In-Service Year:	2026
Project Name:	**CROCKER SOUTH - LEBANON #2 161 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the 24.48 mile-long Crocker South - Lebanon #2 161 kV transmission line with 795 ACSR at 100°C.
Supporting Statement:	The Crocker South - Lebanon 161 kV transmission line overloads under contingency.

In-Service Year:	2027
Project Name:	**GAINESVILLE #2 - BULL SHOALS 161 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the 24.42 mile-long Gainesville #2 - Bull Shoals 161 kV transmission line 795 ACSR at 100°C.
Supporting Statement:	The Gainesville - Bull Shoals 161 kV transmission line overloads under contingency.

In-Service Year:	2027
Project Name:	**MANSFIELD - GAINESVILLE #2 161 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the 31.58 mile-long Mansfield - Gainesville #2 161 kV transmission line with 795 ACSR at 100°C.
Supporting Statement:	The Mansfield - Gainesville 161 kV transmission line can overload under contingency.

In-Service Year:	2028
Project Name:	**MORGAN - BROOKLINE 161 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the 26.49 mile-long Morgan - Brookline 161 kV transmission line with 795 ACSR at 100°C.
Supporting Statement:	The Morgan - Brookline 161 kV transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**BUSH RIVER TIE - LAURENS TIE 100 KV TRANSMISSION LINES, REBUILD**
Description:	Rebuild the full 29 miles of the Bush River Tie - Laurens Tie 100 kV double circuit line with 1158 ACSS/TW at 200°C. Part of the Red Zone 1 set of projects.
Supporting Statement:	Support future solar generation in the area and address potential contingency loading conditions on the Bush River Tie - Laurens Tie 100 kV transmission line.

In-Service Year:	2026
Project Name:	**CLOVER TIE - CUSTOMER SUBSTATION 44 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild 0.5 miles (structure 73.0 - Bethel Retail) of the Clover Tie - Customer Substation to double circuit with 44 kV on one side and 100 kV on the other with 556 ACSR at 120°C. Convert 1.2 miles (Bethel Retail - Customer Substation) of the Clover Tie.
Supporting Statement:	44 kV voltages in the area can drop under extreme loading conditions.

In-Service Year:	2026
Project Name:	**CRETO TIE - CORONACA TIE 100 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild and add a second circuit to 13 miles of the single circuit Creto Tie - Coronaca Tie 100 kV transmission line with 954 ACSR at 120°C.
Supporting Statement:	The Creto Tie - Coronaca Tie 100 kV transmission line can overload under contingency.

In-Service Year:	2026
Project Name:	**LEE STEAM STATION - SHADY GROVE TIE 100 KV TRANSMISSION LINE (LEE CIRCUITS), REBUILD**
Description:	Rebuild the entire Lee Steam Station - Shady Grove 100 kV transmission line (Lee circuits) with 1158 ACSS/TW at 200°C. Part of the Red Zone 1 Projects.
Supporting Statement:	The Lee Steam Station - Shady Grove 100 kV transmission line can overload under contingency.

In-Service Year:	2026
Project Name:	**LEE STEAM STATION - SHADY GROVE TIE 100 KV TRANSMISSION LINE (PIEDMONT CIRCUITS), REBUILD**
Description:	Rebuild the entire Lee Steam Station - Shady Grove 100 kV transmission line (Piedmont circuits) with 1158 ACSS/TW at 200°C. Part of the Red Zone 1 Projects.
Supporting Statement:	The Lee Steam Station - Shady Grove 100 kV transmission lines can overload under contingency.

In-Service Year:	2026
Project Name:	**OAKVALE TIE - EAST GREENVILLE TIE 100 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild 4.5 miles (East Greenville - Verdae Retail) of the Oakvale Tie - East Greenville Tie 100 kV double circuit transmission line with 795 ACSS/TW at 200°C.
Supporting Statement:	The Oakvale Tie - East Greenville Tie 100 kV transmission line can overload under contingency.

In-Service Year:	2026
Project Name:	**PEACH VALLEY TIE - CLIFFSIDE 5 SWITCHING STATION 100 KV TRANSMISSION LINES, REBUILD**
Description:	Rebuild Peach Valley - Enola Retail (1.2 miles) of the Peach Valley Tie - Cliffside 5 Switching Station 100 kV with 954 ACSR at 120°C.
Supporting Statement:	The Peach Valley Tie - Cliffside 5 Switching Station 100 kV transmission lines can overload under contingency.

In-Service Year:	2026
Project Name:	**SHELBY TIE - HILLTOP TIE 100 KV TRANSMISSION LINES, REBUILD**
Description:	Rebuild 3.2 miles (Customer Tap - Customer Tap) of the Shelby Tie - Hilltop Tie 100 kV transmission lines with bundled 954 ACSR at 120°C.
Supporting Statement:	The Shelby Tie - Hilltop Tie 100 kV transmission lines can overload under contingency.

In-Service Year:	2026
Project Name:	**WYLIE SWITCHING STATION - WOODLAWN TIE 100 KV TRANSMISSION LINE**
Description:	Reconductor Wylie Tie - Arrowood Retail 100 kV (8 miles) of the Wylie Tie - Woodlawn Tie 100 kV double circuit transmission line with bundled 477 ACSR at 120°C.
Supporting Statement:	The Wylie Tie - Woodlawn Tie 100 kV transmission line can overload under contingency.

In-Service Year:	2027
Project Name:	**BOYD SWITCHING STATION 230 KV, CONSTRUCT**
Description:	Construct a new Boyd 230 kV switching station along the Marshall Steam Station - Longview Tie 230 kV transmission line.
Supporting Statement:	The Marshall Steam Station - Longview Tie 230 kV transmission line can overload under contingency.

In-Service Year:	2027
Project Name:	**DIXON SCHOOL RD - CUSTOMER DELIVERY 230 KV TRANSMISSION LINE, CONSTRUCT**
Description:	Construct a new 1.3 mile 230 kV transmission line from Dixon School Rd to a customer delivery station with 954 ACSR at 120°C.
Supporting Statement:	To support additional customer growth in the region.

In-Service Year:	2027
Project Name:	**HAAS CREEK SWITCHING STATION 230 KV, CONSTRUCT**
Description:	Construct a new Haas Creek 230 kV switching station along the Orchard Tie - Longview Tie 230 kV transmission line.
Supporting Statement:	The Orchard Tie - Longview Tie 230 kV transmission line can overload under contingency.

In-Service Year:	2027
Project Name:	**HANDS MILL SWITCHING STATION 230 KV, CONSTRUCT**
Description:	Construct a new Hands Mill 230 kV switching station along the Newport Tie - Catawba Nuclear 230 kV transmission line.
Supporting Statement:	Newport Tie - Catawba Nuclear 230 kV transmission line can overload under contingency.

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

In-Service Year:	2027
Project Name:	**LAWSONS FORK TIE - WEST SPARTANBURG TIE 100 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild 4 miles (Lawsons Fork Tie - Una Retail) of the Lawsons Fork Tie - West Spartanburg Tie 100 kV transmission line with 1272 ACSR at 120°C.
Supporting Statement:	The Lawsons Fork Tie - West Spartanburg Tie 100 kV transmission line can overload under contingency.

In-Service Year:	2027
Project Name:	**LYLE CREEK SWITCHING STATION 100 KV, CONSTRUCT**
Description:	Construct a new Lyle Creek 100 kV switching station along the Hickory Tie - Lookout Tie 100 kV transmission line.
Supporting Statement:	Hickory Tie - Lookout Tie 100 kV transmission line can overload under contingency.

In-Service Year:	2027
Project Name:	**NORTH GREENVILLE TIE - PISGAH TIE 100 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild 11.5 miles (North Greenville Tie to Marietta Tie) of the North Greenville Tie - Pisgah Tie 100 kV transmission line with 1272 ACSR at 120°C.
Supporting Statement:	The North Greenville Tie - Pisgah Tie 100 kV transmission line can overload under contingencies.

In-Service Year:	2027
Project Name:	**SHATTALON SWITCHING STATION 100 KV, INSTALL**
Description:	Install a remedial action scheme at Shattalon Switching Station 100 kV.
Supporting Statement:	The Rural Hall Tie - Shattalon Switching Station 100 kV transmission lines can overload under contingency.

In-Service Year:	2028
Project Name:	**BUSH RIVER TIE - CRETO TIE 100 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild 8 miles (Bush River Tie - Newberry PV) of the Bush River Tie - Buzzard Roost 100 kV transmission line with 1158 ACSS/TW at 200°C. Project is part of Red Zone 2.0.
Supporting Statement:	Various generator interconnection studies have shown the need to upgrade this line. This upgrade is needed to enable generation consistent with the approved IRP.

In-Service Year:	2028
Project Name:	**BUSH RIVER TIE 115/100 KV AUTOTRANSFORMERS, REPLACE**
Description:	Replace existing 115/100 kV autotransformers 7 and 8 with new transformers. Project is part of Red Zone 2.0.
Supporting Statement:	Various generator interconnection studies have shown the need to upgrade this line. This upgrade is needed to enable generation consistent with the approved IRP.

In-Service Year:	2028
Project Name:	**HARRISBURG TIE 230/100/44 KV AUTOTRANSFORMER, REPLACE**
Description:	Replace existing 230/100/44 kV autotransformer 3 with new larger autotransformer.
Supporting Statement:	Harrisburg Tie 230/100/44 kV autotransformer 3 can overload under contingency.

In-Service Year:	2028
Project Name:	**N GREENVILLE TIE AUTOTRANSFORMER 230/100/44 KV, REPLACE**
Description:	Replace existing bank 1 with new larger 230/100/44 kV autobank. Replace existing 230 kV and 44 kV oil breakers with gas breakers.
Supporting Statement:	Existing N Greenville 230/100/44 kV tie bank 1 can overload under contingency.

In-Service Year:	2028
Project Name:	**SHELBY TIE 230/100/44 KV AUTOTRANSFORMER, REPLACE**
Description:	Replace existing 230/100/44 kV autotransformer 3 with new larger autotransformer.
Supporting Statement:	Shelby Tie 230/100/44 kV autotransformer 3 can overload under contingency.

In-Service Year:	2029
Project Name:	**HODGES TIE SWITCHYARD 230KV, EXPANSION**
Description:	Expand the 230 kV switchyard at Hodges Tie to a full breaker and a half layout. Install an additional autotransformer.
Supporting Statement:	The Hodges Tie - Belton Tie 100 kV transmission lines can overload under contingencies.

In-Service Year:	2029
Project Name:	**LONGVIEW TIE - LYLE CREEK SWITCHING STATION 100 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild 3 miles (Longview Tie - North Lakes Retail) of the Longview Tie - Lyle Creek Switching Station 100 kV transmission line with 477 ACSS/TW at 200°C. Extend the line 5 miles utilizing the Hickory Tie - Lookout Tie 44 kV transmission line right of way
Supporting Statement:	The Hickory Tie - Lyle Creek 100 kV, Lyle Creek - Lookout Tie 100 kV, and the Stamey Tie - Lookout Tie 100 kV transmission lines can overload under contingencies.

In-Service Year:	2029
Project Name:	**NORTH GREENSBORO TIE - GREENSBORO MAIN 100 KV TRANSMISSION LINES, REBUILD**
Description:	Rebuild both of the North Greensboro Tie - Greensboro Main 100 kV transmission lines with 1158 ACSS/TW at 200°C.
Supporting Statement:	The North Greensboro - Greensboro Main 100 kV transmission line can overload under contingency.

In-Service Year:	2029
Project Name:	**OAKBORO TIE - LILESVILLE TIE (DEP) 230 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild 5.13 miles (Oakboro to DEP change of ownership) of the Oakboro Tie - Lilesville Tie (DEP) 230 kV transmission line with bundled 1272 ACSR at 120°C. Project is part of Red Zone 2.0.
Supporting Statement:	Various generator interconnection studies have shown the need to upgrade this line. This upgrade is needed to enable generation consistent with the approved IRP.

In-Service Year:	2029
Project Name:	**STATESVILLE TIE - MOORESVILLE TIE 44 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild 7.9 miles (Statesville Tie - Perth Rd Retail Tap) of the Statesville Tie - Mooresville Tie 44 kV transmission line with 954 ACSR at 120°C as double circuit, establishing a new 100 kV circuit out of Statesville Tie.
Supporting Statement:	The existing Statesville Tie - Mooresville Tie 44 kV transmission line can overload.

In-Service Year:	2030
Project Name:	**LEE CC - BELTON TIE 100 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the entire Lee CC - Belton Tie 100 kV transmission line (6.4 miles) with 1533 ACSS/TW at 200°C. Project is part of Red Zone 2.0.
Supporting Statement:	Various generator interconnection studies have shown the need to upgrade this line. This upgrade is needed to enable generation consistent with the approved IRP.

In-Service Year:	2030
Project Name:	**LOOKOUT TIE 100 KV, INSTALL**
Description:	Install a remedial action scheme at Lookout Tie 100 kV.
Supporting Statement:	The Lyle Creek - Lookout Tie 100 kV transmission lines and the Lookout Tie - Stamey Tie 100 kV transmission lines can overload under contingency.

In-Service Year:	2031
Project Name:	**CENTRAL TIE 230 KV, INSTALL**
Description:	Install a 230 kV series bus junction breaker at Central Tie 230 kV.
Supporting Statement:	Contingencies involving the single bus junction breaker at Central Tie 230 kV can cause a number of 100 kV overloads throughout the region.

In-Service Year:	2031
Project Name:	**ENO TIE - CREST STREET SWITCHING STATION 100 KV**
Description:	Correct clearance issues on the Eno Tie - Crest Street Switching Station 100 kV to improve ratings of the existing bundled 477 ACSR conductor to 120°C.
Supporting Statement:	The Eno Tie - Crest Street Switching Station 100 kV transmission lines can overload under contingency.

In-Service Year:	2031
Project Name:	**LEE CC - LEE STEAM 100 KV TRANSMISSION LINE, CONSTRUCT**
Description:	Construct a new 100 kV busline between Lee CC and Lee Steam with 1158 ACSS/TW at 200°C.
Supporting Statement:	The Lee CC - Lee Steam Station 100 kV transmission lines can overload under contingency.

In-Service Year:	2031
Project Name:	**MORNING STAR TIE 230 KV, 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 transformers.
Supporting Statement:	The addition of a second Newport Tie - Morning Star Tie 230 kV Transmission Line 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:	2032
Project Name:	**PEACOCK TIE - CLOVER TIE 44 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild part (0.5 miles) of the Clover Tie - 99 Island 44 kV transmission line as double circuit to establish a new tap off the Peacock Tie - Clover Tie 44 kV to serve the Carver St Retail Tap line from the Peacock Tie - Clover Tie 44 kV transmission line
Supporting Statement:	Voltages around Clover Tie can drop during contingencies. The Clover Tie - 99 Island 44 kV transmission line can overload during contingencies.

In-Service Year:	2033
Project Name:	**NEWPORT TIE - MORNING STAR TIE 230 KV TRANSMISSION LINE**
Description:	Add a second circuit to the Newport Tie - Morning Star Tie 230 kV transmission line by relocating the existing 100 kV circuit on the structures to a new 100 kV corridor and adding additional 954 ACSR conductors to complete the new circuit.
Supporting Statement:	Existing Newport Tie - Morning Star Tie 230 kV transmission line can overload under contingencies.

In-Service Year:	2035
Project Name:	**ASHE ST SWITCHING STATION - PARKWOOD TIE 100 KV TRANSMISSION LINE, RECONDUCTOR**
Description:	Reconductor 2.6 miles (Research Triangle Retail - Ellis Rd Retail) of the Ashe St Switching Station - Parkwood Tie 100 kV transmission line with 795 ACSS/TW at 200°C. Project listed as conceptual in the local transmission plan. Need date may shift in futu
Supporting Statement:	The Ashe St Switching Station - Parkwood Tie 100 kV transmission lines can overload under contingency.

In-Service Year:	2035
Project Name:	**CLIFFSIDE STEAM - SHELBY TIE 100 KV TRANSMISSION LINES, REBUILD**
Description:	Rebuild 5.4 miles (Shelby Tie - Customer Tap Station) of the Cliffside Steam - Shelby Tie 100 kV transmission lines with 1272 ACSR at 120°C. Project listed as conceptual in the local transmission plan. Need date may shift in future.
Supporting Statement:	The Cliffside Steam - Shelby Tie 100 kV transmission lines can overload under contingencies.

In-Service Year:	2035
Project Name:	**DAN RIVER CC - DAN RIVER STEAM 100 KV TRANSMISSION LINES, REBUILD**
Description:	Rebuild the entire Dan River CC - Dan River Steam 100 kV transmission lines (0.5 miles) with bundled 1158 ACSS/TW at 200°C. Project listed as conceptual in the local transmission plan. Need date may shift in future.
Supporting Statement:	The Dan River CC - Dan River Steam 100 kV transmission lines can overload under contingency.

In-Service Year:	2035
Project Name:	**DAN RIVER STEAM - NORTH GREENSBORO TIE 100 KV TRANSMISSION LINES, REBUILD**
Description:	Rebuild the entire Dan River Steam - North Greensboro 100 kV transmission lines (25.9 miles) with 1272 ACSR at 120°C. Project listed as conceptual in the local transmission plan. Need date may shift in future.
Supporting Statement:	The Dan River Steam - North Greensboro Tie 100 kV transmission lines can overload under contingency.

In-Service Year:	2035
Project Name:	**DAN RIVER STEAM - SADLER TIE 100 KV TRANSMISSION LINES, REBUILD**
Description:	Rebuild the entire Dan River Steam - Sadler Tie 100 kV transmission lines (8.1 miles of Reidsville Circuits and 8.2 miles of Wolf Creek Circuits) with 1272 ACSR at 120°C. Project listed as conceptual in the local transmission plan. Need date may shift in
Supporting Statement:	The Dan River Steam - Sadler Tie 100 kV transmission lines can overload under contingency.

In-Service Year:	2035
Project Name:	**DURHAM MAIN - ASHE ST SWITCHING STATION 100 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the entire circuit of the Durham Main - Ashe St Switching Station 100 kV transmission line with 1272 ACSR at 120°C. Due to line configurations in the area parts of Durham Main - East Durham Tie and the East Durham Tie - Ashe St Witching Station 10
Supporting Statement:	The Durham Main - Ashe St Switching Station 100 kV transmission line can overload under contingencies.

In-Service Year:	2035
Project Name:	**EAST DURHAM TIE 100 KV, EXPANSION**
Description:	Expand East Durham Tie and establish two new 100 kV terminals for the future East Durham - Parkwood Tie 100 kV transmission line. Reterminate the Stallings Rd Retail Tap off the East Durham Tie - Ashe St Switching Station 100 kV transmission line into Eas
Supporting Statement:	The East Durham Tie - Ashe St Switching Station 100 kV transmission line can overload during contingency.

In-Service Year:	2035
Project Name:	**HARRISBURG TIE - AMITY SWITCHING STATION 100 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild 6.45 miles (Harrisburg Tie to Structure 52.0) of the Harrisburg Tie - Amity Switching Station 100 kV transmission line with 1272 ACSR at 120°C. Project listed as conceptual in the local transmission plan. Need date may shift in future.
Supporting Statement:	The Harrisburg Tie - Amity Switching Station 100 kV transmission lines can overload under contingency.

In-Service Year:	2035
Project Name:	**HARRISBURG TIE - CONCORD MAIN 100 KV TRANSMISSION LINES, REBUILD**
Description:	Rebuild 5.6 miles (Concord Main to Customer) of the Harrisburg Tie - Concord Main 100 kV double circuit transmission line with 1272 ACSR at 120°C. Project listed as conceptual in the local transmission plan. Need date may shift in future.
Supporting Statement:	The Harrisburg Tie - Concord Main 100 kV transmission lines can overload under contingency.

In-Service Year:	2035
Project Name:	**HARRISBURG TIE - MINE SHAFT RETAIL 100 KV TRANSMISSION LINE, CONVERSION**
Description:	Convert the existing Harrisburg Tie - Univ of N C Charlotte 44 kV transmission line to 100 kV to establish a second 100 kV circuit of the Harrisburg Tie - Mine Shaft Retail 100 kV transmission line. Project listed as conceptual in the local transmission p
Supporting Statement:	The Harrisburg Tie - Concord Main 100 kV transmission lines can overload under contingency.

In-Service Year:	2035
Project Name:	**LAKEWOOD TIE - WOODLAWN TIE 100 KV TRANSMISSION LINES, REBUILD**
Description:	Rebuild 2 miles (Lakewood Tie - Remount Rd Retail) of the Lakewood Tie - Woodlawn Tie 100 kV transmission lines with 795 ACSS/TW at 200°C. Project listed as conceptual in the local transmission plan. Need date may shift in future.
Supporting Statement:	The Lakewood Tie - Woodlawn Tie 100 kV transmission lines can overload under contingency.

In-Service Year:	2035
Project Name:	**LAWSONS FORK TIE - WEST SPARTANBURG TIE 100 KV TRANSMISSION LINES, INSTALL**
Description:	Install a remedial action scheme on the Lawsons Fork Tie - West Spartanburg Tie 100 kV transmission lines. Project listed as conceptual in the local transmission plan. Need date may shift in future.
Supporting Statement:	The Lawsons Fork Tie - West Spartanburg Tie 100 kV transmission lines can overload under contingency

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In-Service Year:	2035
Project Name:	**LOOKOUT TIE - MARSHALL STEAM 44 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the Lookout Tie - Marshall Steam 44 kV transmission line as double circuit with 954 ACSR at 120°C. Establish a 100 kV circuit served out of Lookout Tie. Project listed as conceptual in the local transmission plan. Need date may shift in future.
Supporting Statement:	The Lookout Tie - Marshall Steam 44 kV transmission line can experience thermal and voltage issues under periods of extreme loading.

In-Service Year:	2035
Project Name:	**MADISON TIE 100/44 KV, INSTALL**
Description:	Add a second 100/44 kV autotransformer to Madison Tie. Project listed as conceptual in the local transmission plan. Need date may shift in future.
Supporting Statement:	The single 100/44 kV autotransformer at Madison Tie cannot support future load growth.

In-Service Year:	2035
Project Name:	**MARSHALL STEAM - BECKERDITE TIE 230 KV TRANSMISSION LINE, UPRATE**
Description:	Correct clearance issues on the Marshall Steam - Beckerdite Tie 230 kV transmission line to improve ratings of the existing 954 ACSR conductor to 120°C. Project listed as conceptual in the local transmission plan. Need date may shift in future.
Supporting Statement:	The Marshall Steam - Beckerdite Tie 230 kV transmission line ratings can limit the operational flexibility of Belews Steam Station. Improving line ratings will remove that limitation.

In-Service Year:	2035
Project Name:	**MARSHALL STEAM STATION - BOYD SWITCHING STATION 230 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the entire 15 miles of the Marshall Steam - Boyd Switching Station 230 kV transmission line with bundled 1272 ACSR conductor at 120°C. Project listed as conceptual in the local transmission plan. Need date may shift in future.
Supporting Statement:	The Marshall Steam - Boyd Switching Station 230 kV transmission lines can overload under contingency.

In-Service Year:	2035
Project Name:	**MCGUIRE NUCLEAR STATION - MARSHALL STEAM STATION 230 KV TRANSMISSION LINES, REBUILD**
Description:	Rebuild the entire McGuire Nuclear Station - Marshall Steam Station 230 kV transmission lines with 1533 ACSS/TW at 200°C. Project listed as conceptual in the local transmission plan. Need date may shift in future.
Supporting Statement:	The McGuire Nuclear Station - Marshall Steam Station 230 kV transmission lines can overload under contingency.

In-Service Year:	2035
Project Name:	**OAK HOLLOW SWITCHING STATION 100 KV, CONSTRUCT**
Description:	Construct a new switching station on the Beckerdite Tie - Greensboro Main 100 kV transmission linesProject listed as conceptual in the local transmission plan. Need date may shift in future.
Supporting Statement:	The Beckerdite Tie - Greensboro Main 100 kV transmission lines can overload under contingencies.

In-Service Year:	2035
Project Name:	**ORCHARD TIE - HICKORY TIE 100 KV TRANSMISSION LINES, REBUILD**
Description:	Rebuild 4.2 miles (Orchard Tie - Newton Tie Tap) of the Orchard Tie - Hickory Tie 100 kV transmission line with 1272 ACSR conductor at 120°C. Project listed as conceptual in the local transmission plan. Need date may shift in future.
Supporting Statement:	The Orchard Tie - Hickory Tie 100 kV transmission lines can overload under contingency.

In-Service Year:	2035
Project Name:	**PARKWOOD TIE - CUSTOMER STATION 100 KV TRANSMISSION LINE**
Description:	Extend the Parkwood Tie - Customer Station 100 kV (14.4 miles) and network with East Durham Tie 100 kV. Conductor for the extension will be 1272 ACSR conductor at 120°C. Project listed as conceptual in the local transmission plan. Need date may shift in f
Supporting Statement:	To help address thermal loading issues throughout the region around Parkwood Tie, the Parkwood Tie - Customer Station 100 kV will be extended and networked with East Durham Tie 100 kV.

In-Service Year:	2035
Project Name:	**PLEASANT GARDEN TIE - MEBANE TIE 100 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild 1.73 miles (Mebane Tie - Trollingwood Retail) of the Pleasant Garden - Mebane Tie 100 kV transmission line with 1272 ACSR at 120°C. Project listed as conceptual in the local transmission plan. Need date may shift in future.
Supporting Statement:	The Pleasant Garden Tie - Mebane Tie 100 kV transmission lines can overload under contingency.

In-Service Year:	2035
Project Name:	**RURAL HALL TIE- SHATTALON SWITCHING STATION 100 KV TRANSMISSION LINES, REBUILD**
Description:	Rebuild both of the Rural Hall Tie - Shattalon Switching Station 100 kV transmission lines with 795 ACSS/TW at 200°C. Project listed as conceptual in the local transmission plan. Need date may shift in future.
Supporting Statement:	Both of the Rural Hall Tie - Shattalon Switching Station 100 kV transmission lines can overload under contingencies.

In-Service Year:	2035
Project Name:	**STAMEY TIE - LOOKOUT TIE 100 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild 5.5 miles (Lookout Tie - Customer Delivery) of the Stamey Tie - Lookout Tie 100 kV transmission line with bundled 1272 ACSR at 120°C. Project listed as conceptual in the local transmission plan. Need date may shift in future.
Supporting Statement:	The Stamey Tie - Lookout Tie 100 kV transmission lines can overload under contingency.

In-Service Year:	2035
Project Name:	**STAMEY TIE - STATESVILLE TIE 100 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the entire 6 miles of the Stamey Tie - Statesville Tie 100 kV transmission line with 1272 ACSR conductor at 120°C. Project listed as conceptual in the local transmission plan. Need date may shift in future.
Supporting Statement:	The Stamey Tie - Statesville Tie 100 kV transmission lines can overload under contingency.

In-Service Year:	2035
Project Name:	**STONEWATER TIE - WESTFORK SWITCHING STATION 100 KV TRANSMISSION LINES, REBUILD**
Description:	Rebuild 3 miles (Wildcat Tie - Westfork Switching Station) of the Stonewater Tie - Westford Switching Station 100 kV transmission line with 1272 ACSR at 120°C. Project listed as conceptual in the local transmission plan. Need date may shift in future.
Supporting Statement:	The Stonewater Tie - Westfork Switching Station 100 kV transmission line can overload under contingency.

In-Service Year:	2035
Project Name:	**TIGER TIE - CAMPOBELLO TIE 100 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the entire 11.8 miles of the Tiger Tie - Campobello Tie 100 kV transmission line with 1272 ACSR conductor at 120°C. Project listed as conceptual in the local transmission plan. Need date may shift in future.
Supporting Statement:	The Tiger Tie - Campobello Tie 100 kV transmission lines can overload under contingency.

In-Service Year:	2035
Project Name:	**TIGER TIE AUTOTRANSFORMER, REPLACE**
Description:	Replace existing autotransformer 5 with new larger autotransformer. Project listed as conceptual in the local transmission plan. Need date may shift in future.
Supporting Statement:	Tiger Tie autotransformer 5 can overload under contingency.

In-Service Year:	2035
Project Name:	**WINECOFF TIE - CONCORD MAIN 100 KV TRANSMISSION LINE, RECONDUCTOR**
Description:	Reconductor the entire Winecoff Tie - Concord Main 100 kV transmission line (3.5 miles) with bundled 336 ACSR at 120°C. Project listed as conceptual in the local transmission plan. Need date may shift in future.
Supporting Statement:	The Winecoff Tie - Concord Main 100 kV transmission lines can overload under contingency.

In-Service Year:	2035
Project Name:	**WINECOFF TIE - CONLEY SWITCHING STATION 100 KV TRANSMISSION LINES, REBUILD**
Description:	Rebuild 7.9 miles (Winecoff - Eastfield Retail) of the Winecoff Tie - Conley Switching Station 100 kV transmission lines with 1272 ACSR at 120°C. Project listed as conceptual in the local transmission plan. Need date may shift in future.
Supporting Statement:	The Winecoff Tie - Conley Switching Station 100 kV transmission lines can overload under contingency.

In-Service Year:	2026
Project Name:	**CAMDEN JUNCTION - DPC WATEREE 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the Camden Junction - DPC Wateree 115 kV transmission line using 795 ACSS/TW conductor at 365°F or equivalent (~5.27 miles). ACSS/TW conductor used is considered a alternative transmission technology.
Supporting Statement:	Various solar studies have shown the need for this upgrade. This upgrade is needed for future solar generation proposed for compliance with the Carbon Plan goals.

In-Service Year:	2026
Project Name:	**CAPE FEAR PLANT - WEST END 230 KV TRANSMISSION LINE, REBUILD**
Description:	This project consists of rebuilding the 1272 ACSR portions of the Cape Fear - West End 230 kV transmission line using 6-1590 MCM ACSR 212°F conductor (~26.6 miles). Raise/Upgrade the 2515 ACSR sections to 212°F maximum operating temperature (~4.5 miles).
Supporting Statement:	Various generator interconnection studies have shown the need to upgrade this line. This upgrade is needed for future generation proposed for compliance with the Carbon Plan goals.

In-Service Year:	2026
Project Name:	**CASTLE HAYNE - FOLKSTONE 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild 25.91 miles of the Castle Hayne - Folkstone 115 kV transmission line with 1272 MCM ACSR conductor at 212°F.
Supporting Statement:	The Castle Hayne 230 kV Sub - Folkstone 115 kV transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**ERWIN - FAYETTEVILLE EAST 230 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild 23 miles of the Erwin - Fayetteville East 230 kV transmission line with 6-1590 MCM ACSR conductor at 212°F.
Supporting Statement:	Various solar studies have shown the need for this upgrade. This upgrade is needed for future solar generation proposed for compliance with the Carbon Plan goals.

In-Service Year:	2026
Project Name:	**FAYETTEVILLE - FAYETTEVILLE DUPONT 115 KV TRANSMISSION LINE, FAYETTEVILLE - HOPE MILLS CHURCH ST. SECTION, REBUILD**
Description:	Rebuild the Fayetteville - Hope Mills Church St section of the Fayetteville - Fayetteville Dupont 115 kV transmission line using 795 ACSS/TW conductor at 365°F or equivalent (~4.9 miles). ACSS/TW conductor used is considered an alternative transmission te
Supporting Statement:	Various solar studies have shown the need for this upgrade. This upgrade is needed for future solar generation proposed for compliance with the Carbon Plan goals.

In-Service Year:	2026
Project Name:	**GREENVILLE - DVP EVERETTS 230 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the DEP portion of the Greenville - DVP Everetts 230 kV transmission line (1.93 miles) with 6-795 MCM ACSS/TW/HS 365°F conductor. Affected System project. ACSS/TW conductor used is considered a alternative transmission
Supporting Statement:	Greenville - DVP Everetts 230 kV overloads under contingency.

In-Service Year:	2026
Project Name:	**HILL CREST (CARTHAGE AREA) 230 KV SUBSTATION, CAPE FEAR-WEST END 230 KV AND WEST END - SOUTHERN PINES 115 KV FEEDERS, CONSTRUCT AND LOOP-IN**
Description:	Construct a new Hill Crest 230/115 kV substation near the existing Carthage 115 kV substation. Loop in the existing Cape Fear - West End 230 kV transmission line and West End - Southern Pines 115 kV feeder. The new Carthage 230 - West End 115 kV transmiss
Supporting Statement:	Various contingencies cause overloads and low voltages in the area.

In-Service Year:	2026
Project Name:	**MILBURNIE 230 KV SUBSTATION, UPGRADE**
Description:	This project consists of adding redundant bus protection at Milburnie 230 kV substation.
Supporting Statement:	Various solar studies have shown the need for this upgrade. This upgrade is needed for future solar generation proposed for compliance with the Carbon Plan goals.

In-Service Year:	2026
Project Name:	**ROBINSON - ROCKINGHAM 230 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild sections of the Robinson - Rockingham 230 kV transmission line using 6-1590 MCM ACSR conductor at 212°F (~19 miles).
Supporting Statement:	Various solar studies have shown the need for this upgrade. This upgrade is needed for future solar generation proposed for compliance with the Carbon Plan goals.

In-Service Year:	2026
Project Name:	**SUMTER - DESC EASTOVER 115 KV TRANSMISSION LINE (KINGS HWY - SHAW FIELD - EASTOVER), REBUILD**
Description:	Rebuild Sumter Kings Hwy - Shaw Field Tap and Shaw Field Tap - DESC Eastover sections of Sumter - Eastover 115 kV transmission line to 1272 ACSR conductor at 212°F (7.49 miles) and raise 2.16 miles of the Sumter Gold Kist Tap - Sumter Kings Hwy section to
Supporting Statement:	Various contingencies cause the Shaw Field Tap - Eastover section of the Sumter - Eastover 115 kV transmission line to overload.

In-Service Year:	2027
Project Name:	**CLAYTON INDUSTRIAL - SELMA 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild 9.4 miles of entire Clayton Industrial - Selma 115 kV transmission line to 795 ACSS/TW at 365°F. ACSS/TW conductor used is considered a alternative transmission technology.
Supporting Statement:	Various generator interconnection studies have shown the need to upgrade this line. This upgrade is needed to enable generation consistent with the approved IRP.

In-Service Year:	2027
Project Name:	**HOLLY RIDGE NORTH 115 KV SWITCHING STATION, CONSTRUCT**
Description:	Construct a new 115 kV switching station northeast of Holly Ridge, NC where the Castle Hayne - Folkstone 115 kV and Folkstone - Jacksonville City 115 kV transmission lines come together. Construct a new 115 kV feeder from the new switching station to JOEM
Supporting Statement:	Multiple contingencies result in low voltages on the Castle Hayne - Folkstone 115 kV transmission line.

In-Service Year:	2027
Project Name:	**ROBINSON PLANT - ROCKINGHAM 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the Sneedsboro Solar - Cordova - Rockingham portions of the Robinson - Rockingham 115 kV transmission line using 795 ACSS/TW conductor at 365°F or equivalent (~17 miles). ACSS/TW conductor used is considered a alternative transmission technology.
Supporting Statement:	Various solar studies have shown the need for this upgrade. This upgrade is needed for future solar generation proposed for compliance with the Carbon Plan goals.

In-Service Year:	2027
Project Name:	**SUMTER - DESC EASTOVER 115 KV TRANSMISSION LINE (SUMTER GOLD KIST TAP - SUMTER KINGS HWY SECTION), REBUILD**
Description:	Rebuild the 5.82 mile 397.5 ACSR portion (Sumter Gold Kist Tap - Sumter Kings Hwy section) of the Sumter - DESC Eastover 115 kV transmission line with 3-1272 MCM 45/7 ACSR 212°F conductor.
Supporting Statement:	Multiple contingencies cause the Sumter Gold Kist Tap - Sumter Kings Hwy section of Sumter - Eastover 115 kV transmission line to overload.

In-Service Year:	2027
Project Name:	**WEATHERSPOON - LOF 115 KV TRANSMISSION LINE (MAXTON - PEMBROKE), REBUILD**
Description:	Rebuild 9 miles (near Pembroke to near Maxton) with 3-795 MCM ACSS/TW 365°F. Install two new switches. ACSS/TW conductor used is considered a alternative transmission technology.
Supporting Statement:	The Maxton - Pembroke section of the Weatherspoon-LOF 115 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**ASHEBORO - SILER CITY 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild 16.47 mi of the Asheboro - Siler City 115 kV transmission line from Asheboro 230 kV substation to Siler City 115 kV substation.
Supporting Statement:	This upgrade is needed for the addition of new economic development load.

In-Service Year:	2028
Project Name:	**BRUNSWICK 1 - DELCO 230 KV EAST LINE (BRUNSWICK 1 - SOUTHPORT TAP), UPGRADE SWITCH; REBUILD BRUNSWICK 1-SOUTHPORT TAP SECTION**
Description:	Rebuild the Brunswick 1 - Southport Tap section (0.09 miles) of Brunswick 1 - Delco 230 kV East transmission line with 6-1590 MCM ACSR 212°F conductor.
Supporting Statement:	Various contingencies cause the Brunswick 1 - Southport Tap section of Brunswick 1 - Delco 230 kV East line to overload.

In-Service Year:	2028
Project Name:	**DURHAM - RTP 230 KV TRANSMISSION LINE (DURHAM - BRIER CREEK), REBUILD**
Description:	Rebuild approximately 4.6 miles (Durham - Brier Creek) of the Durham - RTP 230 kV transmission line with 6-1590 MCM ACSR 212°F conductor.
Supporting Statement:	This upgrade is needed to serve a new industrial customer load.

In-Service Year:	2028
Project Name:	**GOLDSBORO 115 KV SWITCHING STATION, UPGRADE**
Description:	Increase CT ratio and relay settings at the Goldsboro end of the Goldsboro - Wommack 115 kV transmission line to allow use of the full line conductor rating.
Supporting Statement:	The Goldsboro - Wommack 115 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**LILESVILLE - OAKBORO 230 KV BLACK AND WHITE LINES, REBUILD**
Description:	Rebuild the entire DEP portion of Lilesville - Oakboro 230 kV Black and White lines to 6-1272 ACSR 212°F conductor.
Supporting Statement:	Various generator interconnection studies have shown the need to upgrade this line. This upgrade is needed to enable generation consistent with the approved IRP.

In-Service Year:	2029
Project Name:	**BRUNSWICK 2 - DELCO 230 KV WEST LINE (BRUNSWICK 2 - BEMC SOUTHPORT), RAISE**
Description:	Raise Brunswick 2 - BEMC Southport section of the Brunswick 2 - Delco 230 kV West transmission line to full 212°F conductor rating.
Supporting Statement:	Various contingencies cause the cause the Brunswick 2 - BEMC Southport section of Brunswick 2 - Delco 230 kV West transmission line to overload.

In-Service Year:	2030
Project Name:	**ROCKY MOUNT - WILSON 115 KV TRANSMISSION LINE, UPGRADE**
Description:	Upgrade equipment at both ends of the Rocky Mt - Wilson 115 kV transmission line.
Supporting Statement:	Various contingencies cause the Wilson - Elm City Solar Tap section of the Rocky - Mount Wilson 115 kV transmission line to overload.

In-Service Year:	2031
Project Name:	**LEE - MILBURNIE 230 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the entire Lee - Milburnie 230 kV transmission line with 954 MCM HS285 ACSS/TW conductor (40.19 miles) and upgrade terminal equipment. ACSS/TW conductor used is considered a alternative transmission technology.
Supporting Statement:	Various generator interconnection studies have shown the need to upgrade this line. This upgrade is needed to enable generation consistent with the approved IRP.

In-Service Year:	2032
Project Name:	**FALLS - FRANKLINTON (FRANKLINTON - FRANKLINTON NOVO 115 KV FEEDER), CONSTRUCT**
Description:	Construct new line from Franklinton - Franklinton Novo 115 kV feeder. Project listed as conceptual in the local transmission plan. Need date may shift in future.
Supporting Statement:	Multiple contingencies cause low voltages at buses on the Franklinton - Spring Hope SS 115 kV transmission line.

In-Service Year:	2026
Project Name:	**ASHEVILLE PLANT - OTEEN 115 KV WEST TRANSMISSION LINE, ARDEN TAP, CONSTRUCT**
Description:	This project consists of constructing ~2 miles of 1272 MCM ACSR 212°F tap line from the Asheville Plant - Oteen 115 kV West transmission line to Arden 115 kV substation on the Asheville Plant - Oteen 115 kV East transmission line.
Supporting Statement:	Various contingencies cause low voltages in the area.

In-Service Year:	2026
Project Name:	**MIDDLETOWN - BUCKNER 345 KV TRANSMISSION LINE**
Description:	Replace the 345 kV breakers at Middletown and Buckner associated with the Middletown - Buckner 345 kV transmission line.
Supporting Statement:	The Middletown and Buckner 345 kV breakers overload under contingency.

In-Service Year:	2026
Project Name:	**PINEVILLE SW - ARTEMUS 161 KV TRANSMISSION LINE**
Description:	Replace a breaker and switches at Pineville Switching associated with the Pineville Sw - Artemus 161 kV transmission line.
Supporting Statement:	The Pineville Sw - Artemus 161 kV transmission line overloads under contingency.

In-Service Year:	2027
Project Name:	**ALCALDE - ELIHU 161 KV TRANSMISSION LINE**
Description:	Increase the maximum operating temperature of 2.94 miles of 556.5 ACSS to 335°F in the Alcalde - Elihu 161 kV transmission line.
Supporting Statement:	The Alcalde - Elihu 161 kV transmission line overloads under contingency.

In-Service Year:	2027
Project Name:	**CANE RUN SW - LAKE DREAMLAND 138 KV TRANSMISSION LINE 1**
Description:	Increase the maximum operating temperature of 2.04 miles of bundled 795 ACSR 138 kV conductor to 212°F from Cane Run Switching to the new Lake Dreamland 138 kV station. Replace all terminal equipment at Cane Run Switch associated with this line.
Supporting Statement:	The Cane Run - Lake Dreamland (3801) 138 kV transmission line overloads under contingency.

In-Service Year:	2027
Project Name:	**CANE RUN SW - LAKE DREAMLAND 138 KV TRANSMISSION LINE 2**
Description:	Increase the maximum operating temperature of 2.04 miles of bundled 795 ACSR 138 kV conductor to 212°F from Cane Run Switching to the new Lake Dreamland 138 kV station. Replace all terminal equipment at Cane Run Switching associated with this line.
Supporting Statement:	The Cane Run - Lake Dreamland (3808) 138 kV transmission line overloads under contingency.

In-Service Year:	2030
Project Name:	**CANE RUN 345/138 KV TRANSFORMER, REPLACE**
Description:	Replace all terminal equipment at Cane Run CT associated with the Cane Run 345/138 kV transformer.
Supporting Statement:	The Cane Run CT (NGCC) 345/138 kV transformer overloads under contingency.

In-Service Year:	2031
Project Name:	**CANE RUN 138 KV CAPACITOR**
Description:	Install a two step capacitor at Cane Run CT (NGCC) 138 kV.
Supporting Statement:	Low Voltage occurs in the Louisville area under contingencies.

In-Service Year:	2034
Project Name:	**GREEEN RIVER 161/138 KV TRANSFORMER, REPLACE**
Description:	Replace 138 kV bushing CT on the Green River T03 161/138 kV transformer to meet or exceed the transformer limit.
Supporting Statement:	The Green River T03 161/138 kV transformer overloads under contingency.

In-Service Year:	2028
Project Name:	**UNION SPRINGS 115 KV SWITCHING STATION, CONSTRUCT**
Description:	Construct a new 115 kV switching station to sectionalize an ~54 mile transmission path with 5 delivery points.
Supporting Statement:	Reduce exposure and improve the reliability to the existing area delivery points.

In-Service Year:	2027
Project Name:	**GASKIN - SOUTHPORT 115 KV TRANSMISSION LINE, CONSTRUCT**
Description:	Construct ~13.0 miles of new 115 kV transmission line from Gaskin Switching Station to Southport substation with 795 ACSR/AW at 100°C.
Supporting Statement:	Improve the reliability of Gulf Coast Electric's substations by providing a looped service feed.

In-Service Year:	2029
Project Name:	**BASSETT CREEK - TENSAW 230 KV TRANSMISSION LINE (LOWMAN 230 KV), LOOP-IN**
Description:	Loop in existing Bassett Creek - Tensaw 230 kV transmission line into Lowman 230 kV station as new tie lines between PS and SOCO. Requires the construction of ~7 miles of new 230 kV transmission line.
Supporting Statement:	Prevents thermal overloading under contingency after addition of new generation at Lowman.

In-Service Year:	2029
Project Name:	**ELISKA SW. - FREEMANVILLE SW. 115 KV TRANSMISSION LINE, CONSTRUCT**
Description:	Construct Eliska switching station on the Lowman - Belleville 115 kV transmission path and construct Freemanville switching station on the Atmore - Brewton 115 kV transmission path. Construct ~26 miles 115 kV transmission path between these two new statio
Supporting Statement:	Improve loading and voltage support in the area under contingency.

In-Service Year:	2026
Project Name:	**ADAMSVILLE - BUZZARD ROOST 230 KV TRANSMISSION LINE, REBUILD AND JUMPER UPGRADE**
Description:	Rebuild part of the Adamsville - Buzzard Roost 230 kV transmission line with 1351 ACSS Martin at 200°C. Replace limiting elements at substations along the line.
Supporting Statement:	The Adamsville - Buzzard Roost 230 kV transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**BARTLETTS FERRY 115 KV, JUMPER REPLACEMENT**
Description:	Replace the limiting jumpers with 1590 AAC 90°C°C jumpers.
Supporting Statement:	Jumpers exceed their thermal rating under contingency.

In-Service Year:	2026
Project Name:	**BLANKETS CREEK - WOODSTOCK 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the entire Blankets Creek - Woodstock 115 kV transmission line with 795 ACSS at 200°C.
Supporting Statement:	The Blankets Creek - Woodstock 115 kV transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**BRUNSWICK - MCMANUS 115 KV TRANSMISSION LINES, RE-TERMINATION**
Description:	Re-terminate either Brunswick - McManus 115 kV Black or White transmission line to bus 1.
Supporting Statement:	The Brunswick - GeorgiaPacific (Black) 115 kV transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**CC - CASS PINE 230/25 KV NEW SUBSTATION, CC IMPROVEMENTS**
Description:	Build a new 230/25 kV 8-element ring bus networked substation named Cass Pine that will interconnect between new Great Valley and Hill View 230 kV substations.
Supporting Statement:	The transmission network improvements are required to serve load growth in the area.

In-Service Year:	2026
Project Name:	**CC - EMBLEM RIVERSIDE CUSTOMER SUB**
Description:	A new customer substation is being built in Metro West along with a Fiber ICON ring to better protect the area.
Supporting Statement:	This is necessary to serve the customer and additional protection to the area.

In-Service Year:	2026
Project Name:	**CC - FAYETTEVILLE AREA TRANSMISSION IMPROVEMENTS - ASHLEY PARK 500/230 KV**
Description:	Construct new Ashley Park 500/230 kV station with two 500/230 kV auto transformers to serve load growth. Two new 230 kV transmission lines will be built from the new 500/230 kV station to the high side of customer substations.
Supporting Statement:	The new 500/230 kV substation and the new 230 kV transmission lines are needed to reliably serve load in the Fayetteville area.

In-Service Year:	2026
Project Name:	**CC - GARRETT ROAD 230 KV SWITCHING STATION (TRAE LANE) - CC UPGRADE**
Description:	Build the new Garrett Road 230 kV switching station splitting the Villa Rica - West Marietta 230 kV transmission line. Build a new 230 kV transmission line from the Trae Lane substation to the Garrett Road switching substation with bundled 1351 ACSR at 10
Supporting Statement:	The transmission network improvements are required to serve load growth in Douglas County.

In-Service Year:	2026
Project Name:	**CC - STONEWALL TELL ROAD (TA REALTY) (GPC OWNED), CONSTRUCT**
Description:	Build 230 kV transmission line segment to loop in the Stonewall Tell Road customer station into the East Point - Union City 230 kV White line.
Supporting Statement:	The project is required to serve load growth in the area.

In-Service Year:	2026
Project Name:	**DRESDEN 500 KV, LINE PROTECTIVE RELAYING REPLACEMENT**
Description:	Replace protective relaying equipment on the O'Hara - Wansley 500 kV transmission line.
Supporting Statement:	The O'Hara - Wansley 500 kV transmission line will be split by the new Dresden - Talbot Co 500 kV transmission line and the relay panels needs to be replaced to allow for the new Dresden substation.

In-Service Year:	2026
Project Name:	**DU: EAST DALTON - OOSTANAULA 115 KV, REBUILD**
Description:	DU: Rebuild the portion of East Dalton - Oostanaula and Dalton - East Dalton 115 kV double circuit lines between East Dalton substation and the Dalton substation frame with 795 ACSS at 200°C.
Supporting Statement:	The East Dalton - Oostanaula 115 kV transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**EAST POINT RELAY MODERNIZATION**
Description:	Upgrade protection scheme at the East Point station.
Supporting Statement:	The project addresses stability issues in the transmission network caused by multiple contingencies.

In-Service Year:	2026
Project Name:	**FENWICK STREET - SAND BAR FERRY 115 KV, RECONDUCTOR**
Description:	Reconductor ~2.72 miles of 115 kV transmission line sections of the Fenwick Street - Sand Bar Ferry 115 kV transmission line with 1351 ACSS conductor.
Supporting Statement:	The Fenwick Street - Sand Bar Ferry 115 kV transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**FULLER ROAD - COLUMBUS FIRST AVE 115 KV TRANSMISSION LINE, RECONDUCTOR**
Description:	Reconductor ~3 miles of 115 kV transmission line from Columbus First Ave to Phenix Lumber from 397 ACSR at 100°C to 397 ACSS 26/7 at 200°C.
Supporting Statement:	The Fuller Road - Columbus First Avenue 115 kV transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**GOAT ROCK - NORTH OPELIKA 230 KV TRANSMISSION LINE, UPGRADE**
Description:	Upgrade the ~17.2 mile section of 230 kV transmission line from North Opelika to Goat Rock to operate at 100°C.
Supporting Statement:	The Goat Rock - North Opelika 230 kV transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**GOAT ROCK 230 KV TRANSMISSION LINE, SWITCH, JUMPER, AND LINE TRAP REPLACEMENT**
Description:	Replace limiting elements on the Goat Rock - North Opelika 230 kV transmission line with higher ratings.
Supporting Statement:	The Goat Rock - North Opelika 230 kV transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**GORDON - N DUBLIN 115 KV (GORDON -ENGL MCI J), REBUILD**
Description:	Rebuild ~6 miles of the Gordon - North Dublin 115 kV transmission line with ACSS 795 at 200°C.
Supporting Statement:	The Gordon - North Dublin 115 kV transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**GRADY - MORROW (WHITE) 115 KV, REBUILD**
Description:	Rebuild 115 kV transmission line section with 1351 ACSS Martin at 200°C and replace other limiting elements.
Supporting Statement:	The Grady - Morrow (White) 115 kV transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**GRADY 230/115 KV, RELAY MODERNIZATION**
Description:	Upgrade protection scheme, install a breaker and associated switches at Grady substation.
Supporting Statement:	The project addresses stability issues in the transmission network caused by multiple contingencies. It also addresses thermal overload on the Grady - Morrow 115 kV White line under contingency.

In-Service Year:	2026
Project Name:	**GRADY-WEST END 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the entire 2.6 mile Grady - West End 115 kV transmission line with 1351 ACSS Martin at 200°C.
Supporting Statement:	The Grady - West End 115 kV transmission line exceeds its rating under contingency.

In-Service Year:	2026
Project Name:	**GRID - GAINESVILLE #2, EQUIPMENT REPLACEMENT**
Description:	GPC: Replace auto transformers at Gainesville #2 with new transformers.
Supporting Statement:	The auto transformers at Gainesville #2 overload under contingency.

In-Service Year:	2026
Project Name:	**GTC: CONYERS - CORNISH MOUNTAIN 115 KV TRANSMISSION LINE, UPGRADE**
Description:	Upgrade line temperature rating on the Conyers - Cornish Mountain 115 kV transmission line to 125°C.
Supporting Statement:	The Conyers - Cornish Mountain 115 kV transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**GTC: DRESDEN 500 KV BUS EXPANSION**
Description:	Expand the Dresden 500 kV bus to bring additional 500 kV transmission lines into the station.
Supporting Statement:	This project will resolve multiple thermal constraints by eliminating a contingency.

In-Service Year:	2026
Project Name:	**GTC: GORDON - SANDERSVILLE #1 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild ~1.87 miles of the Gordon - Sandersville #1 115 kV transmission line with ACSR 795 at 100°C.
Supporting Statement:	The Gordon - Sandersville #1 115 kV transmission line overloads for base case conditions.

In-Service Year:	2026
Project Name:	**GTC: LAGRANGE - NORTH OPELIKA 230 KV NEW TRANSMISSION LINE, CONSTRUCT**
Description:	Build a new 230 kV transmission line from Lagrange to North Opelika (APC) with ACSR 1351.5 Martin at 100°C.
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:	2026
Project Name:	**GTC: LIZARD LOPE - WESTOVER 115 KV NEW TRANSMISSION LINE, CONSTRUCT**
Description:	Construct two new 115 kV stations, Lizard Lope and Westover, and build a new 115 kV transmission line (~19.8 miles) from Lizard Lope to Gillionville Substation.
Supporting Statement:	The Dawson Primary - Palmyra 115 kV transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**GTC: MORNING HORNET 2ND 230/115 KV BANK AND THUMBS UP 115 KV TRANSMISSION LINE AND TRANSFORMER, CONSTRUCT**
Description:	Add a second 230/115 kV auto transformer at Morning Hornet substation. Also, build a new 115 kV transmission line (~2.4 miles) from Morning Hornet to Thumbs Up with 1351 ACSR at 100°C.
Supporting Statement:	The East Social Circle - Stanton Springs 115 kV and Morning Hornet - Thumbs Up 115 kV transmission lines overload under contingency.

In-Service Year:	2026
Project Name:	**GTC: ROBINS SPRING 115 KV BUS, REPLACEMENT**
Description:	Upgrade limiting element at the Robins Spring 115 kV substation.
Supporting Statement:	The Gordon - Sandersville #1 115 kV transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**GTC: ROBINS SPRING 115 KV CAPACITOR BANK, INSTALLATION**
Description:	Install a 2 - stage capacitor bank at the Robins Spring 115 kV substation.
Supporting Statement:	There are low voltage issues on several buses of the Gordon - Sandersville #1 115 kV transmission line under contingency.

In-Service Year:	2026
Project Name:	**HAMMOND - WEISS DAM 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild 11.2 miles of the Hammond - Weiss Dam 115 kV from Hammond to the APC border with 795 ACSS at 200°C.
Supporting Statement:	The Hammond - Weiss Dam 115 kV transmission line overloads under contingency

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In-Service Year:	2026
Project Name:	**JORDAN DAM - MARTIN DAM B 115 KV TRANSMISSION LINE RECONDUCTOR**
Description:	Reconductor ~21 miles of 115 kV transmission line between Jordan Dam and Martin Dam B from 397 ACSR at 100°C to 795 ACSS at 200°C.
Supporting Statement:	The Jordan Dam - Martin Dam 115 kV transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**KATHLEEN AREA IMPROVEMENTS**
Description:	Rebuild the Bonaire Primary - Kathleen 230 kV transmission line (~6 miles) with 1351 ACSS at 200°C. Upgrade limiting elements at substation along the Kathleen - Pitts 230 kV transmission line.
Supporting Statement:	The Bonaire Primary - Kathleen 230 kV transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**KLONDIKE 230 KV SUBSTATION, RELAY MODERNIZATION**
Description:	Upgrade protection scheme at the Klondike 230 kV station.
Supporting Statement:	The project addresses stability issues in the transmission network caused by multiple contingencies.

In-Service Year:	2026
Project Name:	**LAGRANGE - NORTH OPELIKA TS NEW 230 KV TRANSMISSION LINE, CONSTRUCT**
Description:	Construct ~16.5 miles 230 kV transmission line between North Opelika TS and new metering station, West Point SS with 1351 54/19 ACSR at 100°C.
Supporting Statement:	This project resolves multiple overloads and improves system reliability.

In-Service Year:	2026
Project Name:	**LINE CREEK - FAIRBURN #2 115 KV TRANSMISSION LINE, RESAG**
Description:	Resag a 3.2 mile section of the Line Creek - Fairburn 115 kV transmission line to operate at 100°C.
Supporting Statement:	The Line Creek - Fairburn #2 115 kV transmission line overloads in hot weather.

In-Service Year:	2026
Project Name:	**MEAG: DRESDEN - LAGRANGE PRIMARY 230 KV TRANSMISSION LINE, UPGRADE AND JUMPERS**
Description:	MEAG: Resag the Dresden - LaGrange Primary 230 kV transmission line to 125°C and upgrade limiting elements at substations along the line with 2 - 1590 AAC jumpers.
Supporting Statement:	The Dresden - Lagrange Primary 230 kV transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**MEAG: RAY PLACE RD - WASHINGTON (WASHNGTN - WASHNGTN 3) 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild ~1.2 miles of the Ray Place Rd - Washington 115 kV transmission line using 1351 ACSR at 100°C. Upgrade limiting element at substation along the line.
Supporting Statement:	Ray Place Rd - Washington 115 kV transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**MEAG: RAY PLACE RD - WASHINGTON 115 KV TRANSMISION LINE, REBUILD**
Description:	Rebuild ~17.4 miles of the Ray Place Rd - Washington 115 kV transmission line using 795 ACSR at 100°C conductor and upgrade limiting elements at substation along the line.
Supporting Statement:	Ray Place Rd - Washington 115 kV transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**MORROW - MOUNTAIN VIEW 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild a 1.7 mile segment of Morrow - Mountain View 115 kV transmission line with 1351 ACSS Martin at 200°C.
Supporting Statement:	The Morrow - Mountain View 115 kV transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**MORROW 115 KV SUBSTATION, RELAY UPGRADE**
Description:	Upgrade protection scheme at the Morrow 115 kV substation.
Supporting Statement:	A multiple contingency event at Morrow 115 kV causes stability issues in the transmission network.

In-Service Year:	2026
Project Name:	**OHARA 115 KV SUBSTATION, BREAKER REPLACEMENT**
Description:	Replace breaker on the Ohara - Tara 115 kV transmission line at the Ohara 115 kV substation.
Supporting Statement:	This project is needed to address insufficient breaker duty margin.

In-Service Year:	2026
Project Name:	**PALMYRA 115 KV SUBSTATION, REACTOR REMOVAL**
Description:	Remove reactor at the Palmyra 115 kV Substation.
Supporting Statement:	A permanent solution makes the reactor at Palmyra115 kV substation unnecessary.

In-Service Year:	2026
Project Name:	**SAV: BOULEVARD - DEPTFORD 115 KV TRANSMISSION LINE, RECONDUCTOR**
Description:	Reconductor the Boulevard - Deptford 115 kV transmission line (~8 miles) using 973.1 C7 ACCS (Everglades) conductor. Upgrade main bus and jumpers at Bolton substation from 1590 AAC Coreopsis at 90°C to (2) 1590 AAC Coreopsis 90°C or higher rated equipment
Supporting Statement:	The Boulevard - Deptford 115 kV transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**SAV: CC - BIG OGEECHEE 500/230 KV SUBSTATION, CC NETWORK IMPROVEMENTS**
Description:	Construct a new 500/230 kV substation near Little Ogeechee substation, loop in the nearby 500 kV and 230 kV transmission lines, and construct new 230 kV transmission lines to Little Ogeechee substation.
Supporting Statement:	Multiple 500/230 kV West McIntosh auto transformers exceed their ratings under contingency.

In-Service Year:	2026
Project Name:	**SAW MILL ROAD - VIDALIA 115 KV TRANSMISSION LINE, SWITCH REPLACEMENT**
Description:	Replace the limiting switch with a higher rating.
Supporting Statement:	Switch exceeds its thermal rating under contingency.

In-Service Year:	2026
Project Name:	**SCOTTDALE SUBSTATION, RELAY MODERNIZATION**
Description:	Upgrade protection scheme at the Scottdale substation.
Supporting Statement:	The project addresses stability issues in the transmission network caused by multiple contingencies.

In-Service Year:	2026
Project Name:	**UNION CITY - YATES 230 KV (WHITE) TRANSMISSION LINE, SWITCH AND TRAP REPLACEMENT**
Description:	Replace the limiting elements along the Union City - Yates 230 kV (White) transmission line.
Supporting Statement:	The Union City - Yates 230 kV (White) transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**UNION CITY - YATES 230 KV WHITE TRANSMISSION LINE, REBUILD**
Description:	Rebuild the entire Union City - Yates 230 kV White line with bundled 1351 ACSS Martin at 200°C.
Supporting Statement:	The Union City - Yates 230 kV White transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**UNION SPRINGS - PINCKARD 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild ~10.6 miles of the Pinckard - Ewell SS 115 kV transmission line from 397 ACSR at 49°C to 795 ACSS at 200°C. Reconductor ~50 miles of the Union Springs - Ewell 115 kV transmission line from 397 ACSR at 49°C to 795 ACSS at 200°C.
Supporting Statement:	The Union Springs - Pinckard 115 kV transmission line overloads under contingency.

In-Service Year:	2026
Project Name:	**WANSLEY 500 KV, PROTECTIVE RELAYING REPLACEMENT**
Description:	Replace protective relaying equipment on the O'Hara - Wansley 500 kV transmission line.
Supporting Statement:	The O'Hara - Wansley 500 kV transmission line will be split by the new Dresden - Talbot Co 500 kV transmission line and the relay panels need to be replaced to allow for the new Dresden substation.

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

In-Service Year:	2027
Project Name:	**ANNISTON - BYNUM 115 KV TRANSMISSION LINE, UPGRADE**
Description:	Upgrade 6.5 miles from Coldwater - Anniston 115 kV from 1351 ACSS 54/19 170°C to 200°C.
Supporting Statement:	The Anniston - Bynum 115 kV transmission line overloads under contingency.

In-Service Year:	2027
Project Name:	**ATHENA - EAST WATKINSVILLE 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild ~8.47 miles of the Athena - East Watkinsville 115 kV transmission line with ACSR 1033 conductor at 100°C.
Supporting Statement:	The Athena - East Watkinsville 115 kV transmission line overloads under contingency.

In-Service Year:	2027
Project Name:	**AUTAUGAVILLE - EAST PELHAM NEW 230 KV NEW TRANSMISSION LINE, CONSTRUCT**
Description:	Construct ~75 miles of new 230 kV transmission line bundled 795 ACSS at 200°C from Autaugaville TS to East Pelham TS.
Supporting Statement:	The Bessemer - South Bessemer 230 kV transmission line overloads under contingency. Reduces multiple 230 kV transmission line loadings and provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2027
Project Name:	**BESSEMER - SOUTH BESSEMER 115 KV TRANSMISSION LINE, RECONDUCTOR - PHASE 1**
Description:	Reconductor ~2 miles of 115 kV transmission line from South Bessemer TS to Bessemer TS from 397 ACSR at 100°C to 795 ACSS 26/7 at 200°C.
Supporting Statement:	The Bessemer - South Bessemer 115 kV transmission line overloads under contingency.

In-Service Year:	2027
Project Name:	**BROADWAY - ECHECONNEE 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the Echeconnee - Allen Rd line section of the Broadway - Echeconnee 115 kV transmission line with 1351 ACSS at 200°C. Replace the limiting jumper with 1590 AAC.
Supporting Statement:	The Broadway - Echeconnee 115 kV transmission line overloads under contingency.

In-Service Year:	2027
Project Name:	**CC - GULLATT ROAD 115 KV, TRANSMISSION IMPROVEMENTS**
Description:	Upstream transmission improvements to serve increasing load along existing transmission lines. Rebuild the Morrow - Yates Common 115 kV transmission line from Line Creek to the new Gullatt Road customer station. Rebuild the Line Creek - Fairburn #2 115 kV
Supporting Statement:	Addition of new customer overloads existing transmission lines.

In-Service Year:	2027
Project Name:	**CC - HILL VIEW AND GRASSY HOLLOW 230 KV SUBSTATION, CC IMPROVEMENTS**
Description:	Build two 230 kV switching stations (Hill View and Grassy Hollow) looping into the Cartersville - McGrau Ford 230 kV transmission line. Build two new 230 kV transmission lines: Cass Pine - Great Valley and Great Valley - Grassy Hollow with 1351 ACSS Marti
Supporting Statement:	The transmission network improvements are required to serve load growth in the area.

In-Service Year:	2027
Project Name:	**CC - MICROSOFT - SHUGART (CCO06) 230 KV**
Description:	Rebuild the Line Creek 230 kV as breaker and a half configuration. Connect existing 230 kV transmission lines into the new breaker and a half layout at Line Creek and loop in 230 kV transmission lines that fly overhead. Build two short 230 kV lines from L
Supporting Statement:	The transmission network improvements are required to serve load growth in Palmetto area.

In-Service Year:	2027
Project Name:	**CC - SUMMER LAKE - VILLA RICA 230 KV, REBUILD (CC IMPROVMNT)**
Description:	Rebuild a 2.5 mile portion of the Summer Lake - Villa Rica 230 kV transmission line with bundled 1351 ACSS Martin at 200°C.
Supporting Statement:	The Summer Lake - Villa Rica 230 kV transmission line overloads under a contingency.

In-Service Year:	2027
Project Name:	**CC - TA REALTY ELLENWOOD 115 KV NETWORK IMPROVEMENTS**
Description:	Rebuild the Austin Drive - Morrow 115 kV transmission line with 1351 ACSS Martin at 200°C and upgrade limiting elements at the Austin Drive substation.
Supporting Statement:	The Austin Drive - Morrow 115 kV transmission line overloads under contingency.

In-Service Year:	2027
Project Name:	**CC - TOMOCHICHI 500/230 KV SOLUTION, CC NETWORK IMPROVEMENTS**
Description:	Build the new Tomochichi 500/230 kV switching station splitting the Ohara - Scherer 500 kV transmission line. Build two new 230 kV transmission lines from the new Tomochichi substation to the new Towaliga River 230 kV substation.
Supporting Statement:	The transmission network improvements are required to serve load growth in the area.

In-Service Year:	2027
Project Name:	**CC RELATED: EAST POINT - UNION CITY 230 KV (BLACK AND WHITE) TRANSMISSION LINES, FIBER INSTALLATION**
Description:	Install Fiber on the East Point - Union City 230 kV (Black and White) transmission lines for customers going on this line.
Supporting Statement:	This is necessary for the protection of the system.

In-Service Year:	2027
Project Name:	**DOYLE - LG&E MONROE 230 KV TRANSMISSION LINE, JACKS CREEK LOOP IN**
Description:	Loop in and out the new Jack's Creek 230 kV switching station into the Doyle - LG&E Monroe 230 kV transmission line.
Supporting Statement:	Contingencies of 230 kV transmission lines in the area causes several 230 kV transmission lines to overload.

In-Service Year:	2027
Project Name:	**DU: LOOPERS FARM - SOUTH DALTON 230 KV TRANSMISSION LINE, JUMPER UPGRADE AND REBUILD**
Description:	Upgrade limiting element on the Loopers Farm - South Dalton 230 kV transmission line with a higher rating and rebuild the a 1.05 miles segment of the Loopers Farm to South Dalton Line with Bundled (2) 1351 ACSS Martin at 200°C.
Supporting Statement:	The Loopers Farm - South Dalton 230 kV transmission line overloads under contingency.

In-Service Year:	2027
Project Name:	**ENTERPRISE TS - PINCKARD #2 115 KV TRANSMISSION LINE, RECONDUCTOR**
Description:	Reconductor ~7.5 miles of the Enterprise - Daleville DS 115 kV transmission line from 266 ACSR at 100°C to 795 ACSR 26/7 at 100° C.
Supporting Statement:	The Enterprise - Pinckard #2 115 kV transmission line overloads under contingency.

In-Service Year:	2027
Project Name:	**GRID: ARKWRIGHT - LLOYD SHOALS 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the Arkwright - Lloyd Shoals 115 kV transmission line with 795 ACSR conductor at 100°C.
Supporting Statement:	The Arkwright - Lloyd Shoals 115 kV transmission line overloads under contingency.

In-Service Year:	2027
Project Name:	**GTC: ADAMSVILLE - BUZZARD ROOST 230 KV TANSMISSION LINE, REBUILD**
Description:	Rebuild ~5 miles of the Adamsville - Buzzard Roost 230 kV transmission line with 1351 ACSS Martin at 200°C.
Supporting Statement:	The Adamsville - Buzzard Roost 230 kV transmission line overloads under a contingency.

In-Service Year:	2027
Project Name:	**GTC: DOUGLASVILLE - VILLA RICA 230 KV TRANSMISSION LINE, REBUILD (CC NET IMPRVT)**
Description:	Rebuild a 2.5 mile section of the Villa Rica - Douglasville 230 kV transmission line with bundled 1351 ACSS Martin conductor at 200°C.
Supporting Statement:	The Villa Rica - Douglasville 230 kV transmission line overloads under a contingency.

In-Service Year:	2027
Project Name:	**GTC: DOYLE - WINDER PRIMARY 230 KV TRANSMISSION LINE, JUMPER REPLACEMENT**
Description:	Replace the limiting AAC 1033 jumper with AAC 1590 at Doyle on the Doyle - Winder Primary 230 kV transmission line.
Supporting Statement:	The Doyle - Winder Primary 230 kV transmission line overloads under contingency.

In-Service Year:	2027
Project Name:	**GTC: EAST MOULTRIE - HIGHWAY 112 230 KV TRANSMISSION LINE, CONSTRUCT**
Description:	Build ~27 miles of new 230 kV transmission line between HWY 112 and East Moultrie substations with 1351 ACSR at 100°C.
Supporting Statement:	This project addresses thermal overloads on the Daisy - West Valdosta 230 kV transmission line and Mitchell - Raccoon Creek 230 kV transmission line under contingency.

In-Service Year:	2027
Project Name:	**GTC: EAST WALTON 500/230 KV PROJECT**
Description:	GTC: - Construct the East Walton 500/230 kV substation. - Construct the Bostwick 230 kV switching station. - Construct the East Walton - Rockville 500 kV transmission line. - Construct the Bethabara - East Walton 230 kV transmission line. - Construct
Supporting Statement:	Contingencies of 230 kV transmission lines in Central area causes several 230 kV transmission lines to overload. The project also addresses increasing loads in Northeast Georgia and the increase of South to North flow from Central region into the Northea

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In-Service Year:	2027
Project Name:	**GTC: EATONTON PRIMARY - LICK CREEK 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild ~7.5 miles of the Eatonton Primary - Lick Creek 115 kV transmission line section with 795 ACSR conductor at 100°C.
Supporting Statement:	The Eatonton Primary - Lick Creek 115 kV transmission line conductor and structures are at the end of life and had recent maintenance issues.

In-Service Year:	2027
Project Name:	**GTC: GARRETT RD - V. RICA 230 KV TRANSMISSION LINE, RECONDUCTOR (CC NET IM)**
Description:	Reconductor and rebuild ~14 miles of the Garrett Road - Villa Rica 230 kV transmission line.
Supporting Statement:	The Garrett Road - Villa Rica 230 kV transmission line overloads under contingency.

In-Service Year:	2027
Project Name:	**GTC: HICKORY LEVEL - VILLA RICA 230 KV TRANSMISSION LINE, RECONDUCTOR**
Description:	Reconductor 8.6 mile Hickory Level - Villa Rica 230 kV transmission line with 1351 ACSS Martin at 160°C.
Supporting Statement:	The Hickory Level - Villa Rica 230 kV transmission line overloads under contingency.

In-Service Year:	2027
Project Name:	**GTC: JACKSON 115 KV SUBSTATION, BUS AND JUMPER UPGRADES**
Description:	Upgrade limiting elements at Jackson 115 kV substation to be a higher rating.
Supporting Statement:	Limiting elements exceed their thermal rating under a contingency.

In-Service Year:	2027
Project Name:	**GTC: RIDDLEVILLE 115 KV SUBSTATION, BUS REPLACEMENT**
Description:	Replace the main 115 kV bus at the substation with higher rating.
Supporting Statement:	The Sandersville #1 - Wadley 115 kV transmission line overloads under contingency.

In-Service Year:	2027
Project Name:	**GTC: SKC 115 KV SUBSTATION, BUS AND JUMPER REPLACEMENT**
Description:	Upgrade limiting elements at the SKC 115 kV substation to a higher rating.
Supporting Statement:	The Covington #2 - SKC 115 kV transmission line exceeds its thermal rating under contingency.

In-Service Year:	2027
Project Name:	**GTC: SOUTH COWETA 115 KV REACTOR, INSTALL**
Description:	Add a reactor at the South Coweta 115 kV substation.
Supporting Statement:	The South Coweta - Brooks 115 kV transmission line overloads under contingency.

In-Service Year:	2027
Project Name:	**GTC: SOUTH HAZLEHURST - NEW LACY 230 KV TRANSMISSION LINE, CONSTRUCT**
Description:	Build a new 230 kV transmission line (~25 miles) between South Hazlehurst and New Lacy with ACSR 1351 Martin at 100°C.
Supporting Statement:	This project addresses multiple thermal overloads under contingency.

In-Service Year:	2027
Project Name:	**GTC: SWITCH WAY - THORNTON ROAD 230 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the Switch Way - Thornton Road 230 kV transmission line with minimum rating of 1033 ACSS at 160°C .
Supporting Statement:	The Switch Way - Thornton Road 230 kV transmission line overloads under contingency.

In-Service Year:	2027
Project Name:	**JESUP - OFFERMAN 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild ~20 miles of the Jesup - Offerman 115 kV transmission line with 795 ACSR Drake conductor at 100°C.
Supporting Statement:	The Jesup - Offerman 115 kV transmission line overloads under contingency.

In-Service Year:	2027
Project Name:	**LAWRENCEVILLE - WINDER 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild ~1.2 miles of the Lawrenceville - Winder 115 kV transmission line with 795 ACSS conductor at 200°C.
Supporting Statement:	The Lawrenceville - Winder Primary 115 kV transmission line overloads under contingency.

In-Service Year:	2027
Project Name:	**LAWRENCEVILLE - WINDER PRIMARY 230 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the entire Lawrenceville - Winder Primary 230 kV transmission line with 1351 ACSS Martin conductor.
Supporting Statement:	The Lawrenceville - Winder Primary 230 kV transmission line will overload under certain contingencies.

In-Service Year:	2027
Project Name:	**LLOYD SHOALS 115 KV SUBSTATION, BUS AND JUMPER UPGRADES**
Description:	Upgrade limiting elements at Lloyd Shoals 115 kV substation to be a higher rating.
Supporting Statement:	Limiting elements overload under contingency.

In-Service Year:	2027
Project Name:	**MEAG: FORTSON SUBSTATION MODERNIZATION**
Description:	Complete modernization and replacement of obsolete equipment and relays for the 500 kV, 230 kV, and 115 kV yards. Add a redundant relay scheme at Fortson.
Supporting Statement:	Several 115 kV transmission lines overloads under contingency. Substation modernization needed due to obsolete equipment and relays.

In-Service Year:	2027
Project Name:	**MEAG: RAY PLACE RD - WARRENTON PRIMARY 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild ~10 miles of the Ray Place - Warrenton Primary 115 kV transmission line with 2 - 1351 ACSR conductor at 100°C. Upgrade limiting element at substation along the line.
Supporting Statement:	Ray Place Rd - Warrenton 115 kV transmission line exceeds it's thermal rating for various contingencies.

In-Service Year:	2027
Project Name:	**MORROW - YATES COMMON 115 KV TRANSMISSION LINE, UPGRADE**
Description:	Rebuild a 5.1 mile section of the Morrow - Yates Common 115 kV transmission line with 1351 ACSS Martin at 200°C.
Supporting Statement:	Line sections on the Morrow - Yates 115 kV transmission line overload under contingency.

In-Service Year:	2027
Project Name:	**POSSUM BRANCH - YATES COMMON 115 KV TRANSMISSION LINE (YATES TO CLEM), REBUILD**
Description:	Rebuild ~11 mile section of the Possum Branch - Yates 115 kV transmission line with 1334 T13 ACCR Martin at 200°C or 1351.0 ACSS at 200°C and replace limiting elements along the line with a higher rating.
Supporting Statement:	The Possum Branch - Yates 115 kV transmission line overloads under contingency.

In-Service Year:	2027
Project Name:	**SANDERSVILLE #1 - WADLEY PRI. 115 KV TRANSMISSION LINE, REBUILD/RECONDUCTOR**
Description:	Rebuild ~24.3 miles of the Sandersville #1 - Wadley Primary 115 kV transmission line with 1351 ACSR Drake conductor at 100°C. Replace limiting elements in substations along the line.
Supporting Statement:	The Sandersville # 1 - Wadley Primary 115 kV transmission line overloads under contingency.

In-Service Year:	2027
Project Name:	**SAV: GOSHEN (SAV) - KRAFT 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild a portion of Goshen - Kraft 115 kV transmission line from 795 ACSR at 100°C Drake to 1351 ACSS Martin at 200°C.
Supporting Statement:	The Goshen - Kraft 115 kV transmission line overloads under contingency.

In-Service Year:	2027
Project Name:	**SAV: GOSHEN (SAV) - MCINTOSH 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the Goshen (Savannah) - Georgia Pacific (Rincon) section (~6.7 miles) of the Goshen (Sav) - McIntosh 115 kV transmission line using 1351 ACSS at 200°C.
Supporting Statement:	The Goshen (Sav) - McIntosh 115 kV transmission line overloads under contingency.

In-Service Year:	2027
Project Name:	**THURLOW DAM - UNION SPRINGS 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild ~31.5 miles of 115 kV transmission line from Thurlow Dam to Union Springs from 397 ACSR at 75°C to 795 ACSS at 200°C.
Supporting Statement:	The Thurlow Dam - Union Springs 115 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**ACIPCO TS - BOYLES 230 KV NEW TRANSMISSION LINE, CONSTRUCT**
Description:	Construct ~6 miles of new 230 kV transmission line with 1351 54/19 ACSR at 100°C from ACIPCO TS 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:	**ADVANCED POWER FLOW CONTROLLERS AT EAST VILLA RICA SWITCHING STATION, INSTALL**
Description:	Install advanced power flow controllers at the new East Villa Rica switching station on the Douglasville - Villa Rica 230 kV and Summer Lake - Villa Rica 230 kV transmission lines.
Supporting Statement:	The project addresses multiple thermal overloads that occur under contingency.

In-Service Year:	2028
Project Name:	**BARRY - ELLICOTT 230 KV SERIES REACTORS, INSTALL**
Description:	Install new series reactors on the Barry - Ellicott 230 kV transmission line to address short circuit constraints and also create short circuit margin.
Supporting Statement:	The project addresses short circuit constraints.

In-Service Year:	2028
Project Name:	**BARTLETTS FERRY - BACKWATER TAP 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the Bartlett's Ferry - Backwater Tap section of the Bartletts Ferry - West Point (APC) 115 kV transmission line with 1351 AAC conductor at 200°C. Replace switch with higher rated switch.
Supporting Statement:	A multiple contingency event causes the Bartletts Ferry - West Point (APC) 115 kV transmission line to overload.

In-Service Year:	2028
Project Name:	**BIG SHANTY 500/230 KV SUBSTATION, BREAKER INTALL**
Description:	Install a breaker at Big Shanty 500/230 kV substation.
Supporting Statement:	An element overloads under a contingency.

In-Service Year:	2028
Project Name:	**BREMEN - CROOKED CREEK 115 KV TRANSMISSION LINE, RECONDUCTOR**
Description:	Reconductor ~29.5 miles of 115 kV transmission line from Crooked Creek TS to Indian Creek Metering Station from 397 30/7 ACSR at 100°C to 795 ACSS at 200°C.
Supporting Statement:	The Bremen - Crooked Creek 115 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**CARTERSVILLE - EMERSON 230 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild 5.3 miles of the Cartersville - Emerson 230 kV transmission line with (2) 1351 ACSS Martin at 200°C and replace limiting line elements.
Supporting Statement:	The Cartersville - Emerson 230 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**CC - EAST VILLA RICA SWITCHING STATION 230 KV, CONSTRUCT (CC IMPROVEMENT)**
Description:	Build a new 230 kV switching station East of Villa Rica.
Supporting Statement:	The project is required to serve load growth and customers in Douglas County.

In-Service Year:	2028
Project Name:	**CC - VILLA RICA UPGRADES, CC NETWORK IMPROVEMENTS**
Description:	Add a new 500/230 kV auto transformer at Villa Rica and loop in and out the Bowen - Union City 500 kV transmission line into Villa Rica. Convert the 230 kV side to a breaker and a half scheme.
Supporting Statement:	The transmission network upgrades under this project are required to reliably serve load growth in Douglas County.

In-Service Year:	2028
Project Name:	**CORN CRIB - LAGRANGE 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild a section of the Corn Crib - LaGrange 115 kV transmission line with 1351 AAC conductor at 200°C. Replace limiting elements on the line, and at Corn Crib and Hogansville.
Supporting Statement:	A multiple contingency event causes a section of the Corn Crib - LaGrange 115 kV transmission line to overload.

In-Service Year:	2028
Project Name:	**DEMOPOLIS - SELMA 115 KV TRANSMISSION LINE, RECONDUCTOR/UPGRADE**
Description:	Reconductor ~5 miles of 115 kV transmission line from Demopolis to Sonat (Gallion) from 397 ACSR at 100°C to 795 ACSS 200°C, then upgrade 7.3 miles from Sonat (Gallion) to Faunsdale TS from 397 ACSR at 100°C to 125°C.
Supporting Statement:	The Demopolis - Selma 115 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**DYER ROAD - EAST ROANOKE 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild 20.7 miles from Dyer Road to Wansley tap on the Dyer Road - East Roanoke (APC) 115 kV transmission line with Everglades C7 advanced conductor.
Supporting Statement:	Dyer Road - East Roanoke (APC) 115 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**ELLICOTT - NORTH MOBILE #2 115 KV, UPGRADE**
Description:	Upgrade of the North Mobile - Ellicott 115 kV transmission line from 397 26/7 ACSR at 100°C to 397 26/7 ACSR at 125°C.
Supporting Statement:	The Ellicott-North Mobile #2 115 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**ELLICOTT SUBSTATION, EXPANSION PROJECT**
Description:	• Add 6 new 230 kV terminals at Ellicott SS. Ellicott SS to become Ellicott TS 230 kV.• Add new 115 kV station with breaker and a half configuration to support 13 - 115 kV transmission line terminations, to include a new 230/115 kV autobank.• Reconfigur
Supporting Statement:	Upgrade existing and construct new transmission facilities to provide additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2028
Project Name:	**EUTAW - GREENE COUNTY 115 KV TRANSMISSION LINE, RECONDUCTOR**
Description:	Reconductor ~23 miles of the Eutaw TS - Greene County SP 115 kV transmission line from 397 ACSR 26/7 at 100°C to 795 ACSS 26/7 at 200°C.
Supporting Statement:	The Eutaw - Greene County 115 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**FIRST AVENUE - NORTH COLUMBUS 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild 0.9 miles of the North Columbus - First Avenue 115 kV transmission line with 1351 ACSS at 200°C.
Supporting Statement:	The North Columbus - First Avenue 115 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**FITZGERALD - PITTS 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild Fitzgerald - Pitts 115 kV transmission line with 1351 ACSS at 200°C.
Supporting Statement:	The Fitzgerald - Pitts 115 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**GREENE COUNTY - NORTH SELMA 230 KV TRANSMISSION LINE, UPGRADE**
Description:	Upgrade ~48 miles of the Greene County - North Selma 230 kV transmission line at 1033 45/7 ACSR 100°C to 110°C.
Supporting Statement:	The Greene County - North Selma 230 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**GTC: BARNEYVILLE - EAST MOULTRIE 115 KV NEW TRANSMISSION LINE, CONSTRUCT**
Description:	Build ~20 miles of a new 115 kV transmission line from Barneyville to East Moultrie with 1351 ACSS at 200°C.
Supporting Statement:	The Barneyville - Pine Grove Primary 115 kV transmission line and Barneyville - Douglas 115 kV transmission line overload under contingency.

In-Service Year:	2028
Project Name:	**GTC: BONAIRE PRIMARY 500/230 KV TRANSFORMER, REPLACEMENT AND RELAY MODIFICATION**
Description:	Replace 500/230 kV auto transformer C with a new transformer. Replace obsolete relay panels.
Supporting Statement:	Replacement of obsolete relays and major equipment at Bonaire Primary needed due to ongoing maintenance issues.

In-Service Year:	2028
Project Name:	**GTC: BOSTWICK - EAST SOCIAL CIRCLE 230 KV TRANSMISSION LINE, RECONDUCTOR**
Description:	Reconductor ~10.8 miles of the East Social Circle - East Watkinsville 230 kV transmission line from 1033 ACSR Curlew conductor to 1033 ACCR conductor at 200°C.
Supporting Statement:	The Bostwick - East Social Circle 230 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**GTC: DYER ROAD - SOUTH COWETA 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild a section of the Dyer Road - South Coweta 115 kV transmission line with 1351 ACSS Martin at 200°C.
Supporting Statement:	The Dyer Road - South Coweta 115 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**GTC: MCDONOUGH - SOUTH GRIFFIN 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the McDonough - South Griffin 115 kV transmission line with 1351 ACSS Martin at 200°C. Replace limiting switches and jumpers with higher rated equipment.
Supporting Statement:	The McDonough - South Griffin 115 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**GTC: NORTH DUBLIN 230/115 KV TRANSFORMERS AND BUS-TIE BREAKER, REPLACEMENT**
Description:	Replace North Dublin 230/115 kV Banks A and B with (2) new 230/115 kV auto transformers. Replace North Dublin 230 kV bus tie breaker with a new breaker. Replace North Dublin 115 kV bus tie breaker with a new breaker.
Supporting Statement:	Replacement of major equipment needed due to ongoing maintenance issues.

In-Service Year:	2028
Project Name:	**GTC: RUM CREEK 500 KV NEW SWITCHING STATION, CONSTRUCT**
Description:	Construct the new Rum Creek 500 kV breaker and half switching station. Loop in the existing Bonaire Primary - Scherer and O'Hara - Scherer 500 kV transmission lines. Terminate the new Big Smarr - Rum Creek 500 kV transmission line (~6 miles). Construct th
Supporting Statement:	The Bonaire Primary 500/230 kV Bank C and Bonaire Primary - Dorsett 230 kV transmission line overload under contingency. The transmission network improvements are required to grant firm Network Integration Transmission Service for a new generating facilit

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In-Service Year:	2028
Project Name:	**GTC: SOUTH COWETA, SWITCH AND BREAKER UPGRADE**
Description:	Replace the limiting elements at South Coweta substation with higher rating.
Supporting Statement:	South Coweta 230/115 kV auto transformer overloads under contingency.

In-Service Year:	2028
Project Name:	**HAMMOND REACTORS, INSTALL**
Description:	Install a new reactor at Hammond on the 230 kV bus for the Anniston - Hammond 230 kV transmission line. Install a reactor at Hammond on the 115 kV bus for the Hammond - Weiss Dam 115 kV transmission line
Supporting Statement:	The Anniston (APC) - Hammond 230 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**HAMPTON - OHARA 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the Hampton - Ohara 115 kV transmission line with 1351 ACSS Martin at 200°C.
Supporting Statement:	The Hampton - Ohara 115 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**HOPE HULL AREA SOLUTION 115 KV, RECONDUCTOR**
Description:	Reconductor ~2.7 miles of 115 kV transmission line from Hope Hull Tap to Hyundai PT from 397 ACSR at 100°C to 795 ACSS at 200°C.
Supporting Statement:	Provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2028
Project Name:	**JACK MCDONOUGH - NORTHWEST (BLACK) 230 KV TRANSMISSION LINE, RECONDUCTOR**
Description:	Rebuild the Jack McDonough - Northwest (Black) 230 kV transmission line with 1351 Elbrus/TW at 200°C.
Supporting Statement:	The Northwest - Jack McDonough 230 kV transmission line exceeds its thermal rating under contingency.

In-Service Year:	2028
Project Name:	**LLOYD SHOALS - PORTERDALE PRIMARY 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild a portion of the Lloyd Shoals - Porterdale Primary 115 kV transmission line with 1351 ACSS Martin at 200°C.
Supporting Statement:	The Lloyd Shoals - Porterdale Primary 115 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**MEAG: BRUMBLEY CREEK - SOUTH BAINBRIDGE 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild ~2.1 miles of the South Bainbridge - Thomasville 115 kV transmission line with 1351 ACSS at 200°C.
Supporting Statement:	The South Bainbridge - Thomasville 115 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**MEAG: DRESDEN - LAGRANGE 230 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the Dresden - LaGrange 230 kV transmission line with (2) 1351 ACSS conductor at 200°C.
Supporting Statement:	The Dresden - LaGrange 230 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**MEAG: THOMASVILLE 230/115 KV AUTOBANK, REPLACEMENT**
Description:	Replace the 230/115 kV auto transformer #4 at Thomasville substation.
Supporting Statement:	The 230/115 kV auto transformer #4 at Thomasville substation overloads under contingency.

In-Service Year:	2028
Project Name:	**MILLER SP 500 KV BREAKER**
Description:	Install a 500 kV breaker at Miller SP.
Supporting Statement:	This project addresses multiple thermal overloads that occur under contingency. This project provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2028
Project Name:	**MORROW 115 KV SUBSTATION, SWITCH UPGRADE**
Description:	Upgrade limiting 115 kV switch at Morrow.
Supporting Statement:	Morrow limiting element overloads under a contingency.

In-Service Year:	2028
Project Name:	**PITTMAN ROAD - WEST POINT DAM (USA) 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the Pittman Road - West Point Dam (USA) 115 kV transmission line with 1351 ACSS Martin conductor at 100°C. Replace AAC 750 jumper at Pittman Road 115 kV with (2) 1590 AAC.
Supporting Statement:	The Pittman Road - West Point Dam (USA) 115 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**PLANT YATES BREAKER AND HALF STATION, REBUILD**
Description:	Rebuild the Yates 6 and 7 substation to a breaker and a half configuration.
Supporting Statement:	Yates 6 and 7 230 kV substation needs to be rebuilt to facilitate new generation.

In-Service Year:	2028
Project Name:	**RAINBOW DRIVE AREA CAPACITOR, INSTALL**
Description:	Install a 115 kV capacitor bank at the Williamson substation.
Supporting Statement:	The Rainbow Drive area experiences voltage issues under a contingency.

In-Service Year:	2028
Project Name:	**SAV: COLEMAN - DEAN FOREST 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the entire Coleman - Dean Forest 115 kV transmission line (~6.7 miles) of 477 Hawk at 100°C with 1351 ACSS Martin at 200°C. At Chatham County, upgrade jumpers and bus. At Dean Forest, remove limiting elements by upgrading jumpers. Rebuild ~1.7 mi
Supporting Statement:	The Coleman - Dean Forest 115 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**SAV: COLEMAN - MELDRIM 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the Coleman - Meldrim 115 kV transmission line from Four Lakes - Structure 76A (~8.1 miles) of 477 ACSR Hawk using 1351 ACSS Martin at 200°C. Upgrade Quacco Rd Switches to a higher rating.
Supporting Statement:	The Coleman - Meldrim 115 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**SAV: RICE HOPE NEW AUTO TRANSFORMER 230/115 KV, INSTALL**
Description:	Install a new 230/115 kV auto transformer at Rice Hope.
Supporting Statement:	This project will address multiple thermal overloads that occur under contingency.

In-Service Year:	2028
Project Name:	**SAV:BOULEVARD - MAGNOLIA - TRUMAN PARKWAY 115 KV TRANSMISSION LINE, REBUILDS**
Description:	Rebuild 3 miles of the Magnolia - Truman Parkway 115 kV from 927 ACAR at 75°C to 1351 ACSS Martin conductor at 200°C or higher rated conductor. Upgrade switches at Magnolia substation to a higher rating switches and jumpers at Truman Parkway. Rebuild the
Supporting Statement:	The Magnolia - Truman Parkway 115 kV and Boulevard - Magnolia 115 kV transmission lines overload under contingency.

In-Service Year:	2028
Project Name:	**SOUTH MACON 115 KV BUSES 1 AND 2, REPLACEMENT**
Description:	Replace the 115 kV buses 1 and 2 at South Macon with (2) 1590AAC. Replace the limiting elements on the station with a higher rating.
Supporting Statement:	The 230/115 kV auto transformers at South Macon overload under contingency .

In-Service Year:	2028
Project Name:	**SOUTH TUSCALOOSA - 31ST AVENUE 115 KV TRANSMISSION LINE, RECONDUCTOR**
Description:	Reconductor ~ 5 miles of the South Tuscaloosa - 31st Avenue 115 kV transmission line from 795 ACSR at 100°C with Southwire C7 973 ACCS 20/7 at 180°C.
Supporting Statement:	The South Tuscaloosa - 31st Avenue 115 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**THURLOW DAM - PIN OAKS 115 KV TRANSMISSION LINE, RECONDUCTOR**
Description:	Reconductor ~21 miles of 115 kV transmission line from Thurlow Dam to Pin Oaks from 397 ACSR at 100°C to 795 ACSS at 200°C.
Supporting Statement:	The Thurlow Dam - Notasulga 115 kV transmission line overloads under contingency.

In-Service Year:	2028
Project Name:	**UNION CITY - YATES 230 KV (BLACK) TRANSMISSION LINE, REBUILD**
Description:	Rebuild the entire Union City - Yates 230 kV Black line (~23.4 miles) with bundled 1351 ACSS Martin at 200°C. Upgrade limiting elements at substations along the line.
Supporting Statement:	The Union City - Yates 230 kV Black transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**ALICEVILLE - STANSEL 115 KV NEW TRANSMISSION LINE, CONSTRUCT**
Description:	Construct ~17 miles of new 115 kV transmission line with 795 ACSR 26/7 ACSR at 100°C from Aliceville TS to Stansel TS .
Supporting Statement:	Provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2029
Project Name:	**ANNISTON - BYNUM 115 KV TRANSMISSION LINE REACTOR, INSTALL**
Description:	Install a reactor along the Anniston - Bynum 115 kV transmission line.
Supporting Statement:	The Anniston - Bynum 115 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**ARLINGTON PRIMARY - LIZARD LOPE 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild ~21.6 miles of Arlington Primary - Lizard Lope 115 kV transmission line with 795 ACSS Drake conductor at 200°C.
Supporting Statement:	The Arlington Primary - Lizard Lope 115 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**ASHLEY PARK - WANSLEY 500 KV NEW TRANSMISSION LINE, CONSTRUCT**
Description:	Construct an ~35 mile 500 kV transmission line from Ashley Park to Wansley with (3) 1113 Bluejay ACSR at 100°C.
Supporting Statement:	This project addresses thermal overloads that occur under contingency.

In-Service Year:	2029
Project Name:	**ATKINSON - NORTHWEST 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild 1.2 miles of the Atkinson - Northwest 115 kV transmission line with 1351 ACSS Martin at 200°C.
Supporting Statement:	The Atkinson - Northwest 115 kV transmission line overloads under a contingency.

In-Service Year:	2029
Project Name:	**BAY CREEK - CONYERS 230 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the Rockdale to Bay Creek segment of the Bay Creek - Conyers 230 kV transmission line using 1351 ACSS Martin conductor 200°C.
Supporting Statement:	The Bay Creek - Conyers 230 kV transmission line will overload under certain contingencies.

In-Service Year:	2029
Project Name:	**BLAKELY PRIMARY - HUCKLEBERRY 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild 13.5 miles of the Blakley Primary - Huckleberry 115 kV transmission line with 1351 ACSS at 200°C.GPC: Replace jumpers at Blakely Primary.GTC: Replace jumpers at Blakely and Huckleberry.
Supporting Statement:	Blakley Primary - Huckleberry 115 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**BOULEVARD - VIRGINIA AVENUE 230 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild 0.94 miles of the Boulevard - Virginia Avenue 230 kV transmission line with 1351 ACSS Martin at 200°C. Replace the limiting elements on the line.
Supporting Statement:	The Boulevard - Virginia Avenue 230 kV transmission line overloads under a multiple contingency event.

In-Service Year:	2029
Project Name:	**BUZZARD ROOST - FACTORY SHOALS 230 KV NEW TRANSMISSION LINE, CONSTRUCT**
Description:	Build 2 miles of new 230 kV transmission line from Buzzard Roost to Factory Shoals with 1351 ACSS Martin at 200°C.
Supporting Statement:	The Douglasville - Groover Lake 115 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**CALVERT - WEST MCINTOSH 230 KV TRANSMISSION LINE, UPGRADE**
Description:	Upgrade 12 miles of the Calvert - West McIntosh 230 kV transmission line from 1351 54/19 ACSR at 100°C to 125°C.
Supporting Statement:	The Calvert - West McIntosh 230 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**CENTRE - HAMMOND 115 KV TRANSMISSION LINE, RECONDUCTOR**
Description:	Reconductor ~15 miles of the Centre - Hammond 115 kV transmission line from 397.5 ACSR 26/7 at 100°C to 795 ACSR 26/7 at 100°C.
Supporting Statement:	The Centre - Hammond 115 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**CLIFTONDALE - STONEWALL TELL (SWITCHING STATION) 230 KV TRANSMISSION LINE, CONSTUCT**
Description:	Build a new 4 mile 230 kV transmission line with 1315 ACSS Martin 200°C from Cliftondale to Stonewall Tell or a new switching station East Point - Union City (White) 230 kV transmission line.
Supporting Statement:	The line eliminates many overloads under contingency.

In-Service Year:	2029
Project Name:	**CONYERS - KLONDIKE 230 KV SECOND TRANSMISSION LINE, CONSTRUCT**
Description:	Build a new 6.56 mile line from Conyers to Klondike with (2) 1351 ACSS Martin conductor at 200°C. Build one new 230 kV breaker terminal at Conyers and one new 230 kV terminal at Klondike.
Supporting Statement:	The Sigman Rd - Cornish Mountain 115 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**COUNTY LINE RD. TS 230 KV REACTOR PROJECT, INSTALL**
Description:	Install a new series reactor on the County Line - Gaston 230 kV transmission line.
Supporting Statement:	The County Line - Gaston 230 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**GLENWOOD SPRINGS - PORTERDALE PRIMARY 230 KV TRANSMISSION LINE, SWITCH REPLACEMENT**
Description:	Replace the limiting elements on the Glenwood Springs - Porterdale Primary 230 kV transmission line.
Supporting Statement:	The Glenwood Springs - Porterdale Primary 230 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**GOAT ROCK 203 KV SUBSTATION, REACTORS INSTALLATION**
Description:	Install series reactors on the Fortson - Goat Rock (Black) 230 kV and Fortson - Goat Rock (White) 230 kV.
Supporting Statement:	The Fortson - Goat Rock (Black and White) 230 kV transmission lines overload under contingency.

In-Service Year:	2029
Project Name:	**GTC: BARNESVILLE - SOUTH GRIFFIN 230 KV PROJECT**
Description:	Construct a new 19-mile 230 kV transmission line from South Griffin substation to Barnesville Primary substation with 1351 ACSS at 200°C.
Supporting Statement:	The Barnesville - South Griffin 115 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**GTC: BARNESVILLE PRIMARY - THOMASTON 230 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild 13.24 miles of the Barnesville Primary - Thomaston 230 kV transmission line with 1351 ACSS at 200°C. Replace line switches and jumpers.
Supporting Statement:	Barnesville Primary - Thomaston 230 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**GTC: BAY CREEK 230/115 KV SECOND AUTO TRANSFORMER, INSTALL**
Description:	Install a second 400 MVA auto transformer at the Bay Creek substation.
Supporting Statement:	The Bay Creek - Monroe 115 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**GTC: BONAIRE PRIMARY - EASTMAN PRIMARY 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild 41.08 miles of the Bonaire Primary - Eastman Primary 115 kV transmission line with 1351 ACSS Martin conductor at 200°C and upgrade the limiting bus with a higher rating.
Supporting Statement:	The Bonaire Primary - Eastman Primary 115 kV transmission line overloads under multiple contingencies

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In-Service Year:	2029
Project Name:	**GTC: CLARKSBORO - WINDER PRIMARY 230 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild ~14 miles of the Clarksboro - Winder 230 kV transmission line with 1351 ACSS at 200°C.
Supporting Statement:	The Clarksboro - Winder 230 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**GTC: CLIFTONDALE - LINE CREEK 230 KV NEW TRANSMISSION LINE, CONSTRUCT**
Description:	Build a new 11.6 mile 230 kV transmission line is being built from Cliftondale to Line Creek with 1351 ACSS Martin at 200°C.
Supporting Statement:	The line is being built to resolve thermal issues in Metro West.

In-Service Year:	2029
Project Name:	**GTC: DAWSON CROSSING - NELSON (BLACK) 115 KV, REBUILD**
Description:	Rebuild ~7.5 miles from Nelson to McClain Mountain to Big Canoe on the Dawson Crossing - Nelson (Black) 115 kV transmission line with 795 ACSS conductor at 200°C or equivalent.
Supporting Statement:	Dawson Crossing - Nelson (Black) 115 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**GTC: DRESDEN - TALBOT 500 KV NEW TRANSMISSION LINE, CONSTRUCT**
Description:	New 500 kV transmission line will be built from new Talbot substation to Dresden along with a new 500/230 kV substation.
Supporting Statement:	This strategic project will address multiple thermal overloads that occur under contingency.

In-Service Year:	2029
Project Name:	**GTC: MCDONOUGH - SOUTH GRIFFIN 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the McDonough - South Griffin 115 kV transmission line with 1351 ACSS Martin at 200°C. Replace limiting switches and jumpers with higher rated equipment.
Supporting Statement:	The McDonough - South Griffin 115 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**GTC: TENASKA - WANSLEY 500 KV NEW TRANSMISSION LINE, CONSTRUCT**
Description:	Construct a 5-mile long 500 kV transmission line between Tenaska and Wansley with (3) 1113 ACSR Bluejay conductor. Make all necessary accommodations at the substations for the line termination.
Supporting Statement:	This project reduces multiple 500 kV transmission line loadings, and provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2029
Project Name:	**HAMPTON - MCDONOUGH 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild a 3.1 mile section from Hampton to Henderson Farms and McDonough to Daily Mill Junction 115 kV with 1351 ACSS Martin at 200°C. Replace limiting elements at Hampton, Greenwood Park, and McDonough.
Supporting Statement:	The Hampton - McDonough 115 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**HAMPTON - SOUTH GRIFFIN 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild a 4.4 miles section of the Hampton - South Griffin 115 kV transmission line with 1351 ACSS at 200°C. Replace limiting elements at South Griffin and Pomona.
Supporting Statement:	The Hampton - South Griffin 115 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**HICKORY LEVEL - POST RD 115 KV TRANSMISSION LINE, REBUILD**
Description:	Phase 1: Rebuild the 1.15 miles portion from Hickory Level to South Villa Rica J with 1351 ACSS Martin at 200°C.Phase 2: Rebuild a 4.5 mile segment of Hickory Level - Post Rd 115 kV transmission line.
Supporting Statement:	The Hickory Level - Post Rd 115 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**HOLT STREET - CARTER HILL RD 115 KV TRANSMISSION LINE, RECONDUCTOR**
Description:	Reconductor 1.81 miles of Holt Street - Carter Hill Rd 115 kV from 397 ACSR 18/1 at 100°C to 795 ACSR 45/7 ACSR at 100°C.
Supporting Statement:	Provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2029
Project Name:	**JONESBORO - OHARA 230 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the 7.9 miles Jonesboro - Ohara 230 kV transmission line with 1351 ACSS Martin conductor at 200°C.
Supporting Statement:	The Jonesboro - Ohara 230 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**KETTLE CREEK PRIMARY - PINE GROVE PRIMARY 115 KV, REBUILD**
Description:	Rebuild ~38.04 miles of the Kettle Creek - Pine Grove Primary 115 kV transmission line using 1351 ACSS at 200°C.
Supporting Statement:	The Kettle Creek - Pine Grove 115 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**LOWER RIVER - WEBB (APC) 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild ~0.97 miles of the Lower River - Webb 115 kV transmission line with 795 ACSS Drake conductor at200°C.
Supporting Statement:	The Lower River - Webb (APC) 115 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**MARTIN DAM - CROOKED CREEK #1 115 KV TRANSMISSION LINE**
Description:	Move Red Ridge DS from the Martin Dam - Crooked Creek #2 115 kV transmission line to the #1 115 kV transmission line. Upgrade 16 miles of the Martin Dam - Crooked Creek #1 115 kV transmission line from Martin Dam to Dadeville and 16 miles of the Martin Da
Supporting Statement:	The Martin Dam - Crooked Creek #1 115 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**MARTIN DAM - CROOKED CREEK #2 115 KV TRANSMISSION LINE**
Description:	Move Red Ridge DS from the Martin Dam - Crooked Creek #2 115 kV transmission line to the #1 115 kV transmission line. Upgrade 16 miles of the Martin Dam - Crooked Creek #1 115 kV transmission line from Martin Dam to Dadeville and 16 miles of the Martin Da
Supporting Statement:	The Martin Dam - Crooked Creek #2 115 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**MARTIN DAM - PEAR TREE 115 KV TRANSMISSION LINE, RECONDUCTOR**
Description:	Reconductor 20.5 miles of 115 kV transmission line from Martin Dam to Pear Tree from 397 ACSR 26/7 at 100°C to 795 ACSS 26/7 at 200°C.
Supporting Statement:	The Martin Dam - Pear Tree 115 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**MCEVER ROAD - SHOAL CREEK 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild ~3.05 miles of the McEver Road - Shoal Creek 115 kV transmission line with 1351 ACSS at 200°C.
Supporting Statement:	The McEver Road - Shoal Creek 115 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**MCMANUS - WEST BRUNSWICK 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the McManus - West Brunswick 115 kV transmission line (~5.7 miles) with 1351 ACSS Martin conductor at 200°C.
Supporting Statement:	The McManus - West Brunswick 115 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**MEAG: AULTMAN ROAD - FORT VALLEY #1 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild ~8 miles of the Aultman Road - Fort Valley #1 115 kV transmission line with 1351 ACSS at 200°C.
Supporting Statement:	The Aultman Road - Fort Valley #1 115 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**MEAG: SLAPPEY DRIVE - WESTOVER 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild ~2.92 miles of Slappey Drive - Westover 115 kV transmission line with 1351 ACSS at 200°C.
Supporting Statement:	Slappey Drive - Westover 115 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**MEAG: SOUTH GRIFFIN 230/115 KV BANK #5, REPLACE**
Description:	Replace the 230/115 kV auto transformer with larger rated auto transformer at South Griffin.
Supporting Statement:	The South Griffin 230/115 kV auto transformer exceeds its rating under contingency and base case conditions.

In-Service Year:	2029
Project Name:	**MOSS POINT EAST - PASCAGOULA BAYOU CASOTTE 115 KV TRANSMISSION LINE, CONSTRUCT**
Description:	Construct ~2.7 miles of new 115 kV transmission line from Moss Point East with 1033.5 ACSR at 100°C and connect into the existing BP Amoco - Pascagoula Bayou Cassotte 115 kV transmission line.
Supporting Statement:	The Moss Point East - Pascagoula MS Chemical 115 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**NORCROSS - NORTH DRUID HILLS 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild ~3.9 miles of the Norcross - North Druid Hills 115 kV transmission line.
Supporting Statement:	The Norcross - North Druid Hills 115 kV transmission line overloads under contingency. This project addresses problems associated with Category P2, SE P2 events. These problems were identified as part of Southern Company's Transmission Planning process in

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In-Service Year:	2029
Project Name:	**NORTH THEODORE AREA SOLUTION 115 KV**
Description:	• Reconductor ~0.9 miles of the Hollinger's Island - Holcim 115 kV transmission line from 397 ACSR at 75°C to 795 ACSR at 100°C.• Construct new SS near Multistate Environmental Response Trust (Formerly Known as Tronox LLC).• Construct ~5.3 miles of 115
Supporting Statement:	Provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2029
Project Name:	**OPP - SOUTH ENTERPRISE 230 KV TRANSMISSION LINE, RECONDUCTOR**
Description:	Reconductor ~25 miles of the Opp - South Enterprise 230 kV transmission line from 795 ACSR 26/7 at 125°C to 1351.5 ACSS 54/19 at 200°C.
Supporting Statement:	The Opp - South Enterprise 230 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**SAV: DEAN FOREST - LITTLE OGEECHEE 230 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the entire line from Little Ogeechee - Salt Creek and Salt Creek - Dean Forest (~8 miles) using 1351 ACSS/Martin 200°C. Upgrade jumpers at the Little Ogeechee terminal.
Supporting Statement:	The Dean Forest - Little Ogeechee 230 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**SAV: LITTLE OGEECHEE 230/115 KV BANK, REPLACEMENT**
Description:	Replace SATX 230/115 kV auto transformer.
Supporting Statement:	The SATX 230/115 kV auto transformer overloads under contingency.

In-Service Year:	2029
Project Name:	**SOUTH BAINBRIDGE - SINAI (FPL) 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the Four Mile tap - Recovery - Sinai (FPL) segment of the Sinai (FPL) - South Bainbridge 115 kV transmission line with 1351 ACSS at 200°C. At Recovery (GTC): Replace bus and jumpers. At Sinai (FPL). Replace jumpers.
Supporting Statement:	Sinai (FPL) - South Bainbridge 115 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**THOMASTON 230 KV NETWORK AREA IMPROVEMENT**
Description:	Rebuild the radial Thomaston - Butler 115 kV transmission line to 230 kV network operation. Build new 230 kV breaker and a half switching station to replace end of life equipment. Make all necessary upgrades and accommodations at the substation along the
Supporting Statement:	Line conversion increases capacity in the Butler area and ability to move increase solar generation from the South to the North. A new 230 kV breaker and a half switching station provides better reliability and replaces end of life equipment.

In-Service Year:	2029
Project Name:	**VIRGINIA AVENUE - WABASH AVENUE 230 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild 1.5 miles of the Virginia Avenue - Wabash Avenue 230 kV transmission line with 1351 ACSS Martin conductors at 200°C. Replace the limiting elements on the line.
Supporting Statement:	The Virginia Avenue - Wabash Avenue 230 kV transmission line overloads under multiple contingency event.

In-Service Year:	2030
Project Name:	**ATKINSON - NORTHSIDE DRIVE 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild a portion of the Atkinson - Northside 115 kV transmission line (~3.2 miles) from Atkinson to Chattahoochee with 1351 ACSS Martin at 200°C.
Supporting Statement:	The Atkinson - Northside 115 kV transmission line overloads under a contingency.

In-Service Year:	2030
Project Name:	**ATTALLA - GULF STATES STEEL 115 KV TRANSMISSION LINE, UPGRADE**
Description:	Upgrade ~2.5 miles of the Atalla - Gulf States Steel 115 kV transmission line from 397 26/7 ACSR at 100°C to 125°C.
Supporting Statement:	The Attalla - Gulf States Steel 115 kV transmission line overloads under contingency.

In-Service Year:	2030
Project Name:	**BAINBRIDGE 115 KV TRANSMISSION: EAST RIVER ROAD, EAST BAINBRIDGE, CONSTRUCT**
Description:	This project will construct a new 115 kV breaker and a half substation.
Supporting Statement:	This project is part of an overall reconfiguration of the Bainbridge area to improve the distribution reliability, transmission security, and operational flexibility.

In-Service Year:	2030
Project Name:	**BESSEMER - SOUTH BESSEMER 115 KV TRANSMISSION LINE, RECONDUCTOR - PHASE 2**
Description:	Reconductor ~13 miles of 115 kV transmission line from South Bessemer TS to Bessemer TS from 795 ACSR at 100°C to 795 ACSS 26/7 at 200°C.
Supporting Statement:	The Bessemer - South Bessemer 115 kV transmission line overloads under contingency.

In-Service Year:	2030
Project Name:	**BESSEMER - SOUTH BESSEMER 230 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild ~15 miles of the Bessemer - South Bessemer 230 kV Transmission line from 1033 ACSR 45/7 at 125°C to Southwire C7 1233 ACCS 38/7 at 180°C.
Supporting Statement:	The Bessemer - South Bessemer 230 kV transmission line overloads under contingency.

In-Service Year:	2030
Project Name:	**BULL SLUICE- POWERS FERRY 230 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild ~1.65 miles of line using 1351 ACSS Martin conductor at 200°C. Replace jumpers and OHGW.
Supporting Statement:	The Bull Sluice - Powers Ferry 230 kV transmission line overloads under contingency.

In-Service Year:	2030
Project Name:	**CC - NORTH GEORGIA DATA NETWORK UPGRADES (GPC), CONSTRUCT**
Description:	Construct ~7 miles of 115 kV transmission line with minimum 1351 ACSS conductor at 170°C on the North Jackson - Lawrence Smith 46 kV ROW that is to be retired.
Supporting Statement:	The future Banks Crossing - Pond Fork 115 kV transmission line overloads under contingency due to an increase in area load.

In-Service Year:	2030
Project Name:	**CORNELIA - TALLULAH LODGE 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild ~9.7 miles of the Cornelia - Tallulah Lodge 115 kV transmission line with 795 ACSS conductor at 200°C.
Supporting Statement:	The Cornelia - Tallulah Lodge 115 kV transmission line overloads under contingency.

In-Service Year:	2030
Project Name:	**DU: DAWSON CROSSING - NELSON (WHITE) 115 KV REBUILD**
Description:	Rebuild ~15.7 miles of the Dawson Crossing - Nelson (White) 115 kV transmission line with 1351 ACSS Martin at 200°C.
Supporting Statement:	The Dawson Crossing - Nelson (White) 115 kV transmission line overloads under contingency.

In-Service Year:	2030
Project Name:	**EAST POINT - TRIBUTARY 230 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the 4.2 mile section from Cavender Drive to Marietta 25 with 1351 ACSS at 200°C on the East Point - Tributary 230 kV transmission line.
Supporting Statement:	The East Point - Tributary 230 kV transmission line overloads under a contingency.

In-Service Year:	2030
Project Name:	**EAST POINT 230 KV, SWITCH REPLACEMENT**
Description:	Replace a switch at East Point 230 kV with a higher rating.
Supporting Statement:	The switch exceeds its thermal rating under contingency.

In-Service Year:	2030
Project Name:	**ECHECONNEE-WELLSTON 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild ~11.8 miles of the Echeconnee - Wellston 115 kV transmission line with 1351 ACSS at 200°C and the limiting elements along the line. Replace the limiting bus and jumper with (2) 1590 AAC.
Supporting Statement:	The Echeconnee - Wellston 115 kV transmission line overloads under contingency.

In-Service Year:	2030
Project Name:	**GADSDEN - GULF STATES STEEL 115 KV TRANSMISSION LINE (PHASE 1), RECONDUCTOR**
Description:	Reconductor ~2.5 miles of 115 kV transmission line from Gulf States Steel to Morgan's Crossroads from 397 26/7 ACSR at 75°C to 795 ACSR 26/7 at 100°C.
Supporting Statement:	Provides additional operational and maintenance flexibility which then increases reliability. In addition, associated with replacing aging equipment at Gulf States Steel 115 kV DS.

In-Service Year:	2030
Project Name:	**GADSDEN - GULF STATES STEEL 115 KV TRANSMISSION LINE (PHASE 2)**
Description:	(1) Replace Gulf States Steel DS with a new 5-terminal, 4-breaker 115 kV ring bus SS across the street from the existing substation.(2) Move the Linde Inc (Gadsden) 115 kV tap from Gulf States Steel DS to the new West Gadsden SS.
Supporting Statement:	Provides additional operational and maintenance flexibility which then increases reliability. In addition, associated with replacing aging equipment at Gulf States Steel 115 kV DS.

In-Service Year:	2030
Project Name:	**GAINESVILLE #2 - MCEVER ROAD 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild ~5.3 miles of the Gainesville #2 - McEver Rd 115 kV transmission line with 1351 ACSS at 200°C.
Supporting Statement:	The Gainesville #2 - McEver Rd 115 kV transmission line overloads under contingency.

In-Service Year:	2030
Project Name:	**GASTON - BYNUM 230 KV TRANSMISSION LINE, UPGRADE**
Description:	Upgrade ~38.5 miles of the Gaston - Bynum 230 kV transmission line from 1033 45/7 ACSR at 100°C to 1033 45/7 ACSR at 125°C.
Supporting Statement:	The Bynum - Gaston 230 kV transmission line overloads under contingency.

In-Service Year:	2030
Project Name:	**GLENWOOD SPRINGS - LAKE OCONEE 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the Glenwood Springs - Putnam Sawmill Jun - North Eatonton Junction section of the 115 kV transmission line with 1351 ACSS at 200°C.
Supporting Statement:	The Glenwood Springs - Lake Oconee 115 kV transmission line overloads under base case conditions.

In-Service Year:	2030
Project Name:	**GLENWOOD SPRINGS 115 KV CAPACITOR BANK, INSTALL**
Description:	Install a 115 kV capacitor bank at the Glenwood Springs substation.
Supporting Statement:	Low bus voltage issues were identified on several 115 kV buses due to a contingency.

In-Service Year:	2030
Project Name:	**GOLDENS CREEK - THOMSON PRIMARY 230 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the entire Goldens Creek - Thomson Primary 230 kV transmission line (~17 miles) with 1351 ACSS Martin at 200°C. Replace limiting elements at the Goldens Creek and Thomson substations.
Supporting Statement:	Under contingency, the Goldens Creek - Thomson Primary 230 kV transmission line is overloaded.

In-Service Year:	2030
Project Name:	**GOLDENS CREEK - WARRENTON PRIMARY 230 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild ~0.34 miles of the Goldens Creek - Warrenton Primary 230 kV transmission line with 1351 ACSS Martin at 200°C.
Supporting Statement:	The Goldens Creek - Warrenton Primary 230 kV transmission line overloads under contingency.

In-Service Year:	2030
Project Name:	**GORDON-SANDERSVILLE #1 115 KV (DEEPSTEP-SAND #6) TRANSMISSION LINE, REBUILD**
Description:	Rebuild 10.49 miles of the Deepstep - Robins Spring, Robins Spring - Kaolin J, and Kaolin J - Sandersville #6 line sections of the Gordon - Sandersville #1 115 kV transmission line with ACSR 795 conductor at 100°C.
Supporting Statement:	The Gordon - Sandersville #1 115 kV transmission line overloads under contingency.

In-Service Year:	2030
Project Name:	**GREENE COUNTY - S. BESSEMER 500 KV TRANSMISSION LINE, CONSTRUCT**
Description:	Construct ~63 miles of new 500 kV line from Greene County SP to S. Bessemer including the addition of a new 500/230 kV Bank.
Supporting Statement:	The Greene County – North Selma 230 kV transmission line overloads under contingency. Reduces multiple additional 230 kV and 115 kV transmission line loadings that overload under contingency and provides additional operational and maintenance flexibility,

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In-Service Year:	2030
Project Name:	**GRID: OFFERMAN-THALMANN (BLACK) 230 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the Offerman - Thalmann (Black) 230 kV transmission line using 1351 ACSS at 200°C.
Supporting Statement:	The Offerman - Thalmann (Black) 230 kV transmission line overloads under contingency.

In-Service Year:	2030
Project Name:	**GRID: OFFERMAN-THALMANN (WHITE) 230 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the Offerman - Thalmann (White) 230 kV transmission line using 1351 ACSS at 200°C.
Supporting Statement:	The Offerman - Thalmann (White) 230 kV transmission line overloads under contingency.

In-Service Year:	2030
Project Name:	**GTC: BIG SMARR - TOMOCHICHI 500 KV NEW TRANSMISSION LINE, CONSTRUCT**
Description:	Construct a 500 kV transmission line from Big Smarr to Tomochichi (~36 miles long) with (3) 1113 ACSR Bluejay conductor at 100°C. Make the necessary modifications at Big Smarr and Tomochichi to add breakers and terminate the line.
Supporting Statement:	This project addresses multiple thermal overloads that occur under contingency.

In-Service Year:	2030
Project Name:	**GTC: BUZZARD ROOST - CAVENDER DRIVE 230 KV NEW TRANSMISSION LINE, CONSTRUCT**
Description:	Build a new 7-mile 230 kV transmission line from Cavender Drive to Buzzard Roost with 1351 ACSS Martin at 200°C.
Supporting Statement:	New 230 kV transmission line mitigates multiple thermal overloads during a base case scenario.

In-Service Year:	2030
Project Name:	**GTC: CAVENDER DRIVE 500/230 KV AUTO TRANSFORMER**
Description:	Cavender Drive will become a 500/230 kV station looping in the Villa Rica - Union City 500 kV transmission line.
Supporting Statement:	The project will address multiple thermal overloads that occur under contingency.

In-Service Year:	2030
Project Name:	**GTC: DOUGLASVILLE - EAST VILLA RICA SS 230 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild 8.2 miles of the Douglasville - East Villa Rica 230 kV transmission line with 1351.0 ACSS Martin conductor at 200°C.
Supporting Statement:	The Douglasville - East Villa Rica 230 kV transmission line overloads under a contingency.

In-Service Year:	2030
Project Name:	**GTC: EAST WATKINSVILLE 230 KV SERIES REACTORS, REPLACEMENT**
Description:	Replace series reactors at East Watkinsville on the Russell Dam 230 kV transmission line.
Supporting Statement:	Equipment on the East Watkinsville - Russell Dam 230 kV transmission line overloads under contingency.

In-Service Year:	2030
Project Name:	**GTC: HARTWELL DAM - HARTWELL ENERGY 230 KV SERIES REACTORS, REPLACEMENT**
Description:	Replace the series reactors on the Hartwell Dam - Hartwell Energy 230 kV transmission line.
Supporting Statement:	The reactors on the Hartwell Dam - Hartwell Energy 230 kV transmission line overload under contingency.

In-Service Year:	2030
Project Name:	**GTC: HARTWELL ENERGY - MIDDLE FORK 230 KV TRANSMISSION LINE, CONSTRUCT**
Description:	Construct a new 230 kV transmission line (~ 35 miles) from Hartwell Energy to Middle Fork using (2) 1351 ACSS at 200°C. GTC: Expand Hartwell Energy 230 kV and Middle Fork 230 kV substations for the new line termination.
Supporting Statement:	New 230 kV transmission line addresses multiple constraints that occur under contingency along the eastern interface.

In-Service Year:	2030
Project Name:	**GTC: POND FORK - MIDWAY 115 KV NEW TRANSMISSION LINE, CONSTRUCT**
Description:	Construct ~6 miles of 115 kV transmission line with minimum 1351 ACSS conductor at 170°C utilizing the existing GTC-owned portion of the North Jackson - Lawrence Smith 46 kV ROW. Add a second 230/115 kV auto transformer at Pond Fork substation.
Supporting Statement:	The future Banks Crossing - Pond Fork 115 kV transmission line overloads under contingency due to an increase of load in the area.

In-Service Year:	2030
Project Name:	**GTC: ROCKVILLE - TIGER CREEK -WARTHEN 500 KV NEW TRANSMISSION LINES, CONSTRUCT**
Description:	Build the new 500 kV transmission line from Rockville to Tiger Creek and Tiger Creek to Warthen (~20 miles and 9 miles long, respectively) with (3) 1113 ACSR Bluejay conductor at 100°C. Build a 500 kV yard at Tiger Creek and install a 500/230 kV auto tran
Supporting Statement:	This project addresses several thermal constraints that occur under contingency.

In-Service Year:	2030
Project Name:	**GTC: SUN HILL - TIGER CREEK 230 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the Tiger Creek - Sun Hill 230 kV transmission line (~16.7 miles) with 1351 ACSS at 200°C and replace the limiting jumper with (2) 1590 AAC.
Supporting Statement:	The Tiger Creek - Sun Hill 230 kV transmission line overloads under contingency.

In-Service Year:	2030
Project Name:	**GTC: TALBOT #2 - TAZEWELL 500 KV NEW TRANSMISSION LINE, CONSTRUCT**
Description:	Build a new 500 kV transmission line from Tazewell to Talbot #2 (~20 miles). Make all necessary accommodations at Tazewell and Talbot #2 for the new 500 kV breakers and line termination.
Supporting Statement:	This project addresses multiple thermal overloads that occur under contingency.

In-Service Year:	2030
Project Name:	**GTC: TIGER CREEK - ROCKVILLE - NORTH SPA 230 KV PROJECT**
Description:	Build a new 4 - breaker 230 kV ring bus at Rockville substation (no auto transformer to be added at this time). Loop in the Eatonton Primary #2 - Wallace Dam 230 kV transmission line. Build a new 230 kV transmission line to Tiger Creek with 1351 ACSS at 2
Supporting Statement:	This project addresses multiple thermal constraints on the 230 kV system in the area that occur under contingency and increases capacity in the area.

In-Service Year:	2030
Project Name:	**GTC: UNION CITY 500 KV, LINE TRAP REPLACEMENT**
Description:	Replace limiting elements at Union City with a higher rating.
Supporting Statement:	The Union City - Ashley Park 500 kV transmission line overloads under contingency.

In-Service Year:	2030
Project Name:	**GTC: YATES - LINE CREEK 230 KV (GREEN) TRANSMISSION LINE, REBUILD**
Description:	Rebuild 16.5 miles of the Yates - Line Creek (Green) 230 kV transmission line using 1351 ACSS Martin at 200°C.
Supporting Statement:	The Yates - Line Creek 230 kV transmission line overloads under a contingency.

In-Service Year:	2030
Project Name:	**GTC: YATES - LINE CREEK 230 KV (RED) TRANSMISSION LINE, REBUILD**
Description:	Rebuild 16.5 miles of the Yates - Line Creek (Red) 230 kV transmission line using 1351 ACSS Martin at 200°C.
Supporting Statement:	The Yates - Line Creek 230 kV transmission line overloads under a contingency.

In-Service Year:	2030
Project Name:	**JEFFERSON ROAD - WINDER PRIMARY 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild ~11 miles of the Jefferson Road - Winder Primary 115 kV transmission line with 1351 ACSS Martin conductor at 200°C.
Supporting Statement:	The Jefferson Road - Winder Primary 115 kV transmission line overloads under contingency.

In-Service Year:	2030
Project Name:	**KIA MOTORS 115 KV TRANSMISSION LINES, REBUILDS**
Description:	Rebuild Kia Motors - PIttman Rd 115 kV transmission line and Kia Motors - LaGrange #11 115 kV transmission line with 1351 ACSS at 200°C.
Supporting Statement:	Kia Motors - Pittman Rd 115 kV transmission line overloads under contingency. Kia Motors - LaGrange #11 115 kV transmission line experiences high loading under contingency.

In-Service Year:	2030
Project Name:	**LEEDS TS - MOODY SS 115 KV TRANSMISSION LINE, RECONDUCTOR**
Description:	Reconductor ~5 miles of the Leeds - Moody 115 kV transmission line from 795 45/7 ACSR at 100°C with 1033.5 45/7 ACSS at 200°C.
Supporting Statement:	The Leeds - Moody 115 kV transmission line overloads under contingency.

In-Service Year:	2030
Project Name:	**MADISON PARK - MOUNT MEIGS DS 115 KV TRANSMISSION LINE, RECONDUCTOR**
Description:	Reconductor ~0.5 miles of 115 kV transmission line from Auburn University (Montgomery) to McLemore DS from 795 26/7 ACSR at 100°C to 1351 54/19 ACSR at 100°C.
Supporting Statement:	This project provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2030
Project Name:	**MARTIN DAM - NORTH AUBURN 115 KV TRANSMISSION LINE, RECONDUCTOR**
Description:	Reconductor ~27 miles of 115 kV transmission line from Martin Dam to North Auburn from 397 ACSR 26/7 at 100°C to 795 ACSS 26/7 at 200°C.
Supporting Statement:	The Martin Dam - North Auburn 115 kV transmission line overloads under contingency.

In-Service Year:	2030
Project Name:	**MEAG: ATHENA - WARRENTON 230 KV TRANSMISSION LINES, CONVERSION**
Description:	Convert the 115 kV transmission lines from Athena - Union Point - Ray Place Road - Warrenton Primary to 230 kV operation using 1351 ACSS at 200°C. Add 230/115k transformers at Union Point Primary and Ray Place Road. Replace limiting equipment along the li
Supporting Statement:	The Ray Place Road - Warrenton 115 kV overloads under contingency.

In-Service Year:	2030
Project Name:	**MEAG: BARNESVILLE PRIMARY 230/115 KV BANK B, REPLACEMENT**
Description:	Replace the Barnesville Primary 230/115 kV bank with higher rated auto transformer.
Supporting Statement:	The Barnesville Primary 230/115 kV auto transformer surpasses its rating under contingency.

In-Service Year:	2030
Project Name:	**MEAG: GOSHEN 230 KV AREA STRATEGIC SOLUTION**
Description:	GPC: Construct a 230 kV switching station on the Waynesboro - Wilson 230 kV transmission line. MEAG: Build a new 230 kV transmission line between the switching station and Goshen (~12.3 miles).
Supporting Statement:	The Augusta Corporate Park - Vogtle 230 kV transmission line overloads under contingency.

In-Service Year:	2030
Project Name:	**MORROW - YATES COMMON 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild 16 miles of 115 kV transmission line section from Yates to North Coweta using 1351 ACSS Martin at 200°C. Replace all limiting elements including switches, buses and jumpers.
Supporting Statement:	The Morrow - Yates Common 115 kV transmission line overloads under contingency.

In-Service Year:	2030
Project Name:	**NORTH SPA 230 KV STRATEGIC PROJECT**
Description:	This project includes the following scope of work:- Build a new 230 kV switching station north of Oasis in a ring bus configuration with 4 - breakers.- Loop in the East Social Circle - Oasis (White) 230 kV transmission line. - Build a new 230 kV transm
Supporting Statement:	This projects addresses thermal constraints in the 230 kV system of the area and increases capacity in the area.

In-Service Year:	2030
Project Name:	**ONO - CLIFTONDALE 230 KV TRANSMISSION LINE AND 230/115 KV AUTO TRANSFORMER, CONSTUCT**
Description:	Build a new 230 kV transmission line from Cliftondale to Ono and install a 115/230 kV auto transformer at Cliftondale.
Supporting Statement:	The 230/115 kV auto transformers at Line Creek overload under a contingency.

In-Service Year:	2030
Project Name:	**PLANT FARLEY (APC)- TAZEWELL 500 KV NEW TRANSMISISON LINE, CONSTRUCT**
Description:	Construct a new 500 kV transmission line from Farley (APC) to Tazewell substation. Construct a 5 breaker 500 kV ring bus to loop in the Blacksmith - Talbot 500 kV transmission line, terminate the new Farley - Tazewell 500 kV, and Talbot #2 - Tazewell 500
Supporting Statement:	This project addresses multiple thermal overloads that occur under contingency.

In-Service Year:	2030
Project Name:	**TALLULAH LODGE - TOCCOA 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the entire Tallulah Lodge - Toccoa 115 kV transmission line with 795 ACSR at 100°C conductor (~10.3 miles). Replace limiting elements in substations along the line.
Supporting Statement:	The Tallulah Lodge - Toccoa 115 kV transmission line overloads under contingency.

In-Service Year:	2030
Project Name:	**THORNTON RD - TRIBUTARY 230 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the 2.8 mile Tributary - Thornton Road 230 kV transmission line with 1351 ACSS Martin at 200°C.
Supporting Statement:	The Tributary - Thornton Road line overloads under contingency.

In-Service Year:	2031
Project Name:	**ANNISTON - CROOKED CREEK 115 KV TRANSMISSION LINE, RECONDUCTOR**
Description:	Reconductor ~28 miles of 397 30/7 ACSR at 100°C to 795 26/7 ACSR at 100°C from Golden Springs DS 115 kV to Crooked Creek TS 115 kV.
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:	2031
Project Name:	**AVERY - HOPEWELL 115 KV TRANSMISSION LINE, RECONDUCTOR**
Description:	Reconductor ~3.3 miles of the Avery - Hopewell 115 kV transmission line with 1033 ACSR conductor at 100°C. Replace substation equipment along the section of the line.
Supporting Statement:	The Avery - Hopewell 115 kV transmission line overloads under contingency.

In-Service Year:	2031
Project Name:	**BARNESVILLE AREA 115 KV, NETWORK SOLUTION**
Description:	Replace copper conductor between Forsyth 2 - Stokes Store Rd (8.2 miles) on the Lloyd Shoals - S. Griffin 115 kV transmission line, make it normally closed, and add a breaker to network. Also replace copper conductor between Stokes Store Rd - Jackson (8.7
Supporting Statement:	This project will address multiple thermal overloads that occur under normal conditions and under contingency.

In-Service Year:	2031
Project Name:	**BOWEN - BRANDON FARM RD 230 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild 0.05 miles of section on the Bowen - Pegamore 230 kV transmission line and replace limiting elements.
Supporting Statement:	The Bowen - Brandon Farm Road 230 kV transmission line overloads under contingency.

In-Service Year:	2031
Project Name:	**BOWEN #10 500/230 KV AUTOBANK, REPLACEMENT**
Description:	Replace the existing Bowen #10 500/230 kV auto transformer with a higher rated 500/230 kV auto transformer. Replace associated bus work and jumpers that are limiting elements to the new auto transformer.
Supporting Statement:	The Bowen #10 500/230 kV auto transformer overloads under contingency.

In-Service Year:	2031
Project Name:	**EAST POINT - MORROW 115 KV TRANSMISSION, REBUILD**
Description:	Rebuild a 3 mile section from East Point to College Point Tap and Morrow to Forrest Park with 1351 ACSS Martin at 200°C on the East Point - Morrow 115 kV transmission line. Also replace limiting elements at East Point and Morrow.
Supporting Statement:	The East Point - Morrow 115 kV transmission line overloads under contingency.

In-Service Year:	2031
Project Name:	**HATCH - WADLEY 500 KV TRANSMISSION LINE, STRATEGIC PROJECT**
Description:	Construct a new 500 kV transmission line from Hatch - Wadley Primary with (3) 1113 ACSR conductor at 100°C.
Supporting Statement:	The construction of the new Hatch - Wadley Primary 500 kV transmission line aims to address the increasing penetration of renewable generation plants and load growth.

In-Service Year:	2031
Project Name:	**MEAG: FORTSON - TALBOT CO #2 230 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the Fortson - Talbot County #2 230 kV transmission line with 1351 ACSS at 200°C and replace associated jumpers.
Supporting Statement:	A multiple contingency event causes the Fortson - Talbot County #2 230 kV transmission line to overload.

In-Service Year:	2031
Project Name:	**MEAG: PIO NONO 230/115 KV AREA SOLUTION**
Description:	Build a 4-breaker 230 kV ring bus to terminate lines from Dorsett, South Griffin, and Pitts. Install an auto transformer and build a 115 kV yard to terminate a line from Broadway. Make all necessary modifications to accommodate al the 230 kV and 115 kV tr
Supporting Statement:	This projects addresses 230 kV and 115 kV thermal overloads that occur under contingency in the Central area and increases area capability to move solar generation from the South into Central and Metro South areas.

In-Service Year:	2031
Project Name:	**PELL CITY AREA SOLUTION 115 KV**
Description:	Construct new Pell City SS and new ~12 mile 115 kV transmission line from Pell City SS to Jackson Shoals TS utilizing 795 26/7 ACSR at 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:	2031
Project Name:	**PITTMAN RD - WEST POINT (APC) 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild Pittman Road - West Point (APC) 115 kV transmission line with 1351 ACSS at 200°C. Replace the bus and associated jumpers at West Point #2 with higher rated buswork and jumpers.
Supporting Statement:	Pittman Road - West Point (APC) 115 kV transmission line overloads under contingency.

In-Service Year:	2031
Project Name:	**PLANT SWEATT - NEWTON 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild ~19.5 miles of 115 kV transmission line segments between EMEPA's Lost Gap tap and Newton substations with 1033 ACSR at 100°C.
Supporting Statement:	The Plant Sweatt - Newton 115 kV overloads under contingency.

In-Service Year:	2032
Project Name:	**ALBERTA CITY - HOLT 115 KV TRANSMISSION LINE, RECONDUCTOR**
Description:	Reconductor ~4 miles of the Alberta City - Holt 115 kV transmission line from 795 ACSR at 100°C to 795 ACSS at 200°C.
Supporting Statement:	Provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2032
Project Name:	**BOWEN - BRANDON FARM RD 230 KV PARALLEL TRANSMISSION LINE, CONSTRUCT**
Description:	Build a parallel 3-mile 230 kV transmission line from Bowen to Brandon Farm Road using (3) Bundled 1351 ACSR Bluejay conductor at 100°C.
Supporting Statement:	The Bowen - Pegamore 230 kV transmission line overloads under contingency

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In-Service Year:	2032
Project Name:	**GTC: DYER ROAD - S. COWETA 115 KV (MCINTOSH - S COWETA) TRANSMISSION LINE, REBUILD**
Description:	Rebuild the 3.2 mile section on the Dyer Road - South Coweta 115 kV transmission line from South Coweta to Mcintosh Trail with 1351 ACSS Martin at 200°C and replace limiting elements at South Coweta and Mcintosh Trail.
Supporting Statement:	The Dyer Road - South Coweta 115 kV transmission line overloads under contingency.

In-Service Year:	2032
Project Name:	**JUDY MOUNTAIN - ROME 115 KV TRANSMISSION LINE, RECONDUCTOR**
Description:	Reconductor the 4.9-mile Judy Mountain - Rome 115 kV transmission line with 1351 ACSS Martin at 200°C.
Supporting Statement:	The Judy Mountain - Rome 115 kV transmission line overloads under contingency

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In-Service Year:	2032
Project Name:	**MEAG: CARTERSVILLE 230 KV, LIMITING ELEMENTS REPLACEMENT**
Description:	Replace limiting elements on the Bowen - Cartersville Black and White 230 kV transmission lines.
Supporting Statement:	The Bowen - Cartersville Black and White 230 kV transmission lines overload under contingency.

In-Service Year:	2033
Project Name:	**ARKWRIGHT 115 KV, BUS AND JUMPER REPLACEMENT**
Description:	Replace the 115 kV bus at Arkwright with higher rating and replace the jumper on the Arkwright - Forrest Rd (Macon) 115 kV transmission line with 1590 AAC.
Supporting Statement:	The Arkwright - Forrest Road (Macon) 115 kV transmission line overloads under contingency.

In-Service Year:	2033
Project Name:	**BAY CREEK - CONYERS 230 KV, LIMITING ELEMENT REPLACEMENT**
Description:	Replace equipment such as jumpers, switches, and traps at the Bay Creek, Rockdale, and Conyers substations.
Supporting Statement:	Beginning in 2033, the Rockdale - Bay Creek section of the Bay Creek - Conyers 230 kV line will overload under certain contingencies.

In-Service Year:	2033
Project Name:	**GTC: CENTER PRIMARY - CLARKSBORO 230 KV TRANSMISSION LINE, REBUILD**
Description:	GTC: Rebuild the Center Primary - Clarksboro Primary 230 kV transmission line (~ 8.3 miles) with 1351 ACSS at 200°C.
Supporting Statement:	The Center Primary - Clarksboro 230 kV transmission line overloads under contingency.

In-Service Year:	2033
Project Name:	**GTC: EAST SOCIAL CIRCLE - SNELLVILLE 230 KV TRANSMISSION LINE, EQUIPMENT UPGRADE**
Description:	Replace limiting elements on the East Social Circle - Snellville 230 kV transmission line with higher rating equipment.
Supporting Statement:	Equipment on the East Social Circle - Snellville 230 kV transmission line overloads under contingency.

In-Service Year:	2033
Project Name:	**GTC: EAST WALTON - MIDDLE FORK 500 KV NEW TRANSMISSION LINE, CONSTRUCT**
Description:	Construct a new 500 kV transmission line from East Walton to Middle Fork (~45 miles). Make all necessary accommodations for new 500 kV breakers at East Walton and Middle Fork substations.
Supporting Statement:	This project addresses thermal overloads in Central and Northeast areas of GA, adds additional capacity, and improves voltage profile.

In-Service Year:	2033
Project Name:	**GTC: SHOAL CREEK - SOUTH HALL 230 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild ~7.9 miles of the Shoal Creek - South Hall 230 kV transmission line. Upgrade limiting elements on the line.
Supporting Statement:	The Shoal Creek - South Hall 230 kV transmission line overloads under contingency.

In-Service Year:	2033
Project Name:	**MCEVER ROAD - SHOAL CREEK 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild ~2.9 miles of the McEver Road - Shoal Creek 115 kV transmission line using 1351 ACSS at 200°C.
Supporting Statement:	The McEver Road - Shoal Creek 115 kV transmission line overloads under contingency.

In-Service Year:	2033
Project Name:	**MCGRAU FORD - MIDDLE FORK 500 KV PROJECT NEW TRANSMISSION LINE, CONSTRUCT**
Description:	Construct a new 500 kV transmission line from McGrau Ford to Middle Fork with (3) 1113 ACSR conductor at 100°C.
Supporting Statement:	This is a strategic project to address multiple area compliance constraints, support the load growth in north Georgia, and to transport the expected generation additions in Northeast Georgia.

In-Service Year:	2033
Project Name:	**PINE GROVE PRIMARY - WEST VALDOSTA 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild ~3.7 miles of the Pine Grove Primary - West Valdosta 115 kV transmission line with 795 ACSS Drake at 200°C.
Supporting Statement:	The Pine Grove - West Valdosta 115 kV transmission line overloads under contingency.

In-Service Year:	2033
Project Name:	**SAV: MELDRIM 230/115 KV BANK D, REPLACEMENT**
Description:	Replace Meldrim 230/115 kV auto transformer.
Supporting Statement:	Meldrim 230/115 kV auto transformer overloads under contingency.

In-Service Year:	2033
Project Name:	**WINDER PRIMARY 230 KV BUS 1-2 PARALLEL BUS-TIE, INSTALLATION**
Description:	Install a 2nd 230 kV bus - tie breaker at the Winder Primary Station.
Supporting Statement:	The Bay Creek - LGE Monroe 230 kV transmission line overloads under contingency.

In-Service Year:	2034
Project Name:	**ALEX CITY AREA SOLUTION, CONSTRUCT**
Description:	Construct new West Alex City SS 115 kV. Construct new West Dadeville TS 115 kV networking Alex City, Crooked Creek - Martin Dam No. 2 115 kV, and Thweatt. Reconductor ~4.52 miles from new West Alex City SS 115 kV to City of Alex City #3 115 kV with 795 45
Supporting Statement:	Provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2034
Project Name:	**BELLAMY - EPES 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild ~21 miles of 115 kV transmission line from Bellamy SS to Epes SS from 4/0 ACSR and 397 ACSR at 100°C to 795 ACSS at 200°C.
Supporting Statement:	The Bellamy - Epes 115 kV transmission line overloads under contingency. Also provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2034
Project Name:	**BESSEMER - EAST PELHAM 230 KV TRANSMISSION LINE, UPGRADE**
Description:	Upgrade ~14.9 miles of 230 kV transmission line from Bessemer TS to East Pelham TS from 1033 45/7 ACSR at 75°C to 100°C.
Supporting Statement:	Provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2034
Project Name:	**DEMOPOLIS TS - CEMEX 115 KV TRANSMISSION LINE, CONSTRUCT**
Description:	Construct ~1.0 mile of 115 kV transmission line from Demopolis TS to Cemex Tap with 795 ACSR at 100°C.
Supporting Statement:	Provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2034
Project Name:	**EAST POINT - MOUNTAIN VIEW 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the 3-mile section from East Point to College Park 3 Junction on the East Point - Mountain View 115 kV transmission line with 1351 ACSS Martin at 200°C.
Supporting Statement:	The East Point - Mountain View 115 kV transmission line overloads under contingency.

In-Service Year:	2034
Project Name:	**FLIPPEN 115 KV, SWITCH REPLACEMENTS**
Description:	Replace the switches at the Flippen 115 kV tap with higher rated switches.
Supporting Statement:	The switches at Flippen 115 kV tap overload under contingency.

In-Service Year:	2034
Project Name:	**GORGAS - MILLER 230 KV TRANSMISSION LINE, UPGRADE**
Description:	Upgrade ~16 miles of 230 kV transmission line from Gorgas SP to Miller SP from 1351 54/19 ACSR at 100°C to 125°C.
Supporting Statement:	The Miller - Gorgas 230 kV transmission line overloads under contingency.

In-Service Year:	2034
Project Name:	**GTC: CUMMING - DAWSON CROSSING 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild ~12.7 miles of the Cumming - Dawson Crossing 115 kV transmission line with 1351 ACSS Martin conductor at 200°C.
Supporting Statement:	The Cumming - Dawson Crossing Line115 kV transmission line overloads under contingency.

In-Service Year:	2034
Project Name:	**HOLLY SPRINGS PRIMARY - NELSON 115 KV TRANSMISISON LINE, REBUILD**
Description:	Rebuild 8.1 miles from Nelson to Cherokee WJ to North Keithsburg with 1351.0 ACSS Martin at 200°C.
Supporting Statement:	The Holly Springs Primary - Nelson 115 kV transmission line overloads under contingency.

In-Service Year:	2034
Project Name:	**MCDONOUGH - OLA 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild the 3.6-mile section from McGarity to Ola on the McDonough - Ola 115 kV transmission line with 1351 ACSS Martin at 200°C.
Supporting Statement:	The McDonough - Ola 115 kV transmission line overloads under contingency.

In-Service Year:	2034
Project Name:	**MOBILE AREA NETWORKING - 3RD PATH, CONSTRUCT**
Description:	Construct new Dawes SS at Dawes Tap on the Big Creek - N. Theodore 115 kV transmission line.
Supporting Statement:	Provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2034
Project Name:	**MOUNDVILLE SOLUTION 115 KV, CONSTRUCT**
Description:	Construct a new 6-mile, 115 kV transmission line from Moundville TS to a new 3-way switch between Colonial Pipe (Moundville) and Westervelt Co with 795 26/7 ACSS at 200°C, install a new terminal at Moundville TS, and install 1-way switch.
Supporting Statement:	Provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2034
Project Name:	**ROCKY RIDGE RADIAL 115 KV TRANSMISSION LINE, RECONDUCTOR**
Description:	Reconductor ~0.5 miles of 115 kV transmission line from Rocky Ridge Tap to Rocky Ridge DS from 4/0 ACSR at 50°C to 795 ACSR 26/7 at 100°C.
Supporting Statement:	Provides additional operational and maintenance flexibility, which increases reliability.

In-Service Year:	2035
Project Name:	**DECATUR - SCOTTDALE 115 KV TRANSMISSION LINE, JUMPER REPLACEMENT**
Description:	Replace the limiting jumper along the Decatur - Scottdale 115 kV transmission line with 1590.0 AAC Coreopsis jumper.
Supporting Statement:	The Decatur - Scottdale 115 kV transmission line overloads under contingency.

In-Service Year:	2035
Project Name:	**GTC: AVERY - HOLLY SPRINGS 115 KV TRANSMISSION LINE, REBUILD**
Description:	Rebuild 2.43 miles section of the Avery - Holly Springs 115 kV transmission line with 1351 ACSS Martin conductor at 200°C.
Supporting Statement:	The Avery - Holly Springs 115 kV transmission line overloads under contingency.

In-Service Year:	2035
Project Name:	**SAV: MELDRIM NEW 230/115 KV AUTOTRANSFORMER, INSTALL**
Description:	Install a second 230/115 kV auto transformer at Meldrim with associated station equipment.
Supporting Statement:	Meldrim 230/115 kV auto transformer overloads under contingency.

In-Service Year:	2026
Project Name:	**LOVING KY 161 KV SUBSTATION, CONSTRUCT**
Description:	Construct the Loving, KY 161 kV substation. Reconductor ~26.71 miles of 161 kV transmission line from Bowling Green to Lost City with 1351 ACSS at 140°C. Reconductor ~8.64 miles of 161 kV transmission line from Bowling Green to East Bowling Green with 135
Supporting Statement:	Additional voltage support and thermal capacity is needed in the Bowling Green area for economic development.

In-Service Year:	2026
Project Name:	**ST. ELMO KY 161 KV SUBSTATION, CONSTRUCT**
Description:	Construct the St. Elmo KY 161 kV substation and loop in the Casky - Edgoten 161 kV and the Paradise - Clarksville 161 kV transmission lines.
Supporting Statement:	Voltage support and additional capacity is needed for economic development in the area.

In-Service Year:	2027
Project Name:	**BULL RUN 500 KV SYNCHRONOUS CONDENSER, INSTALL**
Description:	Install breaker, switches, relaying, and metering to support synchronous condensing units at Bull Run 500 kV.
Supporting Statement:	Voltage support and additional capacity is needed for economic development in the area.

In-Service Year:	2027
Project Name:	**TRINITY 161 KV CAPACITOR BANK, REPLACEMENT**
Description:	Replace failed Trinity capacitor bank.
Supporting Statement:	Trinity 161 kV capacitor bank has failed and needs to be replaced.

In-Service Year:	2028
Project Name:	**CLINTON - MARTIN 161 KV, RECONDUCTOR**
Description:	Reconductor the Clinton - Martin 161 kV transmission line.
Supporting Statement:	Clinton - Martin was originally constructed in 1952. The original conductor is near end of life. Planning has identified a potential future overload.

In-Service Year:	2028
Project Name:	**DYERSBURG - HIGHWAY 412 161 KV, RECONDUCTOR**
Description:	Reconductor the Dyersburg - Highway 412 161 kV transmission line.
Supporting Statement:	The conductor on L5930 was installed in 1947 and is reaching end of useful life. TPS Planning has also identified potential future overloads.

In-Service Year:	2026
Project Name:	**BRADLEY 500 KV SWITCH HOUSE, CONSTRUCT**
Description:	Construct a new 500 kV switch house.
Supporting Statement:	Additional thermal capacity and voltage support is needed in the Bradley County, TN area under contingency.

In-Service Year:	2026
Project Name:	**CUMBERLAND COMBINED CYCLE GENERATION INTERCONNECTION CC1 AND CC2**
Description:	Construct new 500 kV station to interconnect new natural gas fired CC generation. Loop in two nearby 500 kV transmission lines.
Supporting Statement:	Scope is driven by the interconnection of new generation. This is Q483 in TVA's Interconnection Queue which is publicly available on TVA's OASIS.

In-Service Year:	2026
Project Name:	**NEW CALEDONIA GAS**
Description:	Rebuild 11.54 miles and reconductor 0.23 miles of the Clay - Prairie 161 kV transmission line. Rebuild 4.61 miles of the Prairie - Egypt MS 161 kV transmission line. Reconductor 9.36 miles of the Egypt - Okolona 161 kV transmission line and bus and jumper
Supporting Statement:	New Caledonia CT is adding 520 MW summer (610 MW winter) at the Lowndes 161 kV bus. Plant causes thermal overload on Clay to Okolona 161 kV transmission line.

In-Service Year:	2027
Project Name:	**BROWNSVILLE 161 KV AREA CAPACITOR BANK**
Description:	BEA requests additional capacity for committed and perspective loads within their service territory. When the feed from Covington is lost, low voltages are seen at Brownsville 161 kV which limiters their capacity to 20 MW.
Supporting Statement:	Voltage support and additional capacity is needed for economic development in the area.

In-Service Year:	2027
Project Name:	**CORDOVA - YUM YUM 161 KV TRANSMISSION LINE, RECONDUCTOR**
Description:	Reconductor ~23.5 miles of the Cordova - Yum Yum 161 kV transmission line section with TS - 1098.6 kcmil Ruddy, sag temp 180°C.
Supporting Statement:	Additional thermal capacity is needed for economic development in the Memphis, TN area.

In-Service Year:	2027
Project Name:	**HILLSBORO SOLAR GENERATION INTERCONNECTION**
Description:	Construct new 161 kV station to interconnect new solar generation. Loop in an existing 161 kV transmission line to the new station. Reconductor an existing 161 kV transmission line.
Supporting Statement:	Scope is driven by the interconnection of new generation. This is Q385 in TVA's Interconnection Queue which is publicly available on TVA's OASIS.

In-Service Year:	2027
Project Name:	**KINGSTON CC AND AERODERIVATIVE CT GENERATION INTERCONNECTION**
Description:	Construct new 161 kV station to interconnect new natural gas fired CC and Aeroderivative generation. Loop in area 161 kV transmission lines. Upgrade fifteen existing 161 kV transmission lines to increase the thermal rating of each.
Supporting Statement:	Scope is driven by the interconnection of new generation. This is Q489 in TVA's Interconnection Queue which is publicly available on TVA's OASIS.

In-Service Year:	2027
Project Name:	**LAWRENCE COUNTY SOLAR GENERATION INTERCONNECTION**
Description:	Construct new 161 kV station to interconnect new solar generation. Loop in an existing 161 kV transmission line to the new station.
Supporting Statement:	Scope is driven by the interconnection of new generation. This is Q405 in TVA's Interconnection Queue which is publicly available on TVA's OASIS.

In-Service Year:	2027
Project Name:	**NORMANDY LAKE TULLAHOMA SOLAR GENERATION INTERCONNECTION**
Description:	Construct new 161 kV station to interconnect new solar generation. Loop in an existing 161 kV transmission line to the new station.
Supporting Statement:	Scope is driven by the interconnection of new generation. This is Q445 in TVA's Interconnection Queue which is publicly available on TVA's OASIS.

In-Service Year:	2027
Project Name:	**NORTH OAKLAND - COFFEEVILLE 161 KV TRANSMISSION LINE, CONSTRUCT**
Description:	Construct ~18.0 miles of new 161 kV transmission line from North Oakland - Coffeeville using 954 ACSR at 100°C and upgrade terminal equipment at Batesville 161 kV substation.
Supporting Statement:	Multiple 161 kV transmission lines overload under contingency.

In-Service Year:	2027
Project Name:	**PHILADELPHIA 161 KV REACTORS, INSTALL**
Description:	Install three reactors at the Philadelphia 161 kV Substation.
Supporting Statement:	Voltage support is needed in TVA's Mississippi area under contingency.

In-Service Year:	2027
Project Name:	**TRIFECTA SOLAR**
Description:	Reconductor Sturgis - Bluefield MS 161 kV transmission line (10.6 miles). Replace jumper and switch at Sturgis.
Supporting Statement:	Trifect Solar adds 68.4 MW of solar to the area causing overloads on the Sturgis - Bluefield 161 kV transmission line.

In-Service Year:	2028
Project Name:	**DAVIDSON 500 KV SWITCH HOUSE, CONSTRUCT**
Description:	Construct a new 500 kV switch house with all new assets and replace aging assets in the Davidson Yard.
Supporting Statement:	Additional thermal capacity and voltage support is needed in the Davidson County, TN area under contingency.

In-Service Year:	2028
Project Name:	**GUNTERSVILLE - KETONA TRANSMISSION LINE, REBUILD**
Description:	Rebuild portions of the TVA Guntersville Hydro - AL Power Ketona 115 KV transmission line with single circuit 954k ACSR at 100°C.
Supporting Statement:	Additional thermal capacity is needed in area under contingency.

In-Service Year:	2028
Project Name:	**HORUS SOLAR GENERATION INTERCONNECTION**
Description:	Connect new generation via a new line tap on the Franklin - Portland 161 kV transmission line.
Supporting Statement:	Scope is driven by the interconnection of new generation. This is Q388 in TVA's Interconnection Queue which is publicly available on TVA's OASIS.

In-Service Year:	2028
Project Name:	**MIDWAY - S MACON - DEKALB 161 KV TRANSMISSION LINE, CONSTRUCT**
Description:	Construct ~20 miles of new 161 kV transmission line from Midway to S Macon and ~31.3 miles of 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:	**SPRING VALLEY SOLAR GENERATION INTERCONNECTION**
Description:	Construct new 161 kV station to interconnect new solar generation. Loop in an existing 161 kV transmission line to the new station. Reconductor an existing 161 kV transmission line.
Supporting Statement:	Scope is driven by the interconnection of new generation. This is Q387 in TVA's Interconnection Queue which is publicly available on TVA's OASIS.

In-Service Year:	2029
Project Name:	**APALACHIA AREA IMPROVEMENT PLAN**
Description:	Construct Martin's Creek 161 kV substation. Construct ~25 miles of new transmission line from Apalachia 161 kV substation to Ranger 161 kV switching station.
Supporting Statement:	The Apalachia - Basin 161 kV transmission line overloads under contingency.

In-Service Year:	2029
Project Name:	**DICKSON 161 KV AREA IMPROVEMENT**
Description:	Construct new Locust Creek 161 kV substation. Construct ~9.5 miles of new 161 kV transmission line from Bon Aqua to Burns. Rebuild ~8 miles of 161 kV transmission line between Dickson and Ponoma tap. Build a new switch house at Dickson.
Supporting Statement:	Voltage support is needed in the Dickson, TN area under contingency.

In-Service Year:	2029
Project Name:	**LIMESTONE - SEWELL 161 KV #2 TRANSMISSION LINE, CONSTRUCT**
Description:	Construct ~2.1 miles of 161 kV transmission line with 2034 ACSR at 100°C on the existing Limestone - Sewell 161 kV double circuit towers and add breakers to the 161 kV switchyard to make a double breakered 161 kV station.
Supporting Statement:	Additional thermal capacity and voltage support is needed in the Huntsville, AL area under contingency.

In-Service Year:	2029
Project Name:	**RADNOR 161 KV STATCOM, INSTALL**
Description:	With the Nashville Area continuing to rapidly grow, along with spinning generation being replace by inverter bases resources, Planning sees stability concerns in the Nashville area. STATCOMs will help mitigate the issues seen in the area.
Supporting Statement:	Dynamic voltage support is needed in the Nashville area.

In-Service Year:	2029
Project Name:	**RESERVATION - WHEELER 161 KV, RECONDUCTOR**
Description:	Reservation - Wheeler (L5123) was originally constructed in 1940. The original conductor is beyond useful life and should be replaced.
Supporting Statement:	Reservation - Wheeler (L5123) was originally constructed in 1940. The original conductor is beyond useful life and should be replaced.

In-Service Year:	2030
Project Name:	**HAMPTON 500 KV STATION, CONSTRUCT**
Description:	Construct new 500/161 kV Hampton station. Loop in existing Montgomery - Wilson 500 kV transmission line (~0.1 mile from station to loop point). Loop in existing double circuit 161 kV from Montgomery to Hemlock.
Supporting Statement:	Additional thermal capacity and voltage support is needed in the Montgomery County, TN and Todd County, KY area under contingency.

In-Service Year:	2030
Project Name:	**WHEELER 161 KV SWITCHYARD, RELOCATION**
Description:	Build a new switchyard, Doublehead, to replace Wheeler HP 161 kV switchyard.
Supporting Statement:	A geological survey was conducted to investigate subsurface conditions within the Wheeler 161 kV switchyard. Flaws within the subgrade in the switchyard were discovered. The soil/rockfill above the bedrock (~ 10-20 ft thickness) is very soft throughout th

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In-Service Year:	2031
Project Name:	**SEQUOYAH 500 KV SWITCH HOUSE, CONSTRUCT**
Description:	Construct a new 500 kV switch house with new assets including breakers at the Sequoyah 500 kV substation.
Supporting Statement:	New revision of the TPL expands the single point of failure which results in violations at Sequoyah.
