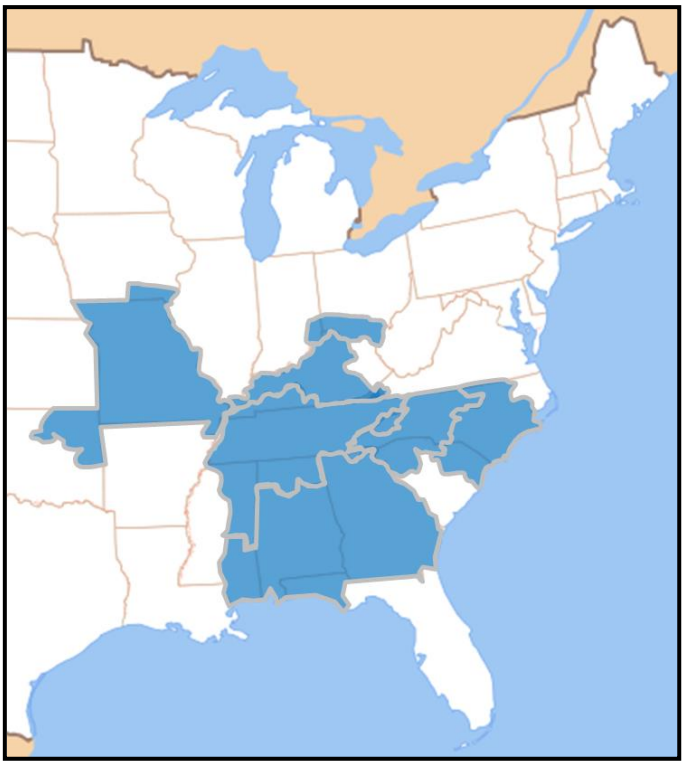
Southeastern Regional Transmission Planning (SERTP)

PRELIMINARY 10 YEAR TRANSMISSION EXPANSION PLANS



June 17, 2014

Southeastern Regional TRANSMISSION PLANNING

PRELIMINARY 10 YEAR TRANSMISSION EXPANSION PLANS

TABLE OF CONTENTS [1]

[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.

In-Service Year:	2015
Project Name:	**AVENUE CITY 161 KV SUBSTATION**
Description:	Construct a new Avenue City substation connecting to KCPL's St. Joe – Midway 161 kV transmission line.
Supporting Statement:	Serve new load on system.

In-Service Year:	2015
Project Name:	**LOST VALLEY – TURKEY CREEK 161 KV T.L.**
Description:	Construct approximately 7 miles of 161 kV transmission line from Lost Valley to Turkey Creek with 795 ACSR at 100°C and install an 84 MVA 161/69 kV transformer at Turkey Creek on the Warsaw – Knobby 69 kV transmission line.
Supporting Statement:	The Greenview – J-7 69 kV transmission line overloads under contingency. Also, 69 kV voltage support needed in the Iconium area under contingency.

In-Service Year:	2015
Project Name:	**REMINGTON – RALSTON BEND 138 KV T.L.**
Description:	Construct approximately 20 miles of 795 ACSR 138 kV transmission line at 100°C from Remington – Ralston Bend.
Supporting Statement:	Additional capacity required for Distribution Cooperative to accommodate load growth.

In-Service Year:	2015
Project Name:	**ROGERSVILLE 161 KV SUB, HOLMAN – ROGERSVILLE 161 KV T.L.**
Description:	Construct approximately 7.2 miles of 795 ACSR 161 kV transmission line at 100°C from Holman – Rogersville and install a 56 MVA 161/69 kV transformer at Rogersville.
Supporting Statement:	The Cody – Rogersville and Sparta – Rogersville 69 kV transmission lines become overloaded under contingency and voltage support needed at Rogersville under contingency.

In-Service Year:	2015
Project Name:	**CENTRAL – LEE 100 KV T.L.**
Description:	Upgrade terminal equipment with 2000 A equipment and replace breaker at Piercetown with a 2000 A breaker.
Supporting Statement:	The Central – Lee 100 kV transmission line overloads under contingency.

In-Service Year:	2015
Project Name:	**MCGUIRE – RIVERBEND 230 KV T.L.**
Description:	Reconductor approximately 6 miles of the McGuire – Riverbend 230 kV transmission line with 1533 ACSS at 200°C.
Supporting Statement:	The McGuire – Riverbend 230 kV transmission line overloads under contingency.

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.

In-Service Year:	2016
Project Name:	**NORTH GREENSBORO 230/100 KV SUBSTATION**
Description:	Add a fourth 448 MVA 230/100 kV transformer at Greensboro substation.
Supporting Statement:	The North Greensboro 230/100 kV transformer overloads under contingency.

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.

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.

In-Service Year:	2017
Project Name:	**LAWSONS FORK – WEST SPARTANBURG 100 KV T.L.**
Description:	Upgrade approximately 1 mile along the Lawsons Fork – West Spartanburg 100 kV transmission line from Lawsons Fork Tie to Pinewood Ret to bundled 477 ACSR at 120°C.
Supporting Statement:	The Lawsons Fork – West Spartanburg 100 kV transmission line overloads under contingency.

In-Service Year:	2017
Project Name:	**NORTH CHARLOTTE – LAKEWOOD 100 KV T.L.**
Description:	Reconductor approximately 5 miles of the North Charlotte – Lakewood 100 kV transmission line from Lakewood to Bancroft Ret with bundled 954 ACSR at 120°C.
Supporting Statement:	The North Charlotte – Lakewood 100 kV transmission line overloads under contingency.

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.

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 with a generation outage.

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.

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.

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 on generation outage.

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.

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:	Cliffside Steam Station 230/100 kV transformer overloads under contingency.

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.

In-Service Year:	2021
Project Name:	**WALNUT COVE – RURAL HALL 100 KV T.L.**
Description:	Split 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.

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.

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.

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.

In-Service Year:	2015
Project Name:	**FAYETTEVILLE – FAYETTEVILLE EAST 230 KV T.L.**
Description:	Replace two 1600 A switches with two switches of at least 2000 A capability at the Fayetteville East 230 kV Switching Station, on the Fayetteville – Fayetteville East 230 kV transmission line. Replace the 1600 A line trap and breaker with equipment of at least 2000 A capability at Fayetteville.
Supporting Statement:	The Fayetteville – Fayetteville East 230 kV transmission line overloads under contingency.

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 or equivalent conductor. 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.

In-Service Year:	2016
Project Name:	**FALLS 230 KV SUBSTATION**
Description:	Install a 200 (or 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.

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.

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.

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.

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.

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 or equivalent conductor. 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.

In-Service Year:	2020
Project Name:	**JACKSONVILLE – HARMON AREA 230 KV T.L.**
Description:	Add a new 230 kV transmission line from Jacksonville 230 kV to a new 230 kV substation in the Harmon area with bundled 6-1590 ACSR or equivalent. Build the new 230 kV Harmon substation with four 230 kV breakers and a new 200 (or 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.

In-Service Year:	2020
Project Name:	**NEWPORT AREA – HARLOWE 230 KV T.L.**
Description:	Construct a new 230 kV switching station in the Newport Area, construct a new 230 kV substation in the Harlowe Area, and construct the Newport Area – Harlowe Area 230 kV transmission line with 3-1590 ACSR or equivalent.
Supporting Statement:	Voltage support is needed in Havelock – Morehead area.

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.

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.

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.

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

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.

In-Service Year:	2018
Project Name:	**ASHEVILLE PLANT SUBSTATION**
Description:	Replace the 230 kV breakers at Asheville substation with 3000 A minimum breakers to accommodate the installation of combustion turbine units at Asheville S.E. Plant.
Supporting Statement:	Asheville Plant Switchyard modifications are required to accommodate generation.

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

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.

In-Service Year:	2019
Project Name:	**JEFFERSONTOWN TAP – WATTERSON 138 KV T.L.**
Description:	Replace the 1200 A CTs, the 954 MCM 37X AA bus conductor, and 750 MCM 37X CU jumper conductors at Watterson with equipment and conductor capable of at least 1400A.
Supporting Statement:	The Jeffersontown Tap – Watterson 138 kV transmission line overloads under contingency.

In-Service Year:	2019
Project Name:	**PLAINVIEW TAP – PLAINVIEW 138 KV T.L.**
Description:	Upgrade 1.57 miles of 1272 AA conductor on the Plainview tap – Plainview section of the Middletown – Beargrass 138 kV transmission line to 100°C operation.
Supporting Statement:	The Plainview Tap – Plainview 138 kV transmission line overloads under contingency.

In-Service Year:	2019
Project Name:	**WEST LEXINGTON – VILEY ROAD 138 KV T.L.**
Description:	Reconductor approximately 5.19 miles of 795 MCM 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 1500 A.
Supporting Statement:	The West Lexington – Viley Road 138 kV transmission line overloads under contingency.

In-Service Year:	2021
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.

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.

In-Service Year:	2021
Project Name:	**MIDDLETOWN – JEFFERSONTOWN TAP 138 KV T.L.**
Description:	Replace the 1200 A switches at Middletown, associated with the Middletown – Watterson 138 kV transmission line, with 1600 A or higher equipment.
Supporting Statement:	The Middletown – Jeffersontown Tap 138 kV transmission line overloads under contingency.

In-Service Year:	2021
Project Name:	**WEST LEXINGTON – HAEFLING 138 KV T.L.**
Description:	Reconductor 7.34 miles of 795 MCM 26X7 ACSR conductor on the West Lexington – Haefling 138 kV line, using high temperature conductor capable of at least 1500 A.
Supporting Statement:	The West Lexington to Haefling 138 kV transmission line overloads under contingency.

In-Service Year:	2015
Project Name:	**BELLEVILLE – BREWTON 115 KV T.L.**
Description:	Upgrade Belleville – Brewton 115 kV transmission line to 100°C operation.
Supporting Statement:	The Belleville – Brewton 115 kV transmission line overloads under contingency.

In-Service Year:	2016
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.

In-Service Year:	2016
Project Name:	**HAYES – BOTTOMS MILL 115 KV T.L.**
Description:	Construct 16 miles of new 115 kV transmission line from Bottom's Mill to Hayes with 795 ACSR at 100°C.
Supporting Statement:	Additional voltage support needed in the Dublin, Kyzar, Brundidge, Clio, and Victoria areas under contingency.

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.

In-Service Year:	2016
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.

In-Service Year:	2017
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.

In-Service Year:	2017
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.

In-Service Year:	2015
Project Name:	**ALBERTA CITY SWITCHING STATION**
Description:	Construct a new 115 kV switching station adjacent to Alberta City DS and construct approximately 3.5 miles of 795 45/7 ACSS at 200°C to the South Tuscaloosa substation.
Supporting Statement:	The 31st Avenue – Kaul Tap – South Tuscaloosa 115 kV transmission line overloads under contingency. The South Tuscaloosa – Holt 115 kV transmission line overloads under contingency.

In-Service Year:	2015
Project Name:	**ALLIGATOR SWAMP AND BELLVIEW 230 KV SUBSTATIONS**
Description:	Add 120 MVAR 230 kV filtered capacitor banks at Alligator Swamp and Bellview.
Supporting Statement:	Additional voltage support is needed in the Alligator Swamp and Bellview areas under contingency.

In-Service Year:	2015
Project Name:	**ALLIGATOR SWAMP SUBSTATION**
Description:	Add a +125/-100 MVAR 230 kV SVS at Alligator Swamp.
Supporting Statement:	Additional voltage support is needed in the Alligator Swamp area.

In-Service Year:	2015
Project Name:	**BESSEMER 230/115 KV SUBSTATION**
Description:	Replace 2500 AAC leads with two (2) 1590 AAC leads per phase at Bessemer TS 230/115 kV transformer bank #4.
Supporting Statement:	The leads on the Bessemer 230/115 kV transformer overload under contingencies.

In-Service Year:	2015
Project Name:	**BLAKELY PRIMARY – GEORGE DAM 115 KV T.L.**
Description:	Install 8% series reactors at Blakely Primary on the Blakely Primary – George Dam 115 kV transmission line.
Supporting Statement:	The Blakely Primary – George Dam 115 kV transmission line overloads under contingency.

In-Service Year:	2015
Project Name:	**BOULEVARD 230/115 KV PROJECT**
Description:	Expand the Boulevard 115 kV substation to include a 230/115 kV 400 MVA transformer and increase the 115 kV capacitor bank to 60 MVAR. Rebuild the Dean Forest – Boulevard 115 kV transmission lines with 1351 ACSS at 170°C and convert one to 230 kV operation. Construct a new 230 kV substation, Crossgate, and loop in the Kraft – McIntosh White 230 kV transmission line. Construct approximately 5.5 miles of new 230 kV transmission line from Crossgate to Dean Forest with 1351 ACSS at 170°C. At Dean Forest substation, expand the 230 kV ring bus and terminate the Boulevard 230 kV transmission line as well as the Crossgate 230 kV transmission line.
Supporting Statement:	The Kraft 230/115 kV transformer overloads under contingency. The Deptford – Kraft 115 kV transmission line overloads under contingency. Project also provides additional voltage support in the Savannah area.

In-Service Year:	2015
Project Name:	**CHICKASAW – BLAKELEY ISLAND 115 KV T.L.**
Description:	Upgrade terminal equipment at Chickasaw, Kimberly Clark, and Blakeley Island substations along the Chickasaw – Blakely Island 115 kV transmission line to 2000 A.
Supporting Statement:	The terminal equipment at Kimberly Clark on the Blakely Island – Chickasaw 115 kV transmission line overloads under contingency.

In-Service Year:	2015
Project Name:	**CHICKASAW – SOUTH MOBILE 115 KV T.L.**
Description:	Loop the Chickasaw – South Mobile 115 kV transmission line into North Crichton Switching Station.
Supporting Statement:	Network reliability improvement needed in the Mobile area under contingency.

In-Service Year:	2015
Project Name:	**CRIST – SHOAL RIVER 230 KV T.L.**
Description:	Loop the Crist – Shoal River 230 kV transmission line into Alligator Swamp.
Supporting Statement:	Additional voltage support is needed in the Pensacola area under contingency.

In-Service Year:	2015
Project Name:	**ENTERPRISE AREA PROJECT**
Description:	Install a new 230/115 kV substation, called South Enterprise TS, that taps the Pinckard – Opp 230 kV transmission line. Construct approximately 5.0 miles 115 kV transmission line from South Enterprise TS to Enterprise TS with 795 ACSS at 160°C.
Supporting Statement:	Sections of the Pinckard – Enterprise #2 115 kV transmission line overload under contingency.

In-Service Year:	2015
Project Name:	**FARLEY SUBSTATION**
Description:	Upgrade low side equipment on the Farley 500/230 kV Transformer #1 and #2.
Supporting Statement:	The Farley 500/230 kV transformer overloads under contingency.

In-Service Year:	2015
Project Name:	**FORT BENNING #2 SUBSTATION**
Description:	At the Fort Benning #2 substation, install a 46 kV, 5.4 MVAR capacitor bank.
Supporting Statement:	Additional voltage support is needed in the Fort Benning area under contingency.

In-Service Year:	2015
Project Name:	**FORTSON – TALBOT COUNTY #1 230 KV T.L.**
Description:	Reconductor approximately 13.0 miles along the Fortson – Talbot County #1 230 kV transmission line with 1351 ACSS at 160°C.
Supporting Statement:	The Fortson – Talbot County #1 230 kV transmission line overloads under contingency.

In-Service Year:	2015
Project Name:	**GASTON – EAST PELHAM 230 KV T.L.**
Description:	Upgrade 11.97 miles of 1033 ACSR along the Gaston – East Pelham 230 kV transmission line from 75°C to 110°C operation.
Supporting Statement:	The Gaston – East Pelham 230 kV line overloads under contingency.

In-Service Year:	2015
Project Name:	**GREENE COUNTY – BASSETT CREEK 230 KV T.L.**
Description:	Construct approximately 58.0 miles of new 230 kV transmission line from Greene County to Bassett Creek with 1351 ACSS at 200°C. Convert Bassett Creek 115 kV switching station to a 230/115 kV substation.
Supporting Statement:	The Octagon SS – Thomasville 115 kV transmission line overloads under contingency.

In-Service Year:	2015
Project Name:	**HATTIESBURG SW – HATTIESBURG 28TH AVE – WEST HATTIESBURG 115 KV T.L.**
Description:	Reconductor the existing 4.5 mile, 266 ACSR Hattiesburg SW – Hattiesburg 28th Ave Tap – West Hattiesburg Tap 115 kV transmission line segments to 1033 ACSR. Replace 600 A line switches at Hattiesburg SW and 28th AVE taps.
Supporting Statement:	The Hattiesburg SW – Hattiesburg 28th Ave Tap – West Hattiesburg Tap transmission line overloads under contingency.

In-Service Year:	2015
Project Name:	**HATTIESBURG SW – HIGHWAY 11 115 KV T.L.**
Description:	Reconductor the 1.7 mile transmission line segment from Hattiesburg SW to Highway 11 with 795 ACSR at 100° C.
Supporting Statement:	The Hattiesburg SW – Highway 11 115 kV transmission line overloads under contingency.

In-Service Year:	2015
Project Name:	**HENRY DAM – RAINBOW CITY 115 KV T.L.**
Description:	Upgrade 12.1 miles of the Henry Dam – Cedar Bend – North Cedar Bend Tap – Rainbow City 115 kV transmission line to 125°C operation.
Supporting Statement:	The Henry Dam – Rainbow City 115 kV transmission line overloads under contingency.

In-Service Year:	2015
Project Name:	**HIGHLAND CITY SUBSTATION**
Description:	Add + /- 100 MVAR SVC at Highland City substation.
Supporting Statement:	Additional voltage is needed in the Highland City area.

In-Service Year:	2015
Project Name:	**JASPER – PINE GROVE PRIMARY 115 KV T.L.**
Description:	Rebuild, at 230 kV specifications, the Jasper – Pine Grove Primary 115 kV transmission line, approximately 21.7 miles, with 1351 ACSR at 100°C and network the transmission line.
Supporting Statement:	The Jasper – West Homerville – Kettle Creek and Pine Grove Primary – Twin Lakes 115 kV transmission lines overload under contingency.

In-Service Year:	2015
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.

In-Service Year:	2015
Project Name:	**LLOYD SHOALS – SOUTH GRIFFIN 115 KV T.L.**
Description:	Upgrade approximately 6.0 miles of 115 kV transmission line along the Georgia Board of Corrections loop section of the Lloyd Shoals – South Griffin 115 kV transmission line to 100°C operation.
Supporting Statement:	The Georgia Board of Corrections Loop in the Lloyd Shoals – South Griffin 115 kV transmission line overloads under contingency.

In-Service Year:	2015
Project Name:	**MARIANNA – HIGHLAND CITY 115 KV T.L.**
Description:	Reconductor approximately 47.8 miles of 115 kV transmission line from Marianna to Highland City with 1033 ACSR at 100°C.
Supporting Statement:	The Marianna – Bay County section of the Marianna – Highland City 115 kV transmission line overloads under contingency.

In-Service Year:	2015
Project Name:	**MCINTOSH – PURRYSBURG #2 230 KV T.L.**
Description:	Connect the second Purrysburg (SCPSA) 230 kV tie line to the McIntosh 230/115 kV substation and terminate the McIntosh CC #11 line from West McIntosh to McIntosh.
Supporting Statement:	The Mcintosh 230/115 kV transformer and the McIntosh – Yemassee (SCE&G) 115 kV transmission lines overload under contingency.

In-Service Year:	2015
Project Name:	**MERIDIAN – SWEATT #1 115 KV T.L.**
Description:	Rebuild 2.2 miles of the Meridian – Plant Sweatt #1 115 kV transmission line between Delco Remy and Plant Sweatt with 795 ACSR.
Supporting Statement:	The Meridian – Sweatt 115 kV transmission line overloads under contingency.

In-Service Year:	2015
Project Name:	**MICHAEL BLVD D.S. – MICHAEL BLVD TAP 115 KV T.L.**
Description:	Upgrade approximately 0.96 miles of 397 ACSR 115 kV transmission line from Michael Boulevard D.S. – Michael Boulevard Tap to 100°C operation.
Supporting Statement:	Network reliability improvement needed in the Mobile area under contingency.

In-Service Year:	2015
Project Name:	**MONTGOMERY SS – COUNTY LINE ROAD 230 KV T.L.**
Description:	Reconductor approximately 7.9 miles of the County Line Road – Montgomery SS 230 kV transmission line with 1033–T13 3M ACCR at 200°C.
Supporting Statement:	The Montgomery SS – County Line Road 230 kV transmission line overloads under contingency.

In-Service Year:	2015
Project Name:	**NORTH BREWTON – ALLIGATOR SWAMP 230 KV T.L.**
Description:	Construct a new 54.7 mile 230 kV transmission line from North Brewton to Alligator Swamp with 1351 ACSS at 200°C.
Supporting Statement:	The Chickasaw – Silverhill #1 230 kV and Barry – Crist 230 kV transmission lines overload under contingency.

In-Service Year:	2015
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.

In-Service Year:	2015
Project Name:	**NORTH CRICHTON SWITCHING STATION**
Description:	Construct a six terminal 2000 A 115 kV ring bus at the new North Crichton switching station.
Supporting Statement:	Network reliability improvement needed in the Mobile area under contingency.

In-Service Year:	2015
Project Name:	**NORTH MOBILE – CRICHTON #1 115 KV T.L.**
Description:	Reconductor approximately 2.81 miles along the existing North Mobile – Crichton #1 115 kV transmission line with 795 ACSS. Loop the North Mobile – Crichton #1 115 kV transmission line into the North Crichton Switching Station. Reconnect Wolf Ridge Tap to the Crichton 115 kV transmission line between North Mobile and new North Crichton Switching Station. Install a Transrupter at Wolf Ridge DS and retire the high side fuse.
Supporting Statement:	Network reliability improvement needed in the Mobile area under contingency.

In-Service Year:	2015
Project Name:	**NORTH MOBILE – SOUTH MOBILE 115 KV T.L.**
Description:	Loop the North Mobile – South Mobile 115 kV transmission line into the North Crichton Switching Station.
Supporting Statement:	Network reliability improvement needed in the Mobile area under contingency.

In-Service Year:	2015
Project Name:	**NORTH MOBILE – SPRINGHILL 115 KV T.L.**
Description:	Reconductor approximately 1.83 miles with 795 ACSR at 100°C from Wolf Ridge Tap – Springhill D.S. along the North Mobile – Springhill 115 kV transmission line.
Supporting Statement:	Network reliability improvement needed in the Mobile area under contingency.

In-Service Year:	2015
Project Name:	**NORTH TIFTON SUBSTATION**
Description:	Replace existing 1600A, 230 kV bus tie breaker with a new 3000 A breaker and install a second 3000A bus tie breaker in series with the existing bus tie breaker.
Supporting Statement:	The existing 230 kV bus tie breaker at North Tifton overloads under contingency.

In-Service Year:	2015
Project Name:	**NORTHWEST 230/115 KV SUBSTATION**
Description:	Replace the 115 kV, 1590 AAC low side jumpers on transformer Bank A at Northwest substation with jumpers rated for at least 2000 A.
Supporting Statement:	The lowside jumpers on transformer Bank A at Northwest substation overload under contingency.

In-Service Year:	2015
Project Name:	**OOSTANAULA 230 KV SUBSTATION**
Description:	Replace the existing 230 kV 1600 A breaker at Oostanaula on the Loopers Farm 230 kV transmission line with a 3000 A breaker.
Supporting Statement:	The Loopers Farm – Oostanaula 230 kV line breaker at Oostanaula overloads under contingency.

In-Service Year:	2015
Project Name:	**PINCKARD – HOLMES CREEK – HIGHLAND CITY 230 KV T.L.**
Description:	Convert the Pinckard TS – Holmes Creek 115 kV transmission line to 230 kV operation. Construct approximately 70 miles of new 230 kV transmission line from Holmes Creek to Highland City with 1351 ACSS at 200°C.
Supporting Statement:	The Callaway – Gaskin 115 kV transmission line and multiple other facilities in the Panama City area overload under contingency.

In-Service Year:	2015
Project Name:	**PLANT KRAFT 115/46 KV SUBSTATION**
Description:	Install a second 115/46 kV transformer at the Plant Kraft substation.
Supporting Statement:	Additional voltage support is needed in the Kraft area under contingency.

In-Service Year:	2015
Project Name:	**RACETRACK – LOTT ROAD 115 KV T.L.**
Description:	Construct 3.7 miles of 795 ACSS 115 kV transmission line at 160°C from Racetrack D.S. to Lott Road D.S.
Supporting Statement:	Network reliability improvement needed in the Mobile area under contingency.

In-Service Year:	2015
Project Name:	**RED RIDGE SUBSTATION**
Description:	Add 15 MVAR 115 kV capacitor bank at Red Ridge Substation.
Supporting Statement:	Additional voltage support is needed in the Red Ridge area under contingency.

In-Service Year:	2015
Project Name:	**REYNOLDSVILLE SUBSTATION**
Description:	Install a 15 MVAR single stage 115 kV capacitor bank.
Supporting Statement:	Additional voltage support is needed in the Reynoldsville and Commodore Park area.

In-Service Year:	2015
Project Name:	**SANTA ROSA – LAGUNA BEACH 230 KV T.L.**
Description:	Construct a new Santa Rosa 230 kV substation with one (1) 400 MVA 230/115 kV transformer. Replace Laguna Beach – Santa Rosa #1 115 kV transmission line with a new 1351 ACSR 230 kV transmission line.
Supporting Statement:	The Bluewater – Crystal Beach submarine cable overloads under contingency. In addition, the Freeport – Villa Tasso 115 kV transmission line overloads under contingency.

In-Service Year:	2015
Project Name:	**SHILLINGER ROAD – LOTT ROAD 115 KV T.L.**
Description:	Construct 2.1 miles of 795 ACSS 115 kV transmission line at 160°C from Schillinger Road to Lott Road Tap.
Supporting Statement:	Network reliability improvement needed in the Mobile area under contingency.

In-Service Year:	2015
Project Name:	**THURLOW DAM – UNION SPRINGS 115 KV T.L.**
Description:	Reconductor approximately 3.1 miles of 266.8 and 397 ACSR at 75°C with 795 ACSR at 100°C on the GKN Westland – Halla Climate Tap section of the Thurlow Dam – Union Springs 115 kV transmission line.
Supporting Statement:	The GKN Westland – Halla Climate Tap 115 kV transmission line overloads under contingency.

In-Service Year:	2015
Project Name:	**TUSCALOOSA AREA PROJECT**
Description:	Convert Moundville (to be called North Moundville) and Akron 44 kV substations to 115 kV substations. Construct approximately 5.2 miles of new 1033 ACSS, 115 kV transmission line at 200°C from North Moundville to Big Sandy/Englewood tap. Install a 230/115 kV transformer at a new Moundville TS and construct a new 115 kV transmission line from North Moundville to Moundville.
Supporting Statement:	The section of 115 kV transmission line from Eutaw to Big Sandy Tap overloads under contingency. Additional voltage support is also needed in the Tuscaloosa area.

In-Service Year:	2015
Project Name:	**WESTBURY – LEEDS 115 KV T.L.**
Description:	Upgrade approximately 7.86 miles of bundled (2) 397 ACSR along the Westbury – Leeds 115 kV transmission line from 50°C to 100°C operation.
Supporting Statement:	The Westbury – Leeds 115 kV transmission line overloads under contingency.

In-Service Year:	2016
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.

In-Service Year:	2016
Project Name:	**BARNWELL – POINT CLEAR TAP 115 KV T.L.**
Description:	Reconductor approximately 6.03 miles along the Barnwell to Point Clear Tap 115 kV transmission line with 795 ACSR at 100° C.
Supporting Statement:	The Barnwell – Point Clear 115 kV Tap overloads under contingency.

In-Service Year:	2016
Project Name:	**BLAKELY PRIMARY – GEORGE DAM 115 KV T.L.**
Description:	Upgrade approximately 22.6 miles of 115 kV transmission line along the Blakely Primary – George Dam 115 kV transmission line from 75°C to 100°C operation. Remove the 8% series reactors at Blakely Primary.
Supporting Statement:	The Blakely Primary – George Dam 115 kV transmission line overloads under contingency.

In-Service Year:	2016
Project Name:	**CRISP COUNTY AREA IMPROVEMENTS – PHASE II**
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.

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.

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.

In-Service Year:	2016
Project Name:	**ENGLEWOOD – SOUTH TUSCALOOSA 115 KV T.L.**
Description:	Construct approximately 9.0 miles of 1033.5 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.

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.

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.

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.

In-Service Year:	2016
Project Name:	**SPRINGDALE – SPRINGHILL 115 KV T.L.**
Description:	Reconductor approximately 2.5 miles along the Springdale – Springhill 115 kV transmission line with 795 ACSR at 100°C .
Supporting Statement:	Network reliability improvement needed in the Mobile area under contingency.

In-Service Year:	2016
Project Name:	**STATESBORO PRIMARY SUBSTATION**
Description:	Install a second 115 kV bus tie breaker in series with the existing 115 kV bus tie breaker at the Statesboro Primary substation.
Supporting Statement:	Network reliability improvement.

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.

In-Service Year:	2016
Project Name:	**WATSON 115 KV SUBSTATION**
Description:	Install motor operatored switches at Watson to isolate the bus tie breakers.
Supporting Statement:	The Cedar Lake Road – Rodenberg – Fernwood 115 kV transmission line overloads under contingency.

In-Service Year:	2016
Project Name:	**YACHT CLUB SUBSTATION**
Description:	Install one new 15 MVAR capacitor bank at Yacht Club Distribution Substation.
Supporting Statement:	Additional voltage support is needed in the Yacht Club area.

In-Service Year:	2016
Project Name:	**YATES SUBSTATION**
Description:	Replace the 115 kV bus at Yates with buswork capable of at least 1200 A.
Supporting Statement:	The Yates 115 kV buswork overloads under contingency.

In-Service Year:	2017
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.

In-Service Year:	2017
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.

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.

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.

In-Service Year:	2017
Project Name:	**DALTON – EAST DALTON B/W 115 KV T.L.**
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.

In-Service Year:	2017
Project Name:	**DALTON – OOSTANAULA 115 KV T.L.**
Description:	Reconductor approximately 1.1 miles along the Dalton – Dalton #9 section of the Dalton – Oostanaula 115 kV transmission line with 795 ACSR at 100°C.
Supporting Statement:	The Dalton – Oostanaula 115 kV transmission line overloads under contingency.

In-Service Year:	2017
Project Name:	**FISH RIVER TAP – FAIRHOPE 115 KV T.L.**
Description:	Reconductor approximately 4.54 miles of 115 kV transmission line from Fish River Tap to Fairhope with 795 ACSR at 100°C.
Supporting Statement:	The Fish River Tap – Fairhope 115 kV transmission line overloads under contingency.

In-Service Year:	2017
Project Name:	**HAMPTON – MCDONOUGH 115 KV T.L.**
Description:	Rebuild approximately 2.1 miles from McDonough to Dailey Mill Tap along the McDonough – Hampton 115 kV transmission line with double circuit 1351 ACSR constructed at 230 kV specifications. Construct approximately 4.6 miles of 115 kV transmission line from Dailey Mill to Flippen with 1351 ACSR, creating a network line from McDonough to Stockbridge (through Greenwood Park, Dailey Mill, and Flippen).
Supporting Statement:	The Hampton – McDonough tap 115 kV transmission line overloads under contingency.

In-Service Year:	2017
Project Name:	**JASPER AREA PROJECT**
Description:	Construct a new, five breaker switching station, called Jasper SS, and loop in the Jasper TS – Oakman 161 kV and Jasper DS – Taft Coal 161 kV transmission lines. Reconductor approximately 15 miles along the Gorgas – Taft Coal – Jasper Tap 161 kV transmission line with 795 ACSR at 100°C. Reconductor approximately 5.3 miles along the Jasper TS – Parkland – Parkland SS 161 kV with 795 ACSR at 100°C. Construct 0.8 miles of new 161 kV transmission line parallel to the existing Jasper Tap – Jasper TS 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.

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.
Supporting Statement:	Network reliability improvement needed in the Lagrange area under contingency.

In-Service Year:	2017
Project Name:	**POINT CLEAR TAP – FAIRHOPE 115 KV T.L.**
Description:	Reconductor approximately 1.0 mile of 115 kV transmission line from Point Clear Tap – Fairhope with 795 ACSR at 100°C.
Supporting Statement:	The Point Clear Tap – Fairhope 115 kV transmission line overloads under contingency.

In-Service Year:	2017
Project Name:	**SILVERHILL – FISH RIVER TAP 115 KV T.L.**
Description:	Reconductor approximately 6.0 miles with 795 ACSR at 100°C along the Silverhill – Fish River Tap 115 kV transmission line.
Supporting Statement:	The Silverhill – Fish River 115 kV Tap overloads under contingency.

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.

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

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.

In-Service Year:	2018
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.

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.

In-Service Year:	2018
Project Name:	**BARNEYVILLE – DOUGLAS 115 KV T.L.**
Description:	Upgrade approximately 2.5 miles along the Nashville #1 – Nashville #2 section of the Barneyville – Douglas 115 kV transmission line to 100°C operation.
Supporting Statement:	The Barneyville – Douglas 115 kV transmission line overloads under contingency.

In-Service Year:	2018
Project Name:	**BARNWELL TAP – TURKEY HILL 115 KV T.L.**
Description:	Construct approximately 2.75 miles of 795 ACSR 115 kV transmission line at 100°C from Barnwell Tap to Turkey Hill to create a new Silverhill – Fairhope – Turkey Hill "C" 115 kV transmission line.
Supporting Statement:	The Silverhill – Magnolia 115 kV transmission line overloads under contingency.

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.

In-Service Year:	2018
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.

In-Service Year:	2018
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.

In-Service Year:	2018
Project Name:	**CRYSTAL BEACH – BLUEWATER BAY 115 KV T.L.**
Description:	Replace the submarine cable Crystal Beach – Bluewater 115 kV transmission line with a new 1351 ACSR 115 kV transmission line.
Supporting Statement:	The Laguna Beach – Santa Rosa 115 kV transmission line to overloads under contingency.

In-Service Year:	2018
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.

In-Service Year:	2018
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.

In-Service Year:	2018
Project Name:	**HURRICANE CREEK – WIGGINS SS 115 KV T.L.**
Description:	Reconductor the 8.76 mile Hurricane Creek – Wiggins SS 115 kV transmission line with 795 ACSR at 100°C.
Supporting Statement:	The Hurricane Creek – Wiggins SS 115 kV transmission line overloads under contingency.

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.

In-Service Year:	2018
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.

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.

In-Service Year:	2018
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.

In-Service Year:	2018
Project Name:	**PRATTVILLE AREA PROJECT**
Description:	Construct 6.5 miles of 795 ACSR 115 kV transmission line from County Line Road – Prattville DS. Construct a new 115 kV switching station at the GE Burkeville Tap.
Supporting Statement:	The West Montgomery – Hunter 115 kV transmission line overloads under contingency.

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.
Supporting Statement:	The North Theodore – Deer River 115 kV transmission line overloads under contingency.

In-Service Year:	2018
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.

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.

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 line overloads under contingency.

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.

In-Service Year:	2019
Project Name:	**EASTERN AREA 115 KV SOLUTION**
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. 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 flexibility for several 115 kV transmission lines in the Gadsden area.

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.
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.

In-Service Year:	2019
Project Name:	**NORTH DUBLIN SUBSTATION**
Description:	Replace 230/115 kV 140 MVA Bank A transformer with a new 300 MVA transformer.
Supporting Statement:	The existing North Dublin autobank overloads under contingency.

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.

In-Service Year:	2019
Project Name:	**THOMASTON SUBSTATION**
Description:	Replace 300 MVA, 230/115 kV transformer "C" at Thomaston with a new 400 MVA, 230/115 kV transformer.
Supporting Statement:	The 230/115 kV transformer "C" at Thomaston overloads under contingency.

In-Service Year:	2019
Project Name:	**WAYNESBORO 230/115 KV SUBSTATION**
Description:	Install a second 230/115 kV 300 MVA 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.

In-Service Year:	2019
Project Name:	**WIGGINS – WIGGINS 5TH AVENUE 115 KV T.L.**
Description:	Reconductor the 3.75 mile, 266 ACSR, Wiggins SS – Wiggins 5th Ave 115 kV transmission line segment with 795 ACSR.
Supporting Statement:	The Wiggins – Wiggins 5th Avenue 115 kV transmission line overloads under contingency.

In-Service Year:	2020
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.

In-Service Year:	2020
Project Name:	**AUSTIN DRIVE – MORROW 115 KV T.L.**
Description:	Reconductor approximately 7.1 miles of existing 336 ACSR with 795 ACSR at 100°C along the Austin Drive – River Road section of the Austin Drive – Morrow 115 kV transmission line. Also, reconductor approximately 2.0 miles of existing 795 ACSR with 1351 ACSS at 170°C along the Morrow – Ellenwood section of the Austin Drive – Morrow 115 kV transmission line.
Supporting Statement:	The River Road – Rainbow Drive section of the Austin Drive – Morrow 115 kV transmission line overloads under contingency. The Morrow – Ellenwood section of the Austin Drive – Morrow 115 kV transmission line also overloads under contingency.

In-Service Year:	2020
Project Name:	**BAXLEY – SOUTH HAZLEHURST 115 KV T.L.**
Description:	At the Pine Grove distribution substation, replace the 115 kV bus as well as the line switch and jumpers on the Baxley – South Hazlehurst 115 kV transmission line.
Supporting Statement:	The bus and terminal equipment at Pine Grove overloads under contingency.

In-Service Year:	2020
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.

In-Service Year:	2020
Project Name:	**BULL CREEK – VICTORY DRIVE 115 KV T.L.**
Description:	Reconductor approximately 2.5 miles along the Victory Drive to Saint Mary's Junction section of the Bull Creek – Victory Drive 115 kV transmission line with 795 ACSR at 100°C.
Supporting Statement:	The Victory Drive – Chloride section of the Bull Creek – Victory Drive 115 kV transmission line overloads under contingency.

In-Service Year:	2020
Project Name:	**COLEMAN 115/46 KV SUBSTATION**
Description:	Install a 112 MVA, 115/46 kV transformer in the Coleman 115/13.8 kV substation. Loop the Pooler – Georgia Pacific 46 kV transmission line section into the Coleman substation.
Supporting Statement:	Additional voltage support is needed in the Coleman area under contingency.

In-Service Year:	2020
Project Name:	**CUTHBERT PRIMARY 115 KV SUBSTATION**
Description:	Install a 115 kV, 15 MVAR capacitor bank at Cuthbert Primary substation.
Supporting Statement:	Additional voltage support is needed in the Cuthbert area.

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 conductor.
Supporting Statement:	The Daniel Siding – Little Ogeechee 115 kV transmission line overloads under contingency.

In-Service Year:	2020
Project Name:	**DEAN FOREST 230 KV SUBSTATION**
Description:	Install a 120 MVAR, 230 kV capacitor bank at the Dean Forest substation.
Supporting Statement:	Additional voltage support is needed in the Savannah and Hinesville areas under contingency.

In-Service Year:	2020
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 ASCR at 100°C at 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.

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 circuit 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.

In-Service Year:	2020
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 100°C 795 ACSR. Replace 100°C 336 ACSR jumper with 100°C 795 ACSR.
Supporting Statement:	The Evans Primary – Thomson Primary 115 kV transmission line overloads under contingency.

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.

In-Service Year:	2020
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.

In-Service Year:	2020
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.

In-Service Year:	2020
Project Name:	**GREENVILLE – ECI GEORGIANA 115 KV T.L.**
Description:	Reconductor approximately 11.89 miles of 115 kV transmission line from Greenville to Georgiana with 795 ACSR at 100°C.
Supporting Statement:	The Greenville – Georgiana 115 kV transmission line overloads under contingency.

In-Service Year:	2020
Project Name:	**HOLMES CREEK – PITTMAN – GENEVA TAP 115 KV T.L.**
Description:	Upgrade the 115 kV transmission line from Holmes Creek to Geneva Tap to 100°C operation.
Supporting Statement:	The Holmes Creek – Pittman – Geneva Tap 115 kV transmission line overloads under contingency.

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.

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 the 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.

In-Service Year:	2020
Project Name:	**LITTLE OGEECHEE 230 KV SUBSTATION**
Description:	Install a 120 MVAR, 230 kV capacitor bank at the Little Ogeechee 230/115 kV substation.
Supporting Statement:	Additional voltage support is needed in the Savannah and Hinesville areas under contingency.

In-Service Year:	2020
Project Name:	**LLOYD SHOALS – PORTERDALE 115 KV T.L.**
Description:	Rebuild approximately 5.6 miles along the South Covington Junction – Jackson Lake section of the Lloyd Shoals – Porterdale 115 kV transmission line with 795 ACSR at 100°C.
Supporting Statement:	The Jackson Lake – South Covington Junction section of the Lloyd Shoals – Porterdale 115 kV transmission line overloads under contingency.

In-Service Year:	2020
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.

In-Service Year:	2020
Project Name:	**MCINTOSH SUBSTATION**
Description:	Replace the existing 280 MVA, 230/115 kV transformer at McIntosh with a 400 MVA, 230/115 kV transformer.
Supporting Statement:	The 230/115 kV transformer at McIntosh overloads under contingency.

In-Service Year:	2020
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.
Supporting Statement:	The North Brewton TS – Brewton Tap 115 kV transmission line overloads under contingency.

In-Service Year:	2020
Project Name:	**RACCOON CREEK – THOMASVILLE 230 KV T.L.**
Description:	Reconductor approximately 8.8 miles of 230 kV transmission line from Raccoon Creek to Cotton along the Raccoon Creek – Thomasville 230 kV transmission line with 1033 ACSS at 170°C. Replace 1600 A switches and 1590 AAC jumpers at Cotton Primary with 2000 A switches and 2500 AAC jumpers.
Supporting Statement:	The Raccoon Creek – Cotton section of the Raccoon Creek – Thomasville 230 kV transmission line overloads under contingency.

In-Service Year:	2020
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 230/115 kV, 300 MVA 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.

In-Service Year:	2020
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.
Supporting Statement:	The South Coweta – Brooks section of the South Coweta – South Griffin 115 kV transmission line overloads under contingency.

In-Service Year:	2020
Project Name:	**TIGER CREEK – BRANCH (B/W) 230 KV T.L.**
Description:	Install 230 kV 2% series reactors, removed from East Social Circle, at Tiger Creek on the Branch Black and White 230 kV transmission lines.
Supporting Statement:	The Branch – Tiger Creek 230 kV transmission lines overload under contingency.

In-Service Year:	2021
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. Replace the line switch at Delhi Tap with a 2000 A switch.
Supporting Statement:	The Anthony Shoals – Buckhead Point – Double Branches Tap 115 kV sections overload under contingency.

In-Service Year:	2021
Project Name:	**BRUNSWICK – ST SIMONS 115 KV T.L.**
Description:	Reconductor approximately 1.4 miles along theBrunswick – Stonewall Street section of the Brunswick – Saint Simons 115 kV transmission line with 795 ACSR at 100°C. Replace three 600 A switches at Brunswick with 1200 A switches.
Supporting Statement:	The Brunswick – Saint Simons 115 kV transmission line overloads under contingency.

In-Service Year:	2021
Project Name:	**BRUNSWICK – ST SIMONS 115 KV T.L.**
Description:	Reconductor approximately 1.3 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.

In-Service Year:	2021
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 ACSS at 160°C.
Supporting Statement:	The Bull Creek – First Avenue 115 kV transmission line overloads under contingency.

In-Service Year:	2021
Project Name:	**DANIEL – MOSS POINT EAST 230 KV T.L.**
Description:	Install a 2% series line reactor on the Moss Point East – North Theodore 230 kV transmission line.
Supporting Statement:	The Daniel – Moss Point East 230 kV and the Moss Point East – North Theodore 230 kV transmission lines overload under contingency.

In-Service Year:	2021
Project Name:	**KRAFT SUBSTATION**
Description:	Improve capacity on the Kraft 230/115 kV transformer autobanks by replacing in series elements including replacement of the 230 kV pipe type cable.
Supporting Statement:	The Kraft 230/115 kV transformer overloads under contingency.

In-Service Year:	2021
Project Name:	**NORTH TIFTON SUBSTATION**
Description:	Replace 500 CU jumpers at North Tifton along the Moultrie – North Tifton 115 kV transmission line with 1590 AAC jumpers.
Supporting Statement:	The North Tifton – Tifton Junction section of the Moultrie – North Tifton 115 kV transmission line overloads under contingency.

In-Service Year:	2021
Project Name:	**OFFERMAN SUBSTATION**
Description:	Replace the existing 230/115 kV transformers at Offerman with two 300 MVA transformers.
Supporting Statement:	The parallel 230/115 kV transformer at Offerman overloads under contingency.

In-Service Year:	2021
Project Name:	**STATESBORO PRIMARY – WADLEY PRIMARY 115 KV T.L.**
Description:	Reconductor approximately 22.3 miles of 115 kV transmission line along the Wadley Primary – Swainsboro Primary section of the Statesboro – Wadley Primary 115 kV transmission line with 1033 ACSR at 100°C.
Supporting Statement:	The Statesboro Primary – Wadley Primary 115 kV transmission line overloads under contingency.

In-Service Year:	2021
Project Name:	**WHITEOAK 115 KV SUBSTATION**
Description:	Install a 115 kV, 30 MVAR capacitor bank at the Whiteoak substation.
Supporting Statement:	Additional voltage support is needed in the Whiteoak area under contingency.

In-Service Year:	2022
Project Name:	**BARRY – CHICKASAW 230 KV T.L.**
Description:	Reconductor the 18.6 mile Barry – Chickasaw 230 kV transmission line with bundled (2) 795 ACSS at 200°C.
Supporting Statement:	The Barry – Chickasaw 230 kV transmission line overloads under contingency.

In-Service Year:	2022
Project Name:	**DECATUR – MORELAND AVENUE 115 KV T.L.**
Description:	Upgrade approximately 1.6 miles of 636 ACSR along the Decatur – Kirkwood section of the Decatur – Moreland Avenue 115 kV transmission line from 50°C to 100°C operation.
Supporting Statement:	The Decatur – Moreland Avenue 115 kV transmission line overloads under contingency.

In-Service Year:	2022
Project Name:	**FIRST AVENUE – VICTORY DRIVE 115 KV T.L.**
Description:	Reconductor approximately 6.4 miles along the First Avenue – Victory Drive 115 kV transmission line with 1033 ACSR at 100°C.
Supporting Statement:	The First Avenue – Victory Drive 115 kV transmission line overloads under contingency.

In-Service Year:	2022
Project Name:	**JUDY MOUNTAIN – ROME 115 KV T.L.**
Description:	Replace the 1200 A line traps at Rome on the Judy Mountain – Rome 115 kV transmission line with 2000 A line traps.
Supporting Statement:	The terminal equipment at Rome on the Judy Mountain – Rome 115 kV transmission line overloads under contingency.

In-Service Year:	2022
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.

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.

In-Service Year:	2023
Project Name:	**AMERICAN CYANAMID – AVALON 115 KV T.L.**
Description:	Construct approximately 4.0 miles of 115 kV transmission line with 1033 ACSR at 100°C from American Cyanamid to Avalon.
Supporting Statement:	The Holt – Crestview 115 kV transmission line overloads under contingency.

In-Service Year:	2023
Project Name:	**ARNOLD MILL – HOPEWELL 230 KV T.L.**
Description:	Construct a 230 kV transmission line from Arnold Mill to Hopewell, a distance of approximately 14.7 miles. 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.

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.

In-Service Year:	2023
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.

In-Service Year:	2023
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.

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.

In-Service Year:	2023
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.

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 1351.5 ACSS at 160°C.
Supporting Statement:	The Dothan – Webb 115 kV transmission line overloads under contingency.

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.

In-Service Year:	2023
Project Name:	**HOPEWELL 230 KV SUBSTATION**
Description:	Install a motor-operated switch to provide a means of bypassing the 230 kV series reactors on the Hopewell – McGrau Ford 230 kV transmission line.
Supporting Statement:	The Norcross – Ocee 230 kV transmission line overloads under contingency.

In-Service Year:	2023
Project Name:	**SAMSON – SHOAL RIVER 230 KV T.L.**
Description:	Reconductor approximately 13.0 miles of 230 kV transmission line from Samson – Shoal River with 1351 ACSR at 100°C.
Supporting Statement:	The Samson – Shoal River 230 kV transmission line overloads under contingency.

In-Service Year:	2015
Project Name:	**JACKSBORO, TN 161 KV SUBSTATION**
Description:	Install capacitor bank of 5, 9.0 MVAR capacitors at new switching station between the Jacksboro, TN and Caryville, TN delivery points.
Supporting Statement:	Additional voltage support needed in the Caryville, TN area under contingency.

In-Service Year:	2015
Project Name:	**WILSON – OAKLAND 161 KV T.L.**
Description:	Reconductor approximately 12.3 miles along the Wilson – Oakland 161 kV transmission line with 795 ACSR at 100°C.
Supporting Statement:	The Wilson – Oakland 161 kV transmission line overloads under contingency.

In-Service Year:	2015
Project Name:	**SHOALS – WOODMONT 161 KV T.L.**
Description:	Reconductor approximately 3.7 miles along the Shoals – Woodmont 161 kV transmission line with 636 ACSS at 121°C.
Supporting Statement:	The Shoals – Woodmont 161 kV transmission line section overloads under contingency.

In-Service Year:	2015
Project Name:	**WIDOWS CREEK FP – REESE FERRY 161 KV**
Description:	Reconductor approximately 5 miles of transmission line between the Widows Creek Fossil Plant and Reese Ferry 161 kV substations with 795 ACSS at 135°C.
Supporting Statement:	The loss of the Sequoyah NP 500/161 kV transformer, with Widows Creek units 1-6 and unit 8 offline, causes the Widows Creek – Reese Ferry section of the Widows Creek – Raccoon Mountain 161 kV transmission line to become overloaded.

In-Service Year:	2015
Project Name:	**HIWASSEE 500 KV SUBSTATION**
Description:	Install a 500/161 kV transformer at Hiwassee substation.
Supporting Statement:	Nuclear Offsite power can be affected at the Sequoyah Nuclear Plant under contingency.

In-Service Year:	2015
Project Name:	**SPRING CREEK – NANCE 161 KV T.L.**
Description:	Reconductor approximately 2.0 miles of transmission line between the Spring Creek and Nance 161 kV substations using 636 ACSS at 155°C.
Supporting Statement:	The Spring Creek – Nance 161 kV transmission line overloads under contingency.

In-Service Year:	2015
Project Name:	**TRINITY – CADDO 161 KV T.L.**
Description:	Reconductor approximately 3.5 miles of transmission line between the Trinity and Caddo 161 kV substations using 954 ACSR at 100°C.
Supporting Statement:	The Trinity – Caddo 161 kV transmission line overloads under contingency.

In-Service Year:	2015
Project Name:	**WIDOWS CREEK FP – NICKAJACK 161 KV T.L.**
Description:	Upgrade approximately 13 miles of the Widows Creek Fossil Plant – Nickajack Hydro Plant 161 kV transmission line.
Supporting Statement:	The Widows Creek – Nickajack 161 kV transmission line overloads under contingency.

In-Service Year:	2015
Project Name:	**VOLUNTEER – E. KNOX 161 KV T.L.**
Description:	Construct approximately 13.5 miles of 161 kV transmission line from Volunteer to E. Knox with 954 ACSS at 150°C.
Supporting Statement:	The Volunteer – Knox #2 161 kV transmission line becomes overloaded under contingency and additional voltage support is needed in the E. Knox area under contingency.

In-Service Year:	2015
Project Name:	**VOLUNTEER – N. KNOX #1 161 KV T.L.**
Description:	Reconductor approximately 12.5 miles of 161 kV transmission line between the Volunteer and N. Knox 161 kV substations with 795 ACSS at 123°C.
Supporting Statement:	The Volunteer – N. Knox 161 kV transmission line overloads under contingency.

In-Service Year:	2016
Project Name:	**DAVIDSON 500 KV SUBSTATION**
Description:	Install an SVC at the Davidson, TN 500 kV substation.
Supporting Statement:	Retirement of Johnsonville FP Units 1-10 results in the need for over 1000 MVAR of dynamic reactive support in the Johnsonville area.

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.

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.

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.

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.

In-Service Year:	2017
Project Name:	**MAYFIELD – MURRAY 161 KV T.L.**
Description:	Upgrade approximately 21.2 miles of the Mayfield – Murray 161 kV transmission line to 100°C operation.
Supporting Statement:	The Mayfield – Murray 161 kV transmission line overloads under contingency.

In-Service Year:	2017
Project Name:	**ALCOA NORTH – NIXON ROAD 161 KV T.L.**
Description:	Rebuild approximately 10.5 miles of the Alcoa North – Nixon Road 161 kV transmission line with 1590 ACSR at 100°C.
Supporting Statement:	The Alcoa Switching Station – Nixon Road 161 kV transmission line overloads under contingency.

In-Service Year:	2017
Project Name:	**KINGSTON FP – EATON CROSSROADS 161 KV T.L.**
Description:	Upgrade approximately 20.6 miles of the Kingston Fossil Plant – Eaton Crossroads 161 kV transmission line to 100°C operation.
Supporting Statement:	The Kingston – Eaton Cross Roads 161 kV transmission line overloads under contingency.

In-Service Year:	2017
Project Name:	**KINGSTON FP – OAK RIDGE 161 KV T.L.**
Description:	Reconductor approximately 19.9 miles of the Kingston Fossil Plant – Oak Ridge 161 kV transmission line with 1272 ACSR at 100°C.
Supporting Statement:	The Kingston – Oak Ridge 161 kV transmission line overloads under contingency.

In-Service Year:	2017
Project Name:	**RACCOON MOUNTAIN – MOCCASIN #2 161 KV T.L.**
Description:	Reconductor approximately 3.3 miles of the Raccoon Mountain – Moccasin Bend #2 161 kV transmission line for 3000 A operation.
Supporting Statement:	The Raccoon Mountain – Mocassin Bend #2 161 kV transmission line overloads under contingency.

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.

In-Service Year:	2017
Project Name:	**SHAWNEE – PADUCAH 161 KV T.L.**
Description:	Reconductor approximately 13.2 miles of the Shawnee – Paducah 161 kV transmission line with 1272 ACSR at 100°C.
Supporting Statement:	The Shawnee – Paducah 161 kV transmission line overloads under contingency.

In-Service Year:	2017
Project Name:	**UNION – TUPELO #3 161 KV T.L.**
Description:	Construct approximately 15.5 miles of the new #3 Union – Tupelo 161 kV transmission line with 954 ACSR at 100°C.
Supporting Statement:	Multiple 161 kV transmission lines overload in the Tupelo area under contingency.

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.

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.

In-Service Year:	2017
Project Name:	**JOHNSONVILLE FP SUBSTATION**
Description:	Install 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.

In-Service Year:	2018
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.

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.

In-Service Year:	2018
Project Name:	**SCOTTSBORO – HENAGAR 161 KV T.L.**
Description:	Construct approximately 17.1 miles of new 161 kV transmission line to create the Scottsboro – Henagar 161 kV transmission line with 954 ACSR at 100°C.
Supporting Statement:	Multiple 161 kV transmission lines in the Ft. Payne, AL area overload under contingency and additional voltage support needed in the Ft. Payne area under contingency.

In-Service Year:	2018
Project Name:	**NORTH DAVIDSON, TN 500 KV SUBSTATION**
Description:	Construct a 500 kV substation in the North Davidson County, TN area connected to the Montgomery – Davidson 500 kV transmission line and multiple area 161 kV transmission lines.
Supporting Statement:	Thermal overloads and additional voltage support needed in the Nashville area under contingency.

In-Service Year:	2018
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 needed in the lower MS area under contingency.

In-Service Year:	2019
Project Name:	**WIDOWS CREEK FP SUBSTATION**
Description:	Install 2nd Widows Creek 500/161 kV transformer.
Supporting Statement:	Multiple transmission lines overload and additional voltage support needed in the Huntsville, AL area under contingency.

In-Service Year:	2020
Project Name:	**GALLATIN FP – GALLATIN PRIMARY #2 161 KV T.L.**
Description:	Construct a 2nd 161 kV transmission line of approximately 5 miles between Gallatin Fossil Plant and the Gallatin Primary with 1590 ACSR at 100°C.
Supporting Statement:	The Gallatin – Cairo Bend 161 kV transmission line section overloads under contingency.

In-Service Year:	2020
Project Name:	**GREAT FALLS HP 161 KV SUBSTATION**
Description:	Install a capacitor bank of 5, 9.0 MVAR 161 kV capacitors at the Great Falls, TN hydro plant substation.
Supporting Statement:	Additional voltage support needed at the Murfreesboro Industrial Park under contingency.

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.

In-Service Year:	2020
Project Name:	**MILLER – OLIVE BRANCH #2 161 KV T.L.**
Description:	Loop the Olive Branch – Payne Lane 161 kV transmission line into the Miller, MS 161 kV substation to create the Miller – Olive Branch #2 161 kV transmission line.
Supporting Statement:	Additional voltage support needed in the Olive Branch, MS area under contingency.

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 needed in the Oakwood, TN area under contingency.

In-Service Year:	2022
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 needed in the MS area under contingency.

In-Service Year:	2023
Project Name:	**PARADISE – BOWLING GREEN 161 KV T.L.**
Description:	Upgrade the Paradise – Lost City section of the Paradise – Bowling Green 161 kV transmission line to 100°C. Reconductor the Lost City – Bowlilng green section of the Paradise – Bowling Green 161 kV transmission line with 954 ACSR at 100°C.
Supporting Statement:	The Paradise – Bowling Green 161 kV transmission line overloads under contingency.
