

In-Service Year:	2026
Project Name:	<b>REBUILD THE 24.48-MILE-LONG CROCKER SOUTH-LEBANON #2 161 KV LINE WITH 795</b>
Description:	Rebuild the 24.48-mile-long Crocker South-Lebanon #2 161 kV line with 795 ACSR rated at 100C
Supporting Statement:	The Crocker South - Lebanon 161 kV line overloads under contingency
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In-Service Year:	2027
Project Name:	<b>REBUILD 31.58 MILE LONG MANSFIELD - GAINESVILLE #2 161 KV LINE WITH 795 ACSR R</b>
Description:	Rebuild the 31.58 mile long Mansfield - Gainesville #2 161 kV line with 795 ACSR rated at 100C
Supporting Statement:	The Mansfield - Gainesville 161 kV transmission line can overload under contingency
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In-Service Year:	2027
Project Name:	<b>REBUILD THE 24.42 MILE-LONG-LINE FROM GAINESVILLE #2-BULL SHOALS 161 KV LINE</b>
Description:	Rebuild the 24.42 mile-long-line from Gainesville #2-Bull Shoals 161 kV line 795 ACSR at 100C
Supporting Statement:	The Gainesville - Bull Shoals 161 kV line overloads under contingency
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In-Service Year:	2028
Project Name:	<b>REBUILD THE 26.49 MILE LONG MORGAN-BROOKLINE 161 KV LINE WITH 795 ACSR RAT</b>
Description:	Rebuild the 26.49 mile long Morgan-Brookline 161 kV line with 795 ACSR rated at 100C
Supporting Statement:	The Morgan - Brookline 161 kV line overloads under contingency
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PRELIMINARY

In-Service  
Year: 2024

Project Name: **PARKWOOD TIE BANK 5 REPLACEMENT**

Description: Replace Parkwood Tie 500/230 kV Bank 5 with 3 new single phase autobanks

Supporting  
Statement: Failure of existing bank requires a replacement

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In-Service  
Year: 2025

Project Name: **ALLEN STEAM STATION TRANSFORMER REPLACEMENT AND SOUTH POINT SWITCHING**

Description: To facilitate the generation retirement at Allen Steam Station, both 230/100 kV transformers need to be replaced with larger 448MVA units. Due to age and need for physically larger equipment to facilitate the larger transformers, the 100 kV at Allen Steam Station is being rebuilt at a new switching station called South Point Switching Station

Supporting  
Statement: Allen Steam Station transformers overload under contingency

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In-Service  
Year: 2025

Project Name: **DAN RIVER CTCC STATION TO MEADOW GREEN RET**

Description: Extend the Dan River CTCC Station to Meadow Green Retail 100 kV Transmission Line to help serve expected load growth in the region. This will require the rebuild of a portion of the Dan River Steam to APCO (Fieldale) 138kV Tie Line

Supporting  
Statement: Expected load growth in the region requires the Dan River CTCC to Meadow Green Retail 100 kV Transmission Line to be extended.

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In-Service  
Year: 2025

Project Name: **HODGES TIE - CORONACA TIE 100 KV TRANSMISSION LINE**

Description: Rebuild approximately 9.2 miles of the Hodges Tie - Coronaca Tie 100 kV transmission line with 795 ACSS/TW at 200°C

Supporting  
Statement: The Hodes Tie - Coronaca Tie 100 kV transmission line can overload under contingencies

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In-Service  
Year: 2025

Project Name: **LEE STEAM STATION - SHADY GROVE TIE 100 KV TRANSMISSION LINE (LEE CIRCUITS)**

Description: Rebuild the entire Lee Steam Station - Shady Grove 100 kV Transmission Line (Lee circuits) with 1158 ACSS/TW at 200°C

Supporting  
Statement: The Lee Steam Station - Shady Grove 100 kV Transmission Lines can overload under contingency

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In-Service  
Year: 2025

Project Name: **MCDOWELL TIE 230/100 KV BANK 2 REPLACEMENT**

Description: Replace existing bank 2 with new larger 448 MVA autotransformer

Supporting  
Statement: Existing bank is approaching the end of its operatable life

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In-Service  
Year: 2025

Project Name: **MEBANE TIE - CUSTOMER DELIVERY 44KV TRANSMISSION LINE**

Description: Rebuild 2.2 miles (Efland Retail to Customer Delivery) of the Mebane Tie - Customer Delivery 44kV Transmission Line to double circuit and establish a new 100 kV Tap off the Mebane Tie - Eno Tie 100 kV Transmission Line with 556 ACSR rated at 120 °C

Supporting  
Statement: To support additional customer growth in the region

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In-Service  
Year: 2025

Project Name: **N GREENVILLE TIE - TRANSFORMER REPLACEMENT**

Description: REPLACE EXISTING BANK 1 WITH NEW LARGER 448 - MVA 230/100/44KV AUTOBANK.  
REPLACE EXISTING 230 KV AND 44 KV OIL BREAKERS WITH GAS

Supporting  
Statement: EXISTING N GREENVILLE TIE BANK 1 CAN OVERLOAD UNDER CONTINGENCY

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In-Service  
Year: 2025

Project Name: **OAKBORO TIE - CUSTOMER DELIVERY 44KV TRANSMISSION LINE**

Description: Rebuild 2.5 miles of the Oakboro Tie - Customer Delivery 44kV Line to double circuit  
and establish a new 100 kV line out of Oakboro Tie with 556 ACSR rated at 120 °C

Supporting  
Statement: To support additional customer growth in the region

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In-Service  
Year: 2025

Project Name: **SCE&G (SALUDA DAM) - NEWBERRY TIE 100 KV TRANSMISSION LINES**

Description: Rebuild the SCE&G (Saluda Dam) - Newberry Tie 100 kV Line up to the change of  
ownership with SCE&G with 1272 ACSR at 120°C

Supporting  
Statement: Support future solar generation in the area and address potential contingency loading  
conditions on the SCE&G (Saluda Dam) - Newberry Tie 100 kV

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In-Service  
Year: 2025

Project Name: **WILKES TIE 230 KV SUBSTATION**

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.

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In-Service  
Year: 2026

Project Name: **BOYD SWITCHING STATION**

Description: Construct a new 230 kV switching station along the Marshall Steam Station - Longview Tie 230 kV transmission line

Supporting  
Statement: The Marshall Steam Station - Longview Tie 230 kV Transmission Lines can overload under contingency

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In-Service  
Year: 2026

Project Name: **BUSH RIVER TIE - LAURENS TIE 100 KV TRANSMISSION LINES**

Description: Rebuild the full 29 miles of the Bush River Tie - Laurens Tie 100 kV double circuit line with 1272 ACSR at 120°C

Supporting  
Statement: Support future solar generation in the area and address potential contingency loading conditions on the Bush River Tie - Laurens Tie 100 kV Transmission Line

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In-Service  
Year: 2026

Project Name: **CRETO TIE TO CORONACA TIE 100 KV TRANSMISSION LINE**

Description: Rebuild and add a second circuit to 13 miles of the single circuit Creto Tie to Coronaca Tie 100 kV transmission Line with 954 ACSR at 120°C.

Supporting  
Statement: The Creto Tie - Coronaca Tie 100 kV transmission line can overload under contingency

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In-Service  
Year: 2026

Project Name: **DIXON SCHOOL RD - CUSTOMER DELIVERY 230 KV TRANSMISSION LINE**

Description: Construct a new 1.3 mile 230 kV line from Dixon School Rd to a customer delivery station with 954 ACSR rated at 120 °C

Supporting  
Statement: To support additional customer growth in the region

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In-Service  
Year: 2026

Project Name: **HAAS CREEK SWITCHING STATION**

Description: Construct a new 230kV switching station along the Orchard Tie - Longview Tie 230 kV transmission line

Supporting Statement: The Orchard Tie - Longview Tie 230 kV Transmission Lines can overload under contingency

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In-Service  
Year: 2026

Project Name: **LEE STEAM STATION - SHADY GROVE TIE 100 KV TRANSMISSION LINE (PIEDMONT CIRC**

Description: Rebuild the entire Lee Steam Station - Shady Grove 100 kV Transmission Line (Piedmont circuits) with 1158 ACSS/TW at 200°C

Supporting Statement: The Lee Steam Station - Shady Grove 100 kV Transmission Lines can overload under contingency

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In-Service  
Year: 2026

Project Name: **LYLE CREEK SWITCHING STATION**

Description: Construct a new 100 kV switching station along the Hickory Tie - Lookout Tie 100 kV Transmission Lines.

Supporting Statement: Hickory Tie - Lookout Tie 100 kV Transmission Lines can overload under contingency

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In-Service  
Year: 2026

Project Name: **NORTH GREENSBORO TIE - GREENSBORO MAIN 100 KV TRANSMISSION LINES**

Description: Rebuild both of the North Greensboro Tie - Greensboro Main 100 kV Transmission Lines with 1158 ACSS/TW at 200°C

Supporting  
Statement: The North Greensboro - Greensboro Main 100 kV Transmission Lines can overload under contingency

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In-Service  
Year: 2026

Project Name: **OAKVALE TIE - EAST GREENVILLE TIE 100 KV TRANSMISSION LINE**

Description: Rebuild 4.5 miles (East Greenville to Verdae Retail) of the Oakvale Tie - East Greenville Tie 100 kV Double Circuit line with 1272 ACSR at 120°C

Supporting  
Statement: The Oakvale Tie - East Greenville Tie 100 kV Transmission Line can overload under contingency

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In-Service  
Year: 2026

Project Name: **WYLIE SWITCHING STATION - WOODLAWN TIE 100 KV TRANSMISSION LINE**

Description: Reconductor 8 miles (Wylie Tie to Arrowood Retail) of the Wylie Tie - Woodlawn Tie 100 kV double circuit transmission line with bundled 477 ACSR at 120°C.

Supporting  
Statement: The Wylie Tie - Woodlawn Tie 100 kV transmission line can overload under contingency

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In-Service  
Year: 2027

Project Name: **HANDS MILL SWITCHING STATION**

Description: Construct a new 230 kV switching station along the Newport Tie - Catawba Nuclear 230 kV transmission lines

Supporting  
Statement: Newport Tie - Catawba Nuclear 230 kV Transmission Lines can overload under contingency

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In-Service  
Year: 2027

Project Name: **LANCASTER MAIN - MONROE MAIN 100KV TRANSMISSION LINE**

Description: Rebuild 23.8 miles of Lancaster Main - Monroe Main 100 kV double circuit transmission line with 1158 ACSS/TW rated at 200°C

Supporting  
Statement: Lancaster Main - Monroe Main 100 kV transmission line can overload under contingency

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In-Service  
Year: 2027

Project Name: **STATESVILLE TIE - MOORESVILLE TIE 44KV TRANSMISSION LINE**

Description: Rebuild 7.9 miles (Statesville Tie - Perth Rd Retail Tap) of the Statesville Tie - Mooresville Tie 44kV line with 954 ACSR rated at 120 °C as double circuit, establishing a new 100 kV circuit out of Statesville Tie

Supporting  
Statement: The existing Statesville Tie - Mooresville Tie 44kV Line can overload

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In-Service  
Year: 2029

Project Name: **NEWPORT TIE - MORNING STAR TIE 230 KV TRANSMISSION LINE**

Description: Add a second circuit to the Newport Tie - Morning Star Tie 230 kV Transmission Line by relocated the existing 100 kV circuit on the structures to a new 100 kV corridor, and adding additional 954 ACSR conductors to complete the new circuit.

Supporting  
Statement: Existing Newport Tie - Morning Star Tie 230 kV Transmission Line can overload under contingencies

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In-Service  
Year: 2030

Project Name: **NORTH GREENVILLE TIE TO PISGAH TIE 100 KV TRANSMISSION LINE**

Description: Rebuild 11.5 miles (North Greenville Tie to Marietta Tie) of the North Greenville Tie - Pisgah Tie 100 kV transmission line with 1272 ACSR at 120°C.

Supporting  
Statement: The North Greenville Tie - Pisgah Tie 100 kV transmission can overload under contingencies

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In-Service  
Year: 2032

Project Name: **MORNING STAR TIE EXPANSION**

Description: Expand the 230 kV switchyard at Morning Star Tie to a full breaker and a half configuration and replace all three existing autobanks with new 230/100/44 kV 448MVA transformers.

Supporting  
Statement: The addition of a second Sandy Ridge circuit requires the expansion of the 230 kV at Morning Star Tie. The existing banks at Morning Star can overload under contingencies

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In-Service  
Year: 2034

Project Name: **DAN RIVER STEAM - NORTH GREENSBORO TIE 100 KV TRANSMISSION LINES**

Description: Rebuild the entire Dan River Steam - North Greensboro 100 kV Transmission Lines (25.9 miles) with 1272 ACSR rated at 120 °C Project listed as conceptual in the local transmission plan. Need date may shift in future.

Supporting Statement: The Dan River Steam - North Greensboro Tie 100 kV Transmission Lines can overload under contingency

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In-Service  
Year: 2034

Project Name: **DAN RIVER STEAM - SADLER TIE 100 KV TRANSMISSION LINES (REIDSVILLE CIRCUITS)**

Description: Rebuild the entire Dan River Steam - Sadler Tie 100 kV Transmission Lines (Reidsville Circuits - 8.1 miles) with 1272 ACSR rated at 120 °C Project listed as conceptual in the local transmission plan. Need date may shift in future.

Supporting Statement: The Dan River Steam - Sadler Tie 100 kV Transmission Lines (Reidsville Circuits) can overload under contingency

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In-Service  
Year: 2034

Project Name: **DAN RIVER STEAM - SADLER TIE 100 KV TRANSMISSION LINES (WOLF CREEK CIRCUITS)**

Description: Rebuild the entire Dan River Steam - Sadler Tie 100 kV Transmission Lines (Wolf Creek Circuits - 8.2 miles) with 1272 ACSR rated at 120 °C

Supporting Statement: The Dan River Steam - Sadler Tie 100 kV Transmission Lines (Wolf Creek Circuits) can overload under contingency

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In-Service  
Year: 2034

Project Name: **HARRISBURG TIE - AMITY SWITCHING STATION 100 KV TRANSMISSION LINES**

Description: Rebuild 6.45 miles (Harrisburg Tie to Structure 52.0) of the Harrisburg Tie - Amity Switching Station 100 kV Transmission line with 1272 ACSR at 120°C Project listed as conceptual in the local transmission plan. Need date may shift in future.

Supporting Statement: The Harrisburg Tie - Amity Switching Station 100 kV Transmission Lines can overload under contingency

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In-Service  
Year: 2034

Project Name: **HARRISBURG TIE - CONCORD MAIN 100 KV TRANSMISSION LINES**

Description: Rebuild 5.6 miles (Concord Main to Customer) of the Harrisburg Tie - Concord Main 100 kV double circuit transmission line with 1272 ACSR at 120°C Project listed as conceptual in the local transmission plan. Need date may shift in future.

Supporting Statement: The Harrisburg Tie - Concord Main 100 kV Transmission Lines can overload under contingency

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In-Service  
Year: 2034

Project Name: **LOOKOUT TIE - MARSHALL STEAM 44 KV TRANSMISSION LINE**

Description: Rebuild the Lookout Tie - Marshall Steam 44 kV Transmission line as double circuit with 954 ACSR rated at 120 °C. Establish a 100 kV circuit served out of Lookout Tie Project listed as conceptual in the local transmission plan. Need date may shift in futu

Supporting Statement: The Lookout Tie - Marshall Steam 44kV Transmission line can experience Thermal and Voltage issues under periods of extreme loading

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In-Service  
Year: 2034

Project Name: **MARSHALL STEAM STATION - BOYD SWITCHING STATION 230 KV TRANSMISSION LINE**

Description: Rebuild the entire 15 miles of the Marshall Steam to Boyd Switching Station 230 kV Line with bundled 1272 ACSR conductor rated at 120°C Project listed as conceptual in the local transmission plan. Need date may shift in future.

Supporting Statement: The Marshall Steam - Boyd Switching Station 230 kV T.L. can overload under contingency

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In-Service  
Year: 2034

Project Name: **MCGUIRE NUCLEAR STATION - MARSHALL STEAM STATION 230 KV TRANSMISSION LIN**

Description: Rebuild the entire McGuire Nuclear Station - Marshall Steam Station 230 kV Transmission lines with 1533 ACSS/TW rated at 200°C Project listed as conceptual in the local transmission plan. Need date may shift in future.

Supporting Statement: The McGuire Nuclear Station - Marshall Steam Station 230 kV Transmission lines can overload under contingency

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In-Service  
Year: 2034

Project Name: **ORCHARD TIE - HICKORY TIE 100 KV TRANSMISSION LINES**

Description: Rebuild 4.4 miles (Orchard Tie - Newton Tie Tap) of the Orchard Tie to Hickory Tie 100 kV Transmission Line with 1272 ACSR conductor rated at 120 °C Project listed as conceptual in the local transmission plan. Need date may shift in future.

Supporting Statement: The Orchard Tie - Hickory Tie 100 kV T.L. can overload under contingency

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In-Service Year: 2034

Project Name: **PARKWOOD TIE - CUSTOMER STATION 100 KV TRANSMISSION LINE**

Description: Extend the Parkwood Tie - Customer Station 8.75 miles and network with East Durham Tie. Conductor for the extension will be 1272 ACSR conductor rated at 120 °C Project listed as conceptual in the local transmission plan. Need date may shift in future.

Supporting Statement: To help address thermal loading issues throughout the region around Parkwood Tie, the Parkwood Tie - Customer Station will be extended and networked with East Durham Tie

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In-Service Year: 2034

Project Name: **STAMEY TIE - LOOKOUT TIE 100 KV TRANSMISSION LINE**

Description: Rebuild 5.4 miles (Lookout Tie - Customer Delivery) of the Stamey Tie - Lookout Tie 100 kV transmission line with bundled 954 ACSR rated at 120 °C

Supporting Statement: The Stamey Tie - Lookout Tie 100 kV T.L. can overload under contingency

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In-Service Year: 2034

Project Name: **STAMEY TIE - STATESVILLE TIE 100 KV TRANSMISSION LINE**

Description: Rebuild the entire 6 miles of the Stamey Tie - Statesville Tie 100 kV Transmission line with 1272 ACSR conductor rated at 120 °C Project listed as conceptual in the local transmission plan. Need date may shift in future.

Supporting Statement: The Stamey Tie - Statesville Tie 100 kV T.L. can overload under contingency

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In-Service  
Year: 2034

Project Name: **STONEWATER TIE - WESTFORK SWITCHING STATION 100 KV TRANSMISSION LINES**

Description: Rebuild 3 miles (Wildcat Tie to Westfork Switching Station) of the Stonewater Tie - Westford Switching Station 100 kV Transmission Line with 1272 ACSR at 120°C Project listed as conceptual in the local transmission plan. Need date may shift in future.

Supporting Statement: The Stonewater Tie - Westfork Switching Station 100 kV transmission line can overload under contingency

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In-Service  
Year: 2034

Project Name: **TIGER TIE - CAMPOBELLO TIE 100 KV TRANSMISSION LINE**

Description: Rebuild the entire 11.8 miles of the Tiger Tie - Campobello Tie 100 kV transmission Line with 1272 ACSR conductor rated at 120 °C Project listed as conceptual in the local transmission plan. Need date may shift in future.

Supporting Statement: The Tiger Tie - Campobello Tie 100 kV T.L. can overload under contingency

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In-Service  
Year: 2034

Project Name: **WOODRUFF TIE - CUSTOMER DELIVERY 100 KV TRANSMISSION LINE**

Description: Construct a new 1.3 mile 100 kV line from Woodruff Tie to a new customer delivery with 477 ACSS/TW rated at 200°C Project listed as conceptual in the local transmission plan. Need date may shift in future.

Supporting Statement: To support additional customer growth in the region

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In-Service  
Year: 2024

Project Name: **CAMDEN - CAMDEN DUPONT 115KV LINE, RECONDUCTOR**

Description: Rebuild Camden – Camden Dupont 115kV line with 795 ACSS/TW.

Supporting  
Statement: Various solar studies performed have shown the need to upgrade this line. This upgrade is needed for future solar generation proposed for compliance with the Carbon Plan goals.

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In-Service  
Year: 2024

Project Name: **FAYETTEVILLE – FAYETTEVILLE DUPONT 115 KV LINE, REBUILD 3.2 MILE SECTION**

Description: Reconductor the Hope Mills Church St.-Roslin Solar section (3.2 miles) of the Fayetteville – Fay. DuPont SS 115 kV line with 795 ACSS/TW conductor.

Supporting  
Statement: Fayetteville – Fayetteville Dupont 115 KV Line Overloads under contingency

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In-Service  
Year: 2024

Project Name: **HAVELOCK 230/115, BANK #2, REPLACE**

Description: This project consists of replacing the existing 230/115 bank #2 at the Havelock substation.

Supporting  
Statement: Failure of either Havelock 230/115kV transformer plus the Havelock-Newport 230kV line overloads the #2 Havelock transformer.

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In-Service  
Year: 2025

Project Name: **ERWIN - FAYETTEVILLE 115 KV LINE, RECONDUCTOR TWO SECTIONS**

Description: This project consists of rebuilding the SREMC Wade – Beard – Slocomb Tap portions of the Erwin – Fayetteville 115 kV Line using 795 ACSS/TW conductor or equivalent (approximately 9 miles).

Supporting Statement: Approved DEP upgrade through NCUC as part of the plan to reach goals for renewable generation detailed in the Carolinas Carbon Plan.

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In-Service  
Year: 2025

Project Name: **ROCKY MOUNT – BATTLEBORO 115 KV LINE, RECONDUCTOR**

Description: Reconductor the entire Rocky Mount – VEPCO Battleboro 115 kV line, 8.54 miles, with 3-795 MCM ACSS/TW conductor.

Supporting Statement: With generation in the PJM queue, the NERC P7 outage of both Rocky Mount – Hathaway 230 kV lines overloads the Rocky Mount – VEPCO Battleboro 115 kV line.

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In-Service  
Year: 2025

Project Name: **WEATHERSPOON - MARION 115 KV LINE, UPGRADE**

Description: Reconductor a 6.45 mile section of the Weatherspoon - Marion 115kV line from LREMC Hog Swamp to Fairmont tap with 795 ACSS/TW conductor.

Supporting Statement: Approved DEP upgrade through NCUC as part of the plan to reach goals for renewable generation detailed in the Carolinas Carbon Plan.

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In-Service  
Year: 2026

Project Name: **CAMDEN JUNCTION - WATEREE 115 KV LINE, REBUILD**

Description: This project consists of rebuilding the Camden Junction – Wateree 115 kV Line using 795 ACSS/TW conductor or equivalent (approximately 5.27 miles).

Supporting  
Statement: Various solar studies performed have shown the need to upgrade this line. This upgrade is needed for future solar generation proposed for compliance with the Carbon Plan goals. With additional solar generation in DEP, outage of a section of the Camden – Camden Junction 115 kV line can overload this section of the Camden Junction – Wateree 115 kV Line.

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In-Service  
Year: 2026

Project Name: **CAPE FEAR PLANT - WEST END 230 KV LINE, REBUILD**

Description: This project consists of rebuilding the 1272 ACSR portions of the Cape Fear – West End 230 kV Line using 6-1590 MCM ACSR conductor (approximately 26.6 miles). Raise the 2515 ACSR sections to 212F maximum operating temperature (approximately 4.5 miles). Upgrade switches and terminal equipment.

Supporting  
Statement: Various solar studies performed have shown the need to upgrade this line. This upgrade is needed for future solar generation proposed for compliance with the Carbon Plan goals. With additional solar generation in southern DEP, outage of the Cumberland-Wake 500 kV line can overload the Cape Fear – West End 230 kV line.

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In-Service  
Year: 2026

Project Name: **CARTHAGE 230 KV SUBSTATION, CONSTRUCT AND LOOP-IN CAPE FEAR-WEST END 230**

Description: Construct a new 230/115 kV substation near the existing Carthage 115 kV substation. Loop in the existing Cape Fear–West End 230 kV line and West End–Southern Pines 115 kV feeder. The new Carthage 230–West End 115 kV line will be normally open at Carthage 230kV.

Supporting  
Statement: Various contingencies cause overloads and low voltages in the area.

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In-Service  
Year: 2026

Project Name: **CASTLE HAYNE-FOLKSTONE 115KV LINE, REBUILD**

Description: Rebuild approximately 25.91 miles of 115 kV line with 1272 MCM ACSR or equivalent.

Supporting  
Statement: By winter 2026/27, an outage of the Castle Hayne – Folkstone 230 kV line will cause the Castle Hayne 230 kV Sub-Folkstone 115 kV line to overload. This project will mitigate the overload problem.

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In-Service  
Year: 2026

Project Name: **ERWIN - FAYETTEVILLE EAST 230 KV LINE, REBUILD**

Description: Reconductor 23 miles of the Erwin - Fayetteville East 230 kV Line

Supporting  
Statement: Various solar studies performed have shown the need to upgrade this line. This upgrade is needed for future solar generation proposed for compliance with the Carbon Plan goals. With additional solar generation in southern DEP, outage of the Cumberland-Wake 500 kV line can overload the Erwin – Fayetteville East 230 kV line.

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In-Service  
Year: 2026

Project Name: **FAYETTEVILLE - FAYETTEVILLE DUPONT 115 KV LINE, REBUILD**

Description: This project consists of rebuilding the Fayetteville - Hope Mills Church St section of the Fayetteville – Fayetteville Dupont 115 kV Line using 795 ACSS/TW conductor or equivalent (approximately 4.9 miles).

Supporting  
Statement: Various solar studies performed have shown the need to upgrade this line. This upgrade is needed for future solar generation proposed for compliance with the Carbon Plan goals. With additional solar generation in southern DEP, outage of a section of the Weatherspoon – Fayetteville 230 kV line can overload this section of the Fayetteville – Fayetteville Dupont 115 kV line.

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In-Service  
Year: 2026

Project Name: **HOLLY RIDGE NORTH 115 KV SWITCHING STATION, CONSTRUCT**

Description: Construct a new 115kV Switching Station northeast of Holly Ridge, NC where the Castle Hayne-Folkstone 115kV and Folkstone-Jacksonville City 115kV lines come together. Construct a new 115kV feeder from the new switching station to JOEMC Folkstone POD.

Supporting Statement: By winter 2026-27, the NERC P2-1 opening of the Folkstone end of the Castle Hayne-Folkstone 115 kV line results in low voltages at stations on this line.

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In-Service  
Year: 2026

Project Name: **MILBURNIE 230 KV SUBSTATION, UPGRADE**

Description: This project consists of adding redundant bus protection at Milburnie 230 kV Substation.

Supporting Statement: Various solar studies have shown the need for this upgrade. This upgrade is needed for future solar generation proposed for compliance with the Carbon Plan goals. With additional solar generation in eastern DEP, a Milburnie 230 kV bus fault with relay failure can overload a section of the Clayton Industrial – Selma 115 kV line.

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In-Service  
Year: 2026

Project Name: **ROBINSON - ROCKINGHAM 230 KV LINE, REBUILD**

Description: This project consists of rebuilding portions of the Robinson – Rockingham 230 kV Line using 6-1590 MCM ACSR conductor or equivalent (approximately 19 miles).

Supporting Statement: Various solar studies performed have shown the need to upgrade this line. This upgrade is needed for future solar generation proposed for compliance with the Carbon Plan goals. With additional solar generation in DEP, outage of section of the Bennettsville – Laurinburg 230 kV line can overload these sections of the Robinson - Rockingham 230 kV Line.

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In-Service  
Year: 2026

Project Name: **WEATHERSPOON – LOF 115 KV LINE (MAXTON-PEMBROKE), RECONDUCTOR**

Description: Reconductor with 795 MCM ACSR or equivalent from Maxton to Pembroke 115 kV substation which is approximately 9 miles. Replace the existing 600A switch (45-2) with a 1200A switch.

Supporting Statement: By winter 2026/27, with a Brunswick Unit down, loss of the Weatherspoon-Laurinburg 230 kV Line will cause the Maxton-Pembroke section of the Weatherspoon-LOF 115 kV Line to overload.

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In-Service  
Year: 2026

Project Name: **WEATHERSPOON – LOF 115 KV LINE (WEATHERSPOON-LREMC WEST LUMBERTON), RE**

Description: Reconductor Weatherspoon-LREMC West Lumberton section approximately 9 miles of Weatherspoon - LOF 115 kV line.

Supporting Statement: The Weatherspoon-LREMC West Lumberton section of the Weatherspoon-LOF 115 kV line overloads for various P1, P2, P3, & P5 outages.

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In-Service  
Year: 2027

Project Name: **DURHAM – RTP 230 KV TRANSMISSION LINE, RECONDUCTOR ONE SECTION**

Description: Reconductor approximately 4.6 miles of 230 kV line with 6–1590 ACSR conductor.

Supporting Statement: This upgraded is needed to serve a new industrial customer load.

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In-Service  
Year: 2027

Project Name: **ROBINSON PLANT - ROCKINGHAM 115 KV LINE, REBUILD**

Description: This project consists of rebuilding the Sneedsboro Solar - Cordova - Rockingham portions of the Robinson – Rockingham 115 kV Line using 795 ACSS/TW conductor or equivalent (approximately 17 miles).

Supporting  
Statement: Approved DEP upgrade through NCUC as part of the plan to reach goals for renewable generation detailed in the Carolinas Carbon Plan.

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In-Service  
Year: 2027

Project Name: **SUMTER – SCEG EASTOVER 115 KV LINE (KINGS HWY – SHAW FIELD – EASTOVER), REC**

Description: Reconductor Sumter Kings Hwy - Shaw Field Tap and Shaw Field Tap - DESC Eastover sections of Sumter-Eastover 115 kV line to 1272 ACSR, 7.49 miles, and raise Sumter Gold Kist Tap - Str #427 to 212 F, 2.16 miles

Supporting  
Statement: Various P3 outages consisting of a double circuit line outage along with a TRM scenario with a large generator down cause the Shaw Field Tap-Eastover section of the Sumter-Eastover 115 kV line to overload.

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In-Service  
Year: 2028

Project Name: **ASHEBORO - SILER CITY 115 KV LINE, RECONDUCTOR**

Description: Reconductor 22.66 mi of the entire Asheboro – Siler City 115 kV Line

Supporting  
Statement: This upgrade is needed for the addition of new economic development loads.

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In-Service  
Year: 2028

Project Name: **BRUSH CREEK 230 KV SUB, ADD STATIC VAR COMPENSATOR**

Description: Add SVC to Brush Creek 230 kV Sub

Supporting  
Statement: This upgrade is needed for the addition of new economic development loads.

---

In-Service  
Year: 2033

Project Name: **METHOD - MILBURNIE 115 KV NORTH LINE, RECONDUCTOR**

Description: Reconductor 7.32 mi (2 sections) of the Method – Milburnie 115 kV North line.

Supporting  
Statement: Various contingencies cause the Method-Raleigh Northside & the Milburnie-Raleigh Timberlake sections of the Method - Milburnie 115 kV North line to overload. A reconductor is needed for a higher summer rating.

---

In-Service  
Year: 2034

Project Name: **FALLS – FRANKLINTON (FRANKLINTON – FRANKLINTON NOVO 115 KV FEEDER), CONST**

Description: Construct new line from Franklinton – Franklinton Novo 115 kV feeder. Project listed as conceptual in the local transmission plan. Need date may shift in future.

Supporting  
Statement: Multiple contingencies cause low voltages at buses on the Franklinton-Spring Hope SS 115 kV line even after addition of the Louisburg 115 kV capacitor. Additionally, multiple contingencies cause the Falls-Wake EMC POD section of the Falls-Franklinton 115 kV West Line to overload.

---

In-Service  
Year: 2034

Project Name: **ROCKINGHAM – WEST END 230 KV WEST LINE, RECONDUCTOR**

Description: Reconductor the Rockingham-Wadesboro Tap section (7.96 miles) of the Rockingham – West End 230 kV West line. Project listed as conceptual in the local transmission plan. Need date may shift in future.

Supporting  
Statement: Various outages consisting of a double circuit line outage or single line section outage along with a TRM scenario with a large generator down cause the Rockingham-Wadesboro Tap section of the Rockingham – West End 230 kV West line to overload.

---

PRELIMINARY

In-Service  
Year: 2024

Project Name: **CRAGGY-ENKA 230 KV TRANSMISSION LINE**

Description: Construct approximately 10.0 miles of new 230 kV transmission line from the Craggy 230 kV substation to the Enka 230 kV substation with 3-1590 MCM ACSR or equivalent.

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

---

In-Service  
Year: 2026

Project Name: **ASHEVILLE PLANT – OTEEN WEST 115 KV TRANSMISSION LINE, ARDEN TAP**

Description: This project consists of constructing approximately 2 miles of 1272 MCM ACSR tap line, double circuited with the East line, from structure #2 on the Asheville Plant-Oteen 115kV West line to Arden 115 kV Substation on the Asheville Plant-Oteen 115kV East line. Existing right-of-way is to be utilized. The Arden 115kV Substation will be connected to this new tap line.

Supporting  
Statement: By winter 2024/25, loss of the Asheville Plant terminal of the Asheville Plant-Oteen 115kV East line will produce voltages on the line below Planning criteria. This project will mitigate this issue.

---

PRELIMINARY

In-Service  
Year: 2025

Project Name: **BLUE LICK TO CEDAR GROVE TAP 161KV TRANSMISSION LINE**

Description: Replace 0.1 miles of 795MCM 61XAA, 4.6 miles of 500MCM 19XCU conductor, and 795MCM 61XAA line risers and jumper in the Blue Lick to Cedar Grove 161kV line with 795MCM 26X7 ACSR or better.

Supporting  
Statement: The Blue Lick to Cedar Grove Tap 161kV transmission line overloads.

---

In-Service  
Year: 2025

Project Name: **MIDDLETOWN TO BUCKNER 345KV TRANSMISSION LINE**

Description: Replace the 345kV 2000A breakers associated with the Middletown to Buckner 345kV line with 3000A breakers.

Supporting  
Statement: The Middletown to Buckner 345kV line overloads under contingency.

---

In-Service  
Year: 2026

Project Name: **PINEVILLE SW TO ARTEMUS 161KV TRANSMISSION LINE**

Description: Replace the 600 amp switches (149-814L & 149-814B) at Pineville Switch associated with Pineville Sw-Artemus 161kV line and breaker 149-814 with 1200 amp switches.

Supporting  
Statement: The Pineville Sw to Artemus 161kV line overloads under contingency.

---

In-Service  
Year: 2028

Project Name: **BULLITT CO TO CEDAR GROVE TAP 161KV TRANSMISSION LINE**

Description: Replace 1.6 miles of 795MCM 61XAA, on the Bullitt Co to Cedar Grove 161kV line with 795MCM 26X7 ACSR or better.

Supporting  
Statement: The Bullitt Co to Cedar Grove Tap 161kV transmission line overloads.

---

In-Service  
Year: 2033

Project Name: **ARTEMUS TAP TO FARLEY 161KV TRANSMISSION LINE**

Description: Increase the Maximum Operating Temperature of 12.77 miles of 556.5 MCM 26x7 ACSR in the Artemus tap to Farley 161 kV line from 155F to 170F.

Supporting  
Statement: The Artemus Tap to Farley 161kV line overloads under contingency.

---

In-Service  
Year: 2033

Project Name: **NORTHSIDE TO CLIFTY TAP 138KV TRANSMISSION LINE**

Description: Increase the Maximum Operating Temperature of the 336.4 MCM 26x7 ACSR of the Northside to Clifty Tap 138V from 176F to 212F.

Supporting  
Statement: The Northside to Clifty Tap 138kV line overloads under contingency.

---

In-Service  
Year: 2034

Project Name: **ARETMUS TAP TO PINEVILLE SW 161KV TRANSMISSION LINE**

Description: Increase the Maximum Operating Temperature of 7.53 miles of 556.5 ACSR conductor in the Artemus tap to Pineville Sw 161 kV line from 176F to 212F.

Supporting  
Statement: The Artemus Tap to Pineville Sw 161kV line overloads under contingency.

---

In-Service  
Year: 2034

Project Name: **JEFFERSONTOWN TO WATTERSON 138KV TRANSMISSION LINE**

Description: Replace 138 kV terminal equipment rated less than or equal to 1192 Amps (285 MVA) summer emergency rating associated with the Jefferson to Watterson 138 kV line with equipment capable of a minimum of 1451 Amps (347 MVA) summer emergency rating.

Supporting  
Statement: The Jeffersontown to Watterson 138kV line overloads under contingency.

---

In-Service  
Year: 2034

Project Name: **MIDDLETOWN TO MIDDLETOWN R 138KV TRANSMISSION LINE**

Description: Replace 138kV terminal equipment rated less than or equal to 1083 Amps (259 MVA) summer emergency rating associated with the Middletown to Middletown R 138kV line with equipment capable of a minimum of 1200 Amps (287 MVA) summer emergency rating.

Supporting  
Statement: The Middletown to Middletown R 138kV line overloads under contingency.

---

In-Service  
Year: 2034

Project Name: **MIDDLETOWN TO TRIMBLE CO 345KV TRANSMISSION LINE**

Description: Replace the 345 kV 2000A breakers and terminal equipment at Middletown and Trimble Co associated with the Middletown to Trimble Co 345 kV line (circuit 4541) with equipment capable of at least 2293A (1370 MVA) Summer Emergency.

Supporting  
Statement: The Middletown to Trimble County 345kV line overloads under contingency.

---

PRELIMINARY

In-Service  
Year: 2025

Project Name: **ELSANOR-MIFLIN 115KV SECOND LINE**

Description: Construct approximately 12 miles of new 115kV transmission line from Elnanor to Miflin with 795 ACSR/AW at 100°C.

Supporting  
Statement: The existing Elnanor-Miflin 115kV transmission line overloads under contingency.

---

In-Service  
Year: 2025

Project Name: **EREC 115KV CONVERSION**

Description: This project will convert 21.36 miles of 46kV transmission to 115kV operation. Three 46kV distribution delivery points will also be upgraded to 115kV service as part of the project.

Supporting  
Statement: To support additional load growth in the area.

---

In-Service  
Year: 2025

Project Name: **GRACEVILLE - HOLMES CREEK 115KV TRANSMISSION LINE**

Description: Construct approximately 1.08 miles of new 115 kV transmission line from PowerSouth's Graceville Switching Station to FPL's Homes Creek Station using 795 ACSR conductor at 100°C design operating temperature.

Supporting  
Statement: Improves voltage support for delivery points on PowerSouth system in the area.

---

In-Service  
Year: 2028

Project Name: **GASKIN – SOUTHPORT 115 KV TRANSMISSION LINE**

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.

---

PRELIMINARY

In-Service  
Year: 2025

Project Name: **ABBEVILLE TS - GEORGE DAM 115 KV TRANSMISSION LINE**

Description: Reconductor approximately 9.5 miles of 397 ACSR at 100 °C of the Abbeville TS to George Dam 115 kV TL to 397 ACSS at 200° C

Supporting  
Statement: Provides additional operational and maintenance flexibility, which increases reliability.

---

In-Service  
Year: 2025

Project Name: **ADAMSVILLE - JACK MCDONOUGH 230KV TRANSMISSION LINE REBUILD**

Description: Rebuild the entire Adamsville - Jack McDonough 230kV line (6.1 miles).

Supporting  
Statement: The project provides necessary operational flexibility, and resolves an overload on the Adamsville - Jack McDonough 230kV line under contingency.

---

In-Service  
Year: 2025

Project Name: **ALCOVY ROAD - SKC 115KV REBUILD**

Description: Reconductor approximately 0.54 miles of the Alcovy Road - SKC 115kV line.

Supporting  
Statement: The Alcovy Road - SKC 115kV transmission line overloads under contingency.

---

In-Service  
Year: 2025

Project Name: **ANTHONY SHOALS - WASHINGTON 115KV LINE REBUILD**

Description: Rebuild approximately 21 miles of the Anthony Shoals – Washington 115kV line.

Supporting  
Statement: The Anthony Shoals – Washington 115kV line overloads under contingency.

---

In-Service  
Year: 2025

Project Name: **ANTHONY SHOALS STATCOM SYSTEM**

Description: Install a STATCOM at the Anthony Shoals substation.

Supporting  
Statement: This project address increasing generation output at Russell Dam (SEPA).

---

In-Service  
Year: 2025

Project Name: **AULTMAN ROAD - BONAIRE PRIMARY 115KV RECONDUCTOR**

Description: Reconductor approximately 1.99 miles of the Aultman Road - Bonaire Primary 115kV line. Upgrade limiting elements in substations along the line.

Supporting  
Statement: The Aultman Road - Bonaire Primary 115kV line overloads under contingency.

---

In-Service  
Year: 2025

Project Name: **BONAIRE PRI-ECHECONNÉE 115KV (BONAIRE-RUSSELL PKWY) REBUILD;**

Description: Rebuild approximately 2.3 miles of the Bonaire Primary - Echeconnee 115kV line.

Supporting  
Statement: The Bonaire Primary - Echeconnee 115kV line overloads under contingency.

---

In-Service  
Year: 2025

Project Name: **BREMEN - CROOKED CREEK 115KV PROJECT**

Description: GPC: Rebuild approximately 14 miles of the Bremen - Crooked Creek 115kV line.

Supporting  
Statement: The Bremen - Crooked Creek 115kV line overloads under contingency.

---

In-Service  
Year: 2025

Project Name: **CAMDEN INDUSTRIAL PARK 230/115KV**

Description: Construct a new Camden Industrial Park 230/115kV substation with a 230/115kV auto transformer, loop in the Colerain - Thalmann 230kV line, and construct a new 115kV line to Kinlaw substation.

Supporting Statement: The project addresses several thermal constraints in the area that occur under contingency.

---

In-Service  
Year: 2025

Project Name: **CAPITOL HEIGHTS – CARTER HILL RD 115 KV TRANSMISSION LINE**

Description: Reconductor approximately 2.5 miles of 556 AAC at 75°C from Capitol Heights – Carter Hill Rd to 795 ACSR at 100°C

Supporting Statement: The Capitol Heights - Carter Hill Road 115 kV transmission line overloads under contingency.

---

In-Service  
Year: 2025

Project Name: **DEPTFORD - MAGNOLIA 115KV REBUILD**

Description: Rebuild approximately 5 miles of the Deptford - Magnolia 115kV line.

Supporting Statement: The Deptford - Magnolia 115kV line overloads under contingency.

---

In-Service  
Year: 2025

Project Name: **ECHECONNIE - WELLSTON 115KV REBUILD**

Description: Rebuild approximately 1.2 miles of the Echeconnee - Wellston 115kV line.

Supporting Statement: The Echeconnee - Wellston 115kV line overloads under contingency.

---

In-Service  
Year: 2025

Project Name: **GARRETT ROAD SWITCHING STATION - TRAE LANE NETWORK UPGRADES**

Description: Build the new Garrett Road 230kV switching station splitting the Villa Rica - West Marietta 230kV line. Build a new 230kV line (8.6 miles) from the Trae Lane substation to the Garrett Road switching substation.

Supporting  
Statement: The transmission network improvements are required to serve load growth in the area.

---

In-Service  
Year: 2025

Project Name: **GTC: EATONTON PRIMARY - LICK CREEK 115KV LINE SWITCH REPL**

Description: Replace RLB line switch on the Eatonton - Lake Oconee 115kV line with motor operator and SCADA controls.

Supporting  
Statement: Project needed to support the conversion of the 46kV North Eatonton substation to 115kV.

---

In-Service  
Year: 2025

Project Name: **GULFPORT LANDON – COOPERATIVE ENERGY LANDON TAP 115 KV TRANSMISSION LIN**

Description: Rebuild approximately 5.5 mile, 115 kV transmission line between Gulfport Landon substation and Cooperative Energy's Landon Tap with 1351 ACSR at 100°C.

Supporting  
Statement: The Gulfport Landon - Cooperative Energy's Landon Tap 115 kV overloads under contingency.

---

In-Service  
Year: 2025

Project Name: **HILL VIEW AND GRASSY HOLLOW SWITCHING STATIONS**

Description: Build two 230kV switching stations (Hill View and Grassy Hollow) looping into the Cartersville - McGrau Ford 230kV line (8.5 miles apart). Build three new 230kV lines: Hill View - Cass Pine, Cass Pine - Great Valley and Great Valley - Grassy Hollow (total 14.7 miles of new 230kV line).

Supporting Statement: The transmission network improvements are required to serve load growth in the area.

---

In-Service  
Year: 2025

Project Name: **INSTALLATION OF POWER FLOW CONTROL DEVICES AT EATONTON PRIMARY AND BRA**

Description: Installation of power flow control devices at the Eatonton Primary substation.

Supporting Statement: This project addresses multiple thermal constraints in the area that occur under contingency.

---

In-Service  
Year: 2025

Project Name: **JEFFERSON STREET#3 - NORTHWEST (WHITE) 115KV REBUILD**

Description: Rebuild approximately 1.2 miles of the Jefferson Street #3 - Northwest 115kV White line.

Supporting Statement: The Jefferson Street #3 - Northwest 115kV White line overloads under contingency.

---

In-Service  
Year: 2025

Project Name: **JESUP - LUDOWICI 115KV TRANSMISSION LINE RECONDUCTOR**

Description: Reconductor approximately 7.5 miles of the Jesup - Ludowici 115kV line.

Supporting Statement: The Jesup - Ludowici 115kV line overloads under contingency.

---

In-Service  
Year: 2025

Project Name: **LITTLE OGEECHEE 115KV : RELAY MODERNIZATION**

Description: Install additional 115kV bus current differential protection scheme for 115kV busses at Little Ogeechee.

Supporting  
Statement: The project addresses stability issues on the transmission network caused by a multiple contingency events at the Little Ogeechee substation.

---

In-Service  
Year: 2025

Project Name: **LIZARD LOPE - WESTOVER 115KV**

Description: Construct two new 115kV stations, Lizard Lope and Westover, and build a new 115kV line (approximately 19.8 miles) from Lizard Lope to Gillionville Substation.

Supporting  
Statement: The Dawson Primary - Palmyra 115kV line overloads under contingency.

---

In-Service  
Year: 2025

Project Name: **MITCHELL - NORTH TIFTON 230KV RECONDUCTOR**

Description: Reconductor approximately 35.21 miles of the Mitchell - North Tifton 230kV line.

Supporting  
Statement: The Mitchell - North Tifton 230kV line overloads under contingency.

---

In-Service  
Year: 2025

Project Name: **NORCROSS 230KV BUS 1-3 SERIES BUS TIE BREAKER INSTALLATION**

Description: Install a bus tie breaker in series with the existing bus tie breaker at Norcross substation.

Supporting  
Statement: The Norcross 230/115kV auto transformer and the Norcross #3 - Northwoods 115kV line overload under contingency.

---

In-Service  
Year: 2025

Project Name: **PALMYRA REACTOR REMOVAL**

Description: Remove reactor at Palmyra.

Supporting  
Statement: A permanent solution makes the reactor at Palmyra unnecessary.

---

In-Service  
Year: 2025

Project Name: **PINE GROVE PRIMARY 115KV DUAL STAGE CAPACITOR BANK**

Description: Install a Capacitor bank at Pine Grove Primary.

Supporting  
Statement: Project addresses voltage issues in the area due to a contingency.

---

In-Service  
Year: 2025

Project Name: **PROJECT CHRONOS TRANSMISSION SERVICE**

Description: Build approximately 3.5 miles of lines that loop in and out the new station into the Cartersville - Pinson 230kV line.

Supporting  
Statement: The transmission network upgrades under this project are required to reliably serve load growth in the Cartersville area.

---

In-Service  
Year: 2025

Project Name: **ROBINS SPRING BUS REPLACEMENT**

Description: Upgrade limiting element at Robins Spring substation.

Supporting  
Statement: The Gordon - Sandersville #1 115kV transmission line overloads under contingency.

---

In-Service  
Year: 2025

Project Name: **ROBINS SPRINGS SUBSTATION CAPACITOR BANK INSTALLATION**

Description: Install a 115kV Dual Stage capacitor bank at Robins Spring.

Supporting  
Statement: The project will address multiple low voltage constraints on the Gordon - Sandersville #1 115kV transmission line.

---

In-Service  
Year: 2025

Project Name: **SAVANNAH AREA TRANSMISSION NETWORK UPGRADES**

Description: Construct a new 230kV substation (Newton Road) to serve load growth in the area. Construct a new 230kV line from Hyundai Motors substation to Meldrim substation (approximately 9 miles). Construct a new 230kV line from Hyundai Motors substation to Newton Road substation (approximately 12.1 miles).

Supporting  
Statement: The new 230kV Newton Rd switching station and two new transmission lines are needed to serve additional load in the area.

---

In-Service  
Year: 2025

Project Name: **SILVERHILL TS 3RD AUTOBANK**

Description: Add 3rd 230/115 kV Autobank at Silverhill TS during infrastructure project.

Supporting  
Statement: The Silverhill 230/115 kV autobank overloads under contingency.

---

In-Service  
Year: 2025

Project Name: **UNION CITY - YATES 230KV WHITE LINE REBUILD**

Description: Rebuild the entire Union City - Yates 230kV White line with higher rated conductor (23.4 miles).

Supporting  
Statement: The Union City - Yates 230kV White line overloads under contingency.

---

In-Service  
Year: 2025

Project Name: **WEBB – BLAKELY (GPC) 115 KV TRANSMISSION LINE**

Description: Reconductor approximately 10.5 miles of 397 ACSS at 160 °C of the Webb to Blakely (GPC) 115kV TL to 795 ACSS at 200° C.

Supporting  
Statement: The Webb - Blakely 115 kV transmission line overloads under contingency.

---

In-Service  
Year: 2025

Project Name: **WEBB TS STATCOM**

Description: Installation of a +/- 150 Mvar STATCOM at Webb TS (230kV)

Supporting  
Statement: Provides reactive and stability support under contingency for the area.

---

In-Service  
Year: 2026

Project Name: **BASSETT CREEK – OCTAGON 115 KV TRANSMISSION LINE**

Description: Reconductor 0.89 miles of 397 ACSR 100°C to 795 ACSR 100°C from Bassett Creek TS – Fulton TS. Upgrade approximately 32 miles of 397.5 ACSR from Bassett Creek to Octagon 115 kV transmission line from 75°C to 125°C.

Supporting  
Statement: The Bassett Creek to Thomasville 115 kV transmission line overloads under contingency.

---

PRELIMINARY

In-Service  
Year: 2026

Project Name: **BIG OGEECHEE 500/230KV NEW SUBSTATION**

Description: Construct a new 500/230kV substation near Little Ogeechee. The new substation will loop in the existing McCall Road - Thalmann 500kV line and the existing Little Ogeechee - Meldrim 230kV lines. It will accommodate a new 500/230kV auto transformer and an additional 230kV connection to Little Ogeechee.

Supporting  
Statement: The 500/230kV West McIntosh auto transformers exceed their ratings under contingency.

---

In-Service  
Year: 2026

Project Name: **BLANKETS CREEK – WOODSTOCK 115KV LINE REBUILD**

Description: Rebuild the entirety of the Blankets Creek - Woodstock 115kV line with higher capability conductors.

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

---

In-Service  
Year: 2026

Project Name: **BOULEVARD - DEPTFORD 115KV REBUILD**

Description: Rebuild the entire Boulevard - Deptford 115kV line (approximately 8 miles). Replace limiting element at substation along the line.

Supporting  
Statement: The Boulevard-Deptford 115kV line overloads under contingency.

---

In-Service  
Year: 2026

Project Name: **DRESDEN - LAGRANGE PRIMARY 230KV UPGRADE & JUMPERS**

Description: Resag the Dresden - LaGrange Primary 230kV line and upgrade limiting elements at substations along the line.

Supporting  
Statement: Dresden - Lagrange Primary 230kV line overloads under contingency.

---

In-Service  
Year: 2026

Project Name: **DRESDEN 500KV BUS EXPANSION**

Description: Expand the Dresden 500kV bus to bring additional 500kV lines into the station.

Supporting  
Statement: This project will resolve multiple thermal constraints by eliminating a contingency.

---

In-Service  
Year: 2026

Project Name: **EAST POINT RELAY MODERNIZATION**

Description: Upgrade protection scheme at the East Point station.

Supporting  
Statement: The project addresses stability issues in the transmission network caused by a multiple contingency event at the East Point station.

---

In-Service  
Year: 2026

Project Name: **FAYETTEVILLE AREA TRANSMISSION NETWORK UPGRADE**

Description: Build a new 500/230kV station with two 500/230kV auto transformers. Build two new 230kV lines from the new station to serve load growth in the area.

Supporting  
Statement: The new 500/230kV substation and the new 230kV lines are needed to reliably serve load in the Fayetteville area.

---

In-Service  
Year: 2026

Project Name: **FENWICK STREET - SAND BAR FERRY 115KV (RECONDUCTOR)**

Description: Reconductor approximately 2.72 miles of the Fenwick Street - Sand Bar Ferry 115kV line.

Supporting  
Statement: The Fenwick Street - Sand Bar Ferry 115kV line overloads under contingency.

---

In-Service  
Year: 2026

Project Name: **FULLER ROAD - COLUMBUS FIRST AVE 115 KV TL RECONDUCTOR**

Description: Reconductor approximately 3 miles of 397 ACSR 115 kV TL at 100°C to 397 ACSS 26/7 at 200°C from Columbus First Ave to Phenix Lumber

Supporting  
Statement: The Fuller Road - Columbus First Avenue 115 kV transmission line overloads under contingency.

---

In-Service  
Year: 2026

Project Name: **GOAT ROCK - NORTH OPELIKA 230 KV TRANSMISSION LINE UPGRADE**

Description: Upgrade the approximately 17.2 mile section of line from North Opelika to Goat Rock to operate at 100° C

Supporting  
Statement: The Goat Rock - North Opelika 230 kV transmission line overloads under contingency.

---

In-Service  
Year: 2026

Project Name: **GOAT ROCK 230KV SWITCH & JUMPER REPLACEMENT**

Description: Upgrade limiting elements at Goat Rock substation on the Goat Rock - North Opelika 230kV line.

Supporting  
Statement: The Goat Rock - North Opelika 230kV transmission line overloads under contingency.

---

In-Service  
Year: 2026

Project Name: **GORDON - SANDERSVILLE #1 115KV TRANSMISSION LINE REBUILD**

Description: Rebuild approximately 1.87 miles of the Gordon - Sandersville #1 115kV line.

Supporting  
Statement: The Gordon - Sandersville #1 115kV transmission line overloads under contingency conditions and the base case.

---

In-Service  
Year: 2026

Project Name: **GORDON-N DUBLIN 115KV REBUILD**

Description: Rebuild approximately 5.9 miles of the Gordon - North Dublin 115kV line.

Supporting  
Statement: The Gordon - North Dublin 115kV line overloads under contingency.

---

In-Service  
Year: 2026

Project Name: **GRADY 230/115KV NEW BREAKER AND RELAY MODERNIZATION**

Description: Upgrade protection scheme, install a breaker and associated switches at Grady substation.

Supporting  
Statement: The project addresses stability issues in the transmission network caused by a multiple contingency event at Grady. It also addresses thermal overload on the Grady - Morrow 115kV White line under contingency.

---

In-Service  
Year: 2026

Project Name: **GRADY-WEST END 115KV LINE RECONDUCTOR**

Description: Reconductor the entire Grady - West End 115kV line (approximately 2.6 miles).

Supporting  
Statement: The Grady - West End 115kV line overloads under contingency.

---

In-Service  
Year: 2026

Project Name: **GRID - GAINESVILLE #2 EQUIPMENT REPLACEMENT**

Description: Replace 230/115kV auto transformers at Gainesville #2.

Supporting  
Statement: The auto transformers at Gainesville #2 overload under contingency.

---

In-Service  
Year: 2026

Project Name: **HAMMOND – WEISS DAM 115KV LINE REBUILD**

Description: Rebuild approximately 11 miles of the Hammond - Weiss Dam 115kV line.

Supporting  
Statement: Hammond - Weiss Dam 115kV line overloads under contingency.

---

In-Service  
Year: 2026

Project Name: **HOPE HULL AREA SOLUTION**

Description: Reconductor approximately 2.7 miles of 397 ACSR from Hope Hull Tap to Hyundai PT with 795 ACSS at 200°C.

Supporting  
Statement: Provides additional operational and maintenance flexibility, which increases reliability.

---

PRELIMINARY

In-Service  
Year: 2026

Project Name: **KATHLEEN AREA TRANSMISSION IMPROVEMENTS**

Description: This project covers transmission network improvements associated with a solar interconnection in the Kathleen area.

GTC:

- Build the new Big Grocery Creek 230kV switching station looping into the Kathleen - Pitts 230kV line.

GPC:

- Rebuild the Kathleen - Big Grocery Creek 230kV line (approximately 1.5 miles).  
- Rebuild the Bonaire Primary - Kathleen 230kV line (approximately 6 miles).  
- Upgrade limiting elements at substation along the Kathleen - Big Grocery Creek 230kV line.

Supporting  
Statement: The transmission network improvements are required for a new solar interconnection and delivery.

---

In-Service  
Year: 2026

Project Name: **KLONDIKE RELAY MODERNIZATION**

Description: Upgrade protection scheme at the Klondike station.

Supporting  
Statement: The project addresses stability issues in the transmission network caused by a multiple contingency event at the Klondike station.

---

In-Service  
Year: 2026

Project Name: **LAGRANGE - NORTH OPELIKA 230KV (NEW LINE)**

Description: GTC: Build a new 15 mile long 230kV line section from the LaGrange Primary substation in Georgia to the metering station near the Georgia-Alabama border

Supporting  
Statement: This project solves multiple overloads associated with unit retirements.

---

In-Service  
Year: 2026

Project Name: **LAGRANGE - NORTH OPELIKA TS NEW 230 KV TL**

Description: APC: Construct approximately 14 miles 230 kV TL between North Opelika TS & new metering station, West Point SS utilizing 1351 54/19 ACSR @ 100°C.

Supporting  
Statement: This project solves multiple overloads associated with unit retirements.

---

In-Service  
Year: 2026

Project Name: **MCINTOSH - PURRYSBURG 230KV REACTORS AND REBUILD**

Description: Install reactors on the McIntosh - Purrysburg (Black and White) 230kV tie lines at McIntosh. Rebuild 0.1 miles (GPC portion) for both lines to (2) 200C 1351ACSS.

Supporting  
Statement: The McIntosh - Purrysburg 230kV (Black & White) tie lines overload under contingencies.

---

In-Service  
Year: 2026

Project Name: **MORNING HORNET 2ND 230/115KV BANK & THUMBS UP 115KV TRANSMISSION LINE**

Description: Add a second 230/115kV auto transformer at Morning Hornet substation. Also, build a new 115kV line from Morning Hornet to Thumbs Up, approximately 2.4 miles.

Supporting  
Statement: The East Social Circle - Stanton Springs 115kV and Morning Hornet - Thumbs Up 115kV lines overload under contingency.

---

In-Service  
Year: 2026

Project Name: **MORROW 115KV RELAY UPGRADE**

Description: Upgrade protection scheme at the Morrow substation.

Supporting  
Statement: A multiple contingency event at Morrow causes stability issues in the transmission network.

---

In-Service  
Year: 2026

Project Name: **MOSS POINT EAST – PASCAGOULA BAYOU CASOTTE 115 KV TRANSMISSION LINE**

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 to Pascagoula Bayou Cassotte 115 kV transmission line.

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

---

In-Service  
Year: 2026

Project Name: **RAY PLACE RD - WASHINGTON (RAY PLACE RD - WASHINGTON 2) 115KV LINE REBUILD**

Description: Rebuild approximately 17.4 miles of the Ray Place Rd - Washington 115kV line and upgrade limiting elements at Rebuild approximately 17.4 miles of the Ray Place Rd - Washington 115kV line and upgrade limiting elements at substation along the line.

Supporting Statement: The Ray Place Rd - Washington 115kV line exceeds its thermal rating due to contingency.

---

In-Service  
Year: 2026

Project Name: **RAY PLACE RD - WASHINGTON (WASHINGTON - WASHINGTON 3) 115KV LINE REBUILD**

Description: Rebuild approximately 1.2 miles of the Ray Place Rd - Washington 115kV line. Upgrade limiting element at substation along the line.

Supporting Statement: The Ray Place Rd - Washington 115kV line exceeds its thermal rating due to contingency.

---

In-Service  
Year: 2026

Project Name: **SCOTSDALE RELAY MODERNIZATION**

Description: Upgrade protection scheme at Scottdale substation.

Supporting  
Statement: The project addresses stability issues in the transmission network caused by a multiple contingency event at the Scottdale station.

---

In-Service  
Year: 2026

Project Name: **SINAI - RECOVERY 115 KV LINE REBUILD**

Description: Rebuild 16 miles of Sinai - Recovery 115kV line using 200C 795 ACSS.

Supporting  
Statement: Sinai - Recovery 115kV line overloads under contingency.

---

In-Service  
Year: 2026

Project Name: **STONEWALL TELL ROAD NETWORK UPGRADES**

Description: Build 230kV line segment to loop in the Stonewall Tell Road customer station into the East Point - Union City 230kV Black line.

Supporting  
Statement: The project is required to serve load growth in the area.

---

In-Service  
Year: 2026

Project Name: **SUNNY SOUTH CAPACITOR BANK**

Description: Install 1 - 15 Mvar, 115 kV harmonic filter bank at Sunny South SS

Supporting  
Statement: Low voltage in the area under contingency. This project provides voltage support under contingency scenarios.

---

In-Service  
Year: 2026

Project Name: **THURLOW DAM – UNION SPRINGS 115 KV TL**

Description: Upgrade approximately 25 miles of 397 ACSR at 75°C from Union Springs to Halla Climate Tap to 100°C

Supporting  
Statement: The Thurlow Dam - Union Springs 115 kV transmission line overloads under contingency.

---

In-Service  
Year: 2026

Project Name: **UNION CITY - YATES 230KV (WHITE) SWITCH AND TRAP REPLACEMENT**

Description: Replace the limiting elements along the Union City - Yates 230kV (White) line.

Supporting  
Statement: The Union City - Yates 230kV (White) line overloads under contingency.

---

In-Service  
Year: 2026

Project Name: **WEST TECH CAPACITOR BANKS**

Description: Install two new 115kV, 15MVAR capacitors at West Tech

Supporting  
Statement: Provides additional operational and maintenance flexibility, which increases reliability.

---

In-Service  
Year: 2027

Project Name: **ADAMSVILLE - BUZZARD ROOST 230KV REBUILD AND JUMPER UPGRADE**

Description: Rebuild approximately 7.2 miles of the Adamsville - Buzzard Roost 230kV line. Upgrade limiting elements at substations along the line.

Supporting  
Statement: The Adamsville - Buzzard Roost 230kV line overloads under contingency.

---

In-Service  
Year: 2027

Project Name: **ALBERTA CITY - HOLT 115 KV TL RECONDUCTOR**

Description: Reconductor approximately 4 miles of 795 ACSR at 100°C on the Alberta City - Holt 115 kV transmission line to 795 ACSS at 200°C.

Supporting  
Statement: Provides additional operational and maintenance flexibility, which increases reliability.

---

In-Service  
Year: 2027

Project Name: **ANNISTON-BYNUM 115 KV UPGRADE**

Description: Upgrade 6.5 miles from Coldwater – Anniston from 1351 ACSS 54/19 170°C to 200°C

Supporting  
Statement: The Anniston - Bynum 115 kV transmission line overloads under contingency.

---

In-Service  
Year: 2027

Project Name: **ARKWRIGHT - LLOYD SHOALS 115KV LINE RECONDUCTOR**

Description: Rebuild the entire Arkwright - Lloyd Shoals 115kV line (35.7 miles).

Supporting  
Statement: The Arkwright - Lloyd Shoals 115kV line overloads under contingency.

---

In-Service  
Year: 2027

Project Name: **ATHENA - EAST WATKINSVILLE 115KV (REBUILD)**

Description: Rebuild approximately 2.42 miles of the Athena - East Watkinsville 115kV line.

Supporting  
Statement: The Athena - East Watkinsville 115kV line overloads under contingency.

---

In-Service  
Year: 2027

Project Name: **AUTAUGAVILLE - EAST PELHAM NEW 230 KV TRANSMISSION LINE**

Description: Construct approximately 75 miles new 230 kV transmission line bundled 795 26/7 ACSS 200°C from Autaugaville TS to East Pelham TS

Supporting  
Statement: The Bessemer – South Bessemer 230 kV transmission line overloads under contingency. Reduces multiple 230 kV line loadings and provides additional operational and maintenance flexibility, which increases reliability.

---

In-Service  
Year: 2027

Project Name: **BESSEMER – SOUTH BESSEMER 115 KV TRANSMISSION LINE**

Description: Reconductor approximately 2 miles of 115 kV TL from McAdory Tap – Airport Lane Tap from 397 ACSR to 795 ACSR 26/7 at 100C

Supporting  
Statement: The Bessemer - South Bessemer 115 kV transmission line overloads under contingency.

---

In-Service  
Year: 2027

Project Name: **DOYLE - LG&E MONROE 230KV - JACKS CREEK LOOP IN**

Description: Loop in and out the new Jack's Creek 230kV switching station into the Doyle - LG&E Monroe 230kV line.

Supporting  
Statement: Contingencies of 230kV transmission lines in the area causes several 230kV lines to overload.

---

In-Service  
Year: 2027

Project Name: **EAST MOULTRIE - HIGHWAY 112 230 KV LINE**

Description: Build approximately 27 miles of new 230kV line between HWY 112 and East Moultrie substations.

Supporting  
Statement: This project addresses thermal overloads on the Daisy - West Valdosta 230kV line and Mitchell - Raccoon Creek 230kV line under contingency.

---

In-Service  
Year: 2027

Project Name: **EAST WALTON 500/230KV PROJECT**

Description: GTC:  
- Construct the East Walton 500/230 kV substation  
- Construct the Bostwick 230 kV switching station  
- Construct the East Walton - Rockville 500 kV line  
- Construct the Bethabara - East Walton 230 kV line  
- Construct the Bostwick - East Walton 230 kV line  
- Construct the East Walton - Jack's Creek 230 kV line  
- At Bethabara, terminate the East Walton 230 kV line  
- Loop the East Social Circle - East Watkinsville 230 kV line into Bostwick  
- Replace line trap at East Watkinsville on the Bostwick 230 kV line

GPC:  
- Construct the Rockville 500 kV switching station  
- Loop the Scherer - Warthen 500 kV line into Rockville  
- Loop the Doyle - LG&E Monroe 230 kV line into Jack's Creek

MEAG:  
- Construct the Jack's Creek 230 kV switching station

Supporting  
Statement: This project addresses multiple contingencies in the area.

---

In-Service  
Year: 2027

Project Name: **EATONTON PRIMARY - LICK CREEK 115KV LINE REBUILD**

Description: Rebuild approximately 7.5 miles of the Eatonton Primary - Lick Creek 115 kV line section.

Supporting  
Statement: The Eatonton Primary - Lick Creek 115kV line conductor and structures are at the end of life and had recent maintenance issues.

---

In-Service  
Year: 2027

Project Name: **ENTERPRISE TS – PINCKARD #2 115 KV TRANSMISSION LINE**

Description: Reconductor approximately 7.5 miles of 266 ACSR at 100 °C of the Enterprise to Daleville DS to 795 ACSR at 100° C

Supporting  
Statement: The Enterprise - Pinckard #2 115 kV transmission line overloads under contingency.

---

In-Service  
Year: 2027

Project Name: **GOSHEN - KRAFT 115KV LINE REBUILD**

Description: Rebuild approximately 3.48 miles of Goshen - Kraft 115kV line.

Supporting  
Statement: The Goshen - Kraft 115kV line overloads under contingency.

---

In-Service  
Year: 2027

Project Name: **GOSHEN (SAV) - MCINTOSH 115KV REBUILD**

Description: Rebuild approximately 6.7 miles of the Goshen (Sav) - McIntosh 115kV line.

Supporting  
Statement: The Goshen (Sav) - McIntosh 115kV line overloads under contingency.

---

In-Service  
Year: 2027

Project Name: **GULLATT ROAD UPSTREAM TRANSMISSION IMPROVEMENTS**

Description: Upstream transmission improvements to serve increasing load along existing transmission lines.

Supporting  
Statement: The project is required to serve load growth in the area.

---

In-Service  
Year: 2027

Project Name: **HICKORY LEVEL - VILLA RICA 230KV LINE REBUILD**

Description: Reconductor to higher capability conductors on 8.6 miles of 230kV line.

Supporting  
Statement: The Hickory Level – Villa Rica 230kV line overloads under contingency.

---

In-Service  
Year: 2027

Project Name: **JESUP - OFFERMAN 115KV TRANSMISSION LINE RECONDUCTOR**

Description: Reconductor approximately 16 miles of the Jesup - Offerman 115kV line.

Supporting  
Statement: The Jesup - Offerman 115kV transmission line overloads under contingency.

---

In-Service  
Year: 2027

Project Name: **LAWRENCEVILLE - WINDER 115KV LINE RECONDUCTOR**

Description: Reconductor approximately 7.7 miles of the Lawrenceville - Winder 115kV line.

Supporting  
Statement: The Lawrenceville - Winder 115kV transmission line overloads under contingency.

---

In-Service  
Year: 2027

Project Name: **LAWRENCEVILLE - WINDER 230KV LINE REBUILD**

Description: Rebuild the entirety of the Lawrenceville - Winder Primary 230kV line.

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

---

In-Service  
Year: 2027

Project Name: **MORROW - YATES COMMON 115KV LINE UPGRADE**

Description: Rebuild a section of the Morrow - Yates Common 115kV line

Supporting  
Statement: Line sections on the Morrow - Yates 115kV line overload under contingency.

---

In-Service  
Year: 2027

Project Name: **NEW SOUTH HAZLEHURST - NEW LACY 230KV TRANSMISSION LINE**

Description: Build a new 230kV transmission line (approximately 25 miles) between South Hazlehurst and New Lacy.

Supporting  
Statement: The project will address multiple thermal overloads that occur under contingency.

---

In-Service  
Year: 2027

Project Name: **NORTH SELMA – SELMA #2 115 KV TRANSMISSION LINE**

Description: Rebuild approximately 17 miles of 397 ACSR at 100 °C of North Selma Tap – Vida TS 115 kV TL to 795 ACSS at 200° C

Supporting  
Statement: Provides additional operational and maintenance flexibility which then increases reliability.

---

In-Service  
Year: 2027

Project Name: **POSSUM BRANCH - YATES COMMON 115KV REBUILD**

Description: Rebuild a section of the Possum Branch - Yates 115kV line

Supporting  
Statement: The Possum Branch – Yates 115kV line overloads under contingency.

---

In-Service  
Year: 2027

Project Name: **RIDDLEVILLE BUS REPLACEMENT**

Description: Upgrade limiting element at Riddleville substation.

Supporting  
Statement: The Sandersville #1 - Wadley Primary 115kV line overloads under contingency.

---

In-Service  
Year: 2027

Project Name: **SANDERSVILLE #1 - WADLEY PRI 115KV REBUILD**

Description: Rebuild approximately 24.3 miles of the Sandersville #1 - Wadley Primary 115kV line.  
Replace limiting elements in substations along the line.

Supporting  
Statement: The Sandersville # 1 - Wadley Primary 115kV line overloads under contingency.

---

In-Service  
Year: 2027

Project Name: **SANDERSVILLE #1 - WADLEY PRIMARY 115KV TRANSMISSION LINE REBUILD**

Description: GPC: Rebuild the Sandersville #1 - Wadley Primary 115kV main line (approximately 24.3 miles) excluding the taps.  
GTC/MEAG: Upgrade limiting jumpers along the line.

Supporting  
Statement: The Sandersville #1 - Wadley Primary 115kV line overloads under contingency.

---

In-Service  
Year: 2027

Project Name: **SKC 115KV BUS AND JUMPER REPLACEMENT**

Description: Upgrade limiting elements at the SKC substation.

Supporting  
Statement: The Covington #2 - SKC 115kV line overloads under contingency.

---

In-Service  
Year: 2027

Project Name: **SWITCH WAY - THORNTON ROAD 230KV LINE RECONDUCTOR**

Description: Reconductor to higher capability conductors on a portion of the Switchway - Thornton Road 230kV line.

Supporting  
Statement: The Switch Way - Thornton Road 230kV line overloads under contingency.

---

In-Service  
Year: 2027

Project Name: **TRIBUTARY - VILLA RICA 230KV REBUILD**

Description: Rebuild a portion of the Tributary - Villa Rica 230kV line with higher capability conductors.

Supporting  
Statement: The Tributary - Villa Rica 230kV line overloads under a contingency.

---

In-Service  
Year: 2027

Project Name: **VILLA RICA - DOUGLASVILLE 230KV REBUILD**

Description: Rebuild the Villa Rica - Douglasville 230kV line with higher capability conductors.

Supporting  
Statement: The Villa Rica - Douglasville 230kV line overloads under a contingency.

---

In-Service  
Year: 2027

Project Name: **VILLA RICA - GARRETT ROAD 230KV LINE RECONDUCTOR**

Description: Reconductor approximately 14 miles of the Garrett Road - Villa Rica 230kV line

Supporting  
Statement: The Garrett Road - Villa Rica 230kV line overloads under contingency.

---

In-Service  
Year: 2028

Project Name: **ACIPCO EAF - BOYLES 230 KV TRANSMISSION LINE**

Description: Construct approximately 3 miles of 1351 54/19 ACSR at 100°C from ACIPCO EAF to Boyles TS. Reconductor approximately 1.8 miles from ACIPCO TS to ACIPCO EAF from 795 ACSR to 1351 ACSR.

Supporting  
Statement: The Boyles - Miller 230 kV transmission line overloads under contingency. Also Provides additional operational and maintenance flexibility, which increases reliability.

---

In-Service  
Year: 2028

Project Name: **ANNISTON - CROOKED CREEK 115 KV TL**

Description: Reconductor approximately 28 miles of 397 30/7 ACSR to 795 26/7 ACSR from Golden Springs DS to Crooked Creek TS 115 kV transmission line

Supporting  
Statement: Provides additional operational and maintenance flexibility, which increases reliability. In addition, the line is being reconducted due to the age and condition of the structures and conductor.

---

In-Service  
Year: 2028

Project Name: **ARLINGTON PRIMARY - HWY45/234 115KV TRANSMISSION LINE REBUILD**

Description: Rebuild approximately 42.61 miles of Arlington Primary - Lizard Lope 115kV line.

Supporting  
Statement: The Arlington Primary - Lizard Lope 115kV line overloads under contingency.

---

In-Service  
Year: 2028

Project Name: **ATKINSON - NORTHSIDE DRIVE 115KV REBUILD**

Description: Rebuild a portion of the Atkinson - Northside Drive with higher capability conductors.

Supporting  
Statement: The Atkinson - Northside Drive 115kV line overloads under a contingency.

---

In-Service  
Year: 2028

Project Name: **AULTMAN ROAD-PERRY 115KV LINE REBUILD**

Description: Rebuild approximately 0.44 miles of the PPG J2 to Langston Rd line section of the Aultman Road - Perry 115kV line.

Supporting  
Statement: The Aultman Road - Perry 115kV line overloads under contingency.

---

In-Service  
Year: 2028

Project Name: **BARNEYVILLE - EAST MOULTRIE 115KV NEW LINE**

Description: Build approximately 20 miles of a new 115kV line from Barneyville to East Moultrie.

Supporting  
Statement: The Barneyville - Pine Grove Primary 115kV line and Barneyville - Douglas 115kV line overload under contingency.

---

In-Service  
Year: 2028

Project Name: **BOSTWICK - EAST SOCIAL CIRCLE 230KV TRANSMISSION LINE RECONDUCTOR**

Description: Reconductor approximately 10.8 miles of the East Social Circle - East Watkinville 230kV line.

Supporting  
Statement: The Bostwick - East Social Circle 230kV line overloads under contingency.

---

In-Service  
Year: 2028

Project Name: **COLEMAN - DEAN FOREST 115KV LINE REBUILD**

Description: Rebuild 6.67 miles of the Coleman - Dean Forest 115kV line.

Supporting  
Statement: The Coleman - Dean Forest 115kV line overloads under contingency.

---

In-Service  
Year: 2028

Project Name: **EAST DALTON - OOSTANAULA 115KV RECONDUCTOR**

Description: Replace 636 ACSR line conductor on the East Dalton - Oostanaula 115KV line with more capable conductor.

Supporting  
Statement: The East Dalton - Oostanaula 115KV line overloads under contingency.

---

In-Service  
Year: 2028

Project Name: **EAST VILLA RICA AREA SWITCHING STATION**

Description: Build a new station to help serve load growth in the East Villa Rica Area.

Supporting  
Statement: Build a new station to help serve load growth in the East Villa Rica Area.

---

In-Service  
Year: 2028

Project Name: **ELLICOTT SUBSTATION EXPANSION PROJECT**

Description: Add 6 new 230kV terminals at Ellicott SS. Ellicott SS to become Ellicott TS. Add new 115kV station with breaker and a half configuration to support (13) - 115kV line terminations, to include a new 230/115kV autobank. Barry SP - Reconfigure substation and replace structures.

Supporting  
Statement: Upgrade existing and construct new transmission facilities to provide additional operational and maintenance flexibility, which increases reliability.

---

In-Service  
Year: 2028

Project Name: **JORDAN DAM - MARTIN DAM 115 KV TL (LINE B)**

Description: Reconductor approximately 21 miles of 397 ACSR with 795 ACSS at 200°C between Jordan Dam and Martin Dam 115 kV TL (Line B).

Supporting  
Statement: Provides additional operational and maintenance flexibility which then increases reliability.

---

In-Service  
Year: 2028

Project Name: **LEEDS TS – MOODY SS 115 KV TRANSMISSION LINE RECONDUCTOR**

Description: Reconductor approximately 5.0 miles of 795 ACSR at 100°C with 1033.5 ACSS at 200°C.

Supporting  
Statement: The Leeds to Moody 115 kV transmission line overloads under contingency.

---

In-Service  
Year: 2028

Project Name: **MAGNOLIA - TRUMAN PARKWAY 115KV RECONDUCTOR**

Description: Reconductor approximately 3 miles of the Magnolia - Truman Parkway 115kV line. Upgrade limiting elements in substations along the line.

Supporting  
Statement: The Magnolia - Truman Parkway 115kV line overloads under contingency.

---

In-Service  
Year: 2028

Project Name: **MILLER SP 500 KV SERIES BREAKER**

Description: Install a 500 kV series breaker at Miller SP

Supporting  
Statement: The Boyles - Miller 230 kV transmission line and many other transmission lines overload under contingency.

---

In-Service  
Year: 2028

Project Name: **NORTH DUBLIN 230/115KV TRANSFORMERS AND BUS-TIE BREAKER**

Description: Replace North Dublin 230/115 kV Banks A & B with (2) new 230/115 kV auto transformers. Replace North Dublin 230 kV bus tie breaker with a new breaker. Replace North Dublin 115 kV bus tie breaker with a new breaker.

Supporting  
Statement: Replacement of major equipment at North Dublin needed due to ongoing maintenance issues.

---

In-Service  
Year: 2028

Project Name: **NORTH THEODORE AREA PROJECT**

Description: Reconnector approximately 0.9 miles of the Hollinger's Island – Holcim 115kV TL to 795 ACSR at 100°C. Construct New SS near Tronox LLC.

Construct approximately 5.3 miles of 795 ACSR at 100°C 115kV TL from N. Theodore – Praxair Ta. Install new 115kV terminal at N. Theodore TS.

Supporting  
Statement: Provides additional operational and maintenance flexibility, which increases reliability.

---

In-Service  
Year: 2028

Project Name: **PLANT YATES BREAKER AND HALF STATION**

Description: Rebuild the Yates 6 & 7 substation.

Supporting  
Statement: Yates 6 & 7 needs to be rebuilt to facilitate new generation.

---

In-Service  
Year: 2028

Project Name: **SOUTH MACON 115KV BUSES 1 & 2 REPLACEMENT**

Description: Repalce the 115kV buses 1 and 2 at South Macon.

Supporting  
Statement: The 230/115kV auto transformers at South Macon overload under contingency .

---

In-Service  
Year: 2028

Project Name: **UNION CITY - YATES 230KV BLACK LINE REBUILD**

Description: Rebuild the entire Union City - Yates 230kV Black line (approximately 23.4 miles). Upgrade limiting elements at substations along the line.

Supporting  
Statement: The Union City - Yates 230kV (Black) line overloads under contingency.

---

In-Service  
Year: 2028

Project Name: **VILLA RICA UPGRADES FOR STREAM DC AND TRAMMELL CROW CC**

Description: Add a new auto transformer at Villa Rica, and loop in and out the Bowen - Union City 500kV line into Villa Rica.

Supporting  
Statement: The transmission network upgrades under this project are required to reliably serve load growth in the area.

---

In-Service  
Year: 2029

Project Name: **ALICEVILLE - STANSEL 115 KV TRANSMISSION LINE**

Description: Construct a new approximately 17-mile 115 kV TL from Aliceville TS to Stansel TS with 795 ACSR 26/7 ACSR at 100°C.

Supporting  
Statement: Provides additional operational and maintenance flexibility, which increases reliability.

---

In-Service  
Year: 2029

Project Name: **BASSETT CREEK - CALVERT - WEST MCINTOSH 230 KV LOOP-IN**

Description: Loop the existing Bassett Creek - Tensaw 230kV TL into the West McIntosh substation

Supporting  
Statement: The Barry - CAES 115 kV transmission line and the Bucks - Ellicott 230 kV transmission line overload under contingency. This loop-in alleviates those overloads.

---

In-Service  
Year: 2029

Project Name: **BAY CREEK - CONYERS 230KV REBUILD**

Description: Rebuild the Rockdale to Bay Creek segment of the Bay Creek - Conyers 230kV line.

Supporting  
Statement: The Bay Creek - Conyers 230kV line will overload under certain contingencies.

---

In-Service  
Year: 2029

Project Name: **BAY CREEK 230/115KV SECOND AUTO TRANSFORMER**

Description: Install a second auto transformer at the Bay Creek substation.

Supporting  
Statement: The Bay Creek - Monroe 115kV line overloads under contingency.

---

In-Service  
Year: 2029

Project Name: **BIG GROCERY-WESTLAKE ROAD 230KV LINE (NEW LINE)**

Description: Build the new Westlake Road 230kV switching station looping in the Bonaire Primary - South Macon 230kV and Bonaire Primary - Savage Creek 230kV lines. Also, build the new Big Grocery Creek - Westlake Road 230kV line, approximately 20 miles.

Supporting  
Statement: The transmission network improvements are required for a new solar interconnection and delivery.

---

In-Service  
Year: 2029

Project Name: **BREMEN - CROOKED CREEK 115 KV TRANSMISSION LINE**

Description: APC: Reconductor approximately 29.5 miles of 397 30/7 ACSR 100°C to 795 26/7 ACSR 100°C from Crooked Creek TS to Indian Creek Metering Station.

Supporting  
Statement: The Bremen - Crooked Creek 115 kV transmission line overloads under contingency.

---

In-Service  
Year: 2029

Project Name: **BRUMBLEY CREEK - SOUTH BAINBRIDGE 115KV (RODDENBERY TAP) TRANSMISSION LI**

Description: Rebuild approximately 2.1 miles of the South Bainbridge - Thomasville 115kV line.

Supporting  
Statement: The South Bainbridge - Thomasville 115kV line overloads under contingency.

---

In-Service  
Year: 2029

Project Name: **BUZZARD ROOST - DOUGLASVILLE 230KV REBUILD**

Description: Rebuild a portion of the Buzzard Roost - Douglasville 230kV line with a higher capability conductor.

Supporting  
Statement: The Buzzard Roost - Douglasville 230kV line overloads under a contingency.

---

In-Service  
Year: 2029

Project Name: **CENTER PRIMARY - COMMERCE PRIMARY 115 KV REBUILD**

Description: Rebuild approximately 15 miles of the Center Primary - Commerce Primary 115kV line. Replace limiting elements in substations along the line.

Supporting  
Statement: The Center Primary - Commerce Primary 115kV line overloads under contingency.

---

In-Service  
Year: 2029

Project Name: **COLEMAN - CROSSROADS PARKWAY 115KV NEW LINE**

Description: Build a new 4 miles of 115kV line from Crossroads Parkway to Coleman.

Supporting  
Statement: McIntosh auto transformer overloads under contingency.

---

In-Service  
Year: 2029

Project Name: **DRESDEN – TALBOT 500KV LINE PROJECT**

Description: Build a new of line, approximately 75 miles from Talbot substation to Dresden.

Supporting  
Statement: This strategic project will address multiple thermal overloads that occur under contingency.

---

In-Service  
Year: 2029

Project Name: **EUTAW – GREENE COUNTY 115 KV TRANSMISSION LINE**

Description: Reconductor approximately 23 miles of 115 kV TL from Eutaw TS to Greene County SP from 397 ACSR 26/7 at 100°C to 795 ACSR 26/7 at 100°C.

Supporting  
Statement: The Eutaw - Greene County 115 kV transmission line overloads under contingency.

---

In-Service  
Year: 2029

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

Description: Install a new 230/115 kV, 480 MVA transformer at Flomaton TS.

Supporting  
Statement: Provides additional operational and maintenance flexibility, which increases reliability.

---

In-Service  
Year: 2029

Project Name: **GADSDEN – GULF STATES STEEL 115 KV TRANSMISSION LINE**

Description: (1.) Reconductor approximately 2.5 miles 397 26/7 ACSR to 795 ACSR 26/7 from Gulf States Steel to Morgan’s Crossroads.  
(2.) Replace Gulf States Steel DS with a new 5-terminal, 4-breaker 115 kV ring bus SS across the street from the existing substation.  
(3.) Move the Linde Inc (Gadsden) 115 kV tap from Gulf States Steel DS to the new West Gadsden SS.

Supporting Statement: Provides additional operational and maintenance flexibility which then increases reliability. In addition, associated with replacing aging equipment at Gulf States Steel DS.

---

In-Service  
Year: 2029

Project Name: **HOLT STREET - CARTER HILL ROAD 115 KV TL**

Description: Reconductor 1.81 miles of 397 ACSR 18/1 at 100°C to 795 ACSR 45/7 ACSR at 100°C from Holt Street - Carter Hill Rd.

Supporting Statement: Provides additional operational and maintenance flexibility, which increases reliability.

---

In-Service  
Year: 2029

Project Name: **HOPEWELL 230/115 KV BANK A**

Description: Replace the Hopewell auto transformer.

Supporting Statement: The Hopewell 230/115kV auto transformer surpasses its rating under contingency.

---

In-Service  
Year: 2029

Project Name: **KETTLE CREEK PRIMARY - PINE GROVE PRIMARY 115KV REBUILD**

Description: Rebuild approximately 15.3 miles of the Kettle Creek Primary - Pine Grove 115kV line.

Supporting  
Statement: Kettle Creek - Pine Grove 115kV line overloads under contingency.

---

In-Service  
Year: 2029

Project Name: **KRAFT 230/115KV TRANSFORMER RATING INCREASE**

Description: Replace the 230kV underground cable that connects the 230/115kV autotransformer B at Kraft substation with a higher rated cable.

Supporting  
Statement: Either 230/115kV auto transformers at Kraft overload under contingency.

---

In-Service  
Year: 2029

Project Name: **MCEVER ROAD - SHOAL CREEK 115KV TRANSMISSION LINE REBUILD**

Description: Rebuild approximately 3 miles of the McEver Road - Shoal Creek 115kV line.

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

---

In-Service  
Year: 2029

Project Name: **MCMANUS - WEST BRUNSWICK 115KV RECONDUCTOR**

Description: Reconductor approximately 5.7 miles of the McManus - West Brunswick 115kV line.

Supporting  
Statement: The McManus - West Brunswick 115kV line overloads under contingency.

---

In-Service  
Year: 2029

Project Name: **MILLER - GORGAS 230 KV TL UPGRADE**

Description: Upgrade approximately 16 miles of 1351 54/19 ACSR at 100° to 125°C on the Miller - Gorgas 230 kV transmission line.

Supporting  
Statement: The Miller - Gorgas 230 kV transmission line overloads under contingency.

---

In-Service  
Year: 2029

Project Name: **MOBILE AREA NETWORKING – 3RD PATH**

Description: Construct new Dawes SS at Dawes Tap on the Big Creek – N. Theodore 115kV TL.

Supporting  
Statement: Provides additional operational and maintenance flexibility, which increases reliability.

---

In-Service  
Year: 2029

Project Name: **MORROW - MOUNTAIN VIEW 115KV LINE REBUILD**

Description: Rebuild approximately 1.7 miles of the Morrow - Mountain View 115kV line.

Supporting  
Statement: The Morrow - Mountain View 115kV line overloads under contingency.

---

In-Service  
Year: 2029

Project Name: **MOUNDVILLE SOLUTION**

Description: Construct a new 6-mile, 115kV TL, 795, 26/7 ACSS @ 200°C from Moundville TS to a new 3-way switch near structure 7 between Colonial Pipe (Moundville) and Westervelt Co, new terminal at Moundville TS, Install 1-way switch near Structure 41.

Supporting  
Statement: Provides additional operational and maintenance flexibility, which increases reliability.

---

In-Service  
Year: 2029

Project Name: **PALMYRA - SLAPPEY DRIVE 115KV LINE REBUILD**

Description: Rebuild approximately 4.33 miles of Palmyra - Slappy Drive 115kV line.

Supporting  
Statement: The Palmyra - Slappey Drive 115kV line overloads under contingency.

---

In-Service  
Year: 2029

Project Name: **ROCKY RIDGE RADIAL 115 KV TRANSMISSION LINE**

Description: Reconductor approximately 0.5 miles of 115 kV TL from Rocky Ridge Tap to Rocky Ridge DS from 4/0 ACSR at 50C to 795 ACSR 26/7 at 100C

Supporting  
Statement: Provides additional operational and maintenance flexibility, which increases reliability.

---

In-Service  
Year: 2029

Project Name: **THOMASVILLE 230/115KV AUTOBANK REPLACEMENT**

Description: Replace the 230/115kV autotransformer #4 at Thomasville substation.

Supporting  
Statement: The 230/115kV auto transformer #4 at Thomasville substation overloads under contingency.

---

In-Service  
Year: 2029

Project Name: **THURLOW DAM – UNION SPRINGS 115 KV TL**

Description: Rebuild approximately 31.5 miles of 397 ACSR at 75°C from Thurlow Dam to Union Springs to 1033 45/7 ACSR @ 100 deg C

Supporting  
Statement: The Thurlow Dam - Union Springs 115 kV transmission line overloads under contingency.

---

In-Service  
Year: 2029

Project Name: **YATES 6&7 230KV SWITCH REPLACEMENTS**

Description: Upgrade limiting elements at Yates 6&7 substation.

Supporting  
Statement: The Line Creek - Yates 230kV (Black) line and the Dresden - Yates 230kV line overload under contingency.

---

In-Service  
Year: 2030

Project Name: **ATKINSON - NORTHWEST 115KV REBUILD**

Description: Rebuild a portion of the Atkinson - Northwest 115kV line higher capability conductors.

Supporting  
Statement: The Atkinson - Northwest 115kV line overloads under a contingency.

---

In-Service  
Year: 2030

Project Name: **AUGUSTA CORPORATE PARK - VOGTLE 230KV TRANSMISSION LINE REBUILD**

Description: Rebuild approximately 14.2 miles of the Augusta Corporate Park - Vogtle 230kV line.

Supporting  
Statement: The Augusta Corporate Park - Vogtle 230kV line overloads under contingency.

---

In-Service  
Year: 2030

Project Name: **AVALON JUNCTION - BIO 115 KV REBUILD**

Description: Rebuild approximately 20.5 miles of the Avalon Junction - Bio 115 kV line.

Supporting  
Statement: The Avalon Junction - Bio 115kV line overloads under contingency.

---

In-Service  
Year: 2030

Project Name: **BAINBRIDGE TRANSMISSION: EAST RIVER ROAD AND EAST BAINBRIDGE**

Description: This project will construct a new 115kV breaker and a half substation.

Supporting  
Statement: This project is part of an overall reconfiguration of the Bainbridge area to improve the distribution reliability, transmission security and operational flexibility.

---

In-Service  
Year: 2030

Project Name: **DAWSON CROSSING - NELSON (WHITE) 115 KV REBUILD**

Description: Rebuild approximately 14 miles of the Dawson Crossing - Nelson (White) 115kV line.

Supporting  
Statement: The Dawson Crossing - Nelson (White) 115kV line overloads under contingency.

---

In-Service  
Year: 2030

Project Name: **DEMOPOLIS TS – CEMEX 115 KV TRANSMISSION LINE**

Description: Construct approximately 1.0 mile of 795 ACSR 115 kV transmission line at 100°C from Demopolis TS to Cemex Tap.

Supporting  
Statement: Provides additional operational and maintenance flexibility, which increases reliability.

---

In-Service  
Year: 2030

Project Name: **EAST POINT - UNION CITY 230KV BLACK LINE RECONDUCTOR**

Description: Reconductor part of the East Point - Union City 230kV Black line with higher rated conductor. Replace limiting elements along line

Supporting  
Statement: The East Point - Union City 230kV Black line overloads under contingency.

---

In-Service  
Year: 2030

Project Name: **FIRST AVENUE - NORTH COLUMBUS 115KV LINE RECONDUCTOR**

Description: Reconductor the North Columbus - First Avenue 115kV line.

Supporting  
Statement: The North Columbus - First Avenue 115kV line overloads under contingency.

---

In-Service  
Year: 2030

Project Name: **GAINESVILLE #2 - MCEVER ROAD 115 KV REBUILD**

Description: Rebuild approximately 5.3 miles of the Gainesville #2 - McEver Rd 115 kV line.

Supporting  
Statement: The Gainesville #2 - McEver Rd 115 kV line overloads under contingency.

---

In-Service  
Year: 2030

Project Name: **GOLDENS CREEK - WARRENTON PRIMARY 230KV TRANSMISSION LINE REBUILD**

Description: Rebuild approximately 0.34 miles of the Goldens Creek - Warrenton Primary 230kV line.

Supporting  
Statement: The Goldens Creek - Warrenton Primary 230kV transmission line overloads under contingency.

---

In-Service  
Year: 2030

Project Name: **GORDON-SANDERSVILLE #1 115KV LINE REBUILD (DEEPSTEP-SAND #6)**

Description: Rebuild approximately 10.5 miles of the Gordon - Sandersville #1 115kV line.

Supporting  
Statement: The Gordon - Sandersville #1 115kV transmission line overloads under contingency.

---

In-Service  
Year: 2030

Project Name: **JEFFERSON ROAD - WINDER PRIMARY 115KV REBUILD**

Description: Rebuild approximately 12.5 miles of the Jefferson Road - Winder Primary 115kV line.

Supporting  
Statement: The Jefferson Road - Winder Primary 115kV line overloads under contingency.

---

In-Service  
Year: 2030

Project Name: **KRAFT 230/115KV BANK C REPLACEMENT**

Description: Replace Kraft 230/115kV bank C auto transformer.

Supporting  
Statement: Kraft 230/115kV auto transformer C overloads under contingency.

---

In-Service  
Year: 2030

Project Name: **LOWER RIVER - WEBB (APC) 115KV RECONDUCTOR**

Description: Reconductor approximately 0.97 miles of the Lower River - Webb 115kV line.

Supporting  
Statement: Lower River - Webb (APC) 115kV line overloads under contingency.

---

In-Service  
Year: 2030

Project Name: **RAY PLACE RD - WARRENTON PRIMARY 115KV LINE REBUILD**

Description: Rebuild approximately 10 miles of the Ray Place - Warrenton Primary 115kV line.  
Upgrade limiting element at substation along the line.

Supporting  
Statement: The Ray Place Rd - Warrenton 115kV line exceeds its thermal rating for various contingencies.

---

In-Service  
Year: 2030

Project Name: **TALLULAH LODGE - TOCCOA 115KV LINE REBUILD**

Description: Rebuild the entire Tallulah Lodge - Toccoa 115kV line, approximately 10.3 miles. Replace limiting elements in substations along the line.e.

Supporting  
Statement: The Tallulah Lodge - Toccoa 115kV line overloads under contingency.

---

In-Service  
Year: 2030

Project Name: **THOMSON PRIMARY 230/115KV SECOND TRANSFORMER**

Description: Install a second 230/115kV auto transformer at Thomson Primary substation.

Supporting  
Statement: This project addresses overloads under contingency on the Thomson Primary 230/115 kV auto transformer and the Evans Primary - Thomson Primary 115kV line.

---

In-Service  
Year: 2030

Project Name: **THURLOW DAM - NOTASULGA 115 KV TL**

Description: Upgrade approximately 14 miles of 397 ACSR at 100 °C from Thurlow Dam to Notasulga to 397 ACSR at 125° C.

Supporting  
Statement: Provides additional operational and maintenance flexibility, which increases reliability.

---

In-Service  
Year: 2030

Project Name: **UNION SPRINGS - PINCKARD 115 KV TRANSMISSION LINE**

Description: Rebuild approximately 10.6 miles of 397 ACSR of the Pinckard – Ewell SS 115 kV TL from 397 ACSR at 49°C to 795 ACSR at 100° C. Reconductor approximately 50 miles of 397 ACSR at 50 °C Union Springs – Ewell 115 kV TL to 795 ACSR at 100° C

Supporting  
Statement: The Union Springs - Pinckard 115 kV TL overloads under contingency. Provides additional operational and maintenance flexibility, which increases reliability.

---

In-Service  
Year: 2031

Project Name: **ALEX CITY AREA SOLUTION**

Description: Construct new West Alex City SS. Construct new West Dadeville TS networking Alex City, Crooked Creek – Martin Dam No. 2, and Thweatt. Reconductor approximately 4.52 miles from new West Alex City SS to City of Alex City #3 with 795 45/7 ACSR at 100°C

Supporting  
Statement: Provides additional operational and maintenance flexibility, which increases reliability.

---

In-Service  
Year: 2031

Project Name: **AVERY - HOPEWELL 115KV RECONDUCTOR**

Description: Reconductor approximately 3.3 miles of the Avery - Hopewell 115kV line. Replace substation equipment along the section of the line.

Supporting  
Statement: The Avery - Hopewell 115kV line overloads under contingency.

---

In-Service  
Year: 2031

Project Name: **BESSEMER - EAST PELHAM 230 KV TRANSMISSION LINE**

Description: Upgrade approximately 14.9 miles of 1033 45/7 ACSR from 75°C to 100°C from Bessemer TS to East Pelham TS.

Supporting  
Statement: Provides additional operational and maintenance flexibility, which increases reliability.

---

In-Service  
Year: 2031

Project Name: **CALVERT – WEST MCINTOSH 230 KV TRANSMISSION LINE**

Description: Reconductor approximately 11 miles of 1351 ACSR 54/19 100C to 1351 ACSS 200C from Calvert SS - West McIntosh

Supporting  
Statement: The Calvert - West McIntosh 230 kV transmission line overloads under contingency.

---

In-Service  
Year: 2031

Project Name: **EATONTON PRIMARY 115KV CAP BANK**

Description: Install a 115kV capacitor bank at Eatonton Primary substation.

Supporting  
Statement: This project addresses low voltage issues on buses along the Eatonton Primary - Lake  
Oconee 115kV line under contingency.

---

In-Service  
Year: 2031

Project Name: **GOSHEN - VOGTLE 230KV REBUILD**

Description: Rebuild approximately 18.7 miles of the Goshen - Vogtle 230kV line.

Supporting  
Statement: The Goshen - Vogtle 230kV line overloads under contingency.

---

In-Service  
Year: 2031

Project Name: **GREENVILLE AREA SOLUTION**

Description: Construct 230 kV ring bus at Greenville TS

Supporting  
Statement: Provides additional operational and maintenance flexibility, which increases reliability.

---

In-Service  
Year: 2031

Project Name: **PITTMAN ROAD - WEST POINT DAM 115KV REBUILD**

Description: Rebuild the entire Pittman Road - West Point Dam 115kV line (approximately 3 miles).  
Upgrade limiting element at substation along the line.

Supporting  
Statement: The Pittman Road - West Point Dam 115kV line overloads under contingency.

---

In-Service  
Year: 2032

Project Name: **COLEMAN - MELDRIM 115KV LINE REBUILD**

Description: Rebuild approximately 3 miles of the Coleman - Meldrim 115kV line.

Supporting  
Statement: The Coleman - Meldrim 115kV line overloads under contingency.

---

In-Service  
Year: 2032

Project Name: **EAST POINT - UNION CITY (WHITE) 230KV REBUILD**

Description: Rebuild a section of the East Point - Union City 230kV line.

Supporting  
Statement: A section of the East Point - Union City 230kV line overloads under contingency.

---

In-Service  
Year: 2032

Project Name: **PELL CITY AREA SOLUTION**

Description: Construct new Pell City Industrial Park SS and new approximately 12 mile 115 kV TL from Pell City Industrial Park SS – Jackson Shoals TS utilizing 795 26/7 ACSR @ 100°C. Convert East Pell City DS and 25th Street DS to 115 kV

Supporting  
Statement: Low voltage and thermal constraints in the area under contingency. This project provides additional operational and maintenance flexibility, which increases reliability.

---

In-Service  
Year: 2033

Project Name: **ARKWRIGHT BUS AND JUMPER REPLACEMENT**

Description: Replace the 115kV bus at Arkwright and replace limiting element on the Arkwright - Forrest Rd (Macon) 115kV line.

Supporting  
Statement: The Arkwright - Forrest Road (Macon) 115kV line overloads under contingency.

---

In-Service  
Year: 2033

Project Name: **BAY CREEK - LGE MONROE 230 KV**

Description: Install a 2nd bus - tie breaker at the Winder Primary substation.

Supporting  
Statement: The Bay Creek - LGE Monroe 230kV line will overload under certain contingencies.

---

In-Service  
Year: 2033

Project Name: **CLARKSBORO - WINDER PRIMARY 230KV REBUILD**

Description: Rebuild approximately 14 miles of the Clarksboro - Winder 230kV line.

Supporting  
Statement: The Clarksboro - Winder 230kV line overloads under contingency.

---

In-Service  
Year: 2033

Project Name: **EAST SOCIAL CIRCLE - SNELLVILLE 230KV EQUIPMENT REPLACEMENT**

Description: Replace limiting equipment on the East Social Circle - Snellville 230kV line.

Supporting  
Statement: Equipment on the East Social Circle - Snellville 230kV line overloads under contingency.

---

In-Service  
Year: 2033

Project Name: **EATONTON PRIMARY - LAKE OCONEE 115KV LINE REBUILD**

Description: Rebuild approximately 0.1 miles of the Eatonton Primary - Lake Oconee 115kV line.

Supporting  
Statement: The Eatonton Primary - Lake Oconee 115kV line overloads under base case conditions.

---

In-Service  
Year: 2033

Project Name: **EVANS PRIMARY - THURMOND DAM (USA) #5 115KV REBUILD**

Description: Rebuild approximately 5.45 miles of the Evans Primary - Thurmond Dam (USA) #5 115kV line. Replace limiting element on the line at Thurmond Dam (USA).

Supporting  
Statement: The Evans Primary - Thurmond Dam (USA) #5 115kV line overloads under contingency.

---

In-Service  
Year: 2033

Project Name: **GTC: EAST WATKINSVILLE 230 KV STATION MODIFICATION**

Description: Replace reactor at East Watkinsville on the Russell Dam 230kV line.

Supporting  
Statement: Equipment on the East Watkinsville - Russell Dam 230kV line overloads under contingency.

---

In-Service  
Year: 2033

Project Name: **MELDRIM BANK D REPLACEMENT**

Description: Replace Meldrim 230/115kV auto transformer.

Supporting  
Statement: Meldrim 230/115kV auto transformer overloads under contingency.

---

In-Service  
Year: 2033

Project Name: **SHOAL CREEK - SOUTH HALL 230KV REBUILD**

Description: Rebuild approximately 7.9 miles of the Shoal Creek - South Hall 230kV line. Upgrade limiting elements on the line.

Supporting  
Statement: The Shoal Creek - South Hall 230kV line overloads under contingency.

---

In-Service  
Year: 2034

Project Name: **BIO - CENTER PRIMARY 230KV REBUILD**

Description: Rebuild approximately 7.9 miles of the Bio - Center Primary 230kV line.

Supporting  
Statement: The Bio - Center Primary 230kV line overloads under contingency.

---

In-Service  
Year: 2034

Project Name: **CORNELIA - TALLULAH LODGE 115KV REBUILD**

Description: Rebuild approximately 8.5 miles of the Cornelia - Tallulah Lodge 115kV line.

Supporting  
Statement: The Cornelia - Tallulah Lodge 115kV line overloads under contingency.

---

In-Service  
Year: 2034

Project Name: **EVANS PRIMARY - THURMOND DAM (USA) #6 115KV REBUILD**

Description: Rebuild approximately 8.9 miles of the Evans Primary - Thurmond Dam (USA) #6 115kV line. Replace limiting element on the line at Thurmond Dam.

Supporting  
Statement: The Evans Primary - Thurmond Dam (USA) #6 115kV line overloads under contingency.

---

In-Service  
Year: 2034

Project Name: **LITTLE OGEECHEE 230/115KV BANK REPLACEMENT**

Description: Replace Little Ogeechee 230/115kV auto transformer.

Supporting  
Statement: Auto transformer at Little Ogeechee substation overloads under contingency.

---

In-Service  
Year: 2024

Project Name: **GALLATIN - CAIRO BEND 161 KV TRANSMISSION LINE**

Description: Reconductor approximately 2.2 miles of the Gallatin - Cairo Bend 161 kV transmission line section with 954 ACSS at 150°C and upgrade terminal equipment to 440 MVA at Gallatin 161 kV.

Supporting Statement: The Gallatin FP - Cairo Bend 161 kV transmission line section overloads under contingency.

---

In-Service  
Year: 2024

Project Name: **PHIPPS BEND 500 KV SUBSTATION**

Description: Rebuild structures with weathered steel in the Phipps Bend 500 and 161 kV yard.

Supporting Statement: Steel structures in the Phipps Bend 500 kV and 161 kV yards are beginning to show signs of corrosion and will be replaced.

---

In-Service  
Year: 2025

Project Name: **ALCOA SS – NIXON ROAD 161 KV TRANSMISSION LINE**

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 4.0 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.

---

In-Service  
Year: 2025

Project Name: **NORTH DAYTON 161 KV TRANSMISSION LINE**

Description: Construct North Dayton 161 kV substation. Loop in Sequoyah - WBHP 161 kV transmission line into new substation by constructing approximately 27.0 miles of transmission line using 1351 ACSR.

Supporting  
Statement: Additional thermal capacity and voltage support is needed in the North Dayton, TN area under contingency.

---

In-Service  
Year: 2025

Project Name: **TIPTONVILLE-NEW MADRID #2 TIE LINE**

Description: Construct approximately 5.3 miles of new 161 kV transmission line from Tiptonville to New Madrid to form the second circuit, and reconductor approximately 5.3 miles of the Tiptonville to New Madrid 161 kV #1 transmission line section with 1590 ACSS at 180°C.

Supporting  
Statement: Additional thermal capacity on this path is needed.

---

In-Service  
Year: 2025

Project Name: **WILSON - LEBANON 161 KV TRANSMISSION LINE**

Description: Rebuild approximately 6.0 miles on the Wilson - Lebanon 161 kV transmission line with 636 ACSR at 100°C and upgrade terminal equipment to 230 MVA at Lebanon 161 kV substation.

Supporting  
Statement: The Wilson - Lebanon 161 kV transmission line overloads under contingency.

---

In-Service  
Year: 2026

Project Name: **BRADLEY 500 KV SWITCH HOUSE**

Description: Construct a new 500 kV switch house.

Supporting  
Statement: Additional thermal capacity and voltage support is needed in the Bradley County, TN area under contingency.

---

In-Service  
Year: 2026

Project Name: **DICKSON 161 KV AREA IMPROVEMENT**

Description: Construct approximately 9.5 miles of new 161 kV transmission line from Bon Aqua to Burns, construct approximately 4.7 miles new 161 kV double circuit into Dickson and build a new Switchhouse, and construct a new Locust Creek 161 kV Substation.

Supporting  
Statement: Voltage support is needed in the Dickson, TN area under contingency.

---

In-Service  
Year: 2026

Project Name: **LOVING, KY 161KV STATION**

Description: Construct the Loving, KY 161kV Substation. Reconductor BG - Lost City and BG to E. BG.

Supporting  
Statement: Additional capacity is needed in the Bowling Green area for economic development.

---

In-Service  
Year: 2026

Project Name: **PHILADELPHIA REACTOR**

Description: Install three 27MVAR reactors at the Philadelphia 161kV Substation.

Supporting  
Statement: Voltage support is needed in TVA's Mississippi area under contingency.

---

In-Service  
Year: 2027

Project Name: **BELMONT PHASE 2**

Description: Construct approximately 18.0 miles of new 161 kV transmission line from Clay - Artesia using 954 ACSR at 100°C

Supporting Statement: Voltage support and additional capacity is needed for economic development in the TVA's Mississippi area

---

In-Service  
Year: 2027

Project Name: **CORDOVA - YUM YUM TL RECONDUCTOR**

Description: Reconductor approximately 23.5 miles of the Cordova - Yum Yum 161 kV transmission line section with TS - 1098.6 kcmil Ruddy, sag temp 180°C.

Supporting Statement: Additional thermal capacity is needed for economic development in the Memphis, TN area

---

In-Service  
Year: 2027

Project Name: **LIMESTONE - SEWELL 161 KV #2 TRANSMISSION LINE**

Description: Construct approximately 2.1 miles of 161 kV transmission line with 2034 ACSR at 100°C on the existing Limestone - Sewell 161 kV double circuit towers and add breakers to the 161-kV switchyard to make a double breakered 161-kV station.

Supporting Statement: Additional thermal capacity and voltage support is needed in the Huntsville, AL area under contingency.

---

In-Service  
Year: 2027

Project Name: **NORTH OAKLAND - COFFEEVILLE 161 KV TRANSMISSION LINE**

Description: Construct approximately 18.0 miles of new 161 kV transmission line from North Oakland - Coffeerville using 954 ACSR at 100°C and upgrade terminal equipment to 472 MVA at Batesville 161 kV substation.

Supporting  
Statement: Multiple 161 kV transmission lines overload under contingency.

---

In-Service  
Year: 2027

Project Name: **ST. ELMO, KY 161 KY SUBSTATION**

Description: Construct new 161kV 4 position ring bus substation. Loop in Edgoten-Casky 161kV transmission line (approximately 0.6 miles from station to loop point). Loop in Paradise-Clarksville 161kV transmission line (approximately 10 miles from station to loop point).

Supporting  
Statement: Voltage support and additional capacity is needed for economic development in the Bowling Green area.

---

In-Service  
Year: 2028

Project Name: **DAVIDSON 500 KV SWITCH HOUSE**

Description: Construct a new 500 kV switch house with all new assets and replace aging assets in the Davidson Yard.

Supporting  
Statement: Additional thermal capacity and voltage support is needed in the Davidson County, TN area under contingency.

---

In-Service  
Year: 2028

Project Name: **LIMESTONE 500KV DOUBLE BREAKER AND LOOP**

Description: Construct a double breaker station in the 500kV yard at Limestone and loop in the Browns Ferry - Maury 500kV TL.

Supporting  
Statement: The Trinity 500/161kV transformer overloads under contingency.

---

In-Service  
Year: 2028

Project Name: **MIDWAY - S MACON - DEKALB 161 KV TRANSMISSION LINE**

Description: Construct approximately 20 miles new 161 kV transmission line from Midway to S Macon and approximately 31.3 miles new 161 kV transmission line from S Macon to Dekalb via Scooba.

Supporting  
Statement: Voltage support is needed in TVA's Mississippi area under contingency.

---

In-Service  
Year: 2029

Project Name: **APALACHIA AREA IMPROVEMENT PLAN**

Description: Construct Martin's Creek 161 kV substation. Construct approximately 25 miles of new TL from Apalachia 161 kV substation to Ranger 161 kV switching station.

Supporting  
Statement: The Apalachia - Basin 161 kV transmission line overloads under contingency.

---

In-Service  
Year: 2030

Project Name: **HAMPTON 500 KV STATION**

Description: Construct new 500/161 kV station. Loop in existing Montgomery-Wilson 500kV line (approximately 0.1 mile from station to loop point). Loop in existing double circuit 161kV from Montgomery to Hemlock.

Supporting  
Statement: Additional thermal capacity and voltage support is needed in the Montgomery County, TN & Todd County, KY area under contingency.

---

In-Service  
Year: 2030

Project Name: **SEQUOYAH 500 KV SWITCH HOUSE**

Description: Construct a new 500 kV switch house with new assets including breakers at the Sequoyah 500 kV substation

Supporting  
Statement: Additional thermal capacity and voltage support is needed in the Hamilton County, TN area under contingency.

---

PRELIMINARY