# Southeastern Regional Transmission Planning (SERTP)

## PRELIMINARY 10 YEAR TRANSMISSION EXPANSION PLANS

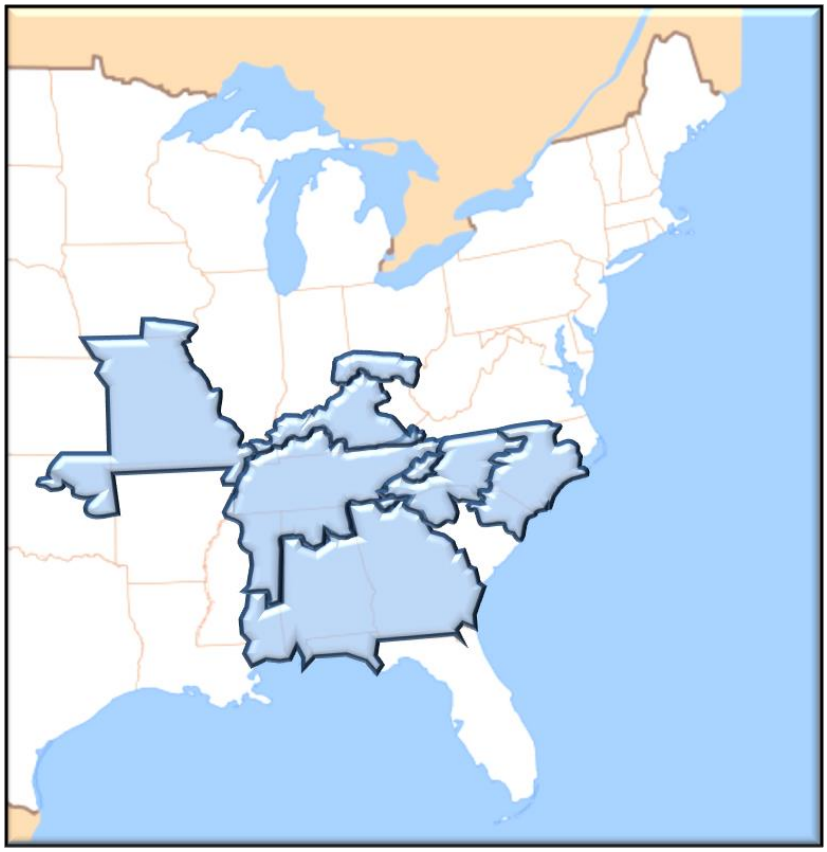
Associated Electric Cooperative Inc.

Dalton Utilities

Duke Energy

Georgia Transmission

LG&E KU



MEAG Power

OVEC IKEC
Ohio Valley Electric Corporation / Indiana-Kentucky Electric Corporation

PowerSouth Energy Cooperative

Southern Company

TVA

**June 15, 2015**

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

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|---|---|
| In-Service Year: | 2016 |
| Project Name: | **ANDERSON TIE – PIERCETOWN SS 100 KV T.L.** |
| Description: | Convert the Piercetown SS – Plainview Ret 100 kV transmission line to a double circuit transmission line. Network these lines to the current Anderston Tie – Plainview Ret 100 kV double circuit transmission lines. |
| Supporting Statement: | The Anderston Tie – Plainview Ret 100 kV transmission line overloads under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **CENTRAL 230/100 KV SUBSTATION** |
| Description: | Replace transformer #1 with a 448 MVA 230/100 kV transformer at Central substation. |
| Supporting Statement: | The Central 230/100 kV transformer overloads under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **ELIZABETH – NORTH CHARLOTTE 100 KV T.L.** |
| Description: | Reconductor approximately 5 miles of the Elizabeth – North Charlotte 100 kV transmission line with 477 ACSS at 200°C. |
| Supporting Statement: | The Elizabeth – North Charlotte 100 kV transmission line overloads under contingency. |

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|---|---|
| In-Service Year: | 2016 |
| Project Name: | **LONGVIEW – MILLER HILL 100 KV T.L.** |
| Description: | Reconductor approximately 8 miles of the Longview – Miller Hill 100 kV transmission line with 795 ACSS at 120°C. |
| Supporting Statement: | The Longview – Miller Hill 100 kV transmission line overloads under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **NEWPORT – WYLIE 100 KV T.L.** |
| Description: | Reconductor approximately 8 miles of the Newport – Wylie 100 kV transmission line with 1158 ACSS at 120°C. |
| Supporting Statement: | The Newport – Wylie 100 kV transmission line overloads under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **PARKWOOD 230/100 KV SUBSTATION** |
| Description: | Add a third 448 MVA 230/100 kV transformer at Parkwood substation. |
| Supporting Statement: | The Parkwood 230/100 kV transformer overloads under contingency. |

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| In-Service Year: | 2017 |
| Project Name: | **ASHE STREET – PARKWOOD 100 KV T.L.** |
| Description: | Reconductor approximately 2.6 miles of the Ashe Street – Parkwood 100 kV transmission line with 477 ACSR at 120°C. |
| Supporting Statement: | The Ashe Street – Parkwood 100 kV transmission line overloads under contingency. |

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| In-Service Year: | 2017 |
| Project Name: | **DIXON SCHOOL ROAD 230 KV SWITCHING STATION** |
| Description: | Install a new switching station along the Ripp SS – Riverbend 230 kV transmission line to tie in new NTE generation. |
| Supporting Statement: | The station is needed for a new generation interconnection. |

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| In-Service Year: | 2017 |
| Project Name: | **GLEN RAVEN – MEBANE TIE 100KV TRANSMISSION LINE** |
| Description: | Reconductor approximately 3 miles of the Glen Raven – Mebane 100 kV transmission line with bundled 477 ACSS and configure the Glen River – Eno 100 kV double circuit transmission line as normally open. |
| Supporting Statement: | The Glen Raven – Eno 100 kV double circuit transmission lines overload under contingency. |

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| In-Service Year: | 2017 |
| Project Name: | **GREENBRIAR AREA IMPROVEMENTS** |
| Description: | Bundle the Shady Grove – Moonville Retail 100 kV transmission line with 477 ACSR at 120°C. Add 100 kV terminals at Greenbriar Retail making it a 100 kV switching station. Reedy River Tie will also become a breaker swap over station as part of the Greenbriar project. |
| Supporting Statement: | Project required to support new Lee CC project and contingency overloading of 100 kV lines in Lee area. |

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| In-Service Year: | 2017 |
| Project Name: | **LEE STEAM STATION SWITCHYARD UPGRADE** |
| Description: | Upgrade the Lee Steam Station switchyard to facilitate interconnection to the new Lee Combined Cycle plant. |
| Supporting Statement: | The Lee Steam Station Switchyard is in need of upgrades in order to handle the increased generation from the new Lee Combined Cycle plant currently under construction. |

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| In-Service Year: | 2017 |
| Project Name: | **NORTH GREENVILLE – TIGER 100 KV T.L.** |
| Description: | Rebuild approximately 11 miles of the North Greenville – Tiger 100 kV transmission line with 954 ACSR at 120°C. |
| Supporting Statement: | The North Greenville – Tiger 100 kV transmission line overloads under contingency. |

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| In-Service Year: | 2017 |
| Project Name: | **OAKBORO 230/100 KV SUBSTATION** |
| Description: | Add a fourth 200 MVA, 230/100 kV transformer to Oakboro Substation. |
| Supporting Statement: | The Oakboro Substation 230/100 kV transformer overloads under contingency. |

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| In-Service Year: | 2017 |
| Project Name: | **RIVERBEND STEAM STATION** |
| Description: | Add two 230/100 kV 400 MVA transformers at Riverbend Steam Station. |
| Supporting Statement: | Retirement of Riverbend Steam Station generation causes multiple transmission lines to overload under contingency and causes the need for additional voltage support in the Riverbend area. |

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| In-Service Year: | 2017 |
| Project Name: | **SPRINGFIELD SWITCHING STATION** |
| Description: | Convert Springfield Tap into Springfield Switching Station. |
| Supporting Statement: | The Wylie Switching – Morning Star Tie 100kV transmission lines overload under contingency. |

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| In-Service Year: | 2017 |
| Project Name: | **TIGER – WEST SPARTANBURG 100 KV T.L.** |
| Description: | Reconductor approximately 5 miles of the Tiger – West Spartanburg 100 kV transmission line with 556 ACSR at 120°C. |
| Supporting Statement: | The Tiger – West Spartanburg 100 kV transmission line overloads under contingency. |

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|---|---|
| In-Service Year: | 2017 |
| Project Name: | **WINECOFF 230/100 KV SUBSTATION** |
| Description: | Replace transformer #1 with a 448 MVA 230/100 kV transformer at Winecoff substation. |
| Supporting Statement: | The Winecoff 230/100 kV transformer overloads under contingency. |

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| In-Service Year: | 2018 |
| Project Name: | **BELAIR SWITCHING STATION** |
| Description: | Construct a new 5 breaker switching station on the North Greensboro – Robbins Road 100 kV transmission line. |
| Supporting Statement: | The North Greensboro – Robbins Road 100kV transmission lines overload under contingency. |

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| In-Service Year: | 2018 |
| Project Name: | **CONCORD MAIN – HARRISBURG 100 KV T.L.** |
| Description: | Reconductor approximately 1 mile of the Concord Main – Harrisburg 100 kV transmission line with bundled 556 ACSR at 120°C. |
| Supporting Statement: | The Concord Main – Harrisburg 100 kV transmission line overloads under contingency. |

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| In-Service Year: | 2018 |
| Project Name: | **LINCOLN CT – RIVERBEND 230 KV T.L.** |
| Description: | Replace switches at Riverbend Steam Station with 2000 A equipment. |
| Supporting Statement: | The Lincoln CT – Riverbend 230 kV transmission line overloads with a generation outage. |

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| In-Service Year: | 2018 |
| Project Name: | **NORTH GREENSBORO SUBSTATION** |
| Description: | Add a fourth 448 MVA 230/100 kV transformer at North Greensboro Substation. |
| Supporting Statement: | The North Greensboro 230/100 kV transformer overloads under contingency. |

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| In-Service Year: | 2018 |
| Project Name: | **PEACH VALLEY – RIVERVIEW 230 KV T.L.** |
| Description: | Install a 3% series reactor on the Peach Valley – Riverview 230 kV transmission line. |
| Supporting Statement: | The Peach Valley – Riverview 230 kV transmission line overloads under contingency. |

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| In-Service Year: | 2019 |
| Project Name: | **MONROE – LANCASTER 100 KV T.L.** |
| Description: | Rebuild approximately 20 miles of the Monroe – Lancaster 100 kV transmission line with 954 ACSR at 120°C. |
| Supporting Statement: | The Monroe – Lancaster 200 kV transmission line overloads with a generation outage. |

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| In-Service Year: | 2019 |
| Project Name: | **RURAL HALL SUBSTATION** |
| Description: | Upgrade ancillary equipment and replace tie breaker at Rural Hall with a 2000 A breaker. |
| Supporting Statement: | The Rural Hall substation bus/breaker overloads under contingency. |

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| In-Service Year: | 2020 |
| Project Name: | **CLIFFSIDE STEAM STATION** |
| Description: | Add a third 448 MVA 230/100 kV transformer at Cliffside Steam Station. |
| Supporting Statement: | The Cliffside Steam Station 230/100 kV transformer overloads under contingency. |

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| In-Service Year: | 2021 |
| Project Name: | **PLEASANT GARDEN 500/230 KV SUBSTATION** |
| Description: | Replace CTs and aluminum buswork on the Pleasant Garden 500/230 kV transformer. |
| Supporting Statement: | The Pleasant Garden 500/230 kV transformer overloads under contingency. |

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| In-Service Year: | 2021 |
| Project Name: | **WALNUT COVE – RURAL HALL 100 KV T.L.** |
| Description: | Split approximately 10 miles of the bundled six wire Walnut Cove – Rural Hall 100 kV transmission line circuit in to two circuits. |
| Supporting Statement: | The Walnut Cove – Rural Hall 100 kV transmission line overloads under contingency. |

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| In-Service Year: | 2022 |
| Project Name: | **CENTRAL – SHADY GROVE 230 KV T.L.** |
| Description: | Reconductor approximately 18 miles of the Central – Shady Grove 230 kV transmission line with bundled 954 ACSR at 120°C. |
| Supporting Statement: | The Central – Shady Grove 230 kV transmission line overloads under contingency. |

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| In-Service Year: | 2022 |
| Project Name: | **STAMEY – STATESVILLE 100 KV T.L.** |
| Description: | Reconductor approximately 8 miles of the Stamey – Statesville 100 kV transmission line to 795 ACSR and 954 ACSR at 120°C. |
| Supporting Statement: | The Stamey – Statesville 100 kV transmssion line overloads under contingency. |

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| In-Service Year: | 2022 |
| Project Name: | **WOODLAWN – AMITY 100 KV T.L.** |
| Description: | Replace ancillary equipment on the Woodlawn – Amity 100 kV transmission line with 3000 A equipment. |
| Supporting Statement: | The Woodlawn – Amity 100 kV transmission line overloads under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **ASHEBORO – ASHEBORO EAST (SOUTH) 115 KV T.L.** |
| Description: | Reconductor approximately 3 miles of the Asheboro – Asheboro East (South) 115 kV transmission line using 3-1590 ACSR rated for 307 MVA. Replace disconnect switches at Asheboro 230 kV and both the breaker and the disconnect switches at Asheboro East 115 kV with equipment of at least 2000 A capability. |
| Supporting Statement: | The Asheboro – Asheboro East (South) 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **FALLS 230 KV SUBSTATION** |
| Description: | Install a 300 MVA 230/115 kV transformer at Falls 230 kV substation. This project requires the creation of a 2nd 230 kV bus, the installation of a 230 kV bus tie breaker, and the relocation of the Roxboro Plant 230 kV breaker. This project also requires the creation of a new 115 kV bus, the installation of a new 115 kV bus tie breaker, and the retermination of the Chestnut Hills and Franklinton East 115 kV transmission lines to the new 115 kV bus. |
| Supporting Statement: | The Falls 230/115 kV transformer overloads under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **FT. BRAGG WOODRUFF STREET 230 KV SUBSTATION** |
| Description: | Replace the existing 150 MVA, 230/115 kV transformer at the Ft. Bragg Woodruff Street 230 kV substation with two 300 MVA, 230/115 kV transformers. Reconductor approximately 4.42 miles along the Ft. Bragg Woodruff Street – Manchester 115 kV transmission line with 3-1590 ACSR. |
| Supporting Statement: | The Manchester 115 kV transmission line and Ft. Bragg Woodruff Street 230/115 kV transformer overloads under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **JACKSONVILLE 230 KV SUBSTATION** |
| Description: | Install one 72 MVAR capacitor bank at Jacksonville 230 kV substation. |
| Supporting Statement: | Voltage support is needed in the Jacksonville area under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **SELMA 230 KV SUBSTATION** |
| Description: | Replace the existing 200 MVA, 230/115 kV transformer at the Selma 230 kV substation with a 300 MVA, 230/115 kV transformer. |
| Supporting Statement: | The Selma 230/115 kV transformer overloads under contingency. |

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| In-Service Year: | 2018 |
| Project Name: | **RAEFORD 230 KV SUBSTATION** |
| Description: | Loop in the Richmond – Ft. Bragg Woodruff St. 230 kV transmission line at Raeford 230/115 kV substation and add a 300 MVA transformer. |
| Supporting Statement: | The Raeford 230/115 kV transformers and Weatherspoon – Raeford 115 kV transmission line overload under contingency. |

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| In-Service Year: | 2018 |
| Project Name: | **SUTTON PLANT – CASTLE HAYNE 115 KV NORTH T.L.** |
| Description: | Rebuild approximately 8 miles of the Sutton Plant – Castle Hayne 115 kV North transmission line using 1272 ACSR rated for 239 MVA. |
| Supporting Statement: | The Sutton Plant – Castle Hayne 115 kV North transmission line overloads under contingency. |

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| In-Service Year: | 2019 |
| Project Name: | **ASHEBORO – ASHEBORO EAST (NORTH) 115 KV T.L.** |
| Description: | Rebuild approximately 6.45 miles of the Asheboro – Asheboro East (North) 115 kV transmission line using 3-1590 ACSR rated for 307 MVA. Replace disconnect switches at Asheboro 230 kV and both the breaker and the disconnect switches at Asheboro East 115 kV with equipment of at least 2000 A capability. |
| Supporting Statement: | The Asheboro – Asheboro East (North) 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2020 |
| Project Name: | **GRANT'S CREEK – JACKSONVILLE 230 KV T.L.** |
| Description: | Construct approximately 12 miles of new 230 kV transmission line from Jacksonville 230 kV substation to a new 230 kV substation at Grant's Creek with bundled 6-1590 ACSR rated for 1195 MVA. Build the new 230 kV Grant's Creek substation with four 230 kV breakers and a new 300 MVA 230/115 kV transformer. |
| Supporting Statement: | The Havelock – Jacksonville 230 kV transmission line overloads under contingency and voltage support is needed in the Jacksonville area. |

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| In-Service Year: | 2020 |
| Project Name: | **HARLOWE – NEWPORT 230 KV T.L.** |
| Description: | Construct a new 230 kV switching station at Newport, construct a new 230 kV substation at Harlowe, and construct approximately 10 miles of new 230 kV transmission line from Harlowe to Newport Area with 3-1590 ACSR rated for 680 MVA. |
| Supporting Statement: | Voltage support is needed in Havelock – Morehead area. |

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| In-Service Year: | 2020 |
| Project Name: | **PROSPECT 230 KV CAPACITOR STATION** |
| Description: | Construct a new capacitor bank station near Brunswick EMC Prospect 230 kV substation off the Brunswick # 2 – Whiteville 230 kV transmission line, and install one 60 MVAR capacitor bank at the new station with expansion potential up to 90 MVAR. |
| Supporting Statement: | Voltage support is needed in Southport area. |

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| In-Service Year: | 2020 |
| Project Name: | **SMITHFIELD 115 KV CAPACITOR STATION** |
| Description: | Construct a new capacitor bank station near Smithfield 115 kV substation and install one 18 MVAR capacitor bank at Smithfield 115 kV Substation with expansion potential up to 33 MVAR. |
| Supporting Statement: | Voltage support is needed in Smithfield area. |

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| In-Service Year: | 2021 |
| Project Name: | **LOUISBURG AREA 115 KV CAPACITOR STATION** |
| Description: | Construct a capacitor bank station near Louisburg 115 kV substation and install one 18 MVAR capacitor bank at Smithfield 115 kV substation with expansion potential up to 33 MVAR. |
| Supporting Statement: | Voltage support is needed in Louisburg area. |

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| In-Service Year: | 2023 |
| Project Name: | **DURHAM – RTP 230 KV T.L.** |
| Description: | Reconductor approximately 10 miles of the Durham – RTP 230 kV transmission line with bundled 6-1590 ACSR rated for 1195 MVA. |
| Supporting Statement: | The Durham – RTP 230 kV transmission line overloads under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **CRAGGY – ENKA 115 KV T.L.** |
| Description: | Upgrade the Craggy – Enka 115 kV transmission line between Enka 115 kV substation and Monte Vista 115 kV substation. Replace two 115 kV switches and limiting CT equipment at Enka 115 kV substation. |
| Supporting Statement: | The Craggy – Enka 115 KV transmission line overloads under contingency. |

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| In-Service Year: | 2018 |
| Project Name: | **VANDERBILT – WEST ASHEVILLE 115 KV T.L.** |
| Description: | Reconductor approximately 2.69 miles of the Vanderbilt – West Asheville 115 kV transmission line with 3-795 ACSR rated for 300 MVA. Replace one 115 kV breaker, two 115 kV disconnect switches, and one 115 kV switch at Vanderbilt. |
| Supporting Statement: | The Vanderbilt – West Asheville 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2020 |
| Project Name: | **BALDWIN 115 KV SUBSTATION** |
| Description: | Install one 18 MVAR capacitor bank (#2) at Baldwin 115 kV substation with expansion potential up to 33 MVAR. |
| Supporting Statement: | Voltage support is needed in Baldwin area. |

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| In-Service Year: | 2016 |
| Project Name: | **BROWN PLANT – BROWN CT – BROWN NORTH 138 KV T.L.** |
| Description: | Replace the 138 kV terminal equipment on the Brown Plant – Brown CT – Brown N 138 kV transmission line, using equipment capable of at least 530 MVA. |
| Supporting Statement: | The Brown Plant – Brown CT Tap1 138 kV transmission line becomes overloaded under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **HARDINSBURGH – BLACK BRANCH 138 KV T.L.** |
| Description: | Replace the 138 kV terminal equipment rated less than 237 MVA on the Hardinsburg – Black Branch 138 kV transmission line, using equipment capable of at least 265 MVA. |
| Supporting Statement: | The terminal equipment on the Hardinsburg – Black Branch 138 kV transmission line becomes overloaded under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **LAKE REBA TAP – JK SMITH 138 KV T.L.** |
| Description: | Replace the 138 kV terminal equipment rated less than 290 MVA on the Lake Reba Tap – JK Smith 138 kV transmission line, using equipment capable of at least 306 MVA. |
| Supporting Statement: | The terminal equipment on the Lake Reba Tap – JK Smith 138 kV transmission line becomes overloaded under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **LIVINGSTON – NORTH PRINCETON 161 KV T.L.** |
| Description: | Install a 2.5% reactor at Livingston on the Livingston County – North Princeton 161 kV transmission line. |
| Supporting Statement: | The Livingston – North Princeton 161 kV transmission line becomes overloaded under contingency. |

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| In-Service Year: | 2017 |
| Project Name: | **BROWN NORTH – WEST LEXINGTON 345 KV T.L.** |
| Description: | Install a 345 kV breaker at West Lexington on the Brown N – West Lexington section of the Brown N – West Lexington – Ghent 345 kV transmission line. |
| Supporting Statement: | Additional voltage support is needed in the Lexington area. |

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| In-Service Year: | 2017 |
| Project Name: | **ELIZABETHTOWN – HARDIN COUNTY 138 KV T.L.** |
| Description: | Construct a second Elizabethtown – Hardin Co 138 kV transmission line by overbuilding the existing Elizabethtown – Hardin Co 69 kV transmission line and install a 138 kV breaker on the Elizabethtown 138/69 kV transformer. |
| Supporting Statement: | The Hardin County 138/69 kV transformer overloads under contingency. |

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| In-Service Year: | 2017 |
| Project Name: | **WEST LEXINGTON – VILEY ROAD 138 KV T.L.** |
| Description: | Reconductor approximately 5.19 miles of 795 ACSR conductor in the West Lexington – Viley Road section of the West Lexington – Viley Road – Haefling 138 kV transmission line, using high temperature conductor capable of at least 358 MVA. |
| Supporting Statement: | The West Lexington – Viley Road 138 kV transmission line overloads under contingency. |

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| In-Service Year: | 2018 |
| Project Name: | **HARDINSBURGH – BLACK BRANCH 138 KV T.L.** |
| Description: | Replace the 138kV terminal equipment rated less than 287 MVA on the Hardinsburg – Black Branch 138kV transmission line, using equipment capable of at least 326 MVA. |
| Supporting Statement: | The terminal equipment on the Hardinsburg – Black Branch 138 kV transmission line becomes overloaded under contingency. |

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| In-Service Year: | 2018 |
| Project Name: | **LAKE REBA TAP – JK SMITH 138 KV T.L.** |
| Description: | Replace the 750 Cu terminal equipment at Lake Reba Tap on the Lake Reba Tap – JK Smith 138 kV transmission line with 1590 ACSR. |
| Supporting Statement: | The terminal equipment on the Lake Reba Tap – JK Smith 138 kV transmission line becomes overloaded under contingency. |

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| In-Service Year: | 2018 |
| Project Name: | **MATANZAS – WILSON 161 KV T.L.** |
| Description: | Replace the 161 kV terminal equipment rated less than 405 MVA on the Matanzas – BREC Wilson 161 kV transmission line, using equipment capable of at least 488 MVA. |
| Supporting Statement: | The terminal equipment on the Matanzas – Wilson 161 kV transmission line becomes overloaded under contingency. |

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| In-Service Year: | 2019 |
| Project Name: | **HAEFLING – VILEY ROAD 138 KV T.L.** |
| Description: | Replace the 500 MCM Cu terminal equipment at Haefling on the Haefling – Viley Road section of the West Lexington – Viley Road – Haefling 138 kV transmission line. |
| Supporting Statement: | The terminal equipment on the Haefling – Viley Road 138 kV transmission line becomes overloaded under contingency. |

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| In-Service Year: | 2019 |
| Project Name: | **WEST LEXINGTON – HAEFLING 138 KV T.L.** |
| Description: | Reconductor 7.34 miles of 795 ACSR conductor on the West Lexington – Haefling 138 kV line, using high temperature conductor capable of at least 358 MVA. |
| Supporting Statement: | The West Lexington to Haefling 138 kV transmission line overloads under contingency. |

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| In-Service Year: | 2021 |
| Project Name: | **HIGBY MILL – REYNOLDS 138 KV T.L.** |
| Description: | Upgrade approximately 1.67 miles of 795 ACSR conductor on the Higby Mill – Reynolds 138 kV transmission line to 100°C operation. |
| Supporting Statement: | The Higby Mill – Reynolds 138 kV transmission line overloads under contingency. |

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| In-Service Year: | 2022 |
| Project Name: | **ELIHU – ALCALDE 161 KV T.L.** |
| Description: | Replace the 161 kV terminal equipment rated less than 335 MVA on the Alcade – Elihu 161 kV transmission line, using equipment capable of at least 380 MVA. |
| Supporting Statement: | The terminal equipment on the Elihu – Alcalde 161 kV transmission line becomes overloaded under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **LUVERNE – FULLER 115 KV T.L.** |
| Description: | Reconductor 8.5 miles of transmission line from Luverne to Fullers substation with 795 ACSR at 100°C. |
| Supporting Statement: | Additional voltage support needed in the Dublin, Kyzar, Brundidge, Clio, and Victoria areas under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **MCWILLIAMS – OPP SW 115 KV T.L.** |
| Description: | Reconductor 15 miles of the McWilliams – Opp Switching 115 kV transmission line with 795 ACSR at 110°C. |
| Supporting Statement: | The McWilliams – Opp Switching 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2017 |
| Project Name: | **LEE COUNTY 115 KV SWITCHING STATION** |
| Description: | Construct a 115 kV switching station to facilitate the Lee County – Fuller Road 115 kV transmission line. |
| Supporting Statement: | Additional voltage support is needed in the area. |

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| In-Service Year: | 2017 |
| Project Name: | **MCWILLIAMS – LUVERNE 115 KV T.L.** |
| Description: | Upgrade 28 miles of the existing McWilliams – Luverne 46 kV transmission line to 115 kV with 795 ACSR at 100°C. |
| Supporting Statement: | Additional voltage support needed in the Dublin, Kyzar, Brundidge, Clio, and Victoria areas under contingency. |

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| In-Service Year: | 2018 |
| Project Name: | **BONIFAY – CHIPLEY 115 KV T.L.** |
| Description: | Construct 14 miles of new 115 kV transmission line from Bonifay substation to a new Chipley switching station with 795 ACSR at 100°C. |
| Supporting Statement: | Additional voltage support is needed at Graceville and Fountain under contingency. |

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| In-Service Year: | 2018 |
| Project Name: | **GASKIN – SOUTHPORT 115 KV T.L.** |
| Description: | Construct 9 miles of new 115 kV transmission line from Gaskin Switching Station – 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. |

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| In-Service Year: | 2018 |
| Project Name: | **SALEM JUNCTION – BOTTOMS MILL 115 KV T.L.** |
| Description: | Construct 16 miles of new 115 kV transmission line from Bottom's Mill to Salem Junction with 795 ACSR at 100°C. |
| Supporting Statement: | Additional voltage support needed in the Dublin, Kyzar, Brundidge, Clio, and Victoria areas under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **BAXLEY – SOUTH HAZLEHURST 115 KV T.L.** |
| Description: | At the Pine Grove distribution substation, replace the 115 kV bus to obtain a rating of 124 MVA, as well as the line switch and jumpers on the Baxley – South Hazlehurst 115 kV transmission line to obtain a rating of 188 MVA. |
| Supporting Statement: | The bus and terminal equipment at Pine Grove overloads under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **COLLINS – MAGEE 115KV T.L.** |
| Description: | Upgrade approximately 8.5 miles of the Collins – Magee 115 kV transmission line to 100°C operation. Replace 4/0 Copper jumpers in Collins substation and replace metering CTs at Collins substation. |
| Supporting Statement: | Provides additional maintanence and operational flexability. |

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| In-Service Year: | 2016 |
| Project Name: | **CROOKED CREEK – MARTIN DAM #2 (EAST) 115 KV T.L.** |
| Description: | Upgrade approximately 46.5 miles of the Crooked Creek – Martin Dam #2 (East) 115 kV transmission line to 100°C operation. |
| Supporting Statement: | The Crooked Creek – Martin Dam #2 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **DANIEL – MOSS POINT EAST 230KV T.L.** |
| Description: | Upgrade approximately 10.7 miles along the Daniel – Moss Point East 230 kV line to 110°C operation and replace 2000 A switches at Daniel, Moss Point Elder Ferry Road, and Moss Point East substations with 3000 A switches. |
| Supporting Statement: | The Daniel – Moss Point East 230 kV transmission line overloads under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **DEAN FOREST – MILLHAVEN ANNEX 115 KV T.L.** |
| Description: | Construct approximately 5.3 miles of 795 ACSR 115 kV transmission line from Dean Forest to Millhaven Annex. |
| Supporting Statement: | Additional voltage support is needed in the Millhaven area under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **ENGLEWOOD – SOUTH TUSCALOOSA 115 KV T.L.** |
| Description: | Construct approximately 9.0 miles of 1033 ACSS 115 kV transmission line at 200°C from Englewood to South Tuscaloosa. |
| Supporting Statement: | The Eutaw – Moundville Tap 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **GOSHEN – MCINTOSH 115 KV T.L.** |
| Description: | Reconductor approximately 8.3 miles along the Goshen – McIntosh 115 kV transmission line with 1351 ACSR at 100°C. |
| Supporting Statement: | The Goshen – McIntosh 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **GREENVILLE – GEORGIANA 115KV T.L.** |
| Description: | Upgrade approximately 11.9 miles of 397 ACSR at 100°C on the Greenville – Georgiana 115 kV transmission line to 125°C operation. |
| Supporting Statement: | The Greenville – Georgiana 115kV transmission line overloads under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **LAMAR – HOPE HULL 115 KV T.L.** |
| Description: | Reconductor approximately 1.3 miles from Lamar Road Tap – Hope Hull 115 kV transmission line with 795 ACSR at 100°C. |
| Supporting Statement: | The West Montgomery – Greenville 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **NORTH COTTONTON CAPACITOR STATION** |
| Description: | Add a 15 MVAR 115 kV capacitor station on the Eufaula – Fort Mitchell 115 kV transmission line between Cottonton TS and Oswichee Tap. |
| Supporting Statement: | Additional voltage support is needed in the Eufaula area. |

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| In-Service Year: | 2016 |
| Project Name: | **NORTHWEST 230/115 KV SUBSTATION** |
| Description: | Replace the 115 kV, 1590 AAC low side jumpers on 230/115 kV transformer Bank A at Northwest substation with jumpers rated for at least 2000 A. |
| Supporting Statement: | The lowside jumpers on 230/115 kV transformer Bank A at Northwest substation overload under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **RICE HOPE SUBSTATION** |
| Description: | Construct a three element 115 kV ring bus called Rice Hope. Terminate the Goshen and Kraft 115 kV transmission lines into the new ring bus. Install a new 115 kV, 45 MVAR capacitor bank. |
| Supporting Statement: | Additional voltage support is needed in the Rice Hope area under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **SOUTH HALL SUBSTATION** |
| Description: | Install 230 kV series bus tie breakers at the South Hall substation. |
| Supporting Statement: | The Gainesville #2 Bank C overloads under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **TUSCALOOSA – BANKHEAD 115 KV T.L.** |
| Description: | Install two (2) 115 kV switches on the Tuscaloosa – Bankhead 115 kV transmission line. Shift Lakeland D.S., Caroll's Creek D.S., and Sokol Park D.S. from the Tuscaloosa – Gorgas 115 kV transmission line to the Tuscaloosa – Bankhead 115 kV transmission line. |
| Supporting Statement: | The Tuscaloosa – Sokol Park – Carroll's Creek 115 kV sections of the Tuscaloosa – Gorgas 115 kV transmission line overload under contingency. |

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| In-Service Year: | 2017 |
| Project Name: | **AMERICUS – NORTH AMERICUS (BLACK) 115 KV T.L.** |
| Description: | Reconductor approximately 3.2 miles along the Americus – North Americus (Black) 115 kV transmission line to 100°C 795 ACSR. |
| Supporting Statement: | The Americus – North Americus (Black) 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2017 |
| Project Name: | **BARRY – CRIST 230 KV T.L.** |
| Description: | Upgrade approximately 31.6 miles along the Barry – Crist 230 kV transmission line to 125°C operation. |
| Supporting Statement: | The Barry – Crist 230 kV transmission line overloads under contingency. |

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| In-Service Year: | 2017 |
| Project Name: | **CLAXTON – STATESBORO PRIMARY 115 KV T.L.** |
| Description: | Reconductor approximately 17.8 miles along the Claxton – Statesboro Primary 115 kV transmission line with 795 ACSR at 100°C. Replace 600 A switches at Langston and Statesboro with 2000 A switches. |
| Supporting Statement: | The Claxton – Statesboro 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2017 |
| Project Name: | **CORN CRIB 230/115 KV SUBSTATION** |
| Description: | Construct a new 230/115 kV substation with a 400 MVA transformer. Loop in the Dyer Road – Thomaston 230 kV, Dyer Road – Thomaston 115 kV, and the Dyer Road – Lagrange 115 kV transmission lines. Terminate the Dyer Road – Newnan #3 Junction 115 kV transmission line. |
| Supporting Statement: | The Lagrange Primary – Yates 115 kV transmission line overloads under contingency. This project also provides voltage support along the Dyer Road – Thomaston 115 kV transmission line. |

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| In-Service Year: | 2017 |
| Project Name: | **DUBLIN AREA IMPROVEMENTS** |
| Description: | Construct approximately 13 miles of 115 kV transmission line from Danville to North Dudley with 795 ACSR at 100°C. Reconductor approximately 8.5 miles along the Jeffersonville to Danville tap 115 kV transmission line with 336 ACSS at 200°C. Construct a three-breaker 115 kV switching station at the Jeffersonville tap point and upgrade approximately 15.2 miles of 115 kV transmission line from the switching station to Bonaire Primary to 100°C operation. Install three breakers at the Beckham Road substation for Vidalia, SE Paper, and Dublin 115 kV transmission lines. Upgrade the 115 kV bus at Soperton Primary. |
| Supporting Statement: | Additional voltage support needed in the Dublin area under contingency. |

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| In-Service Year: | 2017 |
| Project Name: | **GORGAS – JASPER TAP 161 KV T.L.** |
| Description: | Reconductor approximately 15 miles along the Gorgas – Taft Coal – Jasper Tap 161 kV transmission line with 795 ACSR at 100°C. |
| Supporting Statement: | The Gorgas – Taft Coal – Jasper Tap 161 kV transmission line overloads under contingency. |

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| In-Service Year: | 2017 |
| Project Name: | **HAMPTON – MCDONOUGH 115 KV T.L.** |
| Description: | Reconductor approximately 7.5 miles along the McDonough – Hampton 115 kV transmission line with with 1033 ACSR. |
| Supporting Statement: | The Hampton – McDonough tap 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2017 |
| Project Name: | **LAGRANGE PRIMARY – GLASSBRIDGE 115 KV T.L.** |
| Description: | Reconductor approximately 1 mile of the Lagrange 5 to Milliken (Lagrange) segment of the Lagrange Primary – Glassbridge 115 kV transmission line with 795 ACSR at 100°C operation. |
| Supporting Statement: | Network reliability improvement needed in the Lagrange area under contingency. |

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| In-Service Year: | 2017 |
| Project Name: | **SOUTH BIRMINGHAM 115 KV PROJECT** |
| Description: | Construct a 115 kV switching station near Bessemer TS that loops in the existing Bessemer to Magella 115 kV transmission line. Construct another 115 kV switching station by expanding Massey Road DS and looping in the South Jefferson to North Helena 115 kV transmission line. |
| Supporting Statement: | Network reliability improvement needed in the South Birmingham area. |

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| In-Service Year: | 2017 |
| Project Name: | **SOUTH HAZLEHURST SUBSTATION** |
| Description: | Replace 230/115 kV Bank B at South Hazlehurst. |
| Supporting Statement: | The 230/115 kV Bank B at South Hazlehurst overloads under contingency. |

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| In-Service Year: | 2017 |
| Project Name: | **THOMSON PRIMARY – VOGTLE 500 KV T.L.** |
| Description: | Construct approximately 55.0 miles of new 500 kV transmission line from Plant Vogtle to the Thomson Primary 500/230 kV substation. |
| Supporting Statement: | Needed to support the expansion of Plant Vogtle. |

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| In-Service Year: | 2018 |
| Project Name: | **AUBURN – OPELIKA AREA 115 KV T.L. NETWORKING** |
| Description: | Add a new 115 kV switching station at East Loop, a new 115 kV switching station at West North Auburn and construct approximately 4.0 miles of 115 kV transmission line from West North Auburn to Wire Road. Construct a new 115 kV switching station west of Marvyn and a new switching station near Chewacla Tap. Reconductor approximately 1.8 miles of 115 kV transmission line between Opelika #1 and Opelika #3 with 795 ACSR at 100°C. Reconductor approximately 14.5 miles of 115 kV transmission line between Sanford SS – Sonat Tap – Pin Oaks – Beehive Tap – Chewacla with 397.5 ACSS at 200°C. |
| Supporting Statement: | The Opelika #5 – Opelika #8 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2018 |
| Project Name: | **BLAKELY PRIMARY – MITCHELL 115 KV T.L.** |
| Description: | Upgrade approximately 28.4 miles of 115 kV transmission line from Plant Mitchell to Morgan substation to 100°C operation. |
| Supporting Statement: | The Mitchell – Morgan 115 kV transmission line segment overloads under load restoration. |

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| In-Service Year: | 2018 |
| Project Name: | **BONAIRE PRIMARY – KATHLEEN 115 KV T.L.** |
| Description: | Reconductor approximately 5.9 miles of existing 336 ACSR 115 kV transmission line from Bonaire Primary to Kathleen with 795 ACSR at 100°C. |
| Supporting Statement: | The Bonaire Primary – Kathleen 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2018 |
| Project Name: | **BREMEN SUBSTATION** |
| Description: | Install a second 400 MVA 230/115 kV transformer. |
| Supporting Statement: | The Possum Branch – Yates 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2018 |
| Project Name: | **CRISP COUNTY AREA IMPROVEMENTS** |
| Description: | Construct approximately 12 miles of new 636 ACSR, 115 kV transmission line from Crisp #2 (Warwick) – Crisp #8. Add three 115 kV breakers at Warwick to create the North Americus – Crisp #2 and North Tifton – Crisp #2 115 kV circuits. Also, construct a 2.1 mile, 636 ACSR 115 kV transmission line section from Crisp County #8 – Crisp County #6 to create the Crisp #2 – Pitts 115 kV circuit. |
| Supporting Statement: | Additional voltage support needed in the Crisp County area under contingency. |

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| In-Service Year: | 2018 |
| Project Name: | **DALTON – EAST DALTON 115 KV T.L.S** |
| Description: | Replace the 500 Cu main bus and jumpers at Dalton and East Dalton 115 kV substations along the Dalton – East Dalton 115 kV Black and White transmission lines. |
| Supporting Statement: | The Dalton – East Dalton 115 kV Black and White transmission lines overload under contingency. |

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| In-Service Year: | 2018 |
| Project Name: | **FULLER ROAD – LEE COUNTY 115 KV T.L.** |
| Description: | Construct approximately 13 miles of new 795 ACSR at 100°C 115 kV transmission line from Fuller Road (APC) to Lee County (PowerSouth). |
| Supporting Statement: | The Knauff Fiberglass – N. Opelika 115kV transmission line overloads under contingency. The new Fuller Rd – Lee County 115kV transmission line will also provide greater maintenance flexibility on the N. Opelika TS – Lanett DS 115kV corridor. |

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| In-Service Year: | 2018 |
| Project Name: | **MADISON PARK – AUBURN UNIVERSITY (MONTGOMERY) TAP 115 KV T.L.** |
| Description: | Reconductor approximately 1.55 miles of 795 ACSR at 100°C from Madison Park – Auburn University (Montgomery) Tap 115 kV transmission line with 1351 ACSR at 100°C. |
| Supporting Statement: | The Madison Park – Auburn University (Montgomery) Tap 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2018 |
| Project Name: | **MITCHELL DAM – CLANTON LOOP TAP 115 KV T.L.** |
| Description: | Construct approximately 10.3 miles of 115 kV transmission line from Mitchell Dam – Clanton Loop Tap with 795 ACSS at 200°C. |
| Supporting Statement: | The Mitchell Dam – CRH Tap – Clanton Tap 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2018 |
| Project Name: | **NORTH AMERICUS – PERRY 115 KV TRANSMISSION LINE** |
| Description: | Rebuild approximately 43 miles of the existing 115 kV transmission line from North Americus to Perry substation with 795 ACSR at 100°C. |
| Supporting Statement: | The North Americus – Perry 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2018 |
| Project Name: | **PRATTVILLE AREA PROJECT** |
| Description: | Construct approximately 6.5 miles of 795 ACSR 115 kV transmission line at 100°C from County Line Road – Prattville DS. Install new 115 kV terminal at Hunter SS. Construct approximately 2.7 miles of 795 ACSR 115 kV transmission line at 100°C from Hunter SS to GE Burkeville Tap. |
| Supporting Statement: | The West Montgomery – Hunter 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2018 |
| Project Name: | **SHARON SPRINGS 230/115 KV PROJECT** |
| Description: | Construct a new 6.6 mile, 230 kV transmission line from Cumming to Sharon Springs with 1351 ACSR at 100°C. Install a 300 MVA 230/115 kV transformer with two 115 kV breakers at Sharon Springs distribution substation. Terminate 115 kV lines from Hopewell and Suwanee. Install a 230 kV breaker in the Cumming Substation and terminate 230 kV transmission line to Sharon Springs. |
| Supporting Statement: | The Suwanee – Old Atlanta Road section of the transmission line overloads under contingency. The Hopewell – Brandywine section of the transmission line also overloads under contingency. |

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| In-Service Year: | 2018 |
| Project Name: | **THEODORE AREA PROJECT** |
| Description: | Construct approximately 5.3 miles of new 115 kV transmission line to the Praxair Tap from North Theodore and add a switching station near Tronox LLC. Reconductor approximately 1 mile of the Hollinger's Island – Holcim 115 kV transmission line to 795 ACSR at 100°C. |
| Supporting Statement: | The North Theodore – Deer River 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2019 |
| Project Name: | **AULTMAN ROAD – BONAIRE PRIMARY 115 KV T.L.** |
| Description: | Reconductor approximately 3.7 miles of 336 ACSR, 115 kV transmission line along the Bonaire Primary – Peach Blossom section of the Bonaire Primary – Aultman Road 115 kV transmission line with 795 ACSR at 100°C. |
| Supporting Statement: | The Bonaire Primary – Peach Blossom 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2019 |
| Project Name: | **BIO SUBSTATION** |
| Description: | Replace the 1200 A 115 kV breaker on the Avalon Junction – Bio 115 kV transmission line at Bio with a 2000 A breaker. |
| Supporting Statement: | The breaker at Bio on the Avalon Junction 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2019 |
| Project Name: | **DEAL BRANCH – SYLVANIA 115 KV T.L.** |
| Description: | Upgrade approximately 23.1 miles along the Deal Branch – Sylvania 115 kV transmission line to 100°C operation. |
| Supporting Statement: | The Deal Branch – Sylvania 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2019 |
| Project Name: | **DOUGLASVILLE – POST ROAD 115 KV T.L.** |
| Description: | Reconductor approximately 6.0 miles along the Douglasville – Anneewakee Junction section of the Douglasville – Post Road 115 kV transmission line with 1033 ACSR at 100°C. |
| Supporting Statement: | The Douglasville 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2019 |
| Project Name: | **EAST VIDALIA SUBSTATION** |
| Description: | Replace 600 A switch at East Vidalia with a 1200 A switch. |
| Supporting Statement: | The switch at East Vidalia overloads under contingency. |

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| In-Service Year: | 2019 |
| Project Name: | **EASTERN AL AREA 115 KV PROJECT** |
| Description: | Reconductor approximately 5.3 miles of 397 ACSR at 75°C 115 kV transmission line between Gulf States Steel and Rainbow City SS with 795 ACSS at 200°C. Install new 115 kV switching station around Rainbow City. Install new 115 kV terminal at Clay TS. Upgrade the existing 230/115 kV transformer at Clay TS to 477 MVA. Construct approximately 34 miles of 795 ACSS at 200°C between Clay TS and the new Rainbow City SS. |
| Supporting Statement: | Addresses high loadings and provides maintenance capability for several 115 kV transmission lines in the Gadsden area. |

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| In-Service Year: | 2019 |
| Project Name: | **GORDON – SANDERSVILLE #1 115 KV T.L.** |
| Description: | Upgrade the 30 mile section from Gordon to Robins Spring along the Gordon – Sandersville #1 115 kV transmission line from 50°C to 100°C operation. |
| Supporting Statement: | The Gordon – Robins Spring section of the Gordon – Sandersville #1 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2019 |
| Project Name: | **HOLT – SOUTH BESSEMER 230 KV T.L.** |
| Description: | Construct approximately 25 miles of 1351 ACSS 230 kV transmission line at 200°C from Holt to South Bessemer. Install a 400 MVA, 230/115 kV transformer along the new Holt – South Bessemer 230 kV transmission line and construct approximately 1.0 mile of new 115 kV transmission line to the existing Daimler DS with 795 ACSR at 100°C. |
| Supporting Statement: | The South Tuscaloosa – 31st Avenue 115 kV transmission line overloads under contingency. This project also provides increased reliability, operational, and maintenance flexibility for the Tuscaloosa Area. |

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| In-Service Year: | 2019 |
| Project Name: | **KETTLE CREEK PRIMARY – PINE GROVE PRIMARY 115 KV T.L.** |
| Description: | Upgrade approximately 20 miles along the Kettle Creek – Pine Grove 115 kV transmission line from 50°C to 75°C operation. |
| Supporting Statement: | The Kettle Creek – Pine Grove 115 kV transmission line overloads under contingency |

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| In-Service Year: | 2019 |
| Project Name: | **MCINTOSH – MCINTOSH CC #10 230 KV T.L.** |
| Description: | Reterminate McIntosh CC #10 from West McIntosh to the McIntosh 230/115 kV substation. |
| Supporting Statement: | The McIntosh – West McIntosh 230 kV (Black) transmission line overloads under contingency. |

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| In-Service Year: | 2019 |
| Project Name: | **STATESBORO PRIMARY – WADLEY PRIMARY 115 KV T.L.** |
| Description: | Upgrade approximately 17.0 miles along the Nunez tap – Stillmore – Metter section of the Statesboro – Wadley Primary 115 kV transmission line from 50°C to 100°C operation. Replace the 600 A line switches at the Nunez Tap with 2000 A switches. Replace 600 A switches at Wadley Primary with 2000 A switches. |
| Supporting Statement: | The Nunez tap – Stillmore – Metter section of the Statesboro – Wadley Primary 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2019 |
| Project Name: | **WADLEY PRIMARY 500/230 KV SUBSTATION** |
| Description: | Construct a new 500 kV substation on the Vogtle – Warthen 500 kV transmission line. Install a 2016 MVA, 500/230 kV transformer that ties to the Wadley Primary 230 kV bus. Upgrade the 230 kV bus at Wadley Primary with 2-1590 AAC. |
| Supporting Statement: | Project to enhance reliability in the Augusta area and to support the expansion of Plant Vogtle. |

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| In-Service Year: | 2020 |
| Project Name: | **BILOXI OAK STREET SUBSTATION** |
| Description: | Construct a new 115/23 kV substation at Biloxi Oak street and loop in the Percy Street – Keesler 115 kV transmission line. |
| Supporting Statement: | This project is needed to support area load growth. |

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| In-Service Year: | 2020 |
| Project Name: | **BRUNSWICK – ST SIMONS 115 KV T.L.** |
| Description: | Reconductor approximately 2.3 miles along the Brunswick – Stonewall Street section of the Brunswick – St. Simons 115 kV transmission line using 795 ACSR at 100°C. Replace three 600 A switches at Brunswick with 1200 A switches. |
| Supporting Statement: | The Brunswick – St. Simons 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2020 |
| Project Name: | **DANIEL SIDING – LITTLE OGEECHEE 115 KV T.L.** |
| Description: | Reconductor approximately 9.6 miles of the Daniel Siding – Little Ogeechee section of the Hinesville Primary – Little Ogeechee 115 kV transmission line with bundled (2) 336 ACSS at 160°C. |
| Supporting Statement: | The Daniel Siding – Little Ogeechee 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2020 |
| Project Name: | **EAST POINT – WILLINGHAM DRIVE 115 KV T.L.** |
| Description: | Reconductor approximately 2.7 miles of existing 636 ACSR 115 kV transmission line along the East Point – Willingham Drive 115 kV transmission line with 1033 ACSR at 100°C. |
| Supporting Statement: | The East Point – East Point #4 section of the East Point – Willingham Drive 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2020 |
| Project Name: | **FIFE 115 KV SUBSTATION** |
| Description: | Install a 115 kV, 35 MVAR capacitor bank at the Fife substation. |
| Supporting Statement: | Additional voltage support is needed in the Fife area under contingency. |

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| In-Service Year: | 2020 |
| Project Name: | **HOLMES CREEK SUBSTATION** |
| Description: | Install a 90 MVAR 230 kV filtered capacitor bank at Holmes Creek. |
| Supporting Statement: | Additional voltage support is needed in the Holmes Creek area. |

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| In-Service Year: | 2020 |
| Project Name: | **JACK MCDONOUGH – WEST MARIETTA (WHITE) 115 KV T.L.** |
| Description: | Reconductor approximately 4.0 miles of 115 kV transmission line from Plant McDonough to King Springs Road with 1033 ACSR at 100°C. Replace the 750 AAC jumpers at King Springs Road with 1590 AAC. |
| Supporting Statement: | The Jack McDonough – King Springs Road transmission line overloads under contingency. |

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| In-Service Year: | 2020 |
| Project Name: | **MERIDIAN INDUSTRIAL SUBSTATION** |
| Description: | Construct a new 115/12 kV substation by tapping the Meridian NE – Vimville 115 kV transmission line. |
| Supporting Statement: | Needed to support area load growth. |

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| In-Service Year: | 2020 |
| Project Name: | **MOSS POINT ELDER FERRY SUBSTATION** |
| Description: | Retire the Moss Point Elder Ferry 230/23 kV transformers and replace with 115 kV service by tapping the Wade – Moss Point East 115 kV transmission line. |
| Supporting Statement: | Needed to support area load growth. |

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| In-Service Year: | 2020 |
| Project Name: | **NORTH DUBLIN SUBSTATION** |
| Description: | Replace the 230/115 kV 140 MVA Bank A transformer at North Dublin substation with a new 300 MVA transformer. |
| Supporting Statement: | The existing Bank A transformer at North Dublin overloads under contingency. |

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| In-Service Year: | 2021 |
| Project Name: | **EAST POINT – CAMP CREEK 115 KV T.L.** |
| Description: | Rebuild the 397 ACSR portion of the East Point to Ben Hill tap section of the East Point – Camp Creek 115 kV transmission line with 1351 ACSR at 100°C using 230 kV specifications. Replace the existing 600 A switches at East Point with 2000 A switches. |
| Supporting Statement: | The East Point to Ben Hill tap section of the East Point – Camp Creek 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2021 |
| Project Name: | **MCEVER ROAD – SHOAL CREEK 115 KV T.L.** |
| Description: | Reconductor approximately 19.6 miles of 115 kV transmission line along the McEver Road – Shoal Creek 115 kV transmission line with 1351 ACSR at 100°C. |
| Supporting Statement: | The McEver Road – Shoal Creek 115 kV tansmission line overloads under contingency |

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| In-Service Year: | 2021 |
| Project Name: | **WAYNESBORO 230/115 KV SUBSTATION** |
| Description: | Install a second 300 MVA, 230/115 kV transformer, 230 kV series bus tie breakers, and a 115 kV bus tie breaker at Waynesboro Primary substation. |
| Supporting Statement: | The Waynesboro 230/115 kV transformer overloads under contingency. The Wadley Primary – Waynesboro Primary 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2022 |
| Project Name: | **SHOAL RIVER SUBSTATION** |
| Description: | Install a 2nd +/- 100 MVAR SVC at Shoal River substation. |
| Supporting Statement: | Additional voltage support is needed in the Shoal River area. |

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| In-Service Year: | 2023 |
| Project Name: | **ANTHONY SHOALS – WASHINGTON 115 KV T.L.** |
| Description: | Rebuild approximately 15.1 miles along the Anthony Shoals – Buckhead Point – Double Branches Tap 115 kV transmission line sections with 795 ACSR at 100°C operation. Replace the line switch at Delhi Tap with a 2000 A switch. |
| Supporting Statement: | The Anthony Shoals – Buckhead Point – Double Branches Tap 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2023 |
| Project Name: | **ARNOLD MILL – HOPEWELL 230 KV T.L.** |
| Description: | Construct approximately 14.7 miles of 230 kV transmission line from Arnold Mill to Hopewell. Convert Batesville Road and Birmingham substations from 115 kV highside to 230 kV highside. Install one new 230 kV breaker at Hopewell and three new 230 kV breakers at Arnold Mill. |
| Supporting Statement: | The Holly Springs – Hopewell 115 kV transmission line overloads under contingency. Also, additional voltage support is needed at Windward under contingency. |

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| In-Service Year: | 2023 |
| Project Name: | **AULTMAN ROAD – BONAIRE 115 KV T.L.** |
| Description: | Reconductor approximately 2.0 miles along the Sleepy Hollow – Peach Blossom 115 kV transmission line section of the Aultman Road – Bonaire 115 kV transmission line with 795 ACSR at 100°C. |
| Supporting Statement: | The Bonaire – Peach Blossom 115 kV transmission line section overloads under contingency. |

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| In-Service Year: | 2023 |
| Project Name: | **AULTMAN ROAD – DORSETT 115 KV T.L.** |
| Description: | Upgrade approximately 2.2 miles along the Aultman Road – Northrop Junction section of the Aultman Road – Dorsett 115 kV transmission line to 100°C operation. |
| Supporting Statement: | The Aultman Road – Dorsett 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2023 |
| Project Name: | **AUSTIN DRIVE – MORROW 115 KV T.L.** |
| Description: | Reconductor approximately 2.0 miles of existing 795 ACSR with 795 ACSS at 200°C along the Morrow – Ellenwood section of the Austin Drive – Morrow 115 kV transmission line. Replace switches and jumpers at Ellenwood and Morrow. |
| Supporting Statement: | The Morrow – Ellenwood section of the Austin Drive – Morrow 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2023 |
| Project Name: | **BELLEVILLE – NORTH BREWTON 230 KV T.L.** |
| Description: | Construct approximately 15 miles of 230 kV transmission line from Belleville to North Brewton TS with 1351 ACSS at 200°C. |
| Supporting Statement: | The Barry – McIntosh 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2023 |
| Project Name: | **BRUNSWICK – EAST BEACH 115 KV T.L.** |
| Description: | Reconductor approximatley 1.7 miles along the Brunswick – East Beach 115 kV transmission line with 795 ACSR at 100°C. |
| Supporting Statement: | The Brunswick – East Beach transmission line overloads under contingency. |

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| In-Service Year: | 2023 |
| Project Name: | **CLAY – LEEDS 230 KV T.L.** |
| Description: | Upgrade approximately 17.3 miles along the Clay – Leeds 230 kV transmission line to 125°C operation. |
| Supporting Statement: | The Clay – Leeds 230 kV transmission line overloads under contingency. |

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| In-Service Year: | 2023 |
| Project Name: | **DOTHAN – WEBB 115 KV T.L.** |
| Description: | Reconductor approximately 6.68 miles of 115 kV transmission line from Webb – ECI Webb – Dothan with 1351 ACSS at 160°C. |
| Supporting Statement: | The Dothan – Webb 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2023 |
| Project Name: | **DYER ROAD – SOUTH COWETA 115 KV T.L.** |
| Description: | Reconductor approximatley 9.5 miles along the Dyer Road – South Coweta 115 kV transmission line with 1351 ACSR at 100°C. |
| Supporting Statement: | The Dyer Road – South Coweta 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2023 |
| Project Name: | **EVANS PRIMARY – THOMSON PRIMARY 115 KV T.L.** |
| Description: | Reconductor approximately 4.2 miles of 115 kV transmission line along the Evans – Patriots Park section of the Evans Primary – Thomson Primary 115 kV transmission line with 795 ACSR at 100°C. Replace 336 ACSR jumper at 100°C with 795 ACSR at 100°C. |
| Supporting Statement: | The Evans Primary – Thomson Primary 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2023 |
| Project Name: | **HARRIS – NORTH SELMA 230 KV T.L.** |
| Description: | Upgrade approximately 26 miles of the Autaugaville (Harris SS) – North Selma 230 kV transmission line from 75°C to 100°C operation. |
| Supporting Statement: | The Harris – North Selma 230 kV transmission line overloads under contingency. |

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| In-Service Year: | 2023 |
| Project Name: | **MCCONNELL ROAD – SOUTH ACWORTH 115 KV T.L.** |
| Description: | Reconductor approximately 4.7 miles along the Mcconnell Road – South Acworth 115 kV transmission line with 1351 ACSR at 100°C. |
| Supporting Statement: | The Mcconnell Road – South Acworth 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2023 |
| Project Name: | **MCMANUS – WEST BRUNSWICK 115 KV (BLACK) T.L.** |
| Description: | Construct approximately 8.0 miles of new 795 ACSR 115 kV transmission line from West Brunswick to a new point that taps the McManus – Darien 115 kV transmission line. |
| Supporting Statement: | Additional voltage support is needed in the Riceboro area under contingency. |

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| In-Service Year: | 2023 |
| Project Name: | **NORCROSS – OCEE 230 KV T.L** |
| Description: | Reconductor approximately 3.7 miles along the Norcross – Ocee 230 kV line with 1033 ACSS at 160°C. |
| Supporting Statement: | The Norcross – Ocee 230 kV transmission line overloads under contingency. |

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| In-Service Year: | 2023 |
| Project Name: | **NORTH BREWTON T.S. – NORTH BREWTON D.S. 115 KV T.L.** |
| Description: | Construct approximately 6.0 miles of 115 kV transmission line from North Brewton T.S. – North Brewton D.S. with 795 ACSS at 100°C. |
| Supporting Statement: | The North Brewton TS – Brewton Tap 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2023 |
| Project Name: | **SINCLAIR DAM – WARRENTON 115 KV T.L.** |
| Description: | Reconductor approximately 17.4 miles of 115 kV transmission line along the Sinclair Dam – Warrenton 115 kV transmission line with 795 ACSR at 100°C. |
| Supporting Statement: | The Sinclair Dam – Warreton 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2023 |
| Project Name: | **SOUTH COWETA – SOUTH GRIFFIN 115 KV T.L.** |
| Description: | Reconductor approximately 5.0 miles of 115 kV transmission line along the South Coweta – Brooks section of the South Coweta – South Griffin 115 kV transmission line with 1033 ACSR at 100°C. |
| Supporting Statement: | The South Coweta – Brooks section of the South Coweta – South Griffin 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2024 |
| Project Name: | **BRUNSWICK – EAST BEACH (SEA ISLAND) 115 KV T.L.** |
| Description: | Upgrade approximately 1.6 miles along the Frederica tap – Sea Island section of the Brunswick – East Beach 115 kV transmission line to 75°C operation. |
| Supporting Statement: | The Brunswick – East Beach 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2024 |
| Project Name: | **BULL CREEK – FIRST AVENUE 115 KV T.L.** |
| Description: | Reconductor approximately 4.7 miles along the Bull Creek – First Avenue 115 kV transmission line with 795 ACSS at 160°C. |
| Supporting Statement: | The Bull Creek – First Avenue 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2024 |
| Project Name: | **BULL CREEK – VICTORY DRIVE 115 KV T.L.** |
| Description: | Reconductor approximately 2.5 miles along the Bull Creek – Victory Drive 115 kV transmission line with 795 ACSR at 100°C. |
| Supporting Statement: | The Bull Creek – Victory Drive 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2024 |
| Project Name: | **CHICKASAW – BLAKELY ISLAND 115 KV T.L.** |
| Description: | Reconductor approximately 0.57 miles of 115 kV transmission line from Kimberly Clark – Blakely Island with 1033 ACSS at 160°C. |
| Supporting Statement: | The Chickasaw – Blakely Island 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2024 |
| Project Name: | **CONYERS – CORNISH MOUNTAIN 115 KV T.L.** |
| Description: | Reconductor approximately 4.8 miles along the Conyer – Cornish Mounain 115 kV transmission line with 795 ACSS at 160°C. |
| Supporting Statement: | The Conyers – Cornish Mountain 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2024 |
| Project Name: | **FIRST AVENUE – NORTH COLUMBUS 115 KV T.L.** |
| Description: | Reconductor approximately 0.9 miles along the First Avenue – North Columbus 115 kV transmission line with 795 ACSR at 100°C. |
| Supporting Statement: | The North Columbus – First Avenue 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2024 |
| Project Name: | **FIRST AVENUE SUBSTATION** |
| Description: | Replace the First Avenue 300 MVA, 230/115 kV transformer #6 with a 400 MVA transformer. |
| Supporting Statement: | The First Avenue 230/115 kV transformer #6 overloads under contingency. |

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| In-Service Year: | 2024 |
| Project Name: | **LAUREL EAST 230/115KV AUTO** |
| Description: | Replace the Laurel East 230/115 kV transformer with a 400 MVA transformer. |
| Supporting Statement: | The 230/115 kV transformer at Laurel East overloads under contingency. |

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| In-Service Year: | 2024 |
| Project Name: | **LINE CREEK – SOUTH COWETA 115KV T.L.** |
| Description: | Reconductor approximately 3 miles along the Line Creek – South Coweta 115 kV transmission line with 1351 ACSR at 100°C. |
| Supporting Statement: | The Line Creek – South Coweta 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2024 |
| Project Name: | **RUSSELL – ATHENA – BETHABARA 230 KV T.L.S** |
| Description: | Construct approximately 65 miles of 230 kV transmission line from Russel Dam to Athena with bundled (2) 1351 ACSR at 100°C and from Athena to Bethabara with 1351 ACSR at 100°C. |
| Supporting Statement: | The Russell – East Watkinsville 230 KV transmission line overloads under contingency. |

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| In-Service Year: | 2024 |
| Project Name: | **UNION CITY – YATES 230 KV WHITE T.L.** |
| Description: | Reconductor approximately 23 miles along the Union City – Yates White 230 kV transmission line with 1351 ACSR at 100°C. |
| Supporting Statement: | The Union City – Yates 230 kV transmission line overloads under contingency. |

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| In-Service Year: | 2025 |
| Project Name: | **BRENTWOOD – SCENIC HILLS #2 115 KV T.L.** |
| Description: | Reconductor 4.8 miles of existing 1033 ACSR 115 kV transmission line with 1033 ACSS at 200°C from Brentwood to Scenic Hills 115 kV #2 transmission line. |
| Supporting Statement: | The Brentwood – Scenic Hills #2 115 kV transmission line overloads under contingency. |

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| In-Service Year: | 2025 |
| Project Name: | **FAYETTE – GORGAS 161 KV T.L.** |
| Description: | Rebuild approximately 36.7 miles along the Fayette – Gorgas 161 kV transmission line with 795 ACSS at 160°C. |
| Supporting Statement: | The Fayette – Gorgas 161 kV transmission line overloads under contingency. |

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| In-Service Year: | 2025 |
| Project Name: | **MILLER – BOYLES 230 KV T.L.** |
| Description: | Upgrade approximately 17.9 miles along the Miller – Boyles 230 kV transmission line to 125°C operation. |
| Supporting Statement: | The Miller – Boyles 230 kV transmission line overloads under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **CROSS PLAINS 161 KV SUBSTATION** |
| Description: | Install a capacitor bank of 4, 9.0 MVAR capacitors at the Cross Plains, TN 161 kV substation. |
| Supporting Statement: | Additional voltage support needed in the Cross Plains, TN area under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **DAVIDSON 500 KV SUBSTATION** |
| Description: | Install a +300/-150 MVAR SVC at the Davidson, TN 500 kV substation. |
| Supporting Statement: | Retirement of Johnsonville FP Units 1-10 results in the need for dynamic reactive support in the Johnsonville area. |

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| In-Service Year: | 2016 |
| Project Name: | **EAST BOWLING GREEN 161 KV SUBSTATION** |
| Description: | Install a capacitor bank of 4, 45.0 MVAR capacitors at the E. Bowling Green 161 kV substation. |
| Supporting Statement: | Additional voltage support needed in the Bowling Green, KY area under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **HOPKINSVILLE 161 KV SUBSTATION** |
| Description: | Install a capacitor bank of 5, 54.0 MVAR capacitors at Hopkinsville 161 kV substation. |
| Supporting Statement: | Additional voltage support needed in the Hopkinsville, KY area under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **JACKSBORO, TN 161 KV SUBSTATION** |
| Description: | Install a capacitor bank of 5, 9.0 MVAR capacitors at new switching station between the Royal Blue, TN and Caryville, TN delivery points. |
| Supporting Statement: | Additional voltage support needed in the Caryville, TN area under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **PARADISE FP SUBSTATION** |
| Description: | Install a 161 kV capacitor bank of 4, 63.0 MVAR capacitors at Paradise FP Substation. |
| Supporting Statement: | Additional voltage support needed in the Paradise, KY area under contingency. |

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| In-Service Year: | 2016 |
| Project Name: | **UNION – TUPELO #3 161 KV T.L.** |
| Description: | Construct approximately 15.5 miles of the new Union – Tupelo #3 161 kV transmission line with 954 ACSR at 100°C. |
| Supporting Statement: | Multiple transmission lines in the Tupelo, MS area overload under contingency. |

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| In-Service Year: | 2017 |
| Project Name: | **JOHNSONVILLE FP SUBSTATION** |
| Description: | Install a 500/161 kV inter-tie transformer bank at the Johnsonville Fossil Plant substation. |
| Supporting Statement: | The retirement of Johnsonville units 1-10 requires the replacement of the 500/161 kV inter-tie transformer bank at Johnsonville. |

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| In-Service Year: | 2017 |
| Project Name: | **JOHNSONVILLE FP SUBSTATION** |
| Description: | Install a capacitor bank of 5, 36.0 MVAR capacitors at the Johnsonville Fossil Plant substation. |
| Supporting Statement: | Retirement of Johnsonville FP Units 1-10 will result in the need for additional voltage support in the Johnsonville area. |

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| In-Service Year: | 2017 |
| Project Name: | **JOHNSONVILLE FP SUBSTATION** |
| Description: | Reconfigure the Johnsonville Fossil Plant substation. Project includes the retermination of a transmission line and transformer, along with various breaker and terminal equipment modifications. |
| Supporting Statement: | Thermal overloads occur in the Columbia, TN and Bowling Green, KY areas under contingency. |

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| In-Service Year: | 2017 |
| Project Name: | **SELMER – W. ADAMSVILLE 161 KV T.L.** |
| Description: | Construct approximately 15 miles of 161 kV transmission line from Selmer to W. Adamsville with 954 ACSR at 100°C. |
| Supporting Statement: | Additional voltage support needed in the Bolivar, TN area under contingency. |

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| In-Service Year: | 2017 |
| Project Name: | **SUMMER SHADE – GREEN RIVER 161 KV T.L.** |
| Description: | Reconductor approximately 0.1 miles of transmission line between the Summer Shade and Green River 161 kV substations with 795 ACSR at 100°C. |
| Supporting Statement: | The Summer Shade – Green River 161 kV transmission line overloads under contingency. |

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| In-Service Year: | 2017 |
| Project Name: | **SWAMP CREEK – FULLER 115 KV T.L.** |
| Description: | Construct approximately 19.2 miles of new 115 kV transmission line to create the Swamp Creek – Fuller 115 kV transmission line with 1351 ACSR at 100°C. |
| Supporting Statement: | Additional voltage support needed in the northern GA area under contingency. |

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| In-Service Year: | 2018 |
| Project Name: | **NASHVILLE AREA IMPROVEMENT PLAN** |
| Description: | Install an additional 1254 MVA, 500/161 kV transformer bank at the Pin Hook 500 kV substation. Reconductor the Nolensville Road – Elysian Fields 161 kV transmission line with 636 ACSS at 150°C. Reconductor the Murfreesboro Road – Airport 161 kV transmission line with 636 ACSS at 150°C. Reconductor the Blackman Tap – Smyrna 161 kV transmission line with 636 ACSS at 150°C. Construct the Montgomery – Clarksville #3 161 kV transmission line with 1590 ACSS at 150°C. |
| Supporting Statement: | Thermal overloads and additional voltage support needed in the Nashville area under contingency. |

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| In-Service Year: | 2018 |
| Project Name: | **PLATEAU 500 KV SUBSTATION** |
| Description: | Construct the Plateau 500 kV substation by looping in the Wilson – Roane 500 kV and West Cookeville – Rockwood 161 kV transmission lines. |
| Supporting Statement: | Thermal overload and need for additional voltage support in the Murfreesboro, TN and Knoxville, TN areas under contingency. |

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| In-Service Year: | 2019 |
| Project Name: | **ALCOA SS – NIXON ROAD 161 KV T.L.** |
| Description: | Rebuild approximately 12 miles of the Alcoa North – Nixon Road 161 kV transmission line with 1590 ACSR at 100°C and construct approximately 2 miles of new transmission line to create the Alcoa SS – Nixon Rd 161 kV #2 transmission line. |
| Supporting Statement: | The Alcoa Switching Station – Nixon Road 161 kV transmission line overloads under contingency. |

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| In-Service Year: | 2019 |
| Project Name: | **HARRIMAN, TN 161 KV SUBSTATION** |
| Description: | Install breakers at the Harriman, TN 161 kV substation. |
| Supporting Statement: | Additional voltage support is needed in the Harriman, TN area under contingency. |

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| In-Service Year: | 2019 |
| Project Name: | **RED HILLS – LEAKE 161 KV T.L.** |
| Description: | Construct approximately 60 miles of the new Red Hills – Leake 161 kV transmission line with 954 ACSR at 100°C. |
| Supporting Statement: | Multiple 161 kV transmission lines in the lower MS area overload under contingency and additional voltage support is needed in the lower MS area under contingency. |

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| In-Service Year: | 2019 |
| Project Name: | **WIDOWS CREEK FP SUBSTATION** |
| Description: | Install a second 500/161 kV transformer at the Widows Creek Fossil Plant substation. |
| Supporting Statement: | Multiple transmission lines overload and additional voltage support needed in the Huntsville, AL area under contingency. |

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| In-Service Year: | 2020 |
| Project Name: | **BLUFF CITY – ELIZABETHTON 161 KV T.L.** |
| Description: | Construct approximately 12 miles of 161 kV transmission line from Bluff City to Elizabethton with 954 ACSR at 100°C. |
| Supporting Statement: | Additional voltage support is needed in the Elizabethton, TN area under contingency. |

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| In-Service Year: | 2020 |
| Project Name: | **HOLLY SPRINGS, MS 161 KV SUBSTATION** |
| Description: | Install a capacitor bank of 3, 27 MVAR capacitors at the Holly Springs, MS 161 kV switching station. |
| Supporting Statement: | Additional voltage support needed in the N. Haven, MS area under contingency. |

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| In-Service Year: | 2020 |
| Project Name: | **OAKWOOD – CUMBERLAND 161 KV T.L.** |
| Description: | Construct approximately 16 miles of 161 kV transmission line from Oakwood to Cumberland with 795 ACSR at 100°C. |
| Supporting Statement: | Additional voltage support is needed in the Oakwood, TN area under contingency. |

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| In-Service Year: | 2020 |
| Project Name: | **WEST COOKEVILLE 161 KV SUBSTATION** |
| Description: | Upgrade terminal equipment to 335 MVA at the West Cookeville 161 kV substation. |
| Supporting Statement: | The West Cookeville – South Cookeville 161 kV transmission line overloads under contingency. |

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| In-Service Year: | 2023 |
| Project Name: | **UNION – CLAY 500 KV T.L.** |
| Description: | Construct approximately 50 miles of the Union – Clay 500 kV transmission line using 3-bundled 954 ACSR at 100°C. |
| Supporting Statement: | Multiple transmission lines overload and additional voltage support is needed in the MS area under contingency. |

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| In-Service Year: | 2025 |
| Project Name: | **HUNTSVILLE, AL 161 KV SUBSTATION** |
| Description: | Upgrade terminal equipment to 335 MVA at the Huntsville, AL 161 kV substation. |
| Supporting Statement: | Multiple 161 kV transmission lines at the Huntsville, AL 161 kV substation overload under contingency. |

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| In-Service Year: | 2025 |
| Project Name: | **INTERCHANGE CITY – HURRICANE CREEK 161 KV T.L.** |
| Description: | Reconductor approximately 4 miles of Hurricane Creek – Interchange City 161 kV transmission line with 954 ACSS at 125°C. |
| Supporting Statement: | The Hurricane Creek – Interchange City 161 kV transmission line overloads under contingency. |

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| In-Service Year: | 2025 |
| Project Name: | **NORTH BRISTOL 138 KV SUBSTATION** |
| Description: | Install a capacitor bank of 4, 9.0 MVAR capacitors at the North Bristol 138 kV substation. |
| Supporting Statement: | Additional voltage support is needed in the North Bristol area under contingency. |

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| In-Service Year: | 2025 |
| Project Name: | **WOODBURY 161 KV SUBSTATION** |
| Description: | Install a capacitor bank of 5, 9.0 MVAR 161 kV capacitors at the Woodbury, TN substation. |
| Supporting Statement: | Additional voltage support needed in the area under contingency. |