In-Service Year:	2025
Project Name:	**WYLIE SWITCHING STATION - WOODLAWN TIE 100 KV TRANSMISSION LINE**
Description:	Rebuild 8 miles of the Wylie Switching Station - Woodlawn Tie 100 kV double circuit transmission line
Supporting Statement:	

In-Service Year:	2026
Project Name:	**LEE STEAM - SHADY GROVE TIE 100 KV TRANSMISSION LINES**
Description:	
Supporting Statement:	

In-Service Year:	2023
Project Name:	**GREAT FALLS SW STA - WATEREE TIE 100KV TRANSMISSION LINE**
Description:	6-wire the Great Falls Sw Sta - Wateree Tie 100kV Transmission Line
Supporting Statement:	The Great Falls Sw Sta - Wateree Tie 100kV double circuit transmission line can overload for the loss of a parallel circuit with the replacement of the DEP owned 100/115kV transformers at Wateree Tie

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In-Service Year:	2023
Project Name:	**MOCKSVILLE MAIN - WINSTON SWITCHING STATION 100 KV TRANSMISSION LINE**
Description:	Rebuild 10 miles of the Mocksville Main - Winston Switching Station 100 kV double circuit transmission line with 1295 ACSR rated at 120 °C
Supporting Statement:	Mocksville Switching Station -Winston Switching Station 100 kV Double Circuit transmission line can overload under contingency

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In-Service Year:	2024
Project Name:	**SADLER TIE – DAN RIVER 100 KV TRANSMISSION LINE**
Description:	Construct approximately 9.2 miles of new 100 kV transmission line between Dan River Steam Station and Sadler Tie with 954 AAC at 120°C.
Supporting Statement:	Thermal overloads occur around Dan River Steam Station and Dan River Combined Cycle Station under contingency.

In-Service Year:	2024
Project Name:	**WILKES TIE 230 KV SUBSTATION**
Description:	Install a new 230/100 kV, 448 MVA transformer at Wilkes Tie.
Supporting Statement:	Thermal overloads occur near North Wilkesboro Tie and additional voltage support is needed in the area under contingency.

In-Service Year:	2025
Project Name:	**ALLEN STEAM STATION TRANSFORMER REPLACEMENT**
Description:	To facilitate the generation retirement at Allen Steam Station, both 230/100 kV transformers need to be replaced with larger 448MVA units
Supporting Statement:	Allen Steam Station transformers overload under contingency

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In-Service Year:	2025
Project Name:	**N GREENVILLE TIE - TRANSFORMER REPLACEMENT**
Description:	REPLACE EXISTING BANK 1 WITH NEW LARGER 448 - MVA 230/100/44KV AUTOBANK. REPLACE EXISTING 230 KV AND 44 KV OIL BREAKERS WITH GAS
Supporting Statement:	EXISTING N GREENVILLE TIE BANK 1 CAN OVERLOAD UNDER CONTINGENCY

In-Service Year:	2026
Project Name:	**HODGES TIE - CORONACA TIE 100 KV TRANSMISSION LINE**
Description:	Rebuild approximately 9.2 miles of the Hodges Tie - Coronaca Tie 100 kV transmission line with 795 ACSS/TW at 200°C
Supporting Statement:	The loss of a parallel Hodes Tie - Coronaca Tie 100 kV transmission line causes the remaining circuit to overload

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In-Service Year:	2026
Project Name:	**NORTH GREENVILLE TIE TO PISGAH TIE 100 KV TRANSMISSION LINE**
Description:	Rebuild 11.5 miles (North Greenville Tie to Marietta Tie) of the North Greenville Tie - Pisgah Tie 100 kV transmission line with 1272 ACSR at 120°C.
Supporting Statement:	The loss of a parallel North Greenville Tie - Pisgah Tie 100 kV transmission line causes the remaining circuit to overload

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In-Service Year:	2027
Project Name:	**LANCASTER MAIN - MONROE MAIN 100KV TRANSMISSION LINE**
Description:	Rebuild 23.8 miles of Lancaster Main - Monroe Main 100kV double circuit transmission line with 1158 ACSS/TW rated at 200°C
Supporting Statement:	Lancaster Main - Monroe Main 100kV transmission line can overload under contingency

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In-Service Year:	2027
Project Name:	**MORNING STAR TIE EXPANSION**
Description:	Expand the 230 kV switchyard at Morning Star Tie to a full breaker and a half configuration and replace all three existing autobanks with new 230/100/44 kV 448MVA transformers.
Supporting Statement:	The addition of a second Sandy Ridge circuit requires the expansion of the 230 kV at Morning Star Tie. The existing banks at Morning Star can overload for the loss of one or more of the parallel banks.

In-Service Year:	2027
Project Name:	**WINECOFF TIE - CONLEY SWITCHING STATION 100 KV TRANSMISSION LINE**
Description:	Rebuild 7.89 miles of the Winecoff Tie - Connely Switching Station 100 kV transmission line with 1272 ACSR at 120°C
Supporting Statement:	The Winecoff Tie - Conely Switching Station 100 kV transmission Lines can overload under contingency

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In-Service Year:	2028
Project Name:	**WYLIE SWITCHING STATION - WOODLAWN TIE 100 KV TRANSMISSION LINE**
Description:	Reconductor 8 miles of the Wylie Tie - Woodlawn Tie 100 kV double circuit transmission line with bundled 477 ACSR at 120°C.
Supporting Statement:	The loss of a parallel Wylie Tie - Woodlawn Tie 100 kV transmission line causes the remaining circuit to overload

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In-Service Year:	2029
Project Name:	**CRETO TIE TO CORONACA TIE 100 KV TRANSMISSION LINE**
Description:	Rebuild and add a second circuit to 13 miles of the single circuit Creto Tie to Coronaca Tie 100 KV transmission Line with 954 ACSR at 120°C.
Supporting Statement:	The loss of the Cokesbury - Coronaca Tie 100 kV transmission lines can cause the Creto Tie - Coronaca Tie 100 kV transmission line to overload

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In-Service Year:	2029
Project Name:	**NEWPORT TIE - MORNING STAR TIE 230 KV TRANSMISSION LINE**
Description:	ADD A SECOND CIRCUIT TO THE EXISTING NEWPORT TIE - MORNING STAR TIE 230 KV TRANSMISSION LINE
Supporting Statement:	Existing Newport Tie - Morning Star Tie 230 kV Transmission Line can overload under contingencies

In-Service Year:	2022
Project Name:	**ASHEBORO – ASHEBORO EAST (NORTH) 115 KV TRANSMISSION LINE**
Description:	Rebuild approximately 6.5 miles of the Asheboro – Asheboro East (North) 115 kV transmission line using 1590 ACSR rated for 307 MVA. Replace disconnect switches at Asheboro 230 kV substation and both the breaker and the disconnect switches at Asheboro East 115 kV substation with equipment of at least 2000A capability.
Supporting Statement:	The Asheboro – Asheboro East (North) 115 kV transmission line overloads under contingency.

In-Service Year:	2022
Project Name:	**IND 304440 – MAXTON 115 KV RECONDUCTOR**
Description:	Reconductor approximately 3.5 miles of the IND 304440 – Maxton 115 kV transmission line with 795 ACSR. Replace existing 600A switches with 1200A switches.
Supporting Statement:	The IND 304440 – Maxton section of the Weatherspoon – IND 304440 115 kV transmission line overloads under contingency.

In-Service Year:	2022
Project Name:	**IND 304731-DPC WATEREE PLANT 115 KV TRANSMISSION LINE**
Description:	Uprate the Elgin Tap – DPC Wateree Plant section (5 miles) of the IND 304731–DPC Wateree Plant 115kV line to its full 336 MCM ACSR conductor rating (from 170 deg F to 212 deg F).
Supporting Statement:	Elgin Tap – DPC Wateree Plant 115 kV section overloads under contingency.

In-Service Year:	2022
Project Name:	**WATEREE 115KV PLANT REPLACE TRANSFORMERS**
Description:	Replace existing 150 MVA, 115/100kV transformer bank with two 168 MVA, 115/100kV transformers.
Supporting Statement:	The existing Wateree transformer bank overloads under contingency.

In-Service Year:	2025
Project Name:	**CARTHAGE 230 KV SUBSTATION**
Description:	Construct Carthage 230 kV Substation
Supporting Statement:	Various contingencies cause overloads and low voltages in the area.

In-Service Year:	2026
Project Name:	**WSPN-IND 304440 115 KV TRANSMISSION LINE**
Description:	Reconductor approximately 9.0 miles from Maxton to Pembroke 115 kV substation with 795 MCM ACSR or equivalent. Replace the existing 600A switch (45-2) with a 1200A switch.
Supporting Statement:	The Maxton-Pembroke section of the Weatherspoon-Ind 304440 115 kV transmission line overloads under contingency.

In-Service Year:	2027
Project Name:	**BRUNSWICK #1 – JACKSONVILLE 230 KV TRANSMISSION LINE**
Description:	Loop the existing Brunswick Plant Unit 1 – Jacksonville 230 kV transmission line into the Folkstone 230 kV substation. Also, convert the Folkstone 230 kV bus configuration to breaker-and-one-half by installing three (3) new 230 kV breakers.
Supporting Statement:	The Castle Hayne – Folkstone 115 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**DURHAM – RTP 230 KV TRANSMISSION LINE**
Description:	Reconductor approximately 10.0 miles of the Durham – RTP 230 kV transmission line with bundled 6 – 1590 ACSR rated for 1195 MVA.
Supporting Statement:	The Durham – RTP 230 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**FRANKLINTON - SPRING HOPE 115 KV LINE, TAKE LOAD OFF LINE**
Description:	Move load off Franklinton-Spring Hope 115kV and put it on Rocky Mount-Person 230kV
Supporting Statement:	Multiple contingencies cause low voltage of the Franklinton - Spring Hope SS 115 KV Line. Falls - Franklinton 115 KV West Line can also overload under a nearby contingency.

In-Service Year:	2026
Project Name:	**ASHEVILLE PLANT – OTEEN WEST 115 KV TRANSMISSION LINE, BALDWIN TAP**
Description:	Construct approximately 2.2 miles of new 115 kV transmission line from the Asheville Plant – Oteen West 115 kV transmission line to the Asheville Plant – Oteen East 115 kV transmission line, with 795 ACSR. The Baldwin 115 kV substation will be reconnected to this new tap line.
Supporting Statement:	Additional voltage support is needed in the Baldwin area under contingency.

In-Service Year:	2026
Project Name:	**CRAGGY-ENKA 230 KV TRANSMISSION LINE**
Description:	Construct approximately 10.0 miles of new 230 Kv transmission line from the Craggy 230 Kv substation to the Enka 230 Kv substation with 3-954 ACSS-TW or equivalent conductor rated for 710 MVA.
Supporting Statement:	The Enka–West Asheville 115 kV line overloads under contingency.

In-Service Year:	2022
Project Name:	**ARGYLE INJECTION**
Description:	Build a new 230/115kV substation (Argyle). Loop-in Shoal River-Smith 230kV line and Glendale Road Tap-Glendale Road 115kV line section. Reconductor Glendale Road Tap-Argyle line section to a minimum of 1044 Amps (208 MVA). Build a new 115kV line of approximately 5 miles rated at 1495 Amps (298 MVA) to Glendale Road Tap to create new Argyle-Holmes Creek 115kV line. Install a 230/115kV, 500 MVA autotransformer at Argyle substation.
Supporting Statement:	This project eliminates several overloads under a number of contingency scenarios. This project also provides additional operational and maintenance flexibility which then increases reliability.

In-Service Year:	2022
Project Name:	**CHIPLEY 115KV LOOP SUBSTATION**
Description:	Build a new 115kV line of approximately 1.6 miles rated at 592 Amps (118 MVA) from Chipley Tap to Chipley to provide loop service.
Supporting Statement:	Loss of the transmission radial will cause consequential load loss.

In-Service Year:	2022
Project Name:	**CRIST-DEATON #2 115KV**
Description:	Reconductor approx. 2.1 miles of JAY ROAD-MUNSON 115kV line to a minimum of 1495 Amps (298 MVA). Reconductor approx. 2.4 miles of MUNSON-DEATON 115kV line to a minimum of 1495 Amps (298 MVA).
Supporting Statement:	The Deaton-Munson-Jay Road 115 kV transmission line overloads under contingency.

In-Service Year:	2022
Project Name:	**CRIST-SOUTH CRESTVIEW #2 115KV**
Description:	Reconductor approx. 15 miles of DEATON-HOLT TP 115kV line to a minimum of 1495 Amps (298 MVA). Reconductor approx. 11.3 miles of HOLT TP-SOUTH CRESTVIEW 115kV line to a minimum of 1495 Amps (298 MVA).
Supporting Statement:	The Deaton-Holt TP-South Crestview 115 kV transmission line overloads under contingency.

In-Service Year:	2022
Project Name:	**DEATON INJECTION PHASE I AND PHASE II**
Description:	Build a new 115kV substation (Deaton) looping-in the existing Crist-South Crestview #1 & #2-115kV lines. Loop existing Alligator Swamp-Miller Bayou 230kV line into new Deaton 230kV expansion. Install a new 230/115kV, 500 MVA autotransformer. Loop existing Blackwater-Crooked Creek 115kV line section into Deaton 115kV.
Supporting Statement:	This project eliminates several overloads under a number of contingency scenarios. This project also provides additional operational and maintenance flexibility which then increases reliability.

In-Service Year:	2022
Project Name:	**GRACEVILLE 115KV LOOP SUBSTATION**
Description:	Build a new 115kV line of approximately 0.5 miles rated at 1411 Amps (281 MVA) from Graceville Tap to Graceville to provide loop service.
Supporting Statement:	Loss of the transmission radial will cause consequential load loss.

In-Service Year:	2022
Project Name:	**HATHAWAY 115KV LOOP SUBSTATION**
Description:	Build a new 115kV line of approximately 2.39 miles rated at 1512 Amps (301 MVA) from Hathaway Tap to Hathaway to provide loop service. Make Hathaway a breaker station.
Supporting Statement:	Loss of the transmission radial will cause consequential load loss.

In-Service Year:	2022
Project Name:	**RAVEN-SINAI CEMETARY 161KV TRANSMISSION LINE**
Description:	Build a new 161kV line of approximately 176 miles rated at 3,210 Amps (895 MVA) from Raven (FPL) to Sinai Cemetery (GP) substations. Add a 230/161kV transformer at Raven and Sinai substations.
Supporting Statement:	This project will help meet future load growth and continue to improve reliability in a low cost manner for Gulf Power's customers by implementing a direct transmission connection between Gulf Power and FPL.

In-Service Year:	2022
Project Name:	**VERNON 115KV LOOP SUBSTATION**
Description:	Build a new 115kV line of approximately 0.8 miles rated at 346 Amps (69 MVA) from Vernon Tap to Vernon to provide loop service.
Supporting Statement:	Loss of the transmission radial will cause consequential load loss.

In-Service Year:	2023
Project Name:	**CRIST 2ND AUTOTRANSFORMER**
Description:	Add 2nd, 230/115kV, 500 MVA autotransformer at Crist substation. Replace existing 230/115kV autotransformer at Crist substation with 500 MVA unit.
Supporting Statement:	This project eliminates overloads under a number of contingency scenarios. This project also provides additional operational and maintenance flexibility which then increases reliability.

In-Service Year:	2023
Project Name:	**CRIST-SOUTH CRESTVIEW #1 115KV**
Description:	Reconductor approx. 21.64 miles of DEATON-MILLIGAN TAP 115kV line to a minimum of 1495 Amps (298 MVA). Reconductor approx. 4.7 miles of MILLIGAN TAP-SOUTH CRESTVIEW 115kV line to a minimum of 1495 Amps (298 MVA).
Supporting Statement:	The Deaton-Milligna TP-South Crestview 115 kV transmission line overloads under contingency.

In-Service Year:	2023
Project Name:	**DESTIN LOOP PROJECT**
Description:	Build a new 115kV line of approximately 4.18 miles to loop-in Destin and Henderson Park substations on the Bluewater Bay (PS)-Crystal Beach 115kV line section.
Supporting Statement:	Loss of the transmission radial will cause consequential load loss.

In-Service Year:	2023
Project Name:	**EAST CRESTVIEW 115KV LOOP SUBSTATION**
Description:	Build a new 115kV line of approximately 0.89 miles rated at 1044 Amps (208 MVA) from East Crestview Tap to East Crestview to provide loop service.
Supporting Statement:	Loss of the transmission radial will cause consequential load loss.

In-Service Year:	2023
Project Name:	**GREENWOOD-LANSING SMITH #1 115V**
Description:	Reconductor approx. 2.8 miles of LANSING SMITH-NORTH BAY 115kV line to a minimum of 1860 Amps (371 MVA). Reconductor approx. 2.44 miles of NORTHSIDE-NORTH BAY 115kV line to a minimum of 1860 Amps (371 MVA).
Supporting Statement:	The Lansing Smith-Norh Bay-Northside 115 kV transmission line overloads under contingency.

In-Service Year:	2023
Project Name:	**HORUS INJECTION**
Description:	Build a new 230kV substation (HORUS). Loop-in Sinai-Smith 230kV line and Highland City-Holmes Creek 230kV line. Build a new 230kV line approximately 14 miles rated at 1905 Amps (759 MVA) from Horus to Melvin substaions.
Supporting Statement:	This project eliminates overloads under a number of contingency scenarios. This project also provides additional operational and maintenance flexibility which then increases reliability.

In-Service Year:	2023
Project Name:	**INNERARITY 115KV LOOP SUBSTATION**
Description:	Build a new 115kV line of approximately 8.5 miles rated at 1495 Amps (298 MVA) from Beach Haven to Innerarity to provide loop service.
Supporting Statement:	Loss of the transmission radial will cause consequential load loss.

In-Service Year:	2023
Project Name:	**LULLWATER 115KV LOOP SUBSTATION**
Description:	Build a new 115kV line of approximately 0.8 miles rated at 1210 Amps (241 MVA) from Lullwater Tap to Lullwater to provide loop service.
Supporting Statement:	Loss of the transmission radial will cause consequential load loss.

In-Service Year:	2023
Project Name:	**ROMANA 115KV LOOP SUBSTATION**
Description:	Build a new 115kV line of approximately 0.6 miles rated at 973 Amps (194 MVA) from Romana Tap to Romana to provide loop service.
Supporting Statement:	Loss of the transmission radial will cause consequential load loss.

In-Service Year:	2023
Project Name:	**SMITH AUTOTRANSFORMER UPGRADE**
Description:	Upgrade station equipment at Smith substation to increase autotransformer normal rating to 400 MVA minimum.
Supporting Statement:	This project eliminates overloads under a number of contingency scenarios. This project also provides additional operational and maintenance flexibility which then increases reliability.

In-Service Year:	2024
Project Name:	**HOLMES CREEK – SOUTH CRESTVIEW 115 KV TRANSMISSION LINE**
Description:	Rebuild the ~54.4 mile section of 336.4 ACSR 26/7 at 75°C from Holmes Creek-Pittman-Geneva Tap-Glendale Tap-East Crestview Tap-South Crest View with 795 26/7 ACSR at 100°C (1,086A)
Supporting Statement:	This project eliminates high loadings under contingency scenarios. This project also provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2025
Project Name:	**ARGYLE – SANTA ROSA 115 KV TRANSMISSION LINE**
Description:	Build a new 115kV line of approximately 45 miles rated at 1495 Amps (298 MVA) from the new Argyle substation to Santa Rosa substation. Build a new 115kV line of approximately 7.4 miles (common structure) from Santa Rosa to Sandestin substations. Build a 3-breaker ring bus substation at Sandestin site.
Supporting Statement:	This project eliminates several overloads under a number of contingency scenarios. This project also provides additional operational and maintenance flexibility which then increases reliability.

In-Service Year:	2025
Project Name:	**GULF BREEZE 115KV LOOP SUBSTATION**
Description:	Build a new 115kV line of approximately 3.5 miles rated at 1495 Amps (298 MVA) from Live Oak to Gulf Breeze to provide loop service.
Supporting Statement:	Loss of the transmission radial will cause consequential load loss.

In-Service Year:	2027
Project Name:	**SINAI-GASKIN 115KV TRANSMISSION LINE**
Description:	Upgrade/reconductor Sinai-Altha (PS) 115kV line section to a minimum of 567Amps (113MVA)
Supporting Statement:	The Sinai-Callaway 115 kV transmission line overloads under contingency.

In-Service Year:	2024
Project Name:	**BLUE LICK TO CEDAR GROVE TAP 161KV TRANSMISSION LINE**
Description:	Replace 0.1 miles of 795MCM 61XAA, 4.6 miles of 500MCM 19XCU conductor, and 795MCM 61XAA line risers and jumper in the Blue Lick to Cedar Grove 161kV line with 795MCM 26X7 SSAC or better.
Supporting Statement:	The Blue Lick to Cedar Grove Tap 161kV transmission line overloads.

In-Service Year:	2024
Project Name:	**MIDDLETOWN TO BUCKNER 345KV TRANSMISSION LINE**
Description:	Replace the 345kV 2000A breakers associated with the Middletown to Buckner 345kV line with 3000A breakers.
Supporting Statement:	The Middletown to Buckner 345kV line overloads under contingency.

In-Service Year:	2021
Project Name:	**LIBERTY 230/115 KV TRANSFORMER ADD THIRD TRANSFORMER**
Description:	Add a third 150 MVA transformer
Supporting Statement:	The existing 230/115 kV, 150 MVA transformers at Liberty Substation overload under contingency.

In-Service Year:	2022
Project Name:	**BREWTON - FREEMANVILLE 115KV DESIGN TEMP UPGRADE**
Description:	Upgrade the designed operating temperature for approximately 25 miles of 115 kV transmission line from Brewton to Fremanville. This 556 ACSR line will have a designed operating temperature of 212°F (100°C) following the completion of the project.
Supporting Statement:	The Brewton - Freemanville transmission line overloads under contingency and additional line capacity is needed to prevent system reconfiguration during contingency.

In-Service Year:	2022
Project Name:	**FOUNTAIN 115KV CAP BANK**
Description:	Install a 30 Mar capacitor bank at the Fountain 115kV substation.
Supporting Statement:	There is a need for voltage support in the immediate area under contingency and additional reactive resources are needed in this area to resolve those issues.

In-Service Year:	2022
Project Name:	**WING 115KV SWITCHING STATION**
Description:	Construct a new 115kV switching station for the purpose of interconnection the Wing Solar facility.
Supporting Statement:	This station is needed to serve as the POI for a new 80MW solar facility.

In-Service Year:	2024
Project Name:	**BELLEVILLE - GANTT 230 KV DESIGN TEMPERATURE UPGRADE**
Description:	Operating temperature upgrade on approximately 40.0 miles of 230 kV transmission line from Belleville 230kV Station to Gantt 230kV Substation to 212°F (100°C).
Supporting Statement:	The existing 230kV transmission line overloads under contingency.

In-Service Year:	2024
Project Name:	**GASKIN – SOUTHPORT 115 KV TRANSMISSION LINE**
Description:	Construct approximately 9.0 miles of new 115 kV transmission line from Gaskin Switching Station to Southport substation with 795 ACSR at 100°C.
Supporting Statement:	Improve the reliability of Gulf Coast Electric's substations by providing a looped service feed.

In-Service Year:	2024
Project Name:	**OAK GROVE SWITCHING TO CHUMUCKLA 115KV CONVERSION**
Description:	Construct a new 115kV transmission line from Oak Grove Switching 115kV to Chumuckla 115kV which will replace the existing 46kV transmission line.
Supporting Statement:	This line will complete a 115kV network path from Wye 115kV Switching to Oak Grove 115kV Switching to provide transmission redundancy for area delivery points.

In-Service Year:	2025
Project Name:	**ELSANOR-MIFLIN 115KV SECOND LINE**
Description:	Construct approximately 12 miles of new 115kV transmission line from Elsanor to Miflin with 795 ACSR at 100°C.
Supporting Statement:	The existing Elsanor-Miflin 115kV transmission line overloads under contingency.

In-Service Year:	2025
Project Name:	**EREC 115KV CONVERSION**
Description:	This project will convert 21.36 miles of 46kV transmission to 115kV operation. Three 46kV distribution delivery points will also be upgraded to 115kV service as part of the project.
Supporting Statement:	To support additional load growth in the area.

In-Service Year:	2022
Project Name:	**BILOXI CEDAR LAKE ROAD DS BUS REPLACEMENT**
Description:	Replace the Strain bus and jumpers to the Ocean Springs 115 kV line at Biloxi Cedar Lake Rd DS.
Supporting Statement:	Equipment at Biloxi Cedar Lake Road overloads under contingency.

In-Service Year:	2023
Project Name:	**ARKWRIGHT-LLOYD SHOALS 115KV TRANSMISSION LINE**
Description:	Reconductor the Arkwright - Lloyd Shoals 115KV line, 35.7 miles, to 100°C ACSR 795 conductor. Upgrade substations along the path of network flow.
Supporting Statement:	The Arkwright - Lloyd Shoals 115KV line overloads under certain contingencies.

In-Service Year:	2023
Project Name:	**ATHENA - EAST WATKINSVILLE 115 KV (REBUILD)**
Description:	Rebuild 2.42 miles of the East Athens - Whitehall line section on the Athena - East Watkinsville 115kV line with from 100°C ACSR 336 to 100°C 1033 ACSR conductor.
Supporting Statement:	The East Athens to Whitehall line sections of the Athena - East Watkinsville 115kV line overloads under contingency.

In-Service Year:	2023
Project Name:	**BIG CREEK - ELLICOTT 230 KV UPGRADE**
Description:	Upgrade approximately 30.4 miles of 1351 51/19 ACSR at 75°C to 100°C from Ellicott SS to Big Creek TS.
Supporting Statement:	The Big Creek - Ellicott 230 kV transmission line overloads under contingency.

In-Service Year:	2023
Project Name:	**BLAKELY PRIMARY - GEORGE DAM (USA) 115KV LINE REBUILD**
Description:	Rebuild 8.9 miles of 477 ACSR Hawk at 75 °C conductor from Huckleberry SS to George Dam (USA) line section using 1351 ACSR Martin conductor at 100°C. Ensure all substation equipment along the path of network flow matches or surpasses the rating of the new conductor.
Supporting Statement:	After the Blakely Primary - George Dam (USA) 115kv is split with the construction of Huckleberry SS, the new George Dam (USA) Huckleberry 115kV line will become overloaded under contingency.

In-Service Year:	2023
Project Name:	**BONAIRE - KATHLEEN 115 KV TRANSMISSION LINE RECONDUCTOR**
Description:	Reconductor approximately 6 miles of the Bonaire Primary - Kathleen 115 kV transmission line using 1351 ACSR conductor.
Supporting Statement:	The Bonaire - Kathleen 115 kV line overloads under contingency.

In-Service Year:	2023
Project Name:	**BROOKWOOD TS - CAPACITORS**
Description:	Install two (2) 60 MVAR, 230 kV harmonic filtered capacitor banks at Brookwood TS
Supporting Statement:	Low voltage in the area under contingency. This project provides voltage support under contingency scenarios.

In-Service Year:	2023
Project Name:	**BUTLER REACTORS**
Description:	Increase the reactance on the reactors on the Bonaire - Butler 230kV line.
Supporting Statement:	The Bonaire Primary-Butler 230kV line overloads under contingency.

In-Service Year:	2023
Project Name:	**CARRIERE SW – MARION SE 230 KV TRANSMISSION LINE**
Description:	Construct a new approximately 33 mile, 230 kV line from Carriere SW 230/115 kV substation to a new Marion SE 230 kV switching station with 1351 ACSS at 200°C.
Supporting Statement:	The Hattiesburg SW - Wiggins 115 kV line overloads under contingency.

In-Service Year:	2023
Project Name:	**CENTRAL CORRIDOR SOLUTION**
Description:	Rebuild approximately 97.0 miles of the West Montgomery - Greenville - Evergreen - North Brewton 115 kV transmission line with 795 ACSS at 200°C.
Supporting Statement:	Multiple sections of the central corridor overload under contingency. This project also provides additional operational and maintenance flexibility which then increases reliability.

In-Service Year:	2023
Project Name:	**CROOKED CREEK CAPACITOR BANKS**
Description:	Install two new 115 kV, 15 MVAR capacitor banks at Crooked Creek TS.
Supporting Statement:	Low voltage in the area under contingency. This project provides voltage support under contingency scenarios.

In-Service Year:	2023
Project Name:	**DOUGLAS - LAKE BEATRICE 115KV TRANSMISSION LINE UPGRADE**
Description:	Upgrade 3.4 miles of the Douglas - Lake Beatrice 115kV line 50°C 336 ACSR to 100°C operation.
Supporting Statement:	The Douglas - Lake Beatrice 115 kV transmission line becomes overloaded under contingency.

In-Service Year:	2023
Project Name:	**EAST MAYSVILLE 115KV CAPACITOR BANK**
Description:	Install a 115kVcapacitor bank at East Maysville substation.
Supporting Statement:	This project addresses low votage on the buses of Midway, East Maysville, and Ridgeway Church Rd 115kV buses under contingency.

In-Service Year:	2023
Project Name:	**EAST WATKINSVILLE - RUSSELL DAM 230 KV TRANSMISSION LINE RECONDUCTOR**
Description:	Reconductor approximately 48.3 miles of 100°C 1351.5 ACSR/SD conductor, with 200°C 1351.5 ACCR conductor. Replace the Over Head Ground Wire.
Supporting Statement:	The existing self-damping conductor has reached the end of its service life. Also, the existing rating is exceeded under contingency in import scenarios.

In-Service Year:	2023
Project Name:	**EAST WATKINSVILLE - RUSSELL DAM 230KV JUMPER REPLACEMENTS**
Description:	Replace the existing jumpers from 90° C 1-1590 AAC with 90° C 2-1590 AAC or equivalent at Russell Dam and East Watkinsville substations on the East Watkinsville - Russell Dam 230 kV line.
Supporting Statement:	This project addresses capacity increase needs.

In-Service Year:	2023
Project Name:	**FAYETTE – GOODSPRINGS 161 KV TRANSMISSION LINE**
Description:	Rebuild approximately 37.0 miles of 397.5 ACSR at 100°C on the Fayette to Goodsprings 161 kV transmission line, with 795 ACSS at 200°C.
Supporting Statement:	The Fayette - Goodsprings 161 kV transmission line overloads under contingency.

In-Service Year:	2023
Project Name:	**FLOMATON 230/115 KV SUBSTATION**
Description:	Install a new 230/115 kV, 480 MVA transformer at Flomaton TS.
Supporting Statement:	Provides additional operational and maintenance flexibility, which increases reliability. This project also provides voltage support under contingency scenarios.

In-Service Year:	2023
Project Name:	**HIGHWAY 11 BROOKWOOD SOLUTION**
Description:	Construct approximately 6.0 miles of 795 ACSR from Vance SS to Scott Davis DS 115 kV transmission line. Construct a new approximately 5.2 mile 115 kV transmission line from South Bessemer to Scott Davis Tap with 795 26/7 ACSR at 100°C. Construct a new approximately 4 mile 115 kV TL from Brookwood TS to Cedar Cove Tap with 795 26/7 ACSR at 100°C.
Supporting Statement:	The Vance SS - South Bessemer TS 115 kV transmission line overloads under contingency. This project also addresses voltage constraints under contingency.

In-Service Year:	2023
Project Name:	**HOPE HULL AREA SOLUTION PHASE 1**
Description:	Construct approximately 1.8 miles of 795 ACSS 115 kV transmission line at 200°C between Hyundai Power Transformers to a tap point on the W. Montgomery to Pintlala 115 kV transmission line. Reconductor approximately 2.7 miles of the Hope Hull Tap to Hyundai Power Transformers 115 kV transmission line with 795 ACSS at 200°C.
Supporting Statement:	Provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2023
Project Name:	**JUDY MOUNTAIN SHUNT REACTOR**
Description:	Install one 150 MVAR shunt reactor set at Judy Mountain connected to the 230 kV bus.
Supporting Statement:	Unacceptably high voltages have been observed across North Georgia during very low-load conditions.

In-Service Year:	2023
Project Name:	**KETTLE CREEK - PINE GROVE 115 KV TRANSMISSION LINE UPGRADE PHASE ONE**
Description:	Rebuild approximately 20.5 miles of 4/0 ACSR at 50°C to 75°C from Kettle Creek Primary to Pearson Tap.
Supporting Statement:	The Kettle Creek Primary – Pine Grove 115 kV transmission line overloads under contingency in NFRC cases.

In-Service Year:	2023
Project Name:	**MCEVER ROAD - SHOAL CREEK 115 KV TRANSMISSION LINE REBUILD - PHASE 2**
Description:	Rebuild approximately 2.41 miles (2-4/0 copper) of the McEver Road - College Square section of the McEver Road - Shoal Creek 115 kV transmission line with 100C 1033 ACSR.
Supporting Statement:	The McEver Road – Shoal Creek 115 kV transmission line overloads under contingency.

In-Service Year:	2023
Project Name:	**MIDDLE FORK STATIC VAR SYSTEM**
Description:	Install a +150/-150 MVAR STATCOM connected to the 230 kV bus at Middle Fork
Supporting Statement:	Fast reactive support is needed to address FIDVR issues in North Georgia. This project will also address high-voltage issues that occur during valley load conditions.

In-Service Year:	2023
Project Name:	**NELSON 230-115-46KV SUBSTATION (REBUILD)**
Description:	Extensive rebuild of the Nelson 230-115-46kV substation per the latest standrads. Replace the two 230/115 kV Autobanks at Nelson and upgrade jumpers on the Holly Springs - Nelson 115kV line from 500CU to 1590AAC.
Supporting Statement:	Substation upgrade is required to get all major equipment, relaying and facilities to the latest standards. The Holly Springs - Nelson 115kV line overloads under contingency. The 230/115kV auto transformer #2 overloads under contingency.

In-Service Year:	2023
Project Name:	**POSSUM BRANCH 230/115 KV PROJECT**
Description:	Construct approximately 14 miles of new 230 kV line from Possum Branch to Roopville with 1351 ACSR conductor at 100°C. Install a 230/115 kV, 400 MVA transformer at Possum Branch with a 230 kV bus. (GPC): Construct a 230 kV a ring bus switching station at Roopville along with additional substation modifications.
Supporting Statement:	Project is necessary to facilitate planned maintenance in the Bremen area.

In-Service Year:	2023
Project Name:	**RACCOON CREEK - SCOOTER 230KV JUMPER REPLACMENT**
Description:	Replace AAC Larkspur 1033.5 jumpers at Raccoon Creek, for the Scooter 230kV line, with AAC 1590 jumpers that match, or surpass, the rating of 1033.5 ACSR Curlew line conductor.
Supporting Statement:	The Raccoon Creek - Scooter 230kV line overloads under contingency.

In-Service Year:	2023
Project Name:	**SAWHATCHEE SWITCH REPLACEMENT**
Description:	Replace 600A switch at Sawhatchee substation.
Supporting Statement:	The switch at Sawhatchee exceeds its thermal capacity rating under contingency.

In-Service Year:	2023
Project Name:	**SITE 'H' ENHANCED PHYSICAL SECURITY**
Description:	Install enhanced physical security equipment. NFRC-Driven project.
Supporting Statement:	CIP-014 Corrective Action Plan

In-Service Year:	2023
Project Name:	**SOUTH ADEL DUAL STAGE CAPACITOR BANK**
Description:	Install a two stage 115kV capacitor bank at South Adel.
Supporting Statement:	This project addresses low voltage issues at South Adel substation under contingency.

In-Service Year:	2023
Project Name:	**WEST AUGUSTA 115KV SUBSTATION**
Description:	Replace existing breaker on the Goshen 115kV line with a 40kA or higher rated breaker.
Supporting Statement:	The breaker duty margin for this breaker in 2023 is -0.4%. In 6/30/2023, with the addition of Vogtle Unit 4 the breaker duty margin becomes negative.

In-Service Year:	2024
Project Name:	**NORTH SELMA – SELMA #2 115 KV TRANSMISSION LINE**
Description:	Rebuild ~27 miles of 397 ACSR at 100 °C of Selma TS – Vida TS 115 kV TL to 795 ACSS at 200° C
Supporting Statement:	Provides additional operational and maintenance flexibility which then increases reliability.

In-Service Year:	2024
Project Name:	**230/115KV KINGSLAND AUTOBANK REPLACEMENT**
Description:	Replace 230/115kV auto-transformer bank C at Kingsland substation.
Supporting Statement:	The 230/115kV auto-transformer at Kingsland overloads under contingency in certain import scenarios

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In-Service Year:	2024
Project Name:	**230/115KV PINE GROVE AUTOBANK REPLACEMENT**
Description:	Replace 230/115kV auto-transformer bank B at Pine Groove substation.
Supporting Statement:	The 230/115kV auto-transformer at Pine Groove overloads under contingency in NFRC cases.

In-Service Year:	2024
Project Name:	**AVALON JUNCTION - BIO 115 KV TRANSMISSION LINE REBUILD**
Description:	Rebuild approximately 20.5 miles of the Avalon Junction - Bio 115 kV transmission line (636 ACSR/795 ACSR) with 100°C 1351 ACSR and replace the terminal equipment at various substations.
Supporting Statement:	The Avalon Junction - Bio 115 kV transmission line overloads under contingency in import scenarios.

In-Service Year:	2024
Project Name:	**BOULDIN DAM – COUNTY LINE RD 115KV TL**
Description:	Reconductor ~6 miles of 795 ACSR 100°C from Bouldin Dam to Sonat Elmore Tap 115kV TL to 795 ACSS 200°C
Supporting Statement:	Provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2024
Project Name:	**BULL CREEK - VICTORY DRIVE 115 KV LINE RECONDUCTOR**
Description:	Reconductor 1.3 miles of 115 kV line from Victory Drive to Chloride.
Supporting Statement:	Line section on the Bull Creek-Victory Drive 115 kV line is overloaded under contingency.

In-Service Year:	2024
Project Name:	**COLLEGE SQUARE - LAKESIDE WTP 115KV LINE SEGMENT REBUILD**
Description:	Rebuild 2.05 miles of 2-4/0 copper part of the College Square to Lakeside WTP B line section, part of the McEver Road - Shoal Creek 115kV line, using 100°C 795 ACSR.
Supporting Statement:	The College Square - Lakeside WTP B line section of the McEver Road - Shoal Creek 115kV transmission line overloads under contingency.

In-Service Year:	2024
Project Name:	**CORN CRIB - LAGRANGE 115KV LINE REBUILD**
Description:	Rebuild line sections (total 10.9 miles) on the Corn Crib - Lagrange Primary 115 kV line.
Supporting Statement:	The Corn Crib - Lagrande Primary 115 kV line overloads under contingency.

In-Service Year:	2024
Project Name:	**DALTON CITY #12 BUS REPLACEMENT**
Description:	Replace 115 kV 477 ACSR bus and jumpers at the Dalton City #12 Substation.
Supporting Statement:	The Dalton City #12 bus and jumpers exceed their ratings under contingency.

In-Service Year:	2024
Project Name:	**DEAL BRANCH - SYLVANIA 115 KV (REBUILD)**
Description:	Rebuild 24.81 miles from the Deal Branch substation to the Sylvania substation with 100°C 795 ACSR. conductor.
Supporting Statement:	This project addresses maintenance needs.

In-Service Year:	2024
Project Name:	**DEMOPOLIS TS – CEMEX 115 KV TRANSMISSION LINE**
Description:	Construct approximately 1.0 mile of 795 ACSR 115 kV transmission line at 100°C from Demopolis TS to Cemex Tap.
Supporting Statement:	Provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2024
Project Name:	**ELLICOTT SUBSTATION EXPANSION PROJECT**
Description:	Relocate six existing 115 kV transmission lines to a new 115 kV substation.
Supporting Statement:	Upgrade existing and construct new transmission facilities to provide additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2024
Project Name:	**EUFALA – GEORGE DAM – WEBB 115 KV TRANSMISSION LINE**
Description:	Phase 1: Reconductor approximately 18.3 miles of 266 ACSR at 100 °C from Eufaula to Abbeville TS with 795 ACSR at 100° C. Phase 2: Reconductor ~27 miles of 266 ACSR at 100 °C of the Abbeville – Webb 115 kV TL to 795 ACSR 26/7 100 °C
Supporting Statement:	The Eufaula – Abbeville-Webb 115 kV transmission line overloads under contingency.

In-Service Year:	2024
Project Name:	**FORTSON 500 KV RELAY REPLACEMENT**
Description:	Replacing breaker failure relay scheme at Fortson substation (MEAG).
Supporting Statement:	The Fortson 230 kV Relay Failure results in several thermal overloads.

In-Service Year:	2024
Project Name:	**GRADY-WEST END PART OF JACK MCDONOUGH AREA SOLUTION**
Description:	Reconductor the Grady - West End 115 kV line.
Supporting Statement:	Project enhances operational flexibility and mitigates line overload.

In-Service Year:	2024
Project Name:	**HEARD COUNTY - TENASKA 500KV TRANSMISSION LINE**
Description:	Construct a new Heard County - Tenaska 500KV transmission line
Supporting Statement:	To minimize the system impact caused by ELG retirements and improve the system reliability, this project has been proposed as the most cost effective solution which solves multiple.

In-Service Year:	2024
Project Name:	**JESUP - OFFERMAN 115 KV TRANSMISSION LINE RECONDUCTOR**
Description:	Reconductor approximately 17.7 miles of 4/0 ACSR at 100°C on the Jesup - Offerman 115 kV transmission line with 795 ACSR 100°C.
Supporting Statement:	The Jesup - Offerman 115 kV transmission line overloads under contingency.

In-Service Year:	2024
Project Name:	**LAFAYETTE - ROANOKE 115 KV UPGRADE**
Description:	Phase 1: Upgrade approximately 2.5 miles 397 ACSR to 100° C from City of Lafayette No. 1 to Lafayette TS. Phase 2: Upgrade approximately 12.2 miles from Lafayette TS - Roanoke TS & ~4.5 miles Roanoke TS - East Roanoke SS 115 kV TL 397 ACSR to 125° C.
Supporting Statement:	The LaFayette to Roanoke 115 kV transmission line overloads under contingency.

In-Service Year:	2024
Project Name:	**MCCLURE INDUSTRIAL -GRAVELLY CREEK 115KV TRANSMISSION LINE**
Description:	Build a 3.5 miles, 115kV transmission line from McClure Industrial substation to structure 21 A/B on the East Maysville tap with 100°C 1351 ACSR Martin.
Supporting Statement:	This new network path accomodates the increase of load in the area and offers operational flexibility in the area.

In-Service Year:	2024
Project Name:	**MCGRAU FORD STATIC VARS SYSTEM INSTALLATION**
Description:	Install a STATCOM system at McGrau Ford substation.
Supporting Statement:	Fast reactive support is needed to address FIDVR issues in North Georgia. This project will also address high-voltage issues that occur during valley load conditions.

In-Service Year:	2024
Project Name:	**MEAG 230KV REDUNDANT RELAY (PART OF FORTSON SUBSTATION MODERNIZATION)**
Description:	Add a 230kV redundant relay scheme at Fortson. This is a small part of the Fortson substation modernization project.
Supporting Statement:	Project eliminates a contingency that causes multiple overloads in the system.

In-Service Year:	2024
Project Name:	**MITCHELL - NORTH TIFTON 230 KV RECONDUCTOR**
Description:	Reconductor approximately 35.2 miles of the Mitchell - North Tifton 230 kV transmission line with 1351 ACSR at 100°C.
Supporting Statement:	The Mitchell - North Tifton 230 kV line overloads under contingency.

In-Service Year:	2024
Project Name:	**NORCROSS - SNELLVILLE PRIMARY 115KV (REBUILD)**
Description:	Rebuild the Norcross - Snellville Primary 115 kV line.
Supporting Statement:	The initial project driver was that the OHGW had minimal lifetime, and needed to be replaced. Given age and condition of line, the project became a complete rebuild, which will require easements.

In-Service Year:	2024
Project Name:	**NORTH MARIETTA – SMYRNA (BLACK & WHITE) 115 KV TRANSMISSION LINE RECONDU**
Description:	GPC will reconductor parts of the North Marietta-Smyna (Black and White) 115 kV lines.
Supporting Statement:	These lines will exceed their ratings under contingency.

In-Service Year:	2024
Project Name:	**PALMYRA REACTOR REMOVAL**
Description:	Remove reactor at Palmyra.
Supporting Statement:	Permanent solution renders reactor no longer needed.

In-Service Year:	2024
Project Name:	**PICAYUNE – CARRIERE SW 115 KV REBUILD**
Description:	Rebuild approximately 4.3 mile, 115 kV line between Carriere SW and Picayune 115 kV substations with 1033.5 ACSR at 100°C.
Supporting Statement:	The Carriere SW – Picayune 115 kV line overloads under contingency.

In-Service Year:	2024
Project Name:	**RIDDLEVILLE BUS REPLACEMENT**
Description:	Replace the main 115kV bus at Riddleville substation with rating higher than 124MVA.
Supporting Statement:	The Riddleville-North Louisville J line section of the Sandersville #1 - Wadley Primary 115kV line overloads under contingency.

In-Service Year:	2024
Project Name:	**SOUTH BIRMINGHAM 115 KV PROJECT**
Description:	Construct a 115 kV switching station (Lakeshore SS) between Bessemer TS and Magella TS that loops in the existing Bessemer to Magella 115 kV transmission line and the North Helena to Patton Chapel 115 kV transmission line. Construct another 115 kV switching station (Massey Road SS) by expanding Massey Road DS and looping in the South Jefferson to North Helena 115 kV transmission line.
Supporting Statement:	Provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2024
Project Name:	**THOMSON PRIMARY - WARRENTON PRIMARY (WHITE) 115 KV LINE RECONDUCTOR**
Description:	Reconductor approximately 16.8 miles of 336 ACSR at 100°C on the Thomson Primary - Warrenton Primary 115 kV (White) transmission line with 795 ACSR at 100°C.
Supporting Statement:	The Thomson Primary - Warrenton Primary line overloads under contingency.

In-Service Year:	2024
Project Name:	**WARRENTON PRIMARY 230KV SWITCHES AND JUMPERS REPLACEMENT**
Description:	Replace 230kV 1200 A switches with 2000 A switches at Warrenton Primary side. Also, replace existing 230kV 1590 AAC Coreopsis jumpers at Warrenton Primary with at least 2-1590 AAC jumpers.
Supporting Statement:	The Goldens Creek - Warrenton Primary 230kV line overloads under contingency.

In-Service Year:	2025
Project Name:	**ALBERTA CITY - HOLT 115 KV TL RECONDUCTOR**
Description:	Reconductor approximately 4 miles of 795 ACSR at 100°C on the Alberta City - Holt 115 kV transmission line to 795 ACSS at 200°C.
Supporting Statement:	Provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2025
Project Name:	**ALCOVY ROAD - SKC 115KV RECONDUCTOR**
Description:	Reconductor part of the Alcovy Road - SKC 115kV line.
Supporting Statement:	The Alcovy Road - SKC 115 kV line overloads under contingency.

In-Service Year:	2025
Project Name:	**BASSETT CREEK – THOMASVILLE 115 KV TRANSMISSION LINE**
Description:	Upgrade approximately 11.3 miles of 397.5 ACSR from Bassett Creek to Thomasville 115 kV transmission line from 75°C to 125°C.
Supporting Statement:	The Bassett Creek to Thomasville 115 kV transmission line overloads under contingency.

In-Service Year:	2025
Project Name:	**BONAIRE PRIMARY - ECHECONNEE 115KV TRANSMISSION LINE**
Description:	Reconductor 2.3 miles of the Bonaire Primary - Echeconnee 115KV line of 100°C ACSR 636 to 100°C ACSR 795 conductor.
Supporting Statement:	The Bonaire Primary - Echeconnee 115KV line becomes overloaded under certain contingencies.

In-Service Year:	2025
Project Name:	**BROADWAY-DORSETT 115KV LINE**
Description:	Build a new 115kV transmission line between Broadway and Dorsett substations. Modify substation to accomodate the new line.
Supporting Statement:	This project addresses voltage and thermal constraints on the Broadway-Echeconnee and Broadway-South Macon 115kV lines.

In-Service Year:	2025
Project Name:	**CAPITOL HEIGHTS – CARTER HILL RD 115 KV TRANSMISSION LINE**
Description:	Reconductor ~2.5 miles of 556 AAC at 75°C from Capitol Heights – Carter Hill Rd to 795 ACSR at 100°C
Supporting Statement:	Provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2025
Project Name:	**ECHECONNEE - WELLSTON 115KV TRANSMISSION LINE RECONDUCTOR**
Description:	Reconductor 1.2 miles of the Echeconnee - Wellston 115KV line of 100°C 636 ACSR with 100°C 1033 ACSR
Supporting Statement:	The Echeconnee - Wellston 115kv line overloads under contingency.

In-Service Year:	2025
Project Name:	**GULFPORT LANDON – COOPERATIVE ENERGY LANDON TAP 115 KV TRANSMISSION LIN**
Description:	Rebuild approximately 5.5 mile, 115 kV transmisson line between Gulfport Landon substation and Coopertive Energy's Landon Tap with 1351 ACSR at 100°C.
Supporting Statement:	The Gulfport Landon - Coopertive Energy's Landon Tap 115 kV overloads under contingency.

In-Service Year:	2025
Project Name:	**HWY 45/234 - WESTOVER 115KV LINE**
Description:	Construct a new 115 kV line from Greenhouse Rd to Gillionville Substation (GTC).
Supporting Statement:	The Dawson - Palmyra 115 kV line overloads under contingency.

In-Service Year:	2025
Project Name:	**JEFFERSON STREET#3 - NORTHWEST (WHITE) 115 KV RECONDUCTOR**
Description:	Rebuild the 115 kV line from Northwest to Jefferson Street #3 (1.2 miles) with 200°C 1351 ACSS conductor.
Supporting Statement:	The line overloads under contingency.

In-Service Year:	2025
Project Name:	**JORDAN DAM - NORTH SELMA 115 KV TL RECONDUCTOR**
Description:	Reconductor approximately 24 miles of 397 ACSR 115 kV TL with 795 ACSS at 200°C between Jordan Dam & Vida TS.
Supporting Statement:	The Jordan Dam - North Selma 115 kV transmission line overloads under contingency. This project also provides additional operational and maintenance flexibility which then increases reliability.

In-Service Year:	2025
Project Name:	**LITTLE OGEECHEE REDUNDANT RELAY INSTALLATION**
Description:	Add a redundant relay scheme at Little Ogeechee 230 kV substation.
Supporting Statement:	the Jesup - Offerman 115 kV line overloads under contingency.

In-Service Year:	2025
Project Name:	**LUMBERTON - POPARVILLE 115 KV TRANSMISSION LINE REBUILD**
Description:	Rebuild approximately 12.5 mile, 115 kV transmission line between Lumberton and Poplarville 115 kV substations with 1033.5 ACSR at 100°C.
Supporting Statement:	The Lumberton – Poplarville 115 kV transmission line overloads under contingency.

In-Service Year:	2025
Project Name:	**SECOND SOUTH COWETA 230/115 KV AUTOBANK**
Description:	Add a second 400MVA, 230/115kV auto transformer at South Coweta.
Supporting Statement:	The 230/115kV South Coweta auto transformer becomes overloaded under contingency.

In-Service Year:	2025
Project Name:	**SILVERHILL TS 3RD AUTOBANK**
Description:	Add 3rd 230/115 kV Autobank at Silverhill TS during infrastructure project.
Supporting Statement:	The Silverhill 230/115 kV autobank overloads under contingency.

In-Service Year:	2025
Project Name:	**SUNNY SOUTH CAPACITOR BANK**
Description:	Install 1 - 15 Mvar, 115 kV FILTERED capacitor bank at Sunny South SS
Supporting Statement:	Low voltage in the area under contingency. This project provides voltage support under contingency scenarios.

In-Service Year:	2026
Project Name:	**BESSEMER – SOUTH BESSEMER 115 KV TRANSMISSION LINE**
Description:	Reconductor ~2 miles of 115 kV TL from McAdory Tap – Airport Lane Tap from 397 ACSR to 795 ACSR 26/7 at 100C
Supporting Statement:	The Bessemer - South Bessemer 115 kV transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**BLANKETS CREEK – WOODSTOCK 115 KV TRANSMISSION LINE REBUILD**
Description:	Rebuild approximately 2.5 miles of the Blankets Creek – Woodstock 115 kV transmission line.
Supporting Statement:	The Blankets Creek – Woodstock 115 kV transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**BRANCH - OASIS 230KV TRANSMISSION LINE RECONDUCTOR**
Description:	Reconductor 35.4 miles of the Branch - Oasis 230kv line from ACSR 1351.5 100°C with ACSS 1351 160°C. Upgrade substations along the path of network flow.
Supporting Statement:	The Branch - Oasis 230 kV line becomes overloaded under contingency.

In-Service Year:	2026
Project Name:	**EATONTON PRIMARY - OASIS 230KV TRANSMISSION LINE RECONDUCTOR**
Description:	Reconductor 25.6 miles of the Eatonton Primary - Oasis 230kv line from ACSR 1351.5 100°C with ACSS 1351 160°C.
Supporting Statement:	The Eatonton Primary - Oasis 230kV line becomes overloaded under contingency.

In-Service Year:	2026
Project Name:	**FULLER ROAD - COLUMBUS FIRST AVE 115 KV TL RECONDUCTOR**
Description:	Reconductor approximately 3 miles of 397 ACSR 115 kV TL at 100°C to 795 ACSR at 100°C from Columbus First Ave to Phenix Lumber.
Supporting Statement:	The Fuller Road - Columbus First Avenue 115 kV transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**GADSDEN – GULF STATES STEEL 115 KV TRANSMISSION LINE**
Description:	(1.) Reconductor approximately 2.5 miles 397 26/7 ACSR to 795 ACSR 267/ from Gulf States Steel to Morgan's Crossroads. (2.) Replace Gulf States Steel DS with a new 5-terminal, 4-breaker 115 kV ring bus SS across the street from the existing substation. (3.) Rebuild Praxair DS (115/6.9 kV) and connect it to the ring via a single terminal.
Supporting Statement:	Provides additional operational and maintenance flexibility which then increases reliability. In addition, associated with replacing aging equipment at Gulf States Steel DS.

In-Service Year:	2026
Project Name:	**GORDON-N DUBLIN 115KV (GORDON-ENGL MCI J) REBUILD**
Description:	Rebuild the Gordon - Engelhard McIntyre J of the Gordon-North Dublin 115kV line from 100°C 336.4 ACSR (2.81mi) Linnet and 75°C 4/0 F Copper/CW (3.18mi) to 100°C ACSR 795 conductor.
Supporting Statement:	The Gordon - North Dublin 115kV transmission line becomes overloaded under contingency.

In-Service Year:	2026
Project Name:	**HWY 112-EAST MOULTRIE 230KV LINE (NEW LINE)**
Description:	Build a new 27 miles 230 kV line between HWY 112 and East Moultrie substations with 100 °C 1351 ACSR conductor.
Supporting Statement:	This project addresses thermal overloads on the Daisy - West Valdosta 230 kV line and Mitchell - Raccoon Creek 230 kV under contingency.

In-Service Year:	2026
Project Name:	**JORDAN DAM - MARTIN DAM 115 KV TL (LINE B)**
Description:	Reconductor approximately 21 miles of 397 ACSR with 795 ACSS at 200°C between Jordan Dam and Martin Dam 115 kV TL (Line B).
Supporting Statement:	Provides additional operational and maintenance flexibility which then increases reliability.

In-Service Year:	2026
Project Name:	**KAOLIN JUNCTION 115KV SWITCHING STATION**
Description:	Build a 4-breaker 115kV ring bus in the vicinity of the Kaolin Junction area. The ring would have lines to Gordon, Sandersville #1 B1, and Sandersville #1 B2. Install capacitor bank Rebuild the line sections from Sandersville #1 – Sandersville #6- New SS on the Gordon - Sandersville #1 115kV line with 100°C 795 ACSR. Rebuild the line sections from Sandersville #1 – Sandersville #2 – Kaolin – New SS on the Sandersville - Kaolin 115kV line with 100°C 795 ACSR.
Supporting Statement:	This project addresses voltage and thermal constraints on the Sandersville #1 - Kaolin 115kV line and the Gordon - Sandersville #1 115kV line.

In-Service Year:	2026
Project Name:	**LEEDS TS – MOODY SS 115 KV TRANSMISSION LINE RECONDUCTOR**
Description:	Reconductor approximately 5.0 miles of 795 ACSR at 100°C with 1033.5 ACSS at 200°C.
Supporting Statement:	The Leeds to Moody 115 kV transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**MILLER - GORGAS 230 KV TL UPGRADE**
Description:	Upgrade approximately 16 miles of 1351 54/19 ACSR at 100° to 125°C on the Miller - Gorgas 230 kV transmission line.
Supporting Statement:	The Miller - Gorgas 230 kV transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**MOBILE AREA NETWORKING – 3RD PATH**
Description:	Construct a new substation at Dawes Tap on the Big Creek to N. Theodore 115 kV transmission line. Reconductor approximately 4.0 miles of 115 kV transmission line from Lott Road to Schillinger Road with 795 ACSS at 200°C. Reconductor approximately 6.3 miles of 115 kV transmission line from North Mobile to Michael Blvd with 397 ACSS at 200°C.
Supporting Statement:	Provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2026
Project Name:	**MOSS POINT EAST – PASCAGOULA BAYOU CASOTTE 115 KV TRANSMISSION LINE**
Description:	Construct approximately 2.7 miles of new 1033.5 ACSR 115 kV transmission line at 100°C from Moss Point East and connect into the existing BP Amoco to Pascagoula Bayou Cassotte 115 kV transmission line.
Supporting Statement:	The Moss Point East to Pascagoula MS Chemical 115 kV transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**NORTH 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 Multistate CU. Reconductor approximately 1.0 mile of the Hollinger's Island DS – Holcim CU 115 kV transmission line to 795 ACSR at 100°C.
Supporting Statement:	Provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2026
Project Name:	**SOUTH BESSEMER 500/230 AUTOBANK**
Description:	Add a second 500/230 kV autobank at South Bessemer TS
Supporting Statement:	Low voltage in the area under contingency. This project provides voltage support under contingency scenarios.

In-Service Year:	2026
Project Name:	**WEST TECH CAPACITOR BANKS**
Description:	Install two new 115kV, 15MVAr capacitors at West Tech
Supporting Statement:	Provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2027
Project Name:	**AUGUSTA CORPORATE PARK - VOGTLE 230KV TRANSMISSION LINE REBUILD**
Description:	Rebuild 14.2 miles of the Augusta Corporate Park - Vogtle 230kV line of existing 100°C 2-795 ACSR Drake conductor with 100°C 2-1351 ACSR Martin conductor.
Supporting Statement:	The Augusta Corportate Park - Vogtle 230 kV transmission line becomes overloaded under contingency.

In-Service Year:	2027
Project Name:	**AUTAUGAVILLE - EAST PELHAM NEW 230 KV TRANSMISSION LINE**
Description:	Construct ~75 miles new 230 kV transmission line bundled 1351 ACSR 54/19 from Autaugaville TS to East Pelham TS
Supporting Statement:	The Bessemer – South Bessemer 230 kV transmission line overloads under contingency. Provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2027
Project Name:	**BASSETT CREEK – OCTAGON 115 KV TRANSMISSION LINE**
Description:	Upgrade approximately 32 miles of 397.5 ACSR from Bassett Creek to Octagon 115 kV transmission line from 75°C to 125°C.
Supporting Statement:	The Bassett Creek to Thomasville 115 kV transmission line overloads under contingency.

In-Service Year:	2027
Project Name:	**BREMEN - CROOKED CREEK 115 KV TL**
Description:	Upgrade ~29.5 miles of 397 30/7 ACSR from 100°C to 125°C from Crooked Creek TS to Indian Creek metering station
Supporting Statement:	The Bremen - Crooked Creek 115 kV transmission line overloads under contingency.

In-Service Year:	2027
Project Name:	**DAWSON CROSSING - NELSON (WHITE) 115 KV LINE REBUILD**
Description:	Rebuild approximately 14 miles of 336 ACSR the Dawson Crossing - Nelson (White) 115 kV line from Dawson Crossing - Reavis Mountain using 100°C 795 ACSR Drake.
Supporting Statement:	The Dawson Crossing - Nelson (White) 115 kV line overloads under contingnecy.

In-Service Year:	2027
Project Name:	**DRESDEN - LAGRANGE PRIMARY 230KV TRANSMISSION LINE REBUILD**
Description:	Rebuild the 25.5 miles of Dresden - Lagrange Primary 230 kV line with 200°C 1351.5 ACSS Martin conductor. Ensure all substation equipment along the path of network flow matches or surpasses the rating of the new conductor.
Supporting Statement:	The Dresden - Lagrange Primary 230kV line overloads under contingency.

In-Service Year:	2027
Project Name:	**ENTERPRISE TS – PINCKARD #2 115 KV TRANSMISSION LINE**
Description:	Reconductor ~7.5 miles of 266 ACSR at 100 °C of the Enterprise to Daleville DS to 795 ACSR at 100° C
Supporting Statement:	The Enterprise - Pinckard #2 115 kV transmission line overloads under contingency.

In-Service Year:	2027
Project Name:	**LAGRANGE - NORTH OPELIKA 230 KV (NEW LINE)**
Description:	Build a new Lagrange - North Opelika (APC) 230 kV line (29.4 miles) via a Metering Point located at the Georgia - Alabama border.
Supporting Statement:	To minimize system impact and to improve system reliability, the project has been proposed as the most cost-effective solution which solves multiple overloads.

In-Service Year:	2027
Project Name:	**SKC REPLACE 115KV BUS AND JUMPERS**
Description:	Replace 115kV bus and jumpers at SKC substation.
Supporting Statement:	On the Covington #2 - SKC 115kV line, the jumpers and bus at SKC, load beyond their rating during a contingency

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In-Service Year:	2027
Project Name:	**THOMSON PRIMARY 230/115-KV SECOND TRANSFORMER**
Description:	Install a second 300 MVA, 230/115kV transformer at Thomson Primary substation.
Supporting Statement:	This project addreses overlods under contingency on the Thomson Primary 230/115 kVauto transformer and the Evans Primary - Thomson Primary 115kV line.

In-Service Year:	2027
Project Name:	**WEBB – BLAKELY (GPC) 115 KV TL**
Description:	Reconductor ~10.5 miles of 397 ACSS at 160 °C of the Webb to Blakely (GPC) 115kV TL to 795 ACSS at 200° C.
Supporting Statement:	The Webb - Blakely 115 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**ACIPCO EAF - BOYLES 230 KV TRANSMISSION LINE**
Description:	Construct ~3 miles of 1351 54/19 ACSR at 100°C from ACIPCO EAF to Boyles TS.
Supporting Statement:	The Boyles - Miller 230 kV transmission line overloads under contingency. Also Provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2028
Project Name:	**ANNISTON - CROOKED CREEK 115 KV TL**
Description:	Reconductor approximately 28 miles of 397 30/7 ACSR to 795 26/7 ACSR from Golden Springs DS to Crooked Creek TS 115 kV transmission line
Supporting Statement:	Provides additional operational and maintenance flexibility, which increases reliability. In addition, the line is being reconductored due to the age and condition of the structures and conductor.

In-Service Year:	2028
Project Name:	**DRESDEN - YATES 230 KV LINE JUMPER REPLACEMENT**
Description:	Replace the jumpers at Dresden and Yates on the Dresden - Yates 230 kV line with 2-1590 AAC jumpers.
Supporting Statement:	The Dresden - Lagrange Primary 230 kV transmission line becomes overloaded under contingency.

In-Service Year:	2028
Project Name:	**FLOMATON - NORTH BREWTON 115 KV TL**
Description:	Reconductor approximately 16.0 miles of 795 ACSR at 100°C from N. Brewton – Flomaton 115kV with 795 ACSS at 200°C.
Supporting Statement:	The Flomaton - North Brewton 115 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**JESUP - LUDOWICI 115KV TRANSMISSION LINE RECONDUCTOR**
Description:	Reconductor 2.6 miles of the Jesup - Ludowici 115kV line of 100°C 336.4 ACSR with 100°C 795 ACSR conductor.
Supporting Statement:	The Jesup - Ludowici 115 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**MILLER SP 500 KV SERIES BREAKER**
Description:	Install 500 kV series breaker between Miller – Clay 500 kV TL and Miller – East Point (TVA) TL at Miller SP
Supporting Statement:	The Boyles - Miller 230 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**MILLER SP 500 KV SERIES BREAKER**
Description:	Install 500 kV series breaker between Miller – Clay 500 kV TL and Miller – East Point (TVA) TL at Miller SP
Supporting Statement:	The Boyles - Miller 230 kV transmission line and the Red Mountain - East Birmingham 115 kV TL overloads under contingency. Also Provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2028
Project Name:	**MORROW - YATES 115 KV LINE UPGRADE**
Description:	On the Morrow - Yates 115 kV line, upgrade the Fife - Fairburn SW- Owens Corning Tap sections, approximately 5.8 miles of 50°C 477 ACSR, for 100°C operation.
Supporting Statement:	The Morrow - Yates 230kV line overloads under contingency.

In-Service Year:	2028
Project Name:	**SOUTH BESSEMER 500/230 AUTOBANK**
Description:	Add a second 500/230 kV autobank at South Bessemer TS
Supporting Statement:	Low voltage in the area under contingency. This project provides voltage support under contingency scenarios.

In-Service Year:	2029
Project Name:	**DOUGLASVILLE - POST ROAD 115KV LINE REBUILD PHASE 2 (DOUGLASVILLE - ANNEEW**
Description:	Rebuild 6 miles from Douglasville to the Anneewakee Junction on the Douglasville - Post Road 115 kV line of 100 °C 397 ACSR using 100 °C 795 ACSR conductor.
Supporting Statement:	The Douglasville - Post Road 115 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**ROCKY RIDGE RADIAL 115 KV TRANSMISSION LINE**
Description:	Reconductor ~0.5 miles of 115 kV TL from Rocky Ridge Tap to Rocky Ridge DS from 4/0 ACSR at 50C to 795 ACSR 26/7 at 100C
Supporting Statement:	Provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2029
Project Name:	**THURLOW DAM – UNION SPRINGS 115 KV TL**
Description:	Rebuild ~25 miles of 397 ACSR at 75 °C from Union Springs to Halla Climate Tap to 795 ACSR at 100° C
Supporting Statement:	Provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2030
Project Name:	**ARLINGTON PRIMARY - HWY45/234 115KV TRANSMISSION LINE RECONDUCTOR**
Description:	Reconductor approximately 42.61 miles along the Arlington - Dawson Primary 115 kV transmission line with 1351 ACSR at 100 °C.
Supporting Statement:	The Arlington Primary - Dawson Primary 115 kV transmission line becomes overloaded under contingency.

In-Service Year:	2030
Project Name:	**DOUGLASVILLE - WEST MARIETTA 115KV REBUILD**
Description:	Rebuild 2.3 miles of the Douglasville - Lithia Springs line section of Douglasville - North Marietta 115kV line from 100°C 477.0 ACSR to 100°C 795 ACSR.
Supporting Statement:	The Douglasville - West Marietta 115kV line becomes overloaded under contingency.

In-Service Year:	2030
Project Name:	**DOUGLASVILLE - WEST MARIETTA 115KV REBUILD**
Description:	Rebuild 2.3 miles of the Douglasville - Lithia Springs line section of Douglasville - North Marietta 115kV line from 100°C 477.0 ACSR to 100°C 795 ACSR.
Supporting Statement:	The Douglasville - West Marietta 115kV line becomes overloaded under contingency.

In-Service Year:	2030
Project Name:	**NORTH BAY MINETTE AREA SOLUTION**
Description:	Construct a new substation at Bay Minette Tap and upgrade approximately 12.4 miles of the Bay Minette DS to Steelwood 115 kV transmission line to 100°C.
Supporting Statement:	Provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2030
Project Name:	**PELL CITY AREA SOLUTION**
Description:	Construct new Pell City Industrial Park SS and new approximately 10 mile 115 kV TL from Pell City Industrial Park SS – Jackson Shoals TS utilizing 795 26/7 ACSR @ 100°C. Convert East Pell City DS and 25th Street DS to 115 kV
Supporting Statement:	Low voltage and thermal constraints in the area under contingency. This project provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2030
Project Name:	**SOUTH BAINBRIDGE - THOMASVILLE 115KV RODDENBERY TRANSMISSION LINE REBUIL**
Description:	Rebuild 2.1 miles segment from line tap into Roddenbery Station on the South Bainbridge - Thomasville 115kV line from 50 °C ACSR TW 762.8 to 100°C ACSR 795.
Supporting Statement:	The Roddenberry - Roddenberry J tap on the South Bainbridge - Thomasville 115kV transmission line becomes overloaded under contingency.

In-Service Year:	2030
Project Name:	**THOMASVILLE 230/115KV AUTOBANK REPLACEMENT**
Description:	Replace 140MVA 230/115kV auto transformer #4 at Thomasville substation.
Supporting Statement:	The 230/115kV auto transformer #4 at Thomasville substation becomes overloaded under contingency.

In-Service Year:	2030
Project Name:	**UNION SPRINGS - PINCKARD 115 KV TRANSMISSION LINE**
Description:	Rebuild ~8.1 miles of 397 ACSR of the Pinckard – Ewell SS 115 kV TL from 397 ACSR at 49°C to 795 ACSR at 100° C. Reconductor ~50 miles of 397 ACSR at 50 °C Union Springs – Ewell 115 kV TL to 795 ACSR at 100° C
Supporting Statement:	The Union Springs - Pinckard 115 kV TL overloads under contingency. Provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2031
Project Name:	**ALEX CITY AREA SOLUTION**
Description:	Construct new West Alex City SS and upgrade approximately 34 miles from Sylacauga TS to Willow Point DS 115 kV TL 397.5 30/7 ACSR at 75°C to 100°C. Construct new West Dadeville TS networking Alex City, Crooked Creek – Martin Dam No. 2, and Thweatt. Reconductor ~4.52 miles from new West Alex City SS to City of Alex City #3 with 795 45/7 ACSR at 100°C
Supporting Statement:	The Martin Dam – Sylacauga 115 kV transmission line overloads under contingency. Provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2031
Project Name:	**AULTMAN ROAD - BONAIRE PRIMARY 115 KV RECONDUCTOR**
Description:	Reconductor the 1.99 miles, Sleepy Hollow - Peach Blossom 115 kV section (presently 100°C 336 ACSR) of the Aultman Road - Bonaire Primary 115kV line, with 100°C 795 ACSR. GTC: Upgrade substations along the path of network flow.
Supporting Statement:	The Aultman Road - Bonaire Primary 115KV line overloads under contingency.

In-Service Year:	2031
Project Name:	**AVERY - HOPEWELL 115KV RECONDUCTOR**
Description:	Reconductor approximately 3.3 miles of 100 °C ACSR 636 to 100 °C ACSR 795 conductor on the Hopewell to Birmingham line section on the Avery - Hopewell 115kV line. Replace substation equipment along the path of network flow with one that matches or surpasses the rating of the new conductor.
Supporting Statement:	The Hopewell - Birmingham line section of the Avery - Hopewell 115 kV transmission line becomes overloaded under contingency.

In-Service Year:	2031
Project Name:	**EATONTON PRIMARY 115KV CAP BANK**
Description:	Install a 115kV capacitor bank at Eatonton Primary substation.
Supporting Statement:	This project addresses low voltage on buses along the Eatonton Primary - Lake Oconee 115kV transmission line under contingency.

In-Service Year:	2031
Project Name:	**ECHECONNEE-WELLSTON 115KV (N WARNER ROB-S WARNER ROB) REBUILD**
Description:	Rebuild the line section between North Warner Robins - South Warner Robins, 1.5 miles, on the Echeconnee - Wellston 115kV line from 100°C ACSR 636 to 100°C ACSR 1351. Upgrade substations along the path of network flow.
Supporting Statement:	The North Warner Robins-South Warner Robins line section of the Echeconnee-Wellston 115kV line overloads under contingency.

In-Service Year:	2031
Project Name:	**FORTSON - LAGRANGE PRIMARY 230 KV**
Description:	Reconductor 37.5 miles on the Fortson - Lagrange Primary 230 kV line from 1033 ACSR 100°C to 1590 ACSR 100°C on the Big Springs - Lagrange Primary, Big Springs - Hopewell Church, Mulberry Gr - Hopewell Church, and Mulberry Gr - Fortson line sections.
Supporting Statement:	The Fortson - Lagrange Primary 230kV line overloads under contingency.

In-Service Year:	2031
Project Name:	**GREENVILLE AREA SOLUTION**
Description:	Construct 230 kV ring bus at Greenville TS
Supporting Statement:	Provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2032
Project Name:	**ADAMSVILLE - BUZZARD ROOST 230KV LINE JUMPER REPLACEMENT**
Description:	Replace the AAC 750 jumper at Adamsville substation with 1-1590 AAC jumper.
Supporting Statement:	The jumper at Adamsville substation on the Adamsville - Buzzard Roost 230 kV line overloads past its rating under contingency.

In-Service Year:	2022
Project Name:	**ARTESIA - W. COLUMBUS 161 KV TRANSMISSION LINE**
Description:	Construct the Artesia 161 kV Substation. Construct approximately 12.0 miles for Artesia - W. Columbus with 954 ACSS at 150°C. Reconductor approximately 15.0 miles of W. Point - Starkville 161 kV with 954 ACSS at 150°C.
Supporting Statement:	Additional thermal capacity and voltage support is needed in the West Point and Columbus area under contingency.

In-Service Year:	2022
Project Name:	**KNOX - DOUGLAS 161 KV TRANSMISSION LINE**
Description:	Rebuild approximately 11.0 miles of the Knox – Douglas 161 kV transmission line with 954 ACSS at 125°C.
Supporting Statement:	The Knox – Douglas 161 kV transmission line overloads under contingency.

In-Service Year:	2022
Project Name:	**PHIPPS BEND 500 KV SUBSTATION**
Description:	Rebuild structures with weathered steel in the Phipps Bend 500 and 161 kV yard.
Supporting Statement:	Steel structures in the Phipps Bend 500 kV and 161 kV yards are beginning to show signs of corrosion and will be replaced.

In-Service Year:	2023
Project Name:	**ALCOA SS – NIXON ROAD 161 KV TRANSMISSION LINE**
Description:	Rebuild approximately 12.0 miles of the Alcoa North – Nixon Road 161 kV transmission line with 1590 ACSR at 100°C and construct approximately 2.0 miles of new transmission line to create the Alcoa SS – Nixon Rd 161 kV #2 transmission line.
Supporting Statement:	The Alcoa Switching Station – Nixon Road 161 kV transmission line overloads under contingency.

In-Service Year:	2023
Project Name:	**ANDERSON 500 KV SUBSTATION**
Description:	Build new Anderson 500kV Substation and build Anderson 500/161 kV transformer.
Supporting Statement:	500/161 kV transformer in the area overloads under contingency.

In-Service Year:	2023
Project Name:	**GALLATIN - CAIRO BEND 161 KV TRANSMISSION LINE**
Description:	Reconductor approximately 2.2 miles of the Gallatin - Cairo Bend 161 kV transmission line section with 954 ACSS at 150°C and upgrade terminal equipment to 440 MVA at Gallatin 161 kV.
Supporting Statement:	The Gallatin FP - Cairo Bend 161 kV transmission line section overloads under contingency.

In-Service Year:	2023
Project Name:	**NORTH DAYTON 161 KV TRANSMISSION LINE**
Description:	Construct North Dayton 161 kV substation. Loop in Sequoyah - WBHP 161 kV transmission line into new substation by constructing approximately 27.0 miles of transmission line using 1351 ACSR.
Supporting Statement:	Additional thermal capacity and voltage support is needed in the North Dayton, TN area under contingency.

In-Service Year:	2023
Project Name:	**WILSON - LEBANON 161 KV TRANSMISSION LINE**
Description:	Rebuild approximately 6.0 miles on the Wilson - Lebanon 161 kV transmission line with 636 ACSR at 100°C and upgrade terminal equipment to 230 MVA at Lebanon 161 kV substation.
Supporting Statement:	The Wilson - Lebanon 161 kV transmission line overloads under contingency.

In-Service Year:	2025
Project Name:	**APALACHIA - BASIN RECONDUCTOR/UPRATE**
Description:	Reconductor the 8.4 miles of ACSR 477, replace a wave trap at Basin, and reset a CT at Apalachia.
Supporting Statement:	The Apalachia - Basin 161 kV transmission line overloads under contingency.

In-Service Year:	2025
Project Name:	**DICKSON 161 KV AREA IMPROVEMENT**
Description:	Construct approximately 19.5 miles of new 161 kV transmission line from Bon Aqua to Burns, construct approximately 4.3 miles new 161 kV double circuit into Dickson, and construct a new Locust Creek 161 kV Substation.
Supporting Statement:	Voltage support is needed in the Dickson, TN area under contingency.

In-Service Year:	2025
Project Name:	**ISLAND RD 138KV CAPACITOR BANK**
Description:	Construct the Island Road 138kV Substation with a minimum of a 72MVAR capacitor bank.
Supporting Statement:	Voltage support is needed in the North Bristol, TN area under contingency.

In-Service Year:	2026
Project Name:	**LIMESTONE - SEWELL 161 KV #2 TRANSMISSION LINE**
Description:	Construct approximately 2.1 miles of 161 kV transmission line with 2034 ACSR at 100°C on the existing Limestone - Sewell 161 kV double circuit towers.
Supporting Statement:	Additional thermal capacity and voltage support is needed in the Huntsville, AL area under contingency.

In-Service Year:	2026
Project Name:	**NORTH OAKLAND - COFFEEVILLE 161 KV TRANSMISSION LINE**
Description:	Construct approximately 18.0 miles of new 161 kV transmission line from North Oakland - Coffeeville using 954 ACSR at 100°C and upgrade terminal equipment to 472 MVA at Batesville 161 kV substation.
Supporting Statement:	Multiple 161 kV transmission lines overload under contingency.

In-Service Year:	2026
Project Name:	**PHILADELPHIA REACTOR**
Description:	Install three 27MVAR reactors at the Philadelphia 161kV Substation.
Supporting Statement:	Voltage support is needed in TVA's Mississippi area under contingency.

In-Service Year:	2027
Project Name:	**DAVIDSON 500 KV SWITCH HOUSE**
Description:	Construct a new 500 kV switch house with all new assets and replace aging assets in the Davidson Yard.
Supporting Statement:	Additional thermal capacity and voltage support is needed in the Davidson County, TN area under contingency.

In-Service Year:	2027
Project Name:	**MIDWAY - S MACON - DEKALB 161 KV TRANSMISSION LINE**
Description:	Construct approximately 20 miles new 161 kV transmission line from Midway to S Macon and approximately 31.3 miles new 161 kV transmission line from S Macon to Dekalb via Scooba.
Supporting Statement:	Voltage support is needed in TVA's Mississippi area under contingency.

In-Service Year:	2028
Project Name:	**LIMESTONE 500KV DOUBLE BREAKER AND LOOP**
Description:	For a fault on the Limestone - Madison 500kV TL and a stuck breaker at the Limestone 500kV Substation, the Trinity 500kV transformer bank exceeds its capacity. By June 2028, TVA will reconfigure the Limestone 500kV substation by adding breakers to the station.
Supporting Statement:	Reconfigure the 500kV yard at Limestone by adding breakers and loop in the Browns Ferry - Maury 500kV TL.