEK – MCINTOSH 115 KV T.L.**

Description: Reconductor approximately 46.0 miles of 397 and 795 ACSR from Bassett Creek – McIntosh 115 kV transmission line with 1351 ACSS at 200°C.

Supporting  
Statement: Provides increased operational flexibility.

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In-Service  
Year: 2026

Project Name: **MOSS POINT EAST – PASCAGOULA BAYOU CASOTTE 115 KV T.L.**

Description: Construct approximately 2.7 miles of new 1033.5 ACSR 115 kV transmission line at 100°C from Moss Point East and connect into the existing BP Amoco – Pascagoula Bayou Cassotte 115 kV transmission line.

Supporting  
Statement: The Moss Point East – Pascagoula MS Chemical 115 kV transmission line overloads under contingency.

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In-Service  
Year: 2026

Project Name: **NORCROSS – OCEE 230 KV T.L.**

Description: Reconductor approximately 3.7 miles along the Norcross – Ocee 230 kV transmission line with 1033 ACSS at 160°C.

Supporting  
Statement: The Norcross – Ocee 230 kV transmission line overloads under contingency.

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In-Service  
Year: 2026

Project Name: **NORTH AMERICUS – PALMYRA 230 KV T.L.**

Description: Upgrade approximately 33.3 miles of the North Americus – Palmyra 230 kV transmission line to 100°C operation.

Supporting  
Statement: The North Americus – Palmyra 230 kV transmission line overloads under contingency.

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In-Service Year:	2018
Project Name:	<b>HARRIMAN, TN 161 KV SUBSTATION</b>
Description:	Reconfigure the Harriman, TN 161 kV substation by looping an additional 161 kV transmission line into the substation and installing 3, 161 kV breakers.
Supporting Statement:	Additional voltage support is needed in the Harriman, TN area under contingency.
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In-Service Year:	2018
Project Name:	<b>MURFREESBORO IND PARK 161 KV SUBSTATION</b>
Description:	Install a capacitor bank of 6, 9 MVAR 161 kV capacitors at a new 161 kV switching station near the Murfreesboro Industrial Park substation.
Supporting Statement:	Additional voltage support is needed in the Murfreesboro area under contingency.
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In-Service Year:	2018
Project Name:	<b>NASHVILLE AREA IMPROVEMENT PLAN</b>
Description:	Install an additional 500/161 kV, 1344 MVA transformer at the Pin Hook 500 kV substation. Reconductor the Nolensville Road – Elysian Fields 161 kV transmission line with 636 ACSS at 150°C. Reconductor the Murfreesboro Road – Airport 161 kV transmission line with 636 ACSS at 150°C. Reconductor the Blackman Tap – Smyrna 161 kV transmission line with 636 ACSS at 150°C. Construct the Montgomery – Clarksville #3 161 kV transmission line with 1590 ACSS at 150°C.
Supporting Statement:	Thermal overloads occur and additional voltage support is needed in the Nashville area under contingency.
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In-Service Year:	2018
Project Name:	<b>PLATEAU 500 KV SUBSTATION</b>
Description:	Construct the Plateau 500 kV substation by looping in the Wilson – Roane 500 kV and West Cookeville – Rockwood 161 kV transmission lines.
Supporting Statement:	Thermal overloads and the need for additional voltage support in the Murfreesboro, TN and Knoxville, TN areas under contingency.
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In-Service Year:	2018
Project Name:	<b>ROYAL BLUE, TN 161 KV SUBSTATION</b>
Description:	Install a capacitor bank of 5, 9 MVAR capacitors at a new switching station near the Royal Blue, TN delivery point.
Supporting Statement:	Additional voltage support is needed in the Caryville, TN area under contingency.
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In-Service Year:	2018
Project Name:	<b>WEST COOKEVILLE 161 KV SUBSTATION</b>
Description:	Upgrade terminal equipment to 335 MVA at the West Cookeville 161 kV substation.
Supporting Statement:	The West Cookeville – South Cookeville 161 kV transmission line overloads under contingency.
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In-Service Year:	2019
Project Name:	<b>OXFORD – COFFEEVILLE 161 KV T.L. CONSTRUCT</b>
Description:	Construct approximately 30.0 miles of the new Oxford – Coffeeville 161 kV transmission line with 954 ACSR at 100°C.
Supporting Statement:	Additional voltage support is needed in the Mississippi area under contingency.
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In-Service Year:	2019
Project Name:	<b>RED HILLS – LEAKE 161 KV T.L.</b>
Description:	Construct approximately 60.0 miles of 161 kV transmission line from Red Hills to Leake with 954 ACSR at 100°C.
Supporting Statement:	Multiple 161 kV transmission lines in the lower MS area overload under contingency and additional voltage support is needed in the lower MS area under contingency.
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In-Service Year:	2019
Project Name:	<b>WIDOWS CREEK FP SUBSTATION</b>
Description:	Install a second 500/161 kV transformer at the Widows Creek Fossil Plant substation.
Supporting Statement:	Multiple transmission lines overload and additional voltage support is needed in the Huntsville, AL area under contingency.

In-Service  
Year: 2020

Project Name: **ALCOA SS – NIXON ROAD 161 KV T.L.**

Description: Rebuild approximately 12.0 miles of the Alcoa North – Nixon Road 161 kV transmission line with 1590 ACSR at 100°C and construct approximately 2.0 miles of new transmission line to create the Alcoa SS – Nixon Rd 161 kV #2 transmission line.

Supporting  
Statement: The Alcoa Switching Station – Nixon Road 161 kV transmission line overloads under contingency.

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In-Service  
Year: 2020

Project Name: **BOWLING GREEN – MEMPHIS JUCTION 161 KV T.L.**

Description: Upgrade approximately 7.5 miles of the Bowling Green – Memphis Junction 161 kV transmission line to 100°C operation.

Supporting  
Statement: The Bowling Green – Memphis Junction 161 kV transmission line overloads under contingency.

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In-Service  
Year: 2020

Project Name: **HOLLY SPRINGS, MS 161 KV SUBSTATION**

Description: Install a capacitor bank of 3, 27 MVAR capacitors at the Holly Springs, MS 161 kV switching station.

Supporting  
Statement: Additional voltage support is needed in the N. Haven, MS area under contingency.

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In-Service  
Year: 2020

Project Name: **TUSCULUM – JONESBOROUGH 161 KV T.L.**

Description: Double circuit approximately 17.0 miles of the Tusculum - Jonesborough 161 kV transmission line with 954 ACSR at 100°C.

Supporting  
Statement: The Tusculum - Jonesborough 161 kV transmission line overloads under contingency.

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In-Service Year:	2021
Project Name:	<b>COUNCE, TN 161 KV SUBSTATION</b>
Description:	Convert Counce 161 kV switchyard to a double breaker arrangement. Loop existing Pickwick – Tri State Commerce Park 161 kV transmission line into Counce 161 kV station.
Supporting Statement:	Additional voltage support is needed in the Counce, TN area under contingency.
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In-Service Year:	2021
Project Name:	<b>EAST KNOX – DUMPLIN VALLEY 161 KV T.L.</b>
Description:	Reconductor approximately 9.0 miles of the East Knox - Dumplin Valley 161 kV transmission line with 1590 ACSS at 125°C.
Supporting Statement:	The East Knox – Dumplin Valley 161 kV transmission line overloads under contingency.
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In-Service Year:	2021
Project Name:	<b>KNOX - DOUGLAS 161 KV T.L.</b>
Description:	Rebuild approximately 15.0 miles of the Knox – Douglas 161 kV transmission line with 954 ACSS at 125°C.
Supporting Statement:	The Knox – Douglas 161 kV transmission line overloads under contingency.
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In-Service Year:	2021
Project Name:	<b>WEST POINT – STARKVILLE 161 KV T.L.</b>
Description:	Reconductor approximately 14.0 miles of the West Point – Starkville 161 kV transmission line with 954 ACSS at 125°C.
Supporting Statement:	The West Point – Starkville 161 kV transmission line overloads under contingency.
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In-Service Year:	2023
Project Name:	<b>DOUGLAS-NEWPORT 161 KV T.L. SECTION</b>
Description:	Reconductor approximately 24.0 miles of the Douglas - Newport 161 kV transmission line with 954 ACSS at 125°C.
Supporting Statement:	The Douglas - Newport 161 kV transmission line section overloads under contingency.

In-Service  
Year: 2024

Project Name: **RADNOR – PIN HOOK 161 KV T.L.**

Description: Reconductor approximately 10.0 miles of the Radnor – Pin Hook 161 kV transmission line with 1590 ACSS at 125°C.

Supporting  
Statement: The Radnor – Pin Hook 161 kV transmission line overloads under contingency.

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In-Service  
Year: 2024

Project Name: **W. NASHVILLE – CLARKSVILLE 161 KV T.L.**

Description: Upgrade approximately 8.0 miles of the W. Nashville – Clarksville 161 kV transmission line to 100°C operation.

Supporting  
Statement: The W. Nashville – Clarksville 161 kV transmission line overloads under contingency.

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In-Service  
Year: 2026

Project Name: **LAFOLLETTE 161 KV SUBSTATION**

Description: Install a capacitor bank of 5, 9 MVAR capacitors at the Lafollette 161kV Substation.

Supporting  
Statement: Additional voltage support is needed in the Lafollette, TN area under contingency.

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