



CTPC 2025 Collaborative Transmission Plan Update

August 2026

Following is the mid-year update to the CTPC 2025 Collaborative Transmission Plan. The status and timing of all projects presented in the Plan have been reviewed and the update reflects all changes (shown in red) that have been identified. In-service dates were adjusted to either June 1 or December 1 to reflect the peak season by which the project will be in service, and to avoid the need for minor in-service date adjustments in the future. Where applicable, the actual in-service date was used. In addition, all cost projections have been reviewed and updated to reflect current estimates.

The total cost estimate of the 2025 Plan Reliability Projects changed from \$1.8826 billion to \$1.8114 billion. The total cost estimate of the 2025 Plan Public Policy Projects changed from \$776 million to \$745 million. The total cost estimate of the 2025 Plan Multi-Value Strategic Transmission Projects that were listed as Planned and approved by the OSC changed from \$215.3 million to \$263 million. Costs above \$5 million are rounded to the nearest \$1 million. Costs below \$5 million are rounded to the nearest \$100 thousand. Projects that were reported in-service in the 2025 plan were not updated in the MYU and are not factored into the MYU costs. The key differences between the original plan and this updated plan are summarized below:



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Changes in Reliability Upgrades

Project ID	Project	Cost Change (\$M)	EISD Change (Months)	Reason For Change
DEC				
CTPCDEC01	Beulah 100 kV Line (Lookout-EnergyUnited Del 18), Upgrade	-2		Update to projections
CTPCDEC02	Harley 100 kV Line (Tiger-Campobello), Upgrade			Moved to MVST
W170306	North Greenville 230 kV Tie Station, Upgrade	+1	Delayed 6 months	Update to projections
W180359	States CTCC Bus Line 4, Construct	+9	Advanced 6 months	Project status changed to Underway
W190390	Gastonia # 2 44 kV Line, Rebuild Clover 44 kV line to double circuit and add a new tap off the Gastonia #2 Line			Project status changed to Underway
W200010	Cherokee 100 kV Line (Peach Valley-Enola Retail), Upgrade	-1	See "Reason for change"	Project status changed to In-Service
W200030	Wylie 100 kV Line (Wylie-Arrowood Retail), Upgrade	-1	Delayed 6 months	Update to projections
W200031	Monroe 100 kV Line (Lancaster-Monroe), Upgrade	-2		Update to projections
W200034	Panther 100 kV Lines (Parkwood Tie-E Durham Tie), Upgrade and Network to E Durham Tie		Delayed 18 months	Project status changed to Underway
W200039	Coronaca 100 kV Line (Coronaca-Creto), Upgrade and Construct	-2	See "Reason for change"	Project status changed to In-Service
W200042	Sevier 100 kV Line (East Greenville-Verdae Retail Tap), Upgrade	+3		Update to projections
W200061	Page and Guilford 100 kV Lines (Greensboro-North Greensboro), Upgrade	-1		Update to projections
W200120	Dairyhill 100 kV Line (Shelby-CUSTOMER Tap), Upgrade	+12	Delayed 12 months	Project status changed to Underway
W200148	Pinewood 100 kV Line (Lawsons Fork-Una Retail), Upgrade	+3		Update to projections
W200149	Reidsville and Wolf Creek 100 kV Lines (Dan River-Sadler), Upgrade	+18	Advanced 30 months	Update to projections
W200150	Troutman 44 kV Line, Upgrade and Partial conversion to 100 kV [Modification to Project ID 0110 in 2023 Plan - Additional Scope]		Delayed 6 months	Update to projections
W200162	Dan River 100 kV Line (Dan River-North Greensboro), Upgrade	-4	Advanced 54 months	Update to projections
W200168	Steam 100 kV Line (Dan River CC-Dan River Steam), Rebuild		Advanced 60 months	Update to projections
W200170	Lakewood 100 kV Line (Lakewood-Remount Road Retail), Reconductor	+15	Delayed 12 months	Project status changed to Underway



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Project ID	Project	Cost Change (\$M)	EISD Change (Months)	Reason For Change
W200172	Morning Star 230 kV Tie Station, Upgrade	+25	Advanced 6 months	Update to projections
W200187	Harrisburg 230/100/44 kV Tie Station, Upgrade			Project status changed to Underway
W200262	Sandy Ridge 230 kV Line (Newport-Morning Star), Upgrade	+32		Update to projections
W200413	Tiger Tie Autotransformer #5 (230/100 kV) Upgrade	-1		Project status changed to Underway
W200582	Bethania and Shattalon 100 kV Lines (Rural Hall-Shattalon), Upgrade		Advanced 60 months	Update to projections
W200590	Crab Orchard 100 kV Line (Harrisburg-Amity), Upgrade		Advanced 48 months	Update to projections
W200599	Davidson River 100 kV Line (North Greenville-Marietta), Upgrade	-3		Project status changed to Underway
W210192	Earl 100 kV Line (Customer Tap-Customer Tap), Upgrade		Advanced 2 months	Project status changed to In-Service
W210482	Madison Tie, Upgrade, add 100/44 kV Transformer	-2.4		Duplicate project removed
W220053	Shattalon Switching Station, RAS (Grid Enhancing Technology) to Avoid Overload on Bethania and Shattalon 100 kV Lines		Delayed 42 months	Update to projections
W220209	Lyle Creek Switching Station, Construct	+1	Delayed 42 months	Update to projections
W220367	Boyd Switching Station, Construct	+14	Delayed 48 months	Update to projections
W220368	Haas Creek Switching Station, Construct	+6	Delayed 54 months	Update to projections
W220474	Batte 100 kV Line (Concord-Winecoff), Reconductor	+7		Project status changed to Underway
W220506	Upgrade Switches at Oakvale Tie			Project status changed to Underway
W220507	Cabarrus 100 kV Line (Wildcat-Westfork), Upgrade			Project status changed to Underway
W220539	Batte 100 kV Line, RAS (Grid Enhancing Technology) to Avoid Overloads on Batte Lines		Delayed 6 months	Update to projections
W220543	Delta 100 kV Line (Research Triangle Retail-Ellis Rd Retail), Reconductor		Delayed 6 months	Project status changed to Underway
W220559	Concord 100 kV Line (Concord-Concord City Del 3), Upgrade	+8	Advanced 6 months	Update to projections
W230087	Kennedy 100 kV Line (Orchard-Newton Tap), Upgrade		Advanced 30 months	Update to projections
W230093	Woodlawn 230/100/44 kV Tie Station, Upgrade Add 44 kV Breaker	-1.7		Project cancelled
W230145	Hands Mill Switching Station, Construct	-2		Update to projections
W230158	Nanny Mountain 1 44 kV Line, Upgrade and Partial Conversion to 100 kV	+3	Delayed 6 months	Update to projections



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Project ID	Project	Cost Change (\$M)	EISD Change (Months)	Reason For Change
W230245	Messer 230 kV Line (Dixon School Rd-Customer), Construct			Project status changed to Planned
W230276	Shelby 230/100/44 kV Tie, Upgrade	-1		Update to projections
W230368	Mooreville Tie, RAS (Grid Enhancing Technology) to Avoid Overloads on Timber and Sherrill 100 kV Lines		See "Reason for change"	Project status changed to In-Service
W230387	E Durham 230/100 kV Tie, Construct Panther Line Terminals			Project combined with W200034
W230402	Ashe St 100 kV Line (Durham-Ashe St), Upgrade			Project status changed to Underway
W240008	Pinewood 100 kV Line, RAS (Grid Enhancing Technology) to Avoid Overloads on Pinewood Lines	-2.5		Project cancelled
W240278	Central 230/100/44 kV Tie, Upgrade, Add Redundant Relaying	-0.9		Project cancelled
W250207	Cliffside 100 kV Lines - Rebuild lines between Cliffside 5 and Customer Tap with 1158 ACSS/TW		Delayed 6 months	Update to projections
W250214	Rebuild the Cherokee Lines between AZP Tap and Chesnee Tie with 1158 ACSS/TW	+11	Delayed 18 months	Update to projections
W250223	Switzer 44 kV Line - Rebuild between structures 48 and 139.5 with 477 ACSS/TW. Includes adding a 100 kV Circuit	+12		Update to projections
DEP				
E220378	Durham – RTP 230 kV Line, Reconductor	-7	See "Reason for change"	Project status changed to Underway
E190052	Jacksonville 230 kV, Upgrade CT Ratio for Jacksonville City 115 kV East Line and Add Second 115 kV Bus Tie Breaker		Advanced 5 months	Project status changed to In-Service
E190092	Greenville - VEPCO Everetts 230 kV Line, Reconductor	-19		Update to projections
E200161	Castle Hayne–Folkstone 115 kV Line, Rebuild	-3		Update to projections
E210073	Carthage (Hill Crest) 230/115 kV Substation, Construct	-1	See "Reason for change"	Project status changed to In-Service
E210078	Fayetteville 230/115 kV Bank #1, Upgrade 115 kV Disconnect Switches, Wave Traps, and CT Ratios	-1	See "Reason for change"	Project status changed to In-Service
E210145	Holly Ridge North 115 kV Switching Station, Construct	-3	Advanced 48 months	Update to projections
E210150	Havelock 230 kV Substation, Upgrade Ancillary Equipment		Delayed 30 months	Update to projections
E220112	Asheville Plant – Oteen 115 kV West Line (Arden), Construct	+2	See "Reason for change"	Project status changed to In-Service
E230041	Richmond 500/230 kV Banks #1 & #2, Upgrade CT Ratios		See "Reason for change"	Project status changed to In-Service



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Project ID	Project	Cost Change (\$M)	EISD Change (Months)	Reason For Change
E230059	Sumter – SCEG Eastover 115 kV Line (Kings Hwy – Shaw Field – Eastover), Reconductor	-2		Update to projections
E230061	Henderson 230/115 kV Banks #1 & #2, Upgrade CT Ratios and Relay Settings		See "Reason for change"	Project status changed to In-Service
E240135	Sumter - SCEG Eastover 115 kV Line (Gold Kist Tap-Kings Hwy Section), Reconductor	-1		Update to projections
E240188	Brunswick 2 - Delco 230 kV West Line (Brunswick 2 – BEMC Southport), Raise Section			Project status changed to Underway
E240238	Henderson – DVP Kerr Dam 115 kV line, Upgrade the wave trap, CT ratio, and relay settings at Henderson 230 to at least 1294 A.	+4	Advanced 6 months	Project status changed to Planned
E240289	Brunswick 1 - Barnard Creek 230 kV line, Upgrade OOS relays, CT ratios, line trap, and line switches to allow use of 2806 A line conductor 32F CW rating		Delayed 24 months	Update to projections
E240296	Brunswick 2 - Town Creek 230 kV line, Upgrade OOS relay to at least 2000 A, preferably 3000 A		Advanced 6 months	Project status changed to Planned
E240331	Wake-Zebulon 230 kV line, Upgrade CT ratios and relay settings at Wake, upgrade line switch 42-1, and upgrade CT ratios and relay settings at Zebulon 230, all to 3000 A		Advanced 6 months	Update to projections
E250027	Method-DPC East Durham 230 kV line upgrade line switches and terminal equipment at both ends to allow full line conductor 2546 A cold winter rating		Delayed 12 months	Project status changed to Planned

Changes in Public Policy Upgrades

Project ID	Project	Cost Change (\$M)	EISD Change (Months)	Reason For Change
DEC				
W200169	Piedmont 100 kV Line (Lee-Shady Grove), Upgrade	-2		Update to projections
W220122	Clinton 100 kV Line (Bush River-Laurens), Upgrade	+2		Update to projections
W220124	Newberry 115 kV Line (Bush River-DESC), Upgrade		See "Reason for change"	Project status changed to In-Service
W230029	Broadway B/W 100 kV Line (Belton-Lee), Upgrade	-2	Delayed 6 months	Update to projections



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Project ID	Project	Cost Change (\$M)	EISD Change (Months)	Reason For Change
W230066	Bush River Tie 115/100 kV, Upgrade		Delayed 6 months	Update to projections
W230323	Lilesville – Oakboro 230 kV Black & White Lines, Rebuild		Delayed 6 months	Update to projections
W240161	Champion B/W 100 kV Line (Bush River-Newberry PV), Upgrade	-1	Advanced 6 months	Update to projections
DEP				
E220082	Cape Fear – West End 230 kV Line, Rebuild	-1	See "Reason for change"	Project status changed to In-Service
E220083	Erwin – Fayetteville East 230 kV Line, Rebuild	-2	See "Reason for change"	Project status changed to In-Service
E220086	Milburnie 230 kV Substation, Upgrade		See "Reason for change"	Project status changed to In-Service
E220087	Fayetteville-Fayetteville Dupont 115 kV Line, Rebuild 4.9-mile section	-2	See "Reason for change"	Project status changed to In-Service
E220088	Robinson Plant-Rockingham 230 kV Line, Rebuild	-1	See "Reason for change"	Project status changed to In-Service
E220093	Camden Junction-Wateree 115 kV Line, Rebuild		See "Reason for change"	Project status changed to In-Service
E220219	Robinson Plant-Rockingham 115 kV Line, Rebuild	-11		Project status changed to Underway
E230122	Clayton Industrial - Selma 115 kV Line, Rebuild	-2		Update to projections
E230124	Lilesville - Oakboro 230 kV Black & White lines, Rebuild	-7		Project status changed to Underway
E240038	Lee - Milburnie 230 kV Line; Rebuild	-2		Update to projections

Changes in Multi-Value Strategic Transmission Upgrades

Project ID	Project	Cost Change (\$M)	EISD Change (Months)	Reason For Change
DEC				
W250215	Cliffside 500/230 kV Transformer	+48	Advanced 14 months	Updates to projections
MVSTDEC01	Harley Hogback - Rebuilds		See “Reason for change”	Date aligned with MVST Need
DEP				
DEC/DEP				



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Cost Change Summary

Type of Upgrade	Cost Change (\$M)	Change Summary
Base Reliability	-71.2	Decreased from \$1.8826 B to \$1.8114 B
Public Policy	-31	Decreased from \$776 M to \$745 M
Multi-Value Strategic Transmission	+47.7	Increased from \$215.3 M to \$263 M
Total	-54.5	Decreased from \$2.8739 B to \$2.8194 B



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Reliability Upgrades

2025 Collaborative Transmission Plan – Reliability Projects						
Items identified in red are changes from the previous report.						
Project ID	Reliability Project	Issue Resolved	Status ¹	Transmission Owner	Estimated In-Service Date	Estimated Cost (\$M) ²
DEC						
CTPCDEC01	Beulah 100 kV Line (Lookout-EnergyUnited Del 18), Upgrade	Mitigate contingency loading	Conceptual	DEC	TBD	18
CTPCDEC02	Harley 100 kV Line (Tiger-Campobello), Upgrade	Mitigate contingency loading	Removed	DEC		
CTPCDEC03	Correct Clearance Issues on the Clear Creek Lines to increase the line's rating	Mitigate contingency loading	Conceptual	DEC	TBD	2
CTPCDEC04	Replace Ancillary Equipment on the Glen Springs line to increase the Line's Ratings	Mitigate contingency loading	Conceptual	DEC	TBD	2
CTPCDEC05	Add capacitor banks at Lake Emory	Mitigate contingency voltage issues	Conceptual	DEC	TBD	10
W170306	North Greenville 230 kV Tie Station, Upgrade	Mitigate contingency loading	Underway	DEC	6/1/2029	33
W180359	States CTCC Bus Line 4, Construct	Mitigate contingency loading	Underway	DEC	12/1/2028	15
W190390	Gastonia # 2 44 kV Line, Rebuild Clover 44 kV line to double circuit and add a new tap off the Gastonia #2 Line	Mitigate contingency loading	Underway	DEC	6/1/2032	2.3
W200010	Cherokee 100 kV Line (Peach Valley-Enola Retail), Upgrade	Mitigate contingency loading	In-Service	DEC	6/25/2026	8
W200030	Wylie 100 kV Line (Wylie-Arrowood Retail), Upgrade	Mitigate contingency loading	Underway	DEC	12/1/2026	14
W200031	Monroe 100 kV Line (Lancaster-Monroe), Upgrade	Mitigate contingency loading	Underway	DEC	6/1/2027	62
W200034	Panther 100 kV Lines (Parkwood Tie-E Durham Tie), Upgrade and Network to E Durham Tie	Mitigate contingency loading	Underway	DEC	12/1/2030	41
W200039	Coronaca 100 kV Line (Coronaca-Creto), Upgrade and Construct	Mitigate contingency loading	In-Service	DEC	7/27/2026	29
W200042	Sevier 100 kV Line (East Greenville-Verdae Retail Tap), Upgrade	Mitigate contingency loading	Underway	DEC	6/1/2027	20
W200061	Page and Guilford 100 kV Lines (Greensboro-North Greensboro), Upgrade	Mitigate contingency loading	Underway	DEC	12/1/2028	25
W200116	Hodges 230/100/44 kV Tie, Upgrade	Mitigate contingency loading	Planned	DEC	12/1/2029	40
W200120	Dairyhill 100 kV Line (Shelby-CUSTOMER Tap), Upgrade	Mitigate contingency loading	Underway	DEC	12/1/2029	20
W200144	Oak Hollow Switching Station, Construct	Mitigate contingency loading	Planned	DEC	6/1/2033	6
W200146	Swepsonville 100 kV Line (Mebane-Trollingwood Retail), Rebuild	Mitigate contingency loading	Planned	DEC	12/1/2032	3.3



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2025 Collaborative Transmission Plan – Reliability Projects						
Items identified in red are changes from the previous report.						
Project ID	Reliability Project	Issue Resolved	Status ¹	Transmission Owner	Estimated In-Service Date	Estimated Cost (\$M) ²
W200148	Pinewood 100 kV Line (Lawsons Fork-Una Retail), Upgrade	Mitigate contingency loading	Underway	DEC	6/1/2028	27
W200149	Reidsville and Wolf Creek 100 kV Lines (Dan River-Sadler), Upgrade	Mitigate contingency loading	Planned	DEC	12/1/2030	54
W200150	Troutman 44 kV Line, Upgrade and Partial conversion to 100 kV [Modification to Project ID 0110 in 2023 Plan - Additional Scope]	Mitigate non-contingency loading	Underway	DEC	12/1/2030	60
W200162	Dan River 100 kV Line (Dan River-North Greensboro), Upgrade	Mitigate contingency loading	Planned	DEC	6/1/2029	78
W200168	Steam 100 kV Line (Dan River CC-Dan River Steam), Rebuild	Mitigate contingency loading	Planned	DEC	6/1/2029	1
W200170	Lakewood 100 kV Line (Lakewood-Remount Road Retail), Reconductor	Mitigate contingency loading	Underway	DEC	12/1/2028	23
W200172	Morning Star 230 kV Tie Station, Upgrade	Mitigate contingency loading	Underway	DEC	6/1/2030	95
W200173	Terrell 44 kV Line, Conversion	Mitigate contingency loading and voltage issues	Planned	DEC	6/1/2035	25
W200187	Harrisburg 230/100/44 kV Tie Station, Upgrade	Mitigate contingency loading	Underway	DEC	6/1/2028	20
W200262	Sandy Ridge 230 kV Line (Newport-Morning Star), Upgrade	Mitigate contingency loading	Underway	DEC	6/1/2033	82
W200412	Skybrook 100 kV Line (Winecoff-Eastfield Retail), Upgrade	Mitigate contingency loading	Planned	DEC	12/1/2028	15
W200413	Tiger Tie Autotransformer #5 (230/100 kV) Upgrade	Mitigate contingency loading	Underway	DEC	6/1/2028	23
W200425	Marshall 230 kV Line (Marshall-Beckerdite), Raise individual towers	Mitigate contingency loading	Planned	DEC	6/1/2033	0.2
W200582	Bethania and Shattalon 100 kV Lines (Rural Hall-Shattalon), Upgrade	Mitigate contingency loading	Planned	DEC	6/1/2029	14
W200588	Ferrell White 100 kV Line, Construct	Mitigate contingency loading	Planned	DEC	6/1/2032	0.6
W200590	Crab Orchard 100 kV Line (Harrisburg-Amity), Upgrade	Mitigate contingency loading	Planned	DEC	6/1/2029	14
W200592	Crest St 100 kV Lines, Raise individual towers	Mitigate contingency loading	Planned	DEC	12/1/2031	1.9
W200595	Westport 230 kV Line (McGuire-Marshall), Upgrade	Mitigate contingency loading	Planned	DEC	6/1/2033	42
W200599	Davidson River 100 kV Line (North Greenville-Marietta), Upgrade	Mitigate contingency loading	Underway	DEC	12/1/2028	55
W210192	Earl 100 kV Line (Customer Tap-Customer Tap), Upgrade	Mitigate contingency loading	In-Service	DEC	3/31/2026	9
W210482	Madison Tie, Upgrade, add 100/44 kV Transformer	Mitigate contingency loading	Planned	DEC	6/1/2034	2.4
W220053	Shattalon Switching Station, RAS (Grid Enhancing Technology) to Avoid Overload on Bethania and Shattalon 100 kV Lines	Mitigate contingency loading	Underway	DEC	6/1/2030	1
W220209	Lyle Creek Switching Station, Construct	Required to serve new Customer	Underway	DEC	12/1/2029	75



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2025 Collaborative Transmission Plan – Reliability Projects						
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Project ID	Reliability Project	Issue Resolved	Status ¹	Transmission Owner	Estimated In-Service Date	Estimated Cost (\$M) ²
W220367	Boyd Switching Station, Construct	Required to serve new Customer	Underway	DEC	6/1/2030	88
W220368	Haas Creek Switching Station, Construct	Required to serve new Customer	Underway	DEC	12/1/2030	70
W220474	Batte 100 kV Line (Concord-Winecoff), Reconductor	Mitigate contingency loading	Underway	DEC	6/1/2028	13
W220506	Upgrade Switches at Oakvale Tie	Mitigate contingency loading	Underway	DEC	6/1/2027	0.8
W220507	Cabarrus 100 kV Line (Wildcat-Westfork), Upgrade	Mitigate contingency loading	Underway	DEC	12/1/2027	14
W220539	Batte 100 kV Line, RAS (Grid Enhancing Technology) to Avoid Overloads on Batte Lines	Mitigate contingency loading	Underway	DEC	12/1/2026	1.9
W220543	Delta 100 kV Line (Research Triangle Retail-Ellis Rd Retail), Reconductor	Mitigate contingency loading	Underway	DEC	12/1/2028	11
W220559	Concord 100 kV Line (Concord-Concord City Del 3), Upgrade	Mitigate contingency loading	Underway	DEC	12/1/2027	21
W230087	Kennedy 100 kV Line (Orchard-Newton Tap), Upgrade	Mitigate contingency loading	Planned	DEC	6/1/2029	6
W230093	Woodlawn 230/100/44 kV Tie Station, Upgrade Add 44 kV Breaker	Mitigate contingency loading	Removed	DEC		
W230145	Hands Mill Switching Station, Construct	Required to serve new Customer	Underway	DEC	12/1/2026	61
W230158	Nanny Mountain 1 44 kV Line, Upgrade and Partial Conversion to 100 kV	Mitigate contingency loading and voltage issues	Planned	DEC	12/1/2026	7
W230245	Messer 230 kV Line (Dixon School Rd-Customer), Construct	Required to serve new Customer	Planned	DEC	6/1/2033	30
W230276	Shelby 230/100/44 kV Tie, Upgrade	Mitigate contingency loading	Underway	DEC	6/1/2028	22
W230358	Hinkle 100 kV Line (Stamey-Statesville), Upgrade	Mitigate contingency loading	Planned	DEC	6/1/2033	7
W230368	Mooresville Tie, RAS (Grid Enhancing Technology) to Avoid Overloads on Timber and Sherrill 100 kV Lines	Mitigate contingency loading	In-Service	DEC	5/7/2026	0.3
W230384	Oliver 230 kV Line (Marshall-Boyd), Upgrade	Mitigate contingency loading	Planned	DEC	6/1/2033	16
W230387	E Durham 230/100 kV Tie, Construct Panther Line Terminals	Mitigate contingency loading	Removed	DEC		



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2025 Collaborative Transmission Plan – Reliability Projects						
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Project ID	Reliability Project	Issue Resolved	Status ¹	Transmission Owner	Estimated In-Service Date	Estimated Cost (\$M) ²
W230389	Sycamore B/W 100 kV (Longview-Lyle Creek), Upgrade and Network	Mitigate contingency loading	Planned	DEC	6/1/2037	15
W230402	Ashe St 100 kV Line (Durham-Ashe St), Upgrade	Mitigate contingency loading	Underway	DEC	12/1/2028	10
W230456	Lawsons Fork Tie Series 100 kV BJB	Mitigate contingency loading	Planned	DEC	6/1/2030	0.8
W240008	Pinewood 100 kV Line, RAS (Grid Enhancing Technology) to Avoid Overloads on Pinewood Lines	Mitigate contingency loading	Removed	DEC		
W240278	Central 230/100/44 kV Tie, Upgrade, Add Redundant Relaying	Mitigate contingency loading	Removed	DEC		
W250072	Taylor's 100 kV Line - Rebuild between Tiger Tie and Customer Station with 795 ACSS/TW	Mitigate contingency loading	Planned	DEC	6/1/2029	1.8
W250207	Cliffside 100 kV Lines - Rebuild lines between Cliffside 5 and Customer Tap with 1158 ACSS/TW	Mitigate contingency loading	Planned	DEC	6/1/2030	29
W250212	Duncan 100 kV Lines - Rebuild lines between Cliffside 5 and Inman Tie with 1158 ACSS/TW	Mitigate contingency loading	Planned	DEC	12/1/2028	3.9
W250214	Rebuild the Cherokee Lines between AZP Tap and Chesnee Tie with 1158 ACSS/TW	Mitigate contingency loading	Planned	DEC	6/1/2030	17
W250223	Switzer 44 kV Line - Rebuild between structures 48 and 139.5 with 477 ACSS/TW. Includes adding a 100 kV Circuit	Required to serve new Customer	Planned	DEC	12/1/2028	14
W250281	Lemley 100 kV BI & Wh Lines 3 span clearance fix and AEU includes D-Line Work	Mitigate contingency loading	Planned	DEC	6/1/2033	7
W250285	Add breakers at Campobello Tie	Mitigate contingency loading	Planned	DEC	6/1/2032	0.7
W250312	Shelby Tie - Replace Bank 4	Mitigate contingency loading	Planned	DEC	6/1/2033	8
DEP						
E220378	Durham – RTP 230 kV Line, Reconductor	Mitigate contingency loading	Underway	DEP	12/1/2027	6
CTPCDEP03	Falls – Franklinton (Franklinton – Franklinton Novo 115 kV Feeder), Construct	Mitigate low voltage issues	Conceptual	DEP	TBD	16
CTPCDEP04	Rocky Mount - Wilson 115 kV Line, Upgrade	Mitigate contingency loading	Conceptual	DEP	TBD	1.5
E190052	Jacksonville 230 kV, Upgrade CT Ratio for Jacksonville City 115 kV East Line and Add Second 115 kV Bus Tie Breaker	Mitigate contingency loading	In-Service	DEP	12/15/2025	2.1



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Project ID	Reliability Project	Issue Resolved	Status ¹	Transmission Owner	Estimated In-Service Date	Estimated Cost (\$M) ²
E190092	Greenville - VEPCO Everetts 230 kV Line, Reconductor	Mitigate contingency loading	Underway	DEP	12/1/2026	12
E200161	Castle Hayne–Folkstone 115 kV Line, Rebuild	Mitigate contingency loading	Underway	DEP	6/30/2026	73
E210073	Carthage (Hill Crest) 230/115 kV Substation, Construct	Mitigate contingency loading and voltage issues	In-Service	DEP	5/29/2026	32
E210078	Fayetteville 230/115 kV Bank #1, Upgrade 115 kV Disconnect Switches, Wave Traps, and CT Ratios	Mitigate contingency loading	In-Service	DEP	3/19/2026	11
E210145	Holly Ridge North 115 kV Switching Station, Construct	Mitigate low voltage issues	Planned	DEP	6/1/2029	14
E210150	Havelock 230 kV Substation, Upgrade Ancillary Equipment	Mitigate contingency loading	Underway	DEP	12/1/2028	7
E220112	Asheville Plant – Oteen 115 kV West Line (Arden), Construct	Mitigate low voltage issues	In-Service	DEP	4/28/2026	15
E220408	Vanderbilt - West Asheville 115 kV Line, Upgrade 115 kV CB and Switches	Mitigate contingency loading	Underway	DEP	12/1/2027	2
E230041	Richmond 500/230 kV Banks #1 & #2, Upgrade CT Ratios	Mitigate contingency loading	In-Service	DEP	3/10/2026	2.2
E230059	Sumter – SCEG Eastover 115 kV Line (Kings Hwy – Shaw Field – Eastover), Reconductor	Mitigate contingency loading	Underway	DEP	12/1/2026	18
E230061	Henderson 230/115 kV Banks #1 & #2, Upgrade CT Ratios and Relay Settings	Mitigate contingency loading	In-Service	DEP	5/29/2026	2.2
E240135	Sumter - SCEG Eastover 115 kV Line (Gold Kist Tap-Kings Hwy Section), Reconductor	Mitigate contingency loading	Underway	DEP	12/1/2027	11
E240188	Brunswick 2 - Delco 230 kV West Line (Brunswick 2 – BEMC Southport), Raise Section	Mitigate contingency loading	Underway	DEP	6/1/2027	0.8
E240198	Brunswick 1 - Delco 230 kV East Line (Brunswick 1 - Southport Tap), Upgrade Switch; Reconductor Brunswick 1-Southport Tap Section	Mitigate contingency loading	Planned	DEP	6/1/2030	4.5
E240238	Henderson – DVP Kerr Dam 115 kV line, Upgrade the wave trap, CT ratio, and relay settings at Henderson 230 to at least 1294 A.	Mitigate contingency loading	Planned	DEP	6/1/2029	4.1
E240276	Barnard Creek – Castle Hayne 230 kV East line, Upgrade switches 38A-1, 38A-2 to 3000 A and 41B-3 to 2000 A	Mitigate contingency loading	Underway	DEP	6/1/2028	3.1



Carolinas Transmission Planning Collaborative

2025 Collaborative Transmission Plan – Reliability Projects						
Items identified in red are changes from the previous report.						
Project ID	Reliability Project	Issue Resolved	Status ¹	Transmission Owner	Estimated In-Service Date	Estimated Cost (\$M) ²
E240289	Brunswick 1 - Barnard Creek 230 kV line, Upgrade OOS relays, CT ratios, line trap, and line switches to allow us of 2806 A line conductor 32F CW rating	Mitigate contingency loading	Underway	DEP	6/1/2030	1.2
E240296	Brunswick 2 - Town Creek 230 kV line, Upgrade OOS relay to at least 2000 A, preferably 3000 A	Mitigate contingency loading	Planned	DEP	6/1/2029	0.4
E240331	Wake-Zebulon 230 kV line, Upgrade CT ratios and relay settings at Wake, upgrade line switch 42-1, and upgrade CT ratios and relay settings at Zebulon 230, all to 3000 A	Mitigate contingency loading	Underway	DEP	12/1/2027	2.4
E250027	Method-DPC East Durham 230 kV line upgrade line switches and terminal equipment at both ends to allow full line conductor 2546 A cold winter rating	Mitigate contingency loading	Planned	DEP	6/1/2029	1
F170824H	Weatherspoon – LOF 115 kV Line (Maxton-Pembroke), Reconductor	Mitigate contingency loading	Underway	DEP	12/1/2027	24
Total						1811.4

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Underway: Projects with this status range from the Transmission Owner having some money in its current year budget for the project to the Transmission Owner having completed some construction activities for the project.
Planned: Projects with this status do not have money in the Transmission Owner’s current year budget, and the project is subject to change.
Conceptual: Projects with this status are not planned at this time but will continue to be evaluated as a potential project in the future.
Deferred: Projects with this status were identified in the 2025 Plan and have been deferred beyond the end of the planning horizon based on analysis performed to develop the Mid-Year Update to the 2025 Plan.
Removed: Projects with this status have been cancelled and are no longer in the Plan.

² The estimated cost is in nominal dollars which reflects the sum of the estimated annual cash flows over the expected development period for the specific project (typically 2 – 5 years), including direct costs, loadings and overheads; but not including AFUDC. Each year’s cash flow is escalated to the year of the expenditures. The sum of the expected cash flows is the estimated cost.



Carolinas Transmission Planning Collaborative

Public Policy Upgrades

2025 Collaborative Transmission Plan – Public Policy Projects						
Items identified in red are changes from the previous report.						
Project ID	Public Policy Project	Issue Resolved	Status ¹	Transmission Owner	Estimated In-Service Date	Estimated Cost (\$M) ²
	DEC					
W200169	Piedmont 100 kV Line (Lee-Shady Grove), Upgrade	This upgrade is needed to implement resource plans and to reliably serve customer load.	Underway	DEC	12/1/2026	44
W220122	Clinton 100 kV Line (Bush River-Laurens), Upgrade	This upgrade is needed to implement resource plans and to reliably serve customer load.	Underway	DEC	12/1/2026	85
W220124	Newberry 115 kV Line (Bush River-DESC), Upgrade	This upgrade is needed to implement resource plans and to reliably serve customer load.	In-Service	DEC	3/30/2026	35
W230029	Broadway B/W 100 kV Line (Belton-Lee), Upgrade	This upgrade is needed to implement resource plans and to reliably serve customer load.	Planned	DEC	12/1/2027	28
W230066	Bush River Tie 115/100 kV, Upgrade	This upgrade is needed to implement resource plans and to reliably serve customer load.	Planned	DEC	6/1/2028	12
W230323	Lilesville – Oakboro 230 kV Black & White Lines, Rebuild	This upgrade is needed to implement resource plans and to reliably serve customer load.	Planned	DEC	6/1/2028	32
W240161	Champion B/W 100 kV Line (Bush River-Newberry PV), Upgrade	This upgrade is needed to implement resource plans and to reliably serve customer load.	Planned	DEC	6/1/2028	26
	DEP					



Carolinas Transmission Planning Collaborative

2025 Collaborative Transmission Plan – Public Policy Projects						
Items identified in red are changes from the previous report.						
Project ID	Public Policy Project	Issue Resolved	Status ¹	Transmission Owner	Estimated In-Service Date	Estimated Cost (\$M) ²
E220082	Cape Fear – West End 230 kV Line, Rebuild	This upgrade is needed to implement resource plans and to reliably serve customer load.	In-Service	DEP	6/29/2026	52
E220083	Erwin – Fayetteville East 230 kV Line, Rebuild	This upgrade is needed to implement resource plans and to reliably serve customer load.	In-Service	DEP	7/13/2026	46
E220086	Milburnie 230 kV Substation, Upgrade	This upgrade is needed to implement resource plans and to reliably serve customer load.	In-Service	DEP	5/15/2026	5
E220087	Fayetteville-Fayetteville Dupont 115 kV Line, Rebuild 4.9-mile section	This upgrade is needed to implement resource plans and to reliably serve customer load.	In-Service	DEP	3/19/2026	7
E220088	Robinson Plant-Rockingham 230 kV Line, Rebuild	This upgrade is needed to implement resource plans and to reliably serve customer load.	In-Service	DEP	7/29/2026	31
E220093	Camden Junction-Wateree 115 kV Line, Rebuild	This upgrade is needed to implement resource plans and to reliably serve customer load.	In-Service	DEP	5/26/2026	15
E220219	Robinson Plant-Rockingham 115 kV Line, Rebuild	This upgrade is needed to implement resource plans and to reliably serve customer load.	Underway	DEP	12/1/2027	32
E230122	Clayton Industrial - Selma 115 kV Line, Rebuild	This upgrade is needed to implement resource plans and to reliably serve customer load.	Planned	DEP	12/1/2027	27
E230124	Lilesville - Oakboro 230 kV Black & White lines, Rebuild	This upgrade is needed to implement resource plans and to reliably serve customer load.	Underway	DEP	12/1/2028	111



Carolinas Transmission Planning Collaborative

2025 Collaborative Transmission Plan – Public Policy Projects						
Items identified in red are changes from the previous report.						
Project ID	Public Policy Project	Issue Resolved	Status ¹	Transmission Owner	Estimated In-Service Date	Estimated Cost (\$M) ²
E240038	Lee - Milburnie 230 kV Line; Rebuild	This upgrade is needed to implement resource plans and to reliably serve customer load.	Planned	DEP	12/1/2031	157
TOTAL						745

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Removed: Projects with this status have been cancelled and are no longer in the Plan.

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Carolinas Transmission Planning Collaborative

Multi-Value Strategic Transmission Upgrades

2025 Collaborative Transmission Plan – Multi-Value Strategic Transmission Projects						
Items identified in red are changes from the previous report.						
Project ID	Multi-Value Strategic Transmission Project	Issue Resolved	Status ¹	Transmission Owner	Estimated In-Service Date	Estimated Cost (\$M) ²
	DEC					
W250215	Cliffside 500/230 kV Transformer	Enable load growth in the region	Planned	DEC	6/1/2030	138
MVSTDEC01	Harley Hogback - Rebuilds	Enable local load growth and economic transfers	Planned	DEC	6/1/2034	125
MVSTDEC02	Woodruff - New 100 KV Lines	Enable industrial load growth and solar interconnection	Conceptual	DEC	TBD	-
	DEP					
MVSTDEP01	Badin Rebuilds	Increase DEP to DEC energy transfer capability and reduce solar curtailment	Conceptual	DEP	TBD	-
	DEC/DEP					
MVSTDEC03	Wateree - Open Wateree B&W	Enable local generation and increase energy transfer from DEP to DEC	Conceptual	DEC/DEP	TBD	-
TOTAL						263

Note: The MVST Conceptual projects were not approved by the OSC and, therefore, have been excluded from this update. However, costs and schedules will be re-evaluated in future MVST studies if identified as a Solution.

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