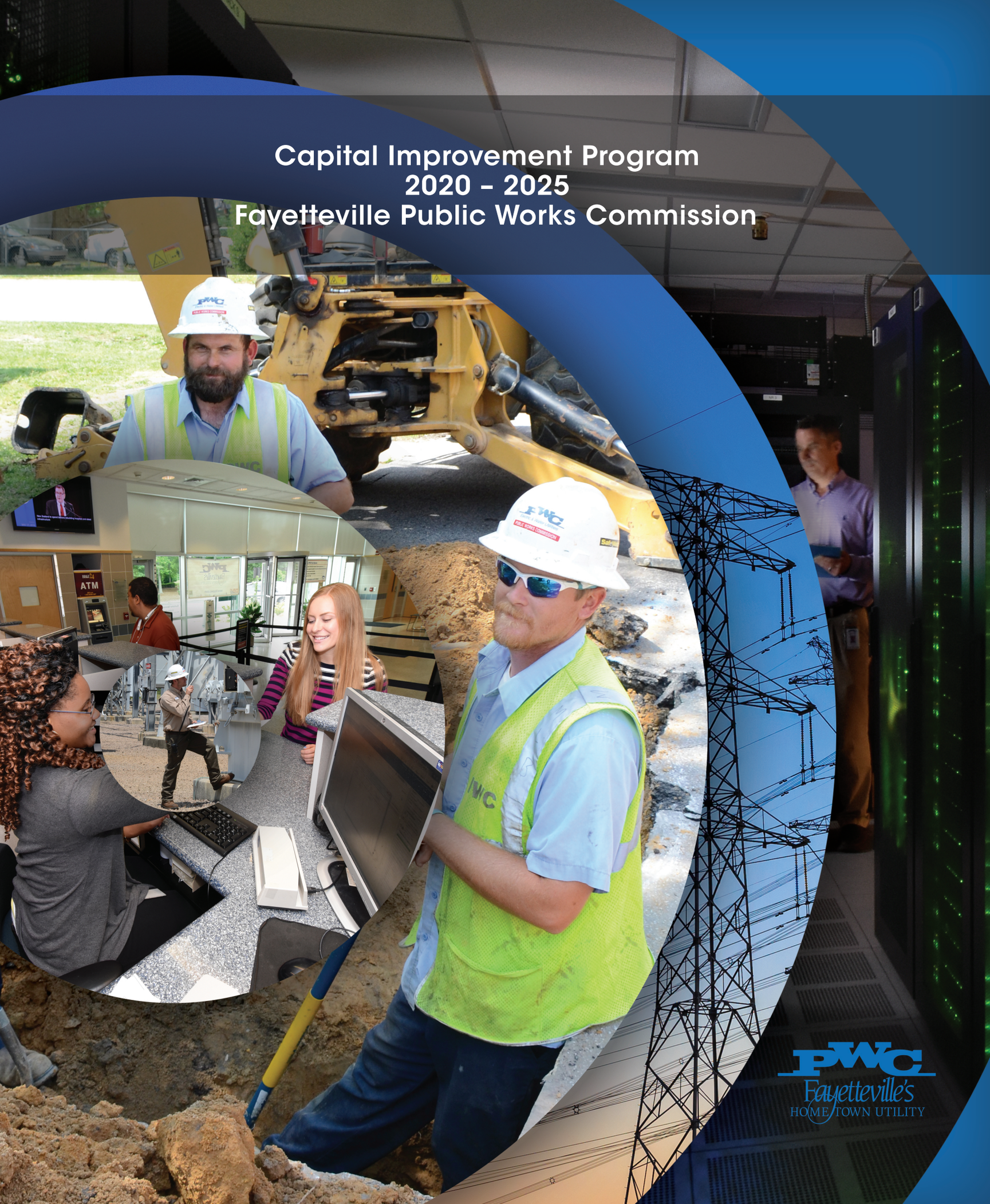
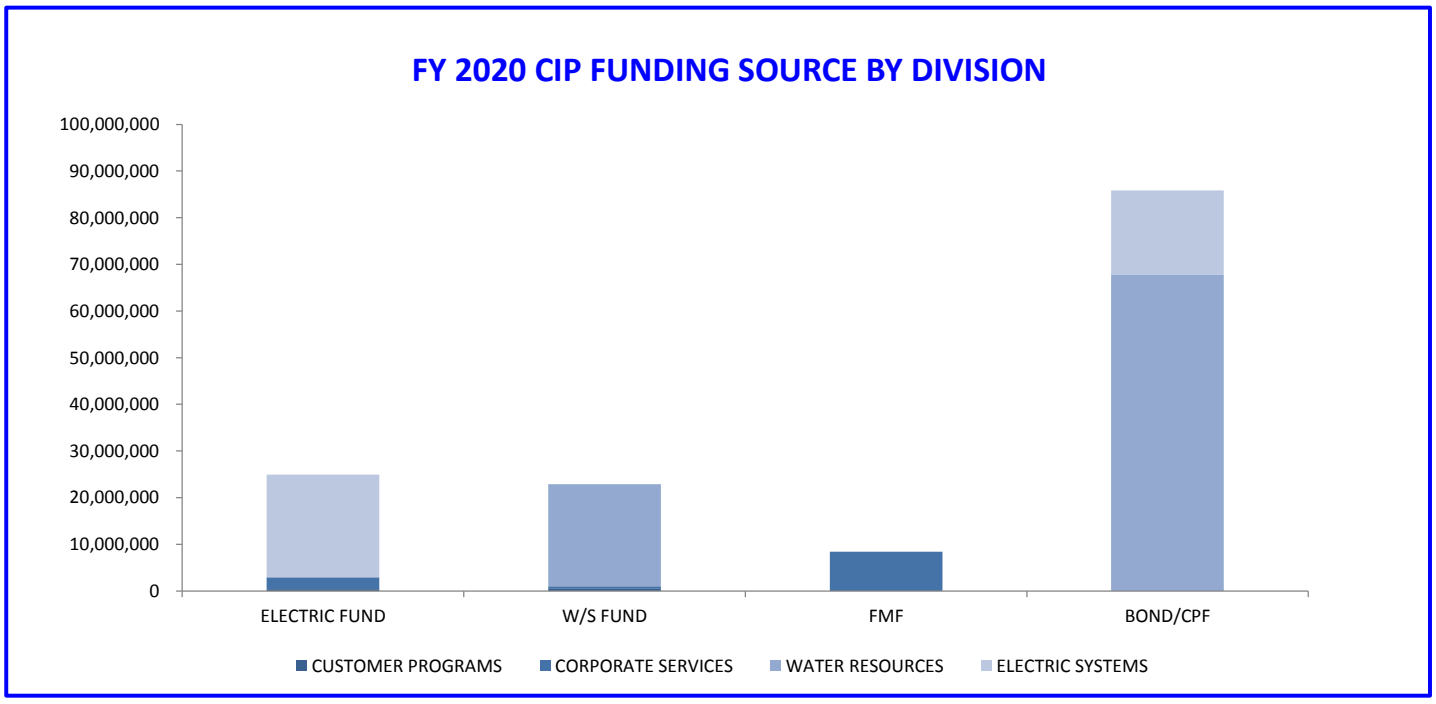
Capital Improvement Program
2020 – 2025
Fayetteville Public Works Commission



PWC
Fayetteville's
HOMETOWN UTILITY

CIP BY CATEGORY
ALL FUNDS

DIVISION	ACCOUNT	ELECTRIC FUND	W/S FUND	ELECTRIC & W/S FUNDS	FMF	BOND FUND / NC STATE LOAN / CPF	TOTAL ALL FUNDS
CUSTOMER PROGRAMS	*ELECTRIC DISTRIBUTION*	370,000		370,000			370,000
	WATER DISTRIBUTION		489,000	489,000			489,000
	TOTAL CUSTOMER PROGRAMS	**370,000**	**489,000**	**859,000**			**859,000**
CORPORATE SERVICES	*STRUCTURES & IMPROVEMENTS*	1,590,000	340,000	1,930,000	8,430,000		10,360,000
	INHOUSE COMPUTER SYSTEMS	950,000	200,000	1,150,000			1,150,000
	TOTAL CORPORATE SERVICES	**2,540,000**	**540,000**	**3,080,000**	**8,430,000**		**11,510,000**
WATER RESOURCES	*LAND & LAND RIGHTS-W/S*		38,000	38,000			38,000
	WATER DISTRIBUTION		9,018,000	9,018,000		15,240,000	24,258,000
	SANITARY SEWER COLLECTION		9,841,000	9,841,000		44,577,000	54,418,000
	GLENVILLE LAKE PLANT		345,000	345,000			345,000
	P.O. HOFFER WATER PLANT		330,000	330,000			330,000
	CROSS CREEK TRMT. PLANT		605,000	605,000		7,155,000	7,760,000
	ROCKFISH TRMT. PLANT		1,694,000	1,694,000		780,000	2,474,000
	TOTAL WATER RESOURCES		**21,871,000**	**21,871,000**		**67,752,000**	**89,623,000**
ELECTRIC SYSTEMS	*LAND & LAND RIGHTS-ELEC*	150,000		150,000			150,000
	GENERATION PLANT	1,980,000		1,980,000			1,980,000
	TRANSMISSION PLANT	2,900,000		2,900,000		1,200,000	4,100,000
	DISTRIBUTION PLANT	16,225,000		16,225,000		16,900,000	33,125,000
	TELECOM-CABLE INFRASTRUCTURE	500,000		500,000			500,000
	COMMUNICATIONS EQUIPMENT	250,000		250,000			250,000
	TOTAL ELECTRIC SYSTEMS	**22,005,000**		**22,005,000**		**18,100,000**	**40,105,000**
	TOTAL CIP	**24,915,000**	**22,900,000**	**47,815,000**	**8,430,000**	**85,852,000**	**142,097,000**



PROJECT FUNDING SUMMARY

REF. #	2020 PROJECT LISTING	ELECTRIC FUND	W/S FUND	FMF	BOND FUND / NC DOT RESERVE / CPF	TOTAL
	CUSTOMER PROGRAMS					
CP 1	Electric Meters and Metering Equipment	370,000	-	-	-	370,000
	ELECTRIC DISTRIBUTION	**370,000**	**-**	**-**	**-**	**370,000**
CP 2	Water Meters	-	489,000	-	-	489,000
	WATER DISTRIBUTION	**-**	**489,000**	**-**	**-**	**489,000**
	TOTAL CUSTOMER PROGRAMS	**370,000**	**489,000**	**-**	**-**	**859,000**
	CORPORATE SERVICES					
CS 2	Fleet Bay Expansion	-	-	8,430,000	-	8,430,000
CS 4	Upgrade Warehouse Yard	50,000	50,000	-	-	100,000
CS 5	Backup Emergency Power for Main Complex Buildings	380,000	-	-	-	380,000
CS 6	Replace Warehouse Roof	290,000	290,000	-	-	580,000
CS 7	Replace Administration Building Roof	50,000	-	-	-	50,000
CS 8	Emergency Operations Facility	660,000	-	-	-	660,000
CS 10	Security Upgrades for Customer Service Center	160,000	-	-	-	160,000
	STRUCTURES & IMPROVEMENTS	**1,590,000**	**340,000**	**8,430,000**	**0**	**10,360,000**
CS 9	OMS Software and Implementation	200,000	200,000	-	-	400,000
EL 59	DMS Software and Implementation	750,000	-	-	-	750,000
	INHOUSE COMPUTER SYSTEMS	**950,000**	**200,000**	**0**	**0**	**1,150,000**
	TOTAL CORPORATE SERVICES	**2,540,000**	**540,000**	**8,430,000**	**0**	**11,510,000**
	WATER RESOURCES					
WS 1	Land and Land Rights - Water	-	19,000	-	-	19,000
WS 50	Land and Land Rights - Sewer	-	19,000	-	-	19,000
	LAND & LAND RIGHTS	**-**	**38,000**	**-**	**-**	**38,000**
WS 2	New Water Service Laterals and Water Main Extensions	-	600,000	-	-	600,000
WS 3	Water Lateral Renewals (PWC Forces)	-	900,000	-	-	900,000
WS 4	New Hydrant and Valve Installation	-	124,000	-	-	124,000
WS 5	Water Distribution System Rehabilitation	-	-	-	6,000,000	6,000,000
WS 7	Phase V Annexation - Water Main Extension	-	-	-	2,182,000	2,182,000
WS 8	Replace Existing Water Mains not Encased Under Railroad Crc	-	880,000	-	-	880,000
WS 9	Chicken Foot Road 16" Water Main Interconnect	-	-	-	100,000	100,000
WS 12	Cliffdale Road Transmission Water Main Improvements	-	130,000	-	-	130,000
WS 13	US HWY 401 North - Water Improvements (Contract 1)	-	-	-	280,000	280,000
WS 14	US HWY 401 North - Booster Pump Station (Contract 2)	-	-	-	680,000	680,000
WS 15	US HWY 401 North - Elevated Water Tank (Contract 3)	-	-	-	-	-
WS 16	High Pressure Zone Transmission Water Main Improvements	-	-	-	265,000	265,000
WS 17	Glenville Water Main Replacement, Filter Plant to Coley	-	203,000	-	-	203,000
WS 19	Cottonade Water Main Replacement	-	-	-	2,295,000	2,295,000
WS 20	Scottsdale Water Main Replacement	-	-	-	1,640,000	1,640,000
WS 26	COF - Storm Water Utility Improvements for City of Fayetteville	-	773,000	-	-	773,000
WS 27	COF Louise Street Water Relocation	-	195,000	-	-	195,000
WS 28	Hurricane Matthew Improvement of Water Mains	-	-	-	635,000	635,000
WS 29	Utility Improvements for the Town of Hope Mills Stormwater Prc	-	300,000	-	-	300,000
WS 30	Utility Improvements for NCDOT Resurfacing and Stormwater	-	90,000	-	-	90,000
WS 31	NCDOT B-4491 Bridge # 22 Replacement, NC 59 over I-95 Bus	-	8,000	-	428,000	436,000
WS 32	NCDOT U-6072A SR1112 (Rockfish Rd) from Strickland Bridge	-	173,000	-	-	173,000
WS 33	NCDOT U-6073 Fisher Rd. from Strickland Bridge Rd. to NC16	-	542,000	-	-	542,000
WS 34	NCDOT U-4405 Raeford Rd Median Improv, Hampton Oaks Dr	-	710,000	-	-	710,000
WS 35	NCDOT W-5601FO Roundabout at Baywood Rd. and Murphy F	-	25,000	-	-	25,000
WS 36	NCDOT B-4490, Bridge # 116 Replacement, over CSX RR, & H	-	10,000	-	65,000	75,000
WS 37	NCDOT U2519CB Fay Outer Lp WM Relocation	-	5,000	-	670,000	675,000
WS 38	NCDOT U-2519C A/B-5516 Fayetteville Outer Loop South of C	-	20,000	-	-	20,000
WS 39	NCDOT U-2519B A/BB Fayetteville Outer Loop from South of U	-	15,000	-	-	15,000
WS 40	NCDOT U-4403 Ramsey Street Widening - Water	-	950,000	-	-	950,000
WS 41	NCDOT U-4404 Cliffdale Road Widening - Water	-	185,000	-	-	185,000

PROJECT FUNDING SUMMARY

REF. #	2020 PROJECT LISTING	ELECTRIC FUND	W/S FUND	FMF	BOND FUND / NC DOT RESERVE / CPF	TOTAL
WS 42	NCDOT U-4900 Murchison Road Widening - Water	-	235,000	-	-	235,000
WS 44	NCDOT U-5798 Gillis Hill Road Widening - Water	-	155,000	-	-	155,000
WS 45	NCDOT U-3422 Camden Rd Widening - Water	-	1,445,000	-	-	1,445,000
WS 46	NCDOT U-2519A A/AB - Fayetteville Outer Loop from South of	-	15,000	-	-	15,000
WS 48	NCDOT U-4709 Rockfish Road, Golfview Drive to NC 59 - Wat	-	240,000	-	-	240,000
WS 49	NCDOT U-6072B, SR1112 (Rockfish Rd) from Camden Rd. to	-	5,000	-	-	5,000
WS 113	NCDOT U-6001 NC 59 Widening, Parkton Road to US 301, Wa	-	85,000	-	-	85,000
	WATER DISTRIBUTION	**-**	**9,018,000**	**-**	**15,240,000**	**24,258,000**
WS 51	New Sewer Service Laterals and Sewer Main Extensions	-	500,000	-	-	500,000
WS 52	Sewer Lateral Renewals (PWC Forces)	-	800,000	-	-	800,000
WS 53	Lift Station Rehabilitation	-	610,000	-	-	610,000
WS 54	Sanitary Sewer Manhole Rehabilitation	-	2,000,000	-	-	2,000,000
WS 55	Sanitary Sewer Main Rehabilitation	-	-	-	6,000,000	6,000,000
WS 56	Line 54" Outfall - Research Drive to I-95	-	315,000	-	-	315,000
WS 57	Rockfish Creek Basin Peak Flow Facilities	-	45,000	-	750,000	795,000
WS 58	Freedom Town Center Sewer Replacement	-	540,000	-	-	540,000
WS 59	Kennedy Street Aerial Sewer Replacement	-	361,000	-	-	361,000
WS 60	Phase V Annexation	-	-	-	21,850,000	21,850,000
WS 61	Carver's Creek (North Fayetteville) Sewer Line	-	-	-	1,143,000	1,143,000
WS 62	Clifton Drive Sewer Main Relocation	-	-	-	2,870,000	2,870,000
WS 64	Murchison Road Sewer Improvements, (Jasper St. to Murchiso	-	10,000	-	-	10,000
WS 69	Line the Cross Creek Outfall, Blue Street to Gale Street	-	-	-	5,510,000	5,510,000
WS 70	Line Beaver Creek Outfall, Phase I	-	-	-	705,000	705,000
WS 76	Big Rockfish Sanitary Sewer Outfall	-	1,075,000	-	-	1,075,000
WS 77	Big Rockfish Sanitary Sewer Outfall - Lift Station Eliminations	-	515,000	-	-	515,000
WS 78	North Fayetteville Lift Station Upgrades - Phase 2	-	205,000	-	-	205,000
WS 79	North Fayetteville Lift Station Upgrades - Phase 4	-	185,000	-	-	185,000
WS 80	Replacement of 20" North Fayetteville Main	-	-	-	4,000,000	4,000,000
WS 88	Longview Lift Station and Force Main Upgrade	-	-	-	235,000	235,000
WS 89	Hurricane Matthew Improvement of Sewer Mains	-	-	-	970,000	970,000
WS 90	City of Fayetteville Storm Sewer Utility Improvements	-	729,000	-	-	729,000
WS 91	Ann Street Sewer Relocation (Aerial Crossing)	-	365,000	-	-	365,000
WS 92	COF Louise Street Sewer Relocation	-	95,000	-	-	95,000
WS 93	Utility Improvements for the Town of Hope Mills Stormwater Prc	-	100,000	-	-	100,000
WS 94	Utility Improvements for NCDOT Resurfacing and Stormwater F	-	10,000	-	-	10,000
WS 95	NCDOT B-4491 Bridge # 22 Replacement, NC 59 over I-95 Bus	-	4,000	-	149,000	153,000
WS 96	NCDOT U-6073 Fisher Rd. from Strickland Bridge Rd. to NC16	-	84,000	-	-	84,000
WS 97	NCDOT B-4490, Bridge #116 Replacement, over CSX RR & Hi	-	60,000	-	375,000	435,000
WS 98	NCDOT U-2519C A/B-5516 Fayetteville Outer Loop South of C	-	20,000	-	-	20,000
WS 99	NCDOT U-2519B A/BB Fayetteville Outer Loop from South of U	-	10,000	-	-	10,000
WS 100	NCDOT U-4403 Ramsey Street Widening - Sewer	-	475,000	-	-	475,000
WS 101	NCDOT U-4404 Cliffdale Road Widening - Sewer	-	70,000	-	-	70,000
WS 102	NCDOT U-4900 Murchison Road Widening - Sewer	-	120,000	-	-	120,000
WS 104	NCDOT U-5798 Gillis Hill Road Widening - Sewer	-	75,000	-	-	75,000
WS 105	NCDOT U-3422 Camden Rd Widening - Sewer	-	170,000	-	-	170,000
WS 106	NCDOT U-6072A SR1112 (Rockfish Rd) from Strickland Bridge	-	43,000	-	-	43,000
WS 107	NCDOT U-4405 Raeford Rd Median Improv, Hampton Oaks Dr	-	80,000	-	-	80,000
WS 109	NCDOT U-4709 Rockfish Road, Golfview Drive to NC 59 - Sew	-	55,000	-	-	55,000
WS 110	NCDOT W-5601CD - Medians and Leftovers on US 301/Easter	-	2,000	-	20,000	22,000
WS 111	NCDOT U-2519AA/AB - Fayetteville Outer Loop from South of	-	15,000	-	-	15,000
WS 112	NCDOT U-6072B, SR1112 (Rockfish Rd) from Camden Rd. to	-	3,000	-	-	3,000
WS 114	Replacement of the Shadowlawn Aerial Sewer Crossing	-	95,000	-	-	95,000
	SANITARY SEWER COLLECTION	**-**	**9,841,000**	**-**	**44,577,000**	**54,418,000**
WS 23	Glenville Lake Filter Control System Upgrades	-	345,000	-	-	345,000
	GLENVILLE LAKE WATER PLANT	**-**	**345,000**	**-**	**-**	**345,000**
WS 24	PO Hoffer WTF Capacity Expansion, Phase 2 – Expansion	-	-	-	-	-
WS 25	PO Hoffer WTF Capacity Expansion, Phase 3 – Residuals Faci	-	330,000	-	-	330,000
	P.O. HOFFER WATER PLANT	**-**	**330,000**	**-**	**-**	**330,000**

PROJECT FUNDING SUMMARY

REF. #	2020 PROJECT LISTING	ELECTRIC FUND	W/S FUND	FMF	BOND FUND / NC DOT RESERVE / CPF	TOTAL
WS 81	Rehab Cross Creek Influent Pump Station	-	-	-	6,010,000	6,010,000
WS 82	Cross Creek WRF Secondary Screening Improvements	-	-	-	1,145,000	1,145,000
WS 83	Cross Creek WRF Secondary Clarifiers Mechanism Replaceme	-	605,000	-	-	605,000
	CROSS CREEK TREATMENT PLANT	**-**	**605,000**	**-**	**7,155,000**	**7,760,000**
WS 84	Rockfish Creek WRF Filters #1 - #6 Rehabilitation	-	644,000	-	690,000	1,334,000
WS 85	Rockfish Creek WRF Expansion to 28 MGD	-	970,000	-	-	970,000
WS 86	Rockfish Creek WRF Screening Improvements	-	80,000	-	-	80,000
WS 87	Rockfish Creek WRF Effluent Outfall Repairs	-	-	-	90,000	90,000
	ROCKFISH TREATMENT PLANT	**-**	**1,694,000**	**-**	**780,000**	**2,474,000**
	TOTAL WATER RESOURCES	**-**	**21,871,000**	**-**	**67,752,000**	**89,623,000**
	ELECTRIC SYSTEMS					
EL 43	ROW Additions Distribution	150,000	-	-	-	150,000
	LAND AND LAND RIGHTS	**150,000**	**-**	**-**	**-**	**150,000**
EL 57	Heat Exchanger Upgrade	540,000	-	-	-	540,000
EL 58	BWGP HVAC Equipment Replacement - Steam Turbine Contrc	140,000	-	-	-	140,000
EL 60	BWGP 72.5 kV Power Circuit Breaker Replacement	950,000	-	-	-	950,000
EL 62	ABB Control System Microsoft Windows Upgrade	350,000	-	-	-	350,000
	GENERATION PLANT	**1,980,000**	**-**	**-**	**-**	**1,980,000**
EL 25	Sub-Transmission Pole Replacement	1,500,000	-	-	-	1,500,000
EL 26	66 kV System Sectionalizing Improvements	300,000	-	-	-	300,000
EL 29	T/D Sub Differential and Back-Up Overcurrent Relay Replacem	150,000	-	-	-	150,000
EL 31	T/D Substation Control Building Replacement	200,000	-	-	-	200,000
EL 40	POD III Relaying Upgrade	-	-	-	1,200,000	1,200,000
EL 42	POD V 230-66 kV Substation Property Acquisition	750,000	-	-	-	750,000
	TRANSMISSION PLANT	**2,900,000**	**-**	**-**	**1,200,000**	**4,100,000**
EL 1	Underground Distribution Infrastructure Installations – New	1,500,000	-	-	-	1,500,000
EL 2	Overhead Infrastructure Installation - New	25,000	-	-	-	25,000
EL 3	LED Area Lights - Replacements/Conversion	500,000	-	-	-	500,000
EL 4	LED Area Lights - New Installations	150,000	-	-	-	150,000
EL 5	Padmount Transformers	1,000,000	-	-	-	1,000,000
EL 6	Overhead Transformers	400,000	-	-	-	400,000
EL 7	Underground Infrastructure Replacement - Residential	2,500,000	-	-	-	2,500,000
EL 8	Underground Infrastructure Replacement - Non Residential	500,000	-	-	-	500,000
EL 9	UG Feeder Exit Replacement Substations	500,000	-	-	-	500,000
EL 10	Underground Distribution Infrastructure Replacements (Non-Ca	850,000	-	-	-	850,000
EL 11	Overhead Distribution System Circuit Improvements	75,000	-	-	-	75,000
EL 12	Distribution System Sectionalizing	250,000	-	-	-	250,000
EL 14	Overhead Infrastructure Improvements	1,000,000	-	-	-	1,000,000
EL 15	Street Lights - LED Conversion	250,000	-	-	-	250,000
EL 16	Thoroughfare LED Roadway Lighting-Conversion	500,000	-	-	-	500,000
EL 17	Thoroughfare LED Lighting - New Installations	50,000	-	-	-	50,000
EL 18	Street Lights - Contract Lighting LED Replacement/Conversion	250,000	-	-	-	250,000
EL 19	Street Lights - Contract Lighting - New LED Installations	100,000	-	-	-	100,000
EL 20	Conservation Load Reduction (CVR)	1,000,000	-	-	-	1,000,000
EL 21	System Reactive Power Compensation	300,000	-	-	-	300,000
EL 24	Distribution Automation	750,000	-	-	-	750,000
EL 27	Distribution Circuit Breaker Replacement	350,000	-	-	-	350,000
EL 28	Distribution Substation Equipment Replacement	100,000	-	-	-	100,000
EL 30	T/D Sub 66 kV Power Transformer Protection Equipment Upgra	500,000	-	-	-	500,000
EL 32	Transmission - Distribution Substation Oil Containment System	100,000	-	-	-	100,000
EL 33	Fenix 67-25 kV Substation Upgrade	-	-	-	200,000	200,000
EL 34	Bordeaux 67-12 kV Substation Rebuild	-	-	-	1,800,000	1,800,000
EL 35	Black & Decker Substation Rebuild	-	-	-	75,000	75,000
EL 39	Distribution Substation 66-12 kV Power Transformer	-	-	-	850,000	850,000
EL 44	Downtown UG Infrastructure Reliability Improvements	1,000,000	-	-	-	1,000,000

PROJECT FUNDING SUMMARY

REF. #	2020 PROJECT LISTING	ELECTRIC FUND	W/S FUND	FMF	BOND FUND / NC DOT RESERVE / CPF	TOTAL
EL 45	Underground Distribution / Streetscape Improvement	50,000	-	-	-	50,000
EL 48	CoF Legend Avenue Re-Alignment	150,000	-	-	-	150,000
EL 49	NCDOT U-4405 Raeford Road Widening	-	-	-	13,650,000	13,650,000
EL 50	NCDOT Rowan Street Bridge Replacement	250,000	-	-	-	250,000
EL 51	NCDOT U-3424 Bunce Road Widening	375,000	-	-	-	375,000
EL 53	NCDOT U-4403B Ramsey Street Widening	500,000	-	-	-	500,000
EL 54	NCDOT U-5798 Gillis Hill Road Widening	400,000	-	-	-	400,000
EL 61	230-67kV Auto-Transformer	-	-	-	325,000	325,000
	DISTRIBUTION PLANT	**16,225,000**	**-**	**-**	**16,900,000**	**33,125,000**
EL 22	Fiber Optic Cable Line Extensions for Electric System Automati	500,000	-	-	-	500,000
	TELECOM-CABLE INFRASTRUCTURE	**500,000**	**-**	**-**	**-**	**500,000**
EL 23	SONET Communications for Smart Grid	250,000	-	-	-	250,000
	COMMUNICATIONS EQUIPMENT	**250,000**	**-**	**-**	**-**	**250,000**
	TOTAL ELECTRIC SYSTEMS	**22,005,000**	**-**	**-**	**18,100,000**	**40,105,000**
	TOTAL ALL PROJECTS	**24,915,000**	**22,900,000**	**8,430,000**	**85,852,000**	**142,097,000**

SUMMARY BY PROJECT

REF #	PROJECT NAME	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	PRE-FY 2019	FY 2019 EST.	TOTAL COST
		(Dollars in thousands)								
	CUSTOMER PROGRAMS									
CP 1	Electric Meters and Metering Equipment	370	242	244	247	250	253	85	900	2,591
CP 2	Water Meters	489	317	325	334	337	342	269	490	2,903
	TOTAL CUSTOMER PROGRAMS	**859**	**559**	**569**	**581**	**587**	**595**	**354**	**1,390**	**5,494**
	CORPORATE SERVICES									
CS 1	Robert C. Williams Business Center Upfit	0	60	60	60	60	60	20	0	320
CS 2	Fleet Bay Expansion	8,430	226	0	0	0	0	120	600	9,376
CS 3	Multipurpose Building	0	300	8,700	1,040	0	0	0	0	10,040
CS 4	Upgrade Warehouse Yard	100	0	0	0	0	0	179	640	919
CS 5	Backup Emergency Power for Main Complex Buildings	380	0	0	0	0	0	0	0	380
CS 6	Replace Warehouse Roof	580	0	0	0	0	0	0	0	580
CS 7	Replace Administration Building Roof	50	0	0	0	0	0	0	120	170
CS 8	Emergency Operations Facility	660	60	0	0	0	0	0	0	720
CS 9	OMS Software and Implementation	400	0	50	0	50	0	0	657	1,157
CS 10	Security Upgrades for Customer Service Center	160	0	0	0	0	0	0	17	177
	TOTAL CORPORATE SERVICES	**10,760**	**646**	**8,810**	**1,100**	**110**	**60**	**319**	**2,034**	**23,839**
	WATER RESOURCES									
WS 1	Land and Land Rights - Water	19	19	19	19	19	19	19	18	151
WS 2	New Water Service Laterals and Water Main Extensions	600	618	636	655	675	695	621	459	4,959
WS 3	Water Lateral Renewals (PWC Forces)	900	945	992	1,042	1,094	1,149	995	641	7,758
WS 4	New Hydrant and Valve Installation	124	126	128	130	133	136	141	108	1,026
WS 5	Water Distribution System Rehabilitation	6,000	6,750	7,500	8,500	9,500	10,750	4,907	5,500	59,407
WS 6	Braxton Road 12" Water Main Extension	0	75	260	195	0	0	0	0	530
WS 7	Phase V Annexation - Water Main Extension	2,182	2,288	950	2,181	3,618	3,963	224	560	15,966
WS 8	Replace Existing Water Mains not Encased Under Railroad (	880	880	855	870	500	0	121	1,740	5,846
WS 9	Chicken Foot Road 16" Water Main Interconnect	100	1,395	0	0	0	0	0	200	1,695
WS 10	West Fayetteville Pressure Zone Improvements	0	210	2,960	5,520	2,370	0	0	0	11,060
WS 11	Sandhill Road 12" Water Main Extension	0	0	0	150	585	450	0	0	1,185
WS 12	Cliffdale Road Transmission Water Main Improvements	130	930	720	0	0	0	0	0	1,780
WS 13	US HWY 401 North - Water Improvements (Contract 1)	280	0	0	0	0	0	434	1,179	1,893
WS 14	US HWY 401 North - Booster Pump Station (Contract 2)	680	0	0	0	0	0	0	381	1,061
WS 15	US HWY 401 North - Elevated Water Tank (Contract 3)	0	18	2,100	0	0	0	0	129	2,247
WS 16	High Pressure Zone Transmission Water Main Improvement	265	265	365	515	3,365	2,910	0	0	7,685
WS 17	Glenville Water Main Replacement, Filter Plant to Coley	203	322	0	0	0	0	0	30	555
WS 18	Gillespie Street Water Main Replacement	0	260	210	2,930	0	0	0	0	3,400
WS 19	Cottonade Water Main Replacement	2,295	0	0	0	0	0	148	85	2,528
WS 20	Scottsdale Water Main Replacement	1,640	0	0	0	0	0	57	124	1,821
WS 21	Southern Avenue Water Main Replacement, Camden to Gille	0	0	155	210	2,410	0	0	0	2,775
WS 22	Southern Avenue Water Main Replacement, Camden to Gille	0	0	0	160	210	2,660	0	0	3,030
WS 23	Glenville Lake Filter Control System Upgrades	345	0	0	0	0	0	31	512	888
WS 24	PO Hoffer WTF Capacity Expansion, Phase 2 – Expansion	0	0	0	0	0	2,000	1,022	1,580	4,602
WS 25	PO Hoffer WTF Capacity Expansion, Phase 3 – Residuals F	330	315	105	0	0	0	0	188	938
WS 26	COF - Storm Water Utility Improvements for City of Fayettev	773	773	270	270	270	270	99	134	2,859
WS 27	COF Louise Street Water Relocation	195	0	0	0	0	0	0	15	210
WS 28	Hurricane Matthew Improvement of Water Mains	635	0	0	0	0	0	364	348	1,347
WS 29	Utility Improvements for the Town of Hope Mills Stormwater I	300	50	50	50	50	50	101	40	691
WS 30	Utility Improvements for NCDOT Resurfacing and Stormwate	90	90	90	90	90	90	116	9	665
WS 31	NCDOT B-4491 Bridge # 22 Replacement, NC 59 over I-95 I	436	0	0	0	0	0	3	16	455
WS 32	NCDOT U-6072A SR1112 (Rockfish Rd) from Strickland Bri	173	158	55	25	25	2,249	0	45	2,730
WS 33	NCDOT U-6073 Fisher Rd. from Strickland Bridge Rd. to NC	542	746	206	110	35	7,100	0	5	8,744

SUMMARY BY PROJECT

REF #	PROJECT NAME	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	PRE-FY 2019	FY 2019 EST.	TOTAL COST
		(Dollars in thousands)								
WS 34	NCDOT U-4405 Raeford Rd Median Improv, Hampton Oaks	710	361	5,183	190	5,183	190	1,224	275	13,316
WS 35	NCDOT W-5601FO Roundabout at Baywood Rd. and Murph	25	0	0	0	0	0	0	3	28
WS 36	NCDOT B-4490, Bridge # 116 Replacement, over CSX RR,	75	0	0	0	0	0	53	10	138
WS 37	NCDOT U2519CB Fay Outer Lp WM Relocation	675	0	0	0	0	0	19	10	704
WS 38	NCDOT U-2519C A/B-5516 Fayetteville Outer Loop South of	20	15	466	0	0	0	2	13	516
WS 39	NCDOT U-2519B A/BB Fayetteville Outer Loop from South c	15	15	10	10	5,730	0	5	14	5,799
WS 40	NCDOT U-4403 Ramsey Street Widening - Water	950	1,125	775	275	275	225	0	200	3,825
WS 41	NCDOT U-4404 Cliffdale Road Widening - Water	185	180	125	135	80	55	0	80	840
WS 42	NCDOT U-4900 Murchison Road Widening - Water	235	330	130	135	75	50	0	80	1,035
WS 43	NCDOT U-5101 Shaw Rd to Stacey Weaver Dr Widening - V	0	0	885	440	170	170	0	0	1,665
WS 44	NCDOT U-5798 Gillis Hill Road Widening - Water	155	225	135	1,055	30	0	0	0	1,600
WS 45	NCDOT U-3422 Camden Rd Widening - Water	1,445	945	135	135	135	11,020	0	130	13,945
WS 46	NCDOT U-2519A A/AB - Fayetteville Outer Loop from South	15	15	1,049	0	0	0	0	6	1,085
WS 47	NCDOT U-4414 - All American Freeway Widening from Owe	0	3	3	5	12	62	0	0	85
WS 48	NCDOT U-4709 Rockfish Road, Golfview Drive to NC 59 - W	240	125	55	60	60	2,935	0	50	3,525
WS 49	NCDOT U-6072B, SR1112 (Rockfish Rd) from Camden Rd.	5	5	103	181	25	25	0	2	346
WS 50	Land and Land Rights - Sewer	19	19	19	19	19	19	12	2	128
WS 51	New Sewer Service Laterals and Sewer Main Extensions	500	526	553	581	610	640	549	381	4,340
WS 52	Sewer Lateral Renewals (PWC Forces)	800	820	840	861	883	905	611	604	6,324
WS 53	Lift Station Rehabilitation	610	610	610	0	0	0	0	356	2,186
WS 54	Sanitary Sewer Manhole Rehabilitation	2,000	2,100	2,200	2,300	2,400	2,500	1,358	1,604	16,462
WS 55	Sanitary Sewer Main Rehabilitation	6,000	7,000	8,000	9,000	10,000	11,500	4,970	5,474	61,944
WS 56	Line 54" Outfall - Research Drive to I-95	315	1,715	0	0	0	0	0	10	2,040
WS 57	Rockfish Creek Basin Peak Flow Facilities	795	8,154	7,949	0	0	0	323	1,150	18,370
WS 58	Freedom Town Center Sewer Replacement	540	545	0	0	0	0	95	88	1,268
WS 59	Kennedy Street Aerial Sewer Replacement	361	0	0	0	0	0	15	38	414
WS 60	Phase V Annexation	21,850	27,910	24,657	23,471	22,226	23,096	64,874	14,000	222,084
WS 61	Carver's Creek (North Fayetteville) Sewer Line	1,143	0	0	0	0	0	308	4,046	5,497
WS 62	Clifton Drive Sewer Main Relocation	2,870	0	0	0	0	0	52	249	3,171
WS 63	Old Wilmington Road Sewer Upgrades	0	0	0	0	55	410	6	0	471
WS 64	Murchison Road Sewer Improvements, (Jasper St. to Murchi	10	810	810	0	0	0	28	10	1,668
WS 65	B Street Parallel Sewer	0	0	0	85	345	605	0	0	1,035
WS 66	Branson Creek Interceptor Replacement, Phase I	0	35	180	1,060	0	0	0	0	1,275
WS 67	Branson Creek Interceptor Replacement, Phase II	0	0	25	390	640	940	0	0	1,995
WS 68	Rehabilitation of the Blounts Creek Outfall, Campbell to Russ	0	0	610	0	0	0	0	0	610
WS 69	Line the Cross Creek Outfall, Blue Street to Gale Street	5,510	620	0	0	0	0	202	201	6,533
WS 70	Line Beaver Creek Outfall, Phase I	705	0	0	0	0	0	15	1,755	2,475
WS 71	Line Beaver Creek Outfall, Phase II	0	275	2,510	0	0	0	0	0	2,785
WS 72	Line the Beaver Creek Outfall, Phase III	0	0	0	1,010	1,110	0	0	0	2,120
WS 73	Line Beaver Creek Outfall, Phase IV	0	0	0	0	1,010	1,110	0	0	2,120
WS 74	Line Beaver Creek Outfall, Phase V	0	0	0	0	0	1,010	0	0	1,010
WS 75	Line 54" Outfall - I-95 to Claude Lee Road	0	10	715	1,415	0	0	0	0	2,140
WS 76	Big Rockfish Sanitary Sewer Outfall	1,075	1,085	6,270	5,985	50	0	517	582	15,564
WS 77	Big Rockfish Sanitary Sewer Outfall - Lift Station Eliminations	515	490	2,425	2,220	25	0	0	318	5,993
WS 78	North Fayetteville Lift Station Upgrades - Phase 2	205	40	0	0	0	0	0	150	395
WS 79	North Fayetteville Lift Station Upgrades - Phase 4	185	835	0	0	0	0	0	150	1,170
WS 80	Replacement of 20" North Fayetteville Main	4,000	0	0	0	0	0	0	11,000	15,000
WS 81	Rehab Cross Creek Influent Pump Station	6,010	0	0	0	0	0	310	3,902	10,222
WS 82	Cross Creek WRF Secondary Screening Improvements	1,145	0	0	0	0	0	189	1,136	2,470
WS 83	Cross Creek WRF Secondary Clarifiers Mechanism Replace	605	0	0	0	0	0	0	0	605
WS 84	Rockfish Creek WRF Filters #1 - #6 Rehabilitation	1,334	0	0	0	0	0	121	2,822	4,277
WS 85	Rockfish Creek WRF Expansion to 28 MGD	970	970	6,520	13,170	13,020	10,520	2	299	45,471
WS 86	Rockfish Creek WRF Screening Improvements	80	1,661	562	0	0	0	0	141	2,444

SUMMARY BY PROJECT

REF #	PROJECT NAME	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	PRE-FY 2019	FY 2019 EST.	TOTAL COST
		(Dollars in thousands)								
WS 87	Rockfish Creek WRF Effluent Outfall Repairs	90	0	0	0	0	0	48	541	679
WS 88	Longview Lift Station and Force Main Upgrade	235	1,410	0	0	0	0	0	85	1,730
WS 89	Hurricane Matthew Improvement of Sewer Mains	970	0	0	0	0	0	1,238	1,698	3,906
WS 90	City of Fayetteville Storm Sewer Utility Improvements	729	729	221	221	221	221	55	44	2,441
WS 91	Ann Street Sewer Relocation (Aerial Crossing)	365	0	0	0	0	0	67	6	438
WS 92	COF Louise Street Sewer Relocation	95	0	0	0	0	0	0	15	110
WS 93	Utility Improvements for the Town of Hope Mills Stormwater I	100	50	50	50	50	50	91	5	446
WS 94	Utility Improvements for NCDOT Resurfacing and Stormwate	10	10	10	10	10	10	30	5	95
WS 95	NCDOT B-4491 Bridge # 22 Replacement, NC 59 over I-95 I	153	0	0	0	0	0	2	6	161
WS 96	NCDOT U-6073 Fisher Rd. from Strickland Bridge Rd. to NC	84	34	13	15	15	464	0	1	626
WS 97	NCDOT B-4490, Bridge #116 Replacement, over CSX RR &	435	0	0	0	0	0	53	8	496
WS 98	NCDOT U-2519C A/B-5516 Fayetteville Outer Loop South of	20	10	231	0	0	0	5	17	283
WS 99	NCDOT U-2519B A/BB Fayetteville Outer Loop from South c	10	10	10	5	753	0	2	10	800
WS 100	NCDOT U-4403 Ramsey Street Widening - Sewer	475	465	265	140	140	140	0	600	2,225
WS 101	NCDOT U-4404 Cliffdale Road Widening - Sewer	70	70	55	40	30	30	0	30	325
WS 102	NCDOT U-4900 Murchison Road Widening - Sewer	120	170	85	85	45	45	0	30	580
WS 103	NCDOT U-5101 Shaw Rd to Stacey Weaver Dr Widening - S	0	0	320	165	45	45	0	0	575
WS 104	NCDOT U-5798 Gillis Hill Road Widening - Sewer	75	73	53	530	15	0	0	0	746
WS 105	NCDOT U-3422 Camden Rd Widening - Sewer	170	120	30	30	25	910	0	25	1,310
WS 106	NCDOT U-6072A SR1112 (Rockfish Rd) from Strickland Bri	43	43	23	15	15	36	0	12	187
WS 107	NCDOT U-4405 Raeford Rd Median Improv, Hampton Oaks	80	70	433	70	226	70	313	93	1,355
WS 108	NCDOT U-4414 - All American Freeway Widening from Owe	0	2	2	3	5	33	0	0	45
WS 109	NCDOT U-4709 Rockfish Road, Golfview Drive to NC 59 - S	55	30	20	25	25	715	0	15	885
WS 110	NCDOT W-5601CD - Medians and Leftovers on US 301/Eas	22	0	0	0	0	0	0	5	27
WS 111	NCDOT U-2519AA/AB - Fayetteville Outer Loop from South	15	10	381	0	0	0	0	3	409
WS 112	NCDOT U-6072B, SR1112 (Rockfish Rd) from Camden Rd.	3	3	45	80	18	18	0	1	168
WS 113	NCDOT U-6001 NC 59 Widening, Parkton Road to US 301,	85	55	55	40	40	40	0	0	315
WS 114	Replacement of the Shadowlawn Aerial Sewer Crossing	95	625	0	0	0	0	0	0	720
	TOTAL WATER RESOURCES	**89,623**	**80,796**	**95,437**	**89,334**	**90,795**	**105,305**	**87,167**	**68,642**	**707,098**
	ELECTRIC SYSTEMS									
EL 1	Underground Distribution Infrastructure Installations – New	1,500	1,600	1,650	1,700	1,750	1,800	1,668	1,250	12,918
EL 2	Overhead Infrastructure Installation - New	25	25	25	25	25	25	46	15	211
EL 3	LED Area Lights - Replacements/Conversion	500	0	0	0	0	0	783	750	2,033
EL 4	LED Area Lights - New Installations	150	150	150	150	150	150	340	133	1,373
EL 5	Padmount Transformers	1,000	1,000	1,000	1,000	1,000	1,000	849	968	7,817
EL 6	Overhead Transformers	400	400	400	400	400	400	249	383	3,032
EL 7	Underground Infrastructure Replacement - Residential	2,500	2,700	2,900	3,100	3,300	3,500	610	1,200	19,810
EL 8	Underground Infrastructure Replacement - Non Residential	500	600	700	800	900	1,000	2,076	750	7,326
EL 9	UG Feeder Exit Replacement Substations	500	500	500	500	500	500	184	100	3,284
EL 10	Underground Distribution Infrastructure Replacements (Non-	850	850	1,000	1,000	1,000	1,000	888	505	7,093
EL 11	Overhead Distribution System Circuit Improvements	75	75	75	75	75	75	80	71	601
EL 12	Distribution System Sectionalizing	250	500	500	250	250	250	0	250	2,250
EL 13	Bragg Boulevard Gateway Improvement - Phase II	0	0	0	0	1,150	1,150	0	0	2,300
EL 14	Overhead Infrastructure Improvements	1,000	1,250	1,250	1,000	1,000	1,000	278	1,000	7,778
EL 15	Street Lights - LED Conversion	250	0	0	0	0	0	1,840	750	2,840
EL 16	Thoroughfare LED Roadway Lighting-Conversion	500	0	0	0	0	0	499	750	1,749
EL 17	Thoroughfare LED Lighting - New Installations	50	2,500	750	500	500	500	0	0	4,800
EL 18	Street Lights - Contract Lighting LED Replacement/Conversi	250	0	0	0	0	0	340	100	690
EL 19	Street Lights - Contract Lighting - New LED Installations	100	100	100	100	100	100	5	50	655
EL 20	Conservation Load Reduction (CVR)	1,000	1,500	500	0	0	0	810	500	4,310
EL 21	System Reactive Power Compensation	300	300	300	300	200	200	525	225	2,350

SUMMARY BY PROJECT

REF #	PROJECT NAME	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	PRE-FY 2019	FY 2019 EST.	TOTAL COST
		(Dollars in thousands)								
EL 22	Fiber Optic Cable Line Extensions for Electric System Autom	500	400	500	600	600	700	138	420	3,858
EL 23	SONET Communications for Smart Grid	250	250	0	0	0	0	499	250	1,249
EL 24	Distribution Automation	750	1,000	1,250	1,500	1,500	1,500	99	500	8,099
EL 25	Sub-Transmission Pole Replacement	1,500	1,500	1,500	1,500	1,500	1,500	1,197	1,350	11,547
EL 26	66 kV System Sectionalizing Improvements	300	300	300	300	300	300	67	225	2,092
EL 27	Distribution Circuit Breaker Replacement	350	350	350	350	350	350	154	335	2,589
EL 28	Distribution Substation Equipment Replacement	100	100	100	100	100	100	24	75	699
EL 29	T/D Sub Differential and Back-Up Overcurrent Relay Replac	150	150	150	150	150	150	99	75	1,074
EL 30	T/D Sub 66 kV Power Transformer Protection Equipment Up	500	500	500	500	500	500	424	475	3,899
EL 31	T/D Substation Control Building Replacement	200	200	200	200	200	200	0	200	1,400
EL 32	Transmission - Distribution Substation Oil Containment Syst	100	100	100	0	0	0	0	75	375
EL 33	Fenix 67-25 kV Substation Upgrade	200	0	0	0	0	0	677	1,500	2,377
EL 34	Bordeaux 67-12 kV Substation Rebuild	1,800	50	0	0	0	0	0	50	1,900
EL 35	Black & Decker Substation Rebuild	75	1,825	0	0	0	0	0	0	1,900
EL 36	Hogan Street 67-12 kV Substation Transformer Replacemen	0	0	0	875	0	0	0	0	875
EL 37	FTI 66-12 kV Substation Rebuild and Relocation	0	1,000	3,200	300	0	0	0	0	4,500
EL 38	PO Hoffer 66-12 kV Substation Rebuild	0	1,000	1,000	0	0	0	0	0	2,000
EL 39	Distribution Substation 66-12 kV Power Transformer	850	1,500	850	850	0	850	0	0	4,900
EL 40	POD III Relaying Upgrade	1,200	0	0	0	0	0	0	100	1,300
EL 41	POD IV 230-66 kV Substation	0	0	0	0	125	1,000	1,387	0	2,512
EL 42	POD V 230-66 kV Substation Property Acquisition	750	0	0	0	0	0	0	0	750
EL 43	ROW Additions Distribution	150	150	150	150	150	150	49	0	949
EL 44	Downtown UG Infrastructure Reliability Improvements	1,000	0	0	0	0	0	66	0	1,066
EL 45	Underground Distribution / Streetscape Improvement	50	50	50	50	50	50	7	0	307
EL 46	CoF Person St 300 - 600 Block Streetscape Improvement	0	0	0	525	525	525	25	0	1,600
EL 47	CoF Langdon St Widening Project	0	0	0	0	300	0	0	0	300
EL 48	CoF Legend Avenue Re-Alignment	150	0	0	0	0	0	0	242	392
EL 49	NCDOT U-4405 Raeford Road Widening	13,650	2,925	90	0	0	0	2,320	4,375	23,360
EL 50	NCDOT Rowan Street Bridge Replacement	250	0	0	0	0	0	1,874	50	2,174
EL 51	NCDOT U-3424 Bunce Road Widening	375	375	125	0	0	0	0	0	875
EL 52	NCDOT U-4900 Murchison Road Widening	0	0	325	775	150	0	0	0	1,250
EL 53	NCDOT U-4403B Ramsey Street Widening	500	1,250	4,100	1,100	200	0	0	0	7,150
EL 54	NCDOT U-5798 Gillis Hill Road Widening	400	1,100	1,200	150	0	0	0	50	2,900
EL 55	NCDOT U-5101 Stacey Weaver Drive Widening	0	200	1,000	2,100	4,450	250	0	0	8,000
EL 56	NCDOT U-4404 Cliffdale Road Widening	0	100	500	1,800	1,650	200	0	0	4,250
EL 57	Heat Exchanger Upgrade	540	375	0	0	0	0	0	370	1,285
EL 58	BWGP HVAC Equipment Replacement - Steam Turbine Cor	140	0	0	0	0	0	0	0	140
EL 59	DMS Software and Implementation	750	0	0	0	0	0	0	0	750
EL 60	BWGP 72.5 kV Power Circuit Breaker Replacement	950	0	0	0	0	0	0	0	950
EL 61	230-67kV Auto-Transformer	325	2,375	0	0	0	0	0	0	2,700
EL 62	ABB Control System Microsoft Windows Upgrade	350	0	0	0	0	0	0	0	350
	TOTAL ELECTRIC SYSTEMS	**40,855**	**33,175**	**29,340**	**24,775**	**25,100**	**20,975**	**21,176**	**20,467**	**215,863**
	TOTAL ALL PROJECTS	**142,097**	**115,176**	**134,156**	**115,790**	**116,592**	**126,935**	**109,016**	**92,533**	**952,294**

SUMMARY BY CATEGORY

REF #	PROJECT NAME	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	PRE-FY 2019	FY 2019 EST.	TOTAL COST
		(Dollars in thousands)								
	METERS									
CP 1	Electric Meters and Metering Equipment	370	242	244	247	250	253	85	900	2,591
CP 2	Water Meters	489	317	325	334	337	342	269	490	2,903
	TOTAL METERS	**859**	**559**	**569**	**581**	**587**	**595**	**354**	**1,390**	**5,494**
	BUILDINGS & IMPROVEMENTS									
CS 1	Robert C. Williams Business Center Upfit	0	60	60	60	60	60	20	0	320
CS 2	Fleet Bay Expansion	8,430	226	0	0	0	0	120	600	9,376
CS 3	Multipurpose Building	0	300	8,700	1,040	0	0	0	0	10,040
CS 4	Upgrade Warehouse Yard	100	0	0	0	0	0	179	640	919
CS 5	Backup Emergency Power for Main Complex Buildings	380	0	0	0	0	0	0	0	380
CS 6	Replace Warehouse Roof	580	0	0	0	0	0	0	0	580
CS 7	Replace Administration Building Roof	50	0	0	0	0	0	0	120	170
CS 8	Emergency Operations Facility	660	60	0	0	0	0	0	0	720
CS 10	Security Upgrades for Customer Service Center	160	0	0	0	0	0	0	17	177
	TOTAL BUILDINGS & IMPROVEMENTS	**10,360**	**646**	**8,760**	**1,100**	**60**	**60**	**319**	**1,377**	**22,682**
	INHOUSE COMPUTER SYSTEMS									
CS 9	OMS Software and Implementation	400	0	50	0	50	0	0	657	1,157
	TOTAL INHOUSE COMPUTER SYSTEMS	**400**	**0**	**50**	**0**	**50**	**0**	**0**	**657**	**1,157**
	NCDOT ELECTRIC									
EL 49	NCDOT U-4405 Raeford Road Widening	13,650	2,925	90	0	0	0	2,320	4,375	23,360
EL 50	NCDOT Rowan Street Bridge Replacement	250	0	0	0	0	0	1,874	50	2,174
EL 51	NCDOT U-3424 Bunce Road Widening	375	375	125	0	0	0	0	0	875
EL 52	NCDOT U-4900 Murchison Road Widening	0	0	325	775	150	0	0	0	1,250
EL 53	NCDOT U-4403B Ramsey Street Widening	500	1,250	4,100	1,100	200	0	0	0	7,150
EL 54	NCDOT U-5798 Gillis Hill Road Widening	400	1,100	1,200	150	0	0	0	50	2,900
EL 55	NCDOT U-5101 Stacey Weaver Drive Widening	0	200	1,000	2,100	4,450	250	0	0	8,000
EL 56	NCDOT U-4404 Cliffdale Road Widening	0	100	500	1,800	1,650	200	0	0	4,250
	TOTAL NCDOT ELECTRIC	**15,175**	**5,950**	**7,340**	**5,925**	**6,450**	**450**	**4,194**	**4,475**	**49,959**
	NCDOT W/WW									
WS 30	Utility Improvements for NCDOT Resurfacing and Stormwa	90	90	90	90	90	90	116	9	665
WS 31	NCDOT B-4491 Bridge # 22 Replacement, NC 59 over I-95	436	0	0	0	0	0	3	16	455
WS 32	NCDOT U-6072A SR1112 (Rockfish Rd) from Strickland Bı	173	158	55	25	25	2,249	0	45	2,730
WS 33	NCDOT U-6073 Fisher Rd. from Strickland Bridge Rd. to N	542	746	206	110	35	7,100	0	5	8,744
WS 34	NCDOT U-4405 Raeford Rd Median Improv, Hampton Oak	710	361	5,183	190	5,183	190	1,224	275	13,316
WS 35	NCDOT W-5601FO Roundabout at Baywood Rd. and Murp	25	0	0	0	0	0	0	3	28
WS 36	NCDOT B-4490, Bridge # 116 Replacement, over CSX RR,	75	0	0	0	0	0	53	10	138
WS 37	NCDOT U2519CB Fay Outer Lp WM Relocation	675	0	0	0	0	0	19	10	704
WS 38	NCDOT U-2519C A/B-5516 Fayetteville Outer Loop South (	20	15	466	0	0	0	2	13	516
WS 39	NCDOT U-2519B A/BB Fayetteville Outer Loop from South	15	15	10	10	5,730	0	5	14	5,799
WS 40	NCDOT U-4403 Ramsey Street Widening - Water	950	1,125	775	275	275	225	0	200	3,825
WS 41	NCDOT U-4404 Cliffdale Road Widening - Water	185	180	125	135	80	55	0	80	840
WS 42	NCDOT U-4900 Murchison Road Widening - Water	235	330	130	135	75	50	0	80	1,035
WS 43	NCDOT U-5101 Shaw Rd to Stacey Weaver Dr Widening -	0	0	885	440	170	170	0	0	1,665
WS 44	NCDOT U-5798 Gillis Hill Road Widening - Water	155	225	135	1,055	30	0	0	0	1,600
WS 45	NCDOT U-3422 Camden Rd Widening - Water	1,445	945	135	135	135	11,020	0	130	13,945
WS 46	NCDOT U-2519A A/AB - Fayetteville Outer Loop from Sout	15	15	1,049	0	0	0	0	6	1,085
WS 47	NCDOT U-4414 - All American Freeway Widening from Ow	0	3	3	5	12	62	0	0	85
WS 48	NCDOT U-4709 Rockfish Road, Golfview Drive to NC 59 - '	240	125	55	60	60	2,935	0	50	3,525
WS 49	NCDOT U-6072B, SR1112 (Rockfish Rd) from Camden Rd	5	5	103	181	25	25	0	2	346

SUMMARY BY CATEGORY

REF #	PROJECT NAME	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	PRE-FY 2019	FY 2019 EST.	TOTAL COST
		(Dollars in thousands)								
WS 94	Utility Improvements for NCDOT Resurfacing and Stormwa	10	10	10	10	10	10	30	5	95
WS 95	NCDOT B-4491 Bridge # 22 Replacement, NC 59 over I-95	153	0	0	0	0	0	2	6	161
WS 96	NCDOT U-6073 Fisher Rd. from Strickland Bridge Rd. to N	84	34	13	15	15	464	0	1	626
WS 97	NCDOT B-4490, Bridge #116 Replacement, over CSX RR	435	0	0	0	0	0	53	8	496
WS 98	NCDOT U-2519C A/B-5516 Fayetteville Outer Loop South	20	10	231	0	0	0	5	17	283
WS 99	NCDOT U-2519B A/BB Fayetteville Outer Loop from South	10	10	10	5	753	0	2	10	800
WS 100	NCDOT U-4403 Ramsey Street Widening - Sewer	475	465	265	140	140	140	0	600	2,225
WS 101	NCDOT U-4404 Cliffdale Road Widening - Sewer	70	70	55	40	30	30	0	30	325
WS 102	NCDOT U-4900 Murchison Road Widening - Sewer	120	170	85	85	45	45	0	30	580
WS 103	NCDOT U-5101 Shaw Rd to Stacey Weaver Dr Widening -	0	0	320	165	45	45	0	0	575
WS 104	NCDOT U-5798 Gillis Hill Road Widening - Sewer	75	73	53	530	15	0	0	0	746
WS 105	NCDOT U-3422 Camden Rd Widening - Sewer	170	120	30	30	25	910	0	25	1,310
WS 106	NCDOT U-6072A SR1112 (Rockfish Rd) from Strickland Br	43	43	23	15	15	36	0	12	187
WS 107	NCDOT U-4405 Raeford Rd Median Improv, Hampton Oak	80	70	433	70	226	70	313	93	1,355
WS 108	NCDOT U-4414 - All American Freeway Widening from Ow	0	2	2	3	5	33	0	0	45
WS 109	NCDOT U-4709 Rockfish Road, Golfview Drive to NC 59 -	55	30	20	25	25	715	0	15	885
WS 110	NCDOT W-5601CD - Medians and Leftovers on US 301/Ea	22	0	0	0	0	0	0	5	27
WS 111	NCDOT U-2519AA/AB - Fayetteville Outer Loop from Soutl	15	10	381	0	0	0	0	3	409
WS 112	NCDOT U-6072B, SR1112 (Rockfish Rd) from Camden Rd	3	3	45	80	18	18	0	1	168
WS 113	NCDOT U-6001 NC 59 Widening, Parkton Road to US 301	85	55	55	40	40	40	0	0	315
	TOTAL NCDOT W/WW	**7,916**	**5,513**	**11,436**	**4,099**	**13,332**	**26,727**	**1,827**	**1,809**	**72,659**
	CITY OF FAYETTEVILLE-ELECTRIC									
EL 44	Downtown UG Infrastructure Reliability Improvements	1,000	0	0	0	0	0	66	0	1,066
EL 45	Underground Distribution / Streetscape Improvement	50	50	50	50	50	50	7	0	307
EL 46	CoF Person St 300 - 600 Block Streetscape Improvement	0	0	0	525	525	525	25	0	1,600
EL 47	CoF Langdon St Widening Project	0	0	0	0	300	0	0	0	300
EL 48	CoF Legend Avenue Re-Alignment	150	0	0	0	0	0	0	242	392
	TOTAL CITY OF FAYETTEVILLE-ELECTRIC	**1,200**	**50**	**50**	**575**	**875**	**575**	**98**	**242**	**3,665**
	CITY OF FAYETTEVILLE-W/WW									
WS 26	COF - Storm Water Utility Improvements for City of Fayette	773	773	270	270	270	270	99	134	2,859
WS 27	COF Louise Street Water Relocation	195	0	0	0	0	0	0	15	210
WS 90	City of Fayetteville Storm Sewer Utility Improvements	729	729	221	221	221	221	55	44	2,441
WS 92	COF Louise Street Sewer Relocation	95	0	0	0	0	0	0	15	110
	TOTAL CITY OF FAYETTEVILLE-W/WW	**1,792**	**1,502**	**491**	**491**	**491**	**491**	**154**	**208**	**5,620**
	NEW SERVICES(INCL TRANSFORMERS)-ELECTRIC									
EL 1	Underground Distribution Infrastructure Installations – New	1,500	1,600	1,650	1,700	1,750	1,800	1,668	1,250	12,918
EL 2	Overhead Infrastructure Installation - New	25	25	25	25	25	25	46	15	211
EL 5	Padmount Transformers	1,000	1,000	1,000	1,000	1,000	1,000	849	968	7,817
EL 6	Overhead Transformers	400	400	400	400	400	400	249	383	3,032
EL 22	Fiber Optic Cable Line Extensions for Electric System Autor	500	400	500	600	600	700	138	420	3,858
	TOTAL NEW SERVICES(INCL XFRMRS)-ELECTRIC	**3,425**	**3,425**	**3,575**	**3,725**	**3,775**	**3,925**	**2,950**	**3,036**	**27,836**
	NEW SERVICES-W/WW									
WS 2	New Water Service Laterals and Water Main Extensions	600	618	636	655	675	695	621	459	4,959
WS 4	New Hydrant and Valve Installation	124	126	128	130	133	136	141	108	1,026
WS 51	New Sewer Service Laterals and Sewer Main Extensions	500	526	553	581	610	640	549	381	4,340
	TOTAL NEW SERVICES-W/WW	**1,224**	**1,270**	**1,317**	**1,366**	**1,418**	**1,471**	**1,311**	**948**	**10,325**
	ANNEXATION									
WS 7	Phase V Annexation - Water Main Extension	2,182	2,288	950	2,181	3,618	3,963	224	560	15,966

SUMMARY BY CATEGORY

REF #	PROJECT NAME	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	PRE-FY 2019	FY 2019 EST.	TOTAL COST
		(Dollars in thousands)								
WS 60	Phase V Annexation	21,850	27,910	24,657	23,471	22,226	23,096	64,874	14,000	222,084
	TOTAL ANNEXATION	**24,032**	**30,198**	**25,607**	**25,652**	**25,844**	**27,059**	**65,098**	**14,560**	**238,050**
	REHABILITATION-W/WW									
WS 3	Water Lateral Renewals (PWC Forces)	900	945	992	1,042	1,094	1,149	995	641	7,758
WS 5	Water Distribution System Rehabilitation	6,000	6,750	7,500	8,500	9,500	10,750	4,907	5,500	59,407
WS 52	Sewer Lateral Renewals (PWC Forces)	800	820	840	861	883	905	611	604	6,324
WS 53	Lift Station Rehabilitation	610	610	610	0	0	0	0	356	2,186
WS 54	Sanitary Sewer Manhole Rehabilitation	2,000	2,100	2,200	2,300	2,400	2,500	1,358	1,604	16,462
WS 55	Sanitary Sewer Main Rehabilitation	6,000	7,000	8,000	9,000	10,000	11,500	4,970	5,474	61,944
WS 81	Rehab Cross Creek Influent Pump Station	6,010	0	0	0	0	0	310	3,902	10,222
	TOTAL REHABILITATION-W/WW	**22,320**	**18,225**	**20,142**	**21,703**	**23,877**	**26,804**	**13,151**	**18,081**	**164,303**
	OUTFALL REHABILITATION									
WS 56	Line 54" Outfall - Research Drive to I-95	315	1,715	0	0	0	0	0	10	2,040
WS 68	Rehabilitation of the Blounts Creek Outfall, Campbell to Ru	0	0	610	0	0	0	0	0	610
WS 69	Line the Cross Creek Outfall, Blue Street to Gale Street	5,510	620	0	0	0	0	202	201	6,533
WS 70	Line Beaver Creek Outfall, Phase I	705	0	0	0	0	0	15	1,755	2,475
WS 71	Line Beaver Creek Outfall, Phase II	0	275	2,510	0	0	0	0	0	2,785
WS 72	Line the Beaver Creek Outfall, Phase III	0	0	0	1,010	1,110	0	0	0	2,120
WS 73	Line Beaver Creek Outfall, Phase IV	0	0	0	0	1,010	1,110	0	0	2,120
WS 74	Line Beaver Creek Outfall, Phase V	0	0	0	0	0	1,010	0	0	1,010
WS 75	Line 54" Outfall - I-95 to Claude Lee Road	0	10	715	1,415	0	0	0	0	2,140
	TOTAL OUTFALL REHABILITATION	**6,530**	**2,620**	**3,835**	**2,425**	**2,120**	**2,120**	**217**	**1,966**	**21,833**
	PLANT IMPROVEMENTS-W/WW									
WS 23	Glenville Lake Filter Control System Upgrades	345	0	0	0	0	0	31	512	888
WS 82	Cross Creek WRF Secondary Screening Improvements	1,145	0	0	0	0	0	189	1,136	2,470
WS 83	Cross Creek WRF Secondary Clarifiers Mechanism Replac	605	0	0	0	0	0	0	0	605
WS 86	Rockfish Creek WRF Screening Improvements	80	1,661	562	0	0	0	0	141	2,444
	TOTAL PLANT IMPROVEMENTS-W/WW	**2,175**	**1,661**	**562**	**0**	**0**	**0**	**220**	**1,789**	**6,407**
	PLANT EXPANSION-W/WW									
WS 24	PO Hoffer WTF Capacity Expansion, Phase 2 – Expansion	0	0	0	0	0	2,000	1,022	1,580	4,602
WS 25	PO Hoffer WTF Capacity Expansion, Phase 3 – Residuals I	330	315	105	0	0	0	0	188	938
WS 85	Rockfish Creek WRF Expansion to 28 MGD	970	970	6,520	13,170	13,020	10,520	2	299	45,471
	TOTAL PLANT EXPANSION-W/WW	**1,300**	**1,285**	**6,625**	**13,170**	**13,020**	**12,520**	**1,024**	**2,067**	**51,011**
	HURRICANE MATTHEW-W/WW									
WS 28	Hurricane Matthew Improvement of Water Mains	635	0	0	0	0	0	364	348	1,347
WS 59	Kennedy Street Aerial Sewer Replacement	361	0	0	0	0	0	15	38	414
WS 84	Rockfish Creek WRF Filters #1 - #6 Rehabilitation	1,334	0	0	0	0	0	121	2,822	4,277
WS 87	Rockfish Creek WRF Effluent Outfall Repairs	90	0	0	0	0	0	48	541	679
WS 89	Hurricane Matthew Improvement of Sewer Mains	970	0	0	0	0	0	1,238	1,698	3,906
	TOTAL HURRICANE MATTHEW-W/WW	**3,390**	**0**	**0**	**0**	**0**	**0**	**1,786**	**5,447**	**10,623**
	OTHER W/WW SYSTEM IMPROVEMENTS									
WS 1	Land and Land Rights - Water	19	19	19	19	19	19	19	18	151
WS 6	Braxton Road 12" Water Main Extension	0	75	260	195	0	0	0	0	530
WS 8	Replace Existing Water Mains not Encased Under Railroad	880	880	855	870	500	0	121	1,740	5,846
WS 9	Chicken Foot Road 16" Water Main Interconnect	100	1,395	0	0	0	0	0	200	1,695
WS 10	West Fayetteville Pressure Zone Improvements	0	210	2,960	5,520	2,370	0	0	0	11,060
WS 11	Sandhill Road 12" Water Main Extension	0	0	0	150	585	450	0	0	1,185

SUMMARY BY CATEGORY

REF #	PROJECT NAME	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	PRE-FY 2019	FY 2019 EST.	TOTAL COST
		(Dollars in thousands)								
WS 12	Cliffdale Road Transmission Water Main Improvements	130	930	720	0	0	0	0	0	1,780
WS 13	US HWY 401 North - Water Improvements (Contract 1)	280	0	0	0	0	0	434	1,179	1,893
WS 14	US HWY 401 North - Booster Pump Station (Contract 2)	680	0	0	0	0	0	0	381	1,061
WS 15	US HWY 401 North - Elevated Water Tank (Contract 3)	0	18	2,100	0	0	0	0	129	2,247
WS 16	High Pressure Zone Transmission Water Main Improvemer	265	265	365	515	3,365	2,910	0	0	7,685
WS 17	Glenville Water Main Replacement, Filter Plant to Coley	203	322	0	0	0	0	0	30	555
WS 18	Gillespie Street Water Main Replacement	0	260	210	2,930	0	0	0	0	3,400
WS 19	Cottonade Water Main Replacement	2,295	0	0	0	0	0	148	85	2,528
WS 20	Scottsdale Water Main Replacement	1,640	0	0	0	0	0	57	124	1,821
WS 21	Southern Avenue Water Main Replacement, Camden to Gil	0	0	155	210	2,410	0	0	0	2,775
WS 22	Southern Avenue Water Main Replacement, Camden to Gil	0	0	0	160	210	2,660	0	0	3,030
WS 29	Utility Improvements for the Town of Hope Mills Stormwater	300	50	50	50	50	50	101	40	691
WS 50	Land and Land Rights - Sewer	19	19	19	19	19	19	12	2	128
WS 57	Rockfish Creek Basin Peak Flow Facilities	795	8,154	7,949	0	0	0	323	1,150	18,370
WS 58	Freedom Town Center Sewer Replacement	540	545	0	0	0	0	95	88	1,268
WS 61	Carver's Creek (North Fayetteville) Sewer Line	1,143	0	0	0	0	0	308	4,046	5,497
WS 62	Clifton Drive Sewer Main Relocation	2,870	0	0	0	0	0	52	249	3,171
WS 63	Old Wilmington Road Sewer Upgrades	0	0	0	0	55	410	6	0	471
WS 64	Murchison Road Sewer Improvements, (Jasper St. to Murcl	10	810	810	0	0	0	28	10	1,668
WS 65	B Street Parallel Sewer	0	0	0	85	345	605	0	0	1,035
WS 66	Branson Creek Interceptor Replacement, Phase I	0	35	180	1,060	0	0	0	0	1,275
WS 67	Branson Creek Interceptor Replacement, Phase II	0	0	25	390	640	940	0	0	1,995
WS 76	Big Rockfish Sanitary Sewer Outfall	1,075	1,085	6,270	5,985	50	0	517	582	15,564
WS 77	Big Rockfish Sanitary Sewer Outfall - Lift Station Eliminatio	515	490	2,425	2,220	25	0	0	318	5,993
WS 78	North Fayetteville Lift Station Upgrades - Phase 2	205	40	0	0	0	0	0	150	395
WS 79	North Fayetteville Lift Station Upgrades - Phase 4	185	835	0	0	0	0	0	150	1,170
WS 80	Replacement of 20" North Fayetteville Main	4,000	0	0	0	0	0	0	11,000	15,000
WS 88	Longview Lift Station and Force Main Upgrade	235	1,410	0	0	0	0	0	85	1,730
WS 91	Ann Street Sewer Relocation (Aerial Crossing)	365	0	0	0	0	0	67	6	438
WS 93	Utility Improvements for the Town of Hope Mills Stormwater	100	50	50	50	50	50	91	5	446
WS 114	Replacement of the Shadowlawn Aerial Sewer Crossing	95	625	0	0	0	0	0	0	720
	TOTAL OTHER W/WW SYSTEM IMPROVEMENTS	**18,944**	**18,522**	**25,422**	**20,428**	**10,693**	**8,113**	**2,379**	**21,767**	**126,267**
	BUTLER WARNER GENERATION PLANT									
EL 57	Heat Exchanger Upgrade	540	375	0	0	0	0	0	370	1,285
EL 58	BWGP HVAC Equipment Replacement - Steam Turbine Cc	140	0	0	0	0	0	0	0	140
EL 60	BWGP 72.5 kV Power Circuit Breaker Replacement	950	0	0	0	0	0	0	0	950
EL 62	ABB Control System Microsoft Windows Upgrade	350	0	0	0	0	0	0	0	350
	TOTAL BUTLER WARNER GENERATION PLANT	**1,980**	**375**	**0**	**0**	**0**	**0**	**0**	**370**	**2,725**
	SUBSTATIONS									
EL 9	UG Feeder Exit Replacement Substations	500	500	500	500	500	500	184	100	3,284
EL 28	Distribution Substation Equipment Replacement	100	100	100	100	100	100	24	75	699
EL 31	T/D Substation Control Building Replacement	200	200	200	200	200	200	0	200	1,400
EL 32	Transmission - Distribution Substation Oil Containment Sys	100	100	100	0	0	0	0	75	375
EL 33	Fenix 67-25 kV Substation Upgrade	200	0	0	0	0	0	677	1,500	2,377
EL 34	Bordeaux 67-12 kV Substation Rebuild	1,800	50	0	0	0	0	0	50	1,900
EL 35	Black & Decker Substation Rebuild	75	1,825	0	0	0	0	0	0	1,900
EL 36	Hogan Street 67-12 kV Substation Transformer Replaceme	0	0	0	875	0	0	0	0	875
EL 37	FTI 66-12 kV Substation Rebuild and Relocation	0	1,000	3,200	300	0	0	0	0	4,500
EL 38	PO Hoffer 66-12 kV Substation Rebuild	0	1,000	1,000	0	0	0	0	0	2,000
EL 39	Distribution Substation 66-12 kV Power Transformer	850	1,500	850	850	0	850	0	0	4,900
EL 40	POD III Relaying Upgrade	1,200	0	0	0	0	0	0	100	1,300
EL 41	POD IV 230-66 kV Substation	0	0	0	0	125	1,000	1,387	0	2,512

SUMMARY BY CATEGORY

REF #	PROJECT NAME	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	PRE-FY 2019	FY 2019 EST.	TOTAL COST
		(Dollars in thousands)								
EL 42	POD V 230-66 kV Substation Property Acquisition	750	0	0	0	0	0	0	0	750
EL 43	ROW Additions Distribution	150	150	150	150	150	150	49	0	949
EL 61	230-67kV Auto-Transformer	325	2,375	0	0	0	0	0	0	2,700
	TOTAL SUBSTATIONS	**6,250**	**8,800**	**6,100**	**2,975**	**1,075**	**2,800**	**2,321**	**2,100**	**32,421**
	LIGHTING									
EL 3	LED Area Lights - Replacements/Conversion	500	0	0	0	0	0	783	750	2,033
EL 4	LED Area Lights - New Installations	150	150	150	150	150	150	340	133	1,373
EL 13	Bragg Boulevard Gateway Improvement - Phase II	0	0	0	0	1,150	1,150	0	0	2,300
EL 15	Street Lights - LED Conversion	250	0	0	0	0	0	1,840	750	2,840
EL 16	Thoroughfare LED Roadway Lighting-Conversion	500	0	0	0	0	0	499	750	1,749
EL 17	Thoroughfare LED Lighting - New Installations	50	2,500	750	500	500	500	0	0	4,800
EL 18	Street Lights - Contract Lighting LED Replacement/Convers	250	0	0	0	0	0	340	100	690
EL 19	Street Lights - Contract Lighting - New LED Installations	100	100	100	100	100	100	5	50	655
	TOTAL LIGHTING	**1,800**	**2,750**	**1,000**	**750**	**1,900**	**1,900**	**3,807**	**2,533**	**16,440**
	ELECTRIC SYSTEM IMPROVEMENTS									
EL 7	Underground Infrastructure Replacement - Residential	2,500	2,700	2,900	3,100	3,300	3,500	610	1,200	19,810
EL 8	Underground Infrastructure Replacement - Non Residential	500	600	700	800	900	1,000	2,076	750	7,326
EL 10	Underground Distribution Infrastructure Replacements (Nor	850	850	1,000	1,000	1,000	1,000	888	505	7,093
EL 11	Overhead Distribution System Circuit Improvements	75	75	75	75	75	75	80	71	601
EL 12	Distribution System Sectionalizing	250	500	500	250	250	250	0	250	2,250
EL 14	Overhead Infrastructure Improvements	1,000	1,250	1,250	1,000	1,000	1,000	278	1,000	7,778
EL 20	Conservation Load Reduction (CVR)	1,000	1,500	500	0	0	0	810	500	4,310
EL 21	System Reactive Power Compensation	300	300	300	300	200	200	525	225	2,350
EL 23	SONET Communications for Smart Grid	250	250	0	0	0	0	499	250	1,249
EL 24	Distribution Automation	750	1,000	1,250	1,500	1,500	1,500	99	500	8,099
EL 25	Sub-Transmission Pole Replacement	1,500	1,500	1,500	1,500	1,500	1,500	1,197	1,350	11,547
EL 26	66 kV System Sectionalizing Improvements	300	300	300	300	300	300	67	225	2,092
EL 27	Distribution Circuit Breaker Replacement	350	350	350	350	350	350	154	335	2,589
EL 29	T/D Sub Differential and Back-Up Overcurrent Relay Repla	150	150	150	150	150	150	99	75	1,074
EL 30	T/D Sub 66 kV Power Transformer Protection Equipment U	500	500	500	500	500	500	424	475	3,899
EL 59	DMS Software and Implementation	750	0	0	0	0	0	0	0	750
	TOTAL ELECTRIC SYSTEM IMPROVEMENTS	**11,025**	**11,825**	**11,275**	**10,825**	**11,025**	**11,325**	**7,806**	**7,711**	**82,817**
	TOTAL ALL PROJECTS	**142,097**	**115,176**	**134,156**	**115,790**	**116,592**	**126,935**	**109,016**	**92,533**	**952,294**

SUMMARY BY FUNDING SOURCE

REF #	PROJECT NAME	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	PRE-FY 2019	FY 2019 EST.	TOTAL COST
					(Dollars in thousands)					
	CUSTOMER PROGRAMS									
CP 1	Electric Meters and Metering Equipment	370	242	244	247	250	253	85	900	2,591
	ELECTRIC FUND	**370**	**242**	**244**	**247**	**250**	**253**	**85**	**900**	**2,591**
CP 2	Water Meters	489	317	325	334	337	342	269	490	2,903
	WATER/SEWER FUND	**489**	**317**	**325**	**334**	**337**	**342**	**269**	**490**	**2,903**
	TOTAL CUSTOMER PROGRAMS	**859**	**559**	**569**	**581**	**587**	**595**	**354**	**1,390**	**5,494**
	CORPORATE SERVICES									
CS 1	Robert C. Williams Business Center Upfit	0	60	60	60	60	60	20	0	320
CS 3	Multipurpose Building	0	300	8,700	1,040	0	0	0	0	10,040
CS 4	Upgrade Warehouse Yard	50	0	0	0	0	0	89	640	779
CS 5	Backup Emergency Power for Main Complex Buildings	380	0	0	0	0	0	0	0	380
CS 6	Replace Warehouse Roof	290	0	0	0	0	0	0	0	290
CS 7	Replace Administration Building Roof	50	0	0	0	0	0	0	120	170
CS 8	Emergency Operations Facility	660	60	0	0	0	0	0	0	720
CS 9	OMS Software and Implementation	200	0	25	0	25	0	0	328	578
CS 10	Security Upgrades for Customer Service Center	160	0	0	0	0	0	0	17	177
	ELECTRIC FUND	**1,790**	**420**	**8,785**	**1,100**	**85**	**60**	**109**	**1,105**	**13,454**
CS 4	Upgrade Warehouse Yard	50	0	0	0	0	0	90	0	140
CS 6	Replace Warehouse Roof	290	0	0	0	0	0	0	0	290
CS 9	OMS Software and Implementation	200	0	25	0	25	0	0	329	579
	WATER FUND	**540**	**0**	**25**	**0**	**25**	**0**	**90**	**329**	**1,009**
CS 2	Fleet Bay Expansion	8,430	226	0	0	0	0	120	600	9,376
	FLEET MAINTENANCE FUND	**8,430**	**226**	**0**	**0**	**0**	**0**	**120**	**600**	**9,376**
	TOTAL CORPORATE SERVICES	**10,760**	**646**	**8,810**	**1,100**	**110**	**60**	**319**	**2,034**	**23,839**
	WATER RESOURCES									
WS 1	Land and Land Rights - Water	19	19	19	19	19	19	19	18	151
WS 2	New Water Service Laterals and Water Main Extensions	600	618	636	655	675	695	621	459	4,959
WS 3	Water Lateral Renewals (PWC Forces)	900	945	992	1,042	1,094	1,149	995	641	7,758
WS 4	New Hydrant and Valve Installation	124	126	128	130	133	136	141	108	1,026
WS 5	Water Distribution System Rehabilitation	0	6,750	7,500	8,500	9,500	10,750	0	0	43,000
WS 6	Braxton Road 12" Water Main Extension	0	75	260	195	0	0	0	0	530
WS 8	Replace Existing Water Mains not Encased Under Railroad (	880	880	855	870	500	0	121	1,740	5,846
WS 11	Sandhill Road 12" Water Main Extension	0	0	0	150	585	450	0	0	1,185
WS 12	Cliffdale Road Transmission Water Main Improvements	130	930	720	0	0	0	0	0	1,780
WS 17	Glenville Water Main Replacement, Filter Plant to Coley	203	322	0	0	0	0	0	30	555
WS 23	Glenville Lake Filter Control System Upgrades	345	0	0	0	0	0	31	512	888
WS 25	PO Hoffer WTF Capacity Expansion, Phase 3 – Residuals F	330	315	105	0	0	0	0	188	938
WS 26	COF - Storm Water Utility Improvements for City of Fayettev	773	773	270	270	270	270	99	134	2,859
WS 27	COF Louise Street Water Relocation	195	0	0	0	0	0	0	15	210
WS 29	Utility Improvements for the Town of Hope Mills Stormwater	300	50	50	50	50	50	101	40	691
WS 30	Utility Improvements for NCDOT Resurfacing and Stormwate	90	90	90	90	90	90	116	9	665
WS 31	NCDOT B-4491 Bridge # 22 Replacement, NC 59 over I-95 I	8	0	0	0	0	0	3	16	27
WS 32	NCDOT U-6072A SR1112 (Rockfish Rd) from Strickland Bri	173	158	55	25	25	25	0	45	506

SUMMARY BY FUNDING SOURCE

REF #	PROJECT NAME	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	PRE-FY 2019	FY 2019 EST.	TOTAL COST
					(Dollars in thousands)					
WS 33	NCDOT U-6073 Fisher Rd. from Strickland Bridge Rd. to NC	542	746	206	110	35	68	0	5	1,712
WS 34	NCDOT U-4405 Raeford Rd Median Improv, Hampton Oaks	710	361	190	190	190	190	1,224	275	3,330
WS 35	NCDOT W-5601FO Roundabout at Baywood Rd. and Murph	25	0	0	0	0	0	0	3	28
WS 36	NCDOT B-4490, Bridge # 116 Replacement, over CSX RR,	10	0	0	0	0	0	0	0	10
WS 37	NCDOT U2519CB Fay Outer Lp WM Relocation	5	0	0	0	0	0	0	0	5
WS 38	NCDOT U-2519C A/B-5516 Fayetteville Outer Loop South of	20	15	3	0	0	0	2	13	53
WS 39	NCDOT U-2519B A/BB Fayetteville Outer Loop from South c	15	15	10	10	3	0	5	14	72
WS 40	NCDOT U-4403 Ramsey Street Widening - Water	950	1,125	775	275	275	225	0	200	3,825
WS 41	NCDOT U-4404 Cliffdale Road Widening - Water	185	180	125	135	80	55	0	80	840
WS 42	NCDOT U-4900 Murchison Road Widening - Water	235	330	130	135	75	50	0	80	1,035
WS 43	NCDOT U-5101 Shaw Rd to Stacey Weaver Dr Widening - \	0	0	885	440	170	170	0	0	1,665
WS 44	NCDOT U-5798 Gillis Hill Road Widening - Water	155	225	135	1,055	30	0	0	0	1,600
WS 45	NCDOT U-3422 Camden Rd Widening - Water	1,445	945	135	135	135	20	0	130	2,945
WS 46	NCDOT U-2519A A/AB - Fayetteville Outer Loop from South	15	15	10	0	0	0	0	6	46
WS 47	NCDOT U-4414 - All American Freeway Widening from Owe	0	3	3	5	12	62	0	0	85
WS 48	NCDOT U-4709 Rockfish Road, Golfview Drive to NC 59 - W	240	125	55	60	60	35	0	50	625
WS 49	NCDOT U-6072B, SR1112 (Rockfish Rd) from Camden Rd.	5	5	103	181	25	25	0	2	346
WS 50	Land and Land Rights - Sewer	19	19	19	19	19	19	12	2	128
WS 51	New Sewer Service Laterals and Sewer Main Extensions	500	526	553	581	610	640	549	381	4,340
WS 52	Sewer Lateral Renewals (PWC Forces)	800	820	840	861	883	905	611	604	6,324
WS 53	Lift Station Rehabilitation	610	610	610	0	0	0	0	356	2,186
WS 54	Sanitary Sewer Manhole Rehabilitation	2,000	2,100	2,200	2,300	2,400	2,500	1,358	1,604	16,462
WS 55	Sanitary Sewer Main Rehabilitation	0	7,000	8,000	9,000	10,000	11,500	0	0	45,500
WS 56	Line 54" Outfall - Research Drive to I-95	315	0	0	0	0	0	0	10	325
WS 57	Rockfish Creek Basin Peak Flow Facilities	45	98	53	0	0	0	0	0	195
WS 58	Freedom Town Center Sewer Replacement	540	545	0	0	0	0	95	88	1,268
WS 59	Kennedy Street Aerial Sewer Replacement	361	0	0	0	0	0	15	38	414
WS 64	Murchison Road Sewer Improvements, (Jasper St. to Murchi	10	810	810	0	0	0	28	10	1,668
WS 66	Branson Creek Interceptor Replacement, Phase I	0	35	180	1,060	0	0	0	0	1,275
WS 67	Branson Creek Interceptor Replacement, Phase II	0	0	25	390	640	940	0	0	1,995
WS 68	Rehabilitation of the Blounts Creek Outfall, Campbell to Russ	0	0	610	0	0	0	0	0	610
WS 74	Line Beaver Creek Outfall, Phase V	0	0	0	0	0	1,010	0	0	1,010
WS 76	Big Rockfish Sanitary Sewer Outfall	1,075	575	75	70	25	0	517	582	2,919
WS 77	Big Rockfish Sanitary Sewer Outfall - Lift Station Eliminations	515	75	200	70	15	0	0	318	1,193
WS 78	North Fayetteville Lift Station Upgrades - Phase 2	205	40	0	0	0	0	0	150	395
WS 79	North Fayetteville Lift Station Upgrades - Phase 4	185	835	0	0	0	0	0	150	1,170
WS 83	Cross Creek WRF Secondary Clarifiers Mechanism Replace	605	0	0	0	0	0	0	0	605
WS 84	Rockfish Creek WRF Filters #1 - #6 Rehabilitation	644	0	0	0	0	0	0	0	644
WS 85	Rockfish Creek WRF Expansion to 28 MGD	970	0	0	0	0	0	2	299	1,271
WS 86	Rockfish Creek WRF Screening Improvements	80	1,661	562	0	0	0	0	141	2,444
WS 90	City of Fayetteville Storm Sewer Utility Improvements	729	729	221	221	221	221	55	44	2,441
WS 91	Ann Street Sewer Relocation (Aerial Crossing)	365	0	0	0	0	0	67	6	438
WS 92	COF Louise Street Sewer Relocation	95	0	0	0	0	0	0	15	110
WS 93	Utility Improvements for the Town of Hope Mills Stormwater	100	50	50	50	50	50	91	5	446
WS 94	Utility Improvements for NCDOT Resurfacing and Stormwate	10	10	10	10	10	10	30	5	95
WS 95	NCDOT B-4491 Bridge # 22 Replacement, NC 59 over I-95 I	4	0	0	0	0	0	2	6	12
WS 96	NCDOT U-6073 Fisher Rd. from Strickland Bridge Rd. to NC	84	34	13	15	15	15	0	1	177
WS 97	NCDOT B-4490, Bridge #116 Replacement, over CSX RR &	60	0	0	0	0	0	0	0	60
WS 98	NCDOT U-2519C A/B-5516 Fayetteville Outer Loop South of	20	10	3	0	0	0	5	17	55
WS 99	NCDOT U-2519B A/BB Fayetteville Outer Loop from South c	10	10	10	5	2	0	2	10	49
WS 100	NCDOT U-4403 Ramsey Street Widening - Sewer	475	465	265	140	140	140	0	600	2,225
WS 101	NCDOT U-4404 Cliffdale Road Widening - Sewer	70	70	55	40	30	30	0	30	325
WS 102	NCDOT U-4900 Murchison Road Widening - Sewer	120	170	85	85	45	45	0	30	580

SUMMARY BY FUNDING SOURCE

REF #	PROJECT NAME	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	PRE-FY 2019	FY 2019 EST.	TOTAL COST
					(Dollars in thousands)					
WS 103	NCDOT U-5101 Shaw Rd to Stacey Weaver Dr Widening - S	0	0	320	165	45	45	0	0	575
WS 104	NCDOT U-5798 Gillis Hill Road Widening - Sewer	75	73	53	530	15	0	0	0	746
WS 105	NCDOT U-3422 Camden Rd Widening - Sewer	170	120	30	30	25	10	0	25	410
WS 106	NCDOT U-6072A SR1112 (Rockfish Rd) from Strickland Bri	43	43	23	15	15	13	0	12	164
WS 107	NCDOT U-4405 Raeford Rd Median Improv, Hampton Oaks	80	70	70	70	70	70	313	93	836
WS 108	NCDOT U-4414 - All American Freeway Widening from Owe	0	2	2	3	5	33	0	0	45
	TOTAL WATER/SEWER FUND	**21,871**	**34,469**	**30,517**	**30,602**	**29,394**	**32,803**	**7,230**	**10,464**	**197,349**
WS 57	Rockfish Creek Basin Peak Flow Facilities	750	8,056	7,896	0	0	0	323	1,150	18,175
WS 76	Big Rockfish Sanitary Sewer Outfall	0	510	6,195	5,915	25	0	0	0	12,645
WS 77	Big Rockfish Sanitary Sewer Outfall - Lift Station Eliminations	0	415	2,225	2,150	10	0	0	0	4,800
	NC STATE LOAN FUND	**750**	**8,981**	**16,316**	**8,065**	**35**	**0**	**323**	**1,150**	**35,620**
WS 31	NCDOT B-4491 Bridge # 22 Replacement, NC 59 over I-95 I	428	0	0	0	0	0	0	0	428
WS 32	NCDOT U-6072A SR1112 (Rockfish Rd) from Strickland Bri	0	0	0	0	0	2,224	0	0	2,224
WS 33	NCDOT U-6073 Fisher Rd. from Strickland Bridge Rd. to NC	0	0	0	0	0	7,032	0	0	7,032
WS 34	NCDOT U-4405 Raeford Rd Median Improv, Hampton Oaks	0	0	4,993	0	4,993	0	0	0	9,986
WS 36	NCDOT B-4490, Bridge # 116 Replacement, over CSX RR,	65	0	0	0	0	0	53	10	128
WS 37	NCDOT U2519CB Fay Outer Lp WM Relocation	670	0	0	0	0	0	19	10	699
WS 38	NCDOT U-2519C A/B-5516 Fayetteville Outer Loop South of	0	0	463	0	0	0	0	0	463
WS 39	NCDOT U-2519B A/BB Fayetteville Outer Loop from South c	0	0	0	0	5,150	0	0	0	5,150
WS 45	NCDOT U-3422 Camden Rd Widening - Water	0	0	0	0	0	11,000	0	0	11,000
WS 46	NCDOT U-2519A A/AB - Fayetteville Outer Loop from South	0	0	1,039	0	0	0	0	0	1,039
WS 48	NCDOT U-4709 Rockfish Road, Golfview Drive to NC 59 - W	0	0	0	0	0	2,900	0	0	2,900
WS 95	NCDOT B-4491 Bridge # 22 Replacement, NC 59 over I-95 I	149	0	0	0	0	0	0	0	149
WS 96	NCDOT U-6073 Fisher Rd. from Strickland Bridge Rd. to NC	0	0	0	0	0	449	0	0	449
WS 97	NCDOT B-4490, Bridge #116 Replacement, over CSX RR &	375	0	0	0	0	0	53	8	436
WS 98	NCDOT U-2519C A/B-5516 Fayetteville Outer Loop South of	0	0	228	0	0	0	0	0	228
WS 99	NCDOT U-2519B A/BB Fayetteville Outer Loop from South c	0	0	0	0	334	0	0	0	334
WS 105	NCDOT U-3422 Camden Rd Widening - Sewer	0	0	0	0	0	900	0	0	900
WS 106	NCDOT U-6072A SR1112 (Rockfish Rd) from Strickland Bri	0	0	0	0	0	23	0	0	23
WS 107	NCDOT U-4405 Raeford Rd Median Improv, Hampton Oaks	0	0	363	0	156	0	0	0	519
WS 109	NCDOT U-4709 Rockfish Road, Golfview Drive to NC 59 - S	0	0	0	0	0	700	0	0	700
WS 110	NCDOT W-5601CD - Medians and Leftovers on US 301/Eas	20	0	0	0	0	0	0	5	25
WS 111	NCDOT U-2519AA/AB - Fayetteville Outer Loop from South	0	0	376	0	0	0	0	0	376
	NC DOT RESERVE-W/WW	**1,707**	**0**	**7,462**	**0**	**10,633**	**25,228**	**125**	**33**	**45,188**
WS 7	Phase V Annexation - Water Main Extension	2,182	2,288	950	2,181	3,618	3,963	224	560	15,966
WS 39	NCDOT U-2519B A/BB Fayetteville Outer Loop from South c	0	0	0	0	577	0	0	0	577
WS 60	Phase V Annexation	21,850	27,910	24,657	23,471	22,226	23,096	64,874	14,000	222,084
WS 99	NCDOT U-2519B A/BB Fayetteville Outer Loop from South c	0	0	0	0	417	0	0	0	417
	ANNEX V RESERVE	**24,032**	**30,198**	**25,607**	**25,652**	**26,838**	**27,059**	**65,098**	**14,560**	**239,044**
WS 5	Water Distribution System Rehabilitation	6,000	0	0	0	0	0	4,907	5,500	16,407
WS 9	Chicken Foot Road 16" Water Main Interconnect	100	1,395	0	0	0	0	0	200	1,695
WS 10	West Fayetteville Pressure Zone Improvements	0	210	2,960	5,520	2,370	0	0	0	11,060
WS 13	US HWY 401 North - Water Improvements (Contract 1)	280	0	0	0	0	0	434	1,179	1,893
WS 14	US HWY 401 North - Booster Pump Station (Contract 2)	680	0	0	0	0	0	0	381	1,061
WS 15	US HWY 401 North - Elevated Water Tank (Contract 3)	0	18	2,100	0	0	0	0	129	2,247
WS 16	High Pressure Zone Transmission Water Main Improvement	265	265	365	515	3,365	2,910	0	0	7,685
WS 18	Gillespie Street Water Main Replacement	0	260	210	2,930	0	0	0	0	3,400
WS 19	Cottonade Water Main Replacement	2,295	0	0	0	0	0	148	85	2,528
WS 20	Scottsdale Water Main Replacement	1,640	0	0	0	0	0	57	124	1,821

SUMMARY BY FUNDING SOURCE

REF #	PROJECT NAME	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	PRE-FY 2019	FY 2019 EST.	TOTAL COST
					(Dollars in thousands)					
WS 21	Southern Avenue Water Main Replacement, Camden to Gille	0	0	155	210	2,410	0	0	0	2,775
WS 22	Southern Avenue Water Main Replacement, Camden to Gille	0	0	0	160	210	2,660	0	0	3,030
WS 24	PO Hoffer WTF Capacity Expansion, Phase 2 – Expansion	0	0	0	0	0	2,000	1,022	1,580	4,602
WS 55	Sanitary Sewer Main Rehabilitation	6,000	0	0	0	0	0	4,970	5,474	16,444
WS 56	Line 54" Outfall - Research Drive to I-95	0	1,715	0	0	0	0	0	0	1,715
WS 61	Carver's Creek (North Fayetteville) Sewer Line	1,143	0	0	0	0	0	308	4,046	5,497
WS 62	Clifton Drive Sewer Main Relocation	2,870	0	0	0	0	0	52	249	3,171
WS 63	Old Wilmington Road Sewer Upgrades	0	0	0	0	55	410	6	0	471
WS 65	B Street Parallel Sewer	0	0	0	85	345	605	0	0	1,035
WS 69	Line the Cross Creek Outfall, Blue Street to Gale Street	5,510	620	0	0	0	0	202	201	6,533
WS 70	Line Beaver Creek Outfall, Phase I	705	0	0	0	0	0	15	1,755	2,475
WS 71	Line Beaver Creek Outfall, Phase II	0	275	2,510	0	0	0	0	0	2,785
WS 72	Line the Beaver Creek Outfall, Phase III	0	0	0	1,010	1,110	0	0	0	2,120
WS 73	Line Beaver Creek Outfall, Phase IV	0	0	0	0	1,010	1,110	0	0	2,120
WS 75	Line 54" Outfall - I-95 to Claude Lee Road	0	10	715	1,415	0	0	0	0	2,140
WS 80	Replacement of 20" North Fayetteville Main	4,000	0	0	0	0	0	0	11,000	15,000
WS 81	Rehab Cross Creek Influent Pump Station	6,010	0	0	0	0	0	310	3,902	10,222
WS 82	Cross Creek WRF Secondary Screening Improvements	1,145	0	0	0	0	0	189	1,136	2,470
WS 85	Rockfish Creek WRF Expansion to 28 MGD	0	970	6,520	13,170	13,020	10,520	0	0	44,200
WS 88	Longview Lift Station and Force Main Upgrade	235	1,410	0	0	0	0	0	85	1,730
	BONDS	**38,878**	**7,148**	**15,535**	**25,015**	**23,895**	**20,215**	**12,620**	**37,026**	**180,332**
WS 28	Hurricane Matthew Improvement of Water Mains	635	0	0	0	0	0	364	348	1,347
WS 84	Rockfish Creek WRF Filters #1 - #6 Rehabilitation	690	0	0	0	0	0	121	2,822	3,633
WS 87	Rockfish Creek WRF Effluent Outfall Repairs	90	0	0	0	0	0	48	541	679
WS 89	Hurricane Matthew Improvement of Sewer Mains	970	0	0	0	0	0	1,238	1,698	3,906
	HURRICANE MATTHEW CAPITAL PROJECT FUND	**2,385**	**0**	**0**	**0**	**0**	**0**	**1,771**	**5,409**	**9,565**
	TOTAL OTHER FUNDS	**67,752**	**46,327**	**64,920**	**58,732**	**61,401**	**72,502**	**79,937**	**58,178**	**509,749**
	TOTAL WATER RESOURCES	**89,623**	**80,796**	**95,437**	**89,334**	**90,795**	**105,305**	**87,167**	**68,642**	**707,098**
	ELECTRIC SYSTEMS									
EL 1	Underground Distribution Infrastructure Installations – New	1,500	1,600	1,650	1,700	1,750	1,800	1,668	1,250	12,918
EL 2	Overhead Infrastructure Installation - New	25	25	25	25	25	25	46	15	211
EL 4	LED Area Lights - New Installations	150	150	150	150	150	150	340	133	1,373
EL 5	Padmount Transformers	1,000	1,000	1,000	1,000	1,000	1,000	849	968	7,817
EL 6	Overhead Transformers	400	400	400	400	400	400	249	383	3,032
EL 7	Underground Infrastructure Replacement - Residential	2,500	2,700	2,900	3,100	3,300	3,500	610	1,200	19,810
EL 8	Underground Infrastructure Replacement - Non Residential	500	600	700	800	900	1,000	2,076	750	7,326
EL 9	UG Feeder Exit Replacement Substations	500	500	500	500	500	500	184	100	3,284
EL 10	Underground Distribution Infrastructure Replacements (Non-	850	850	1,000	1,000	1,000	1,000	888	505	7,093
EL 11	Overhead Distribution System Circuit Improvements	75	75	75	75	75	75	80	71	601
EL 12	Distribution System Sectionalizing	250	500	500	250	250	250	0	250	2,250
EL 13	Bragg Boulevard Gateway Improvement - Phase II	0	0	0	0	1,150	1,150	0	0	2,300
EL 14	Overhead Infrastructure Improvements	1,000	1,250	1,250	1,000	1,000	1,000	278	1,000	7,778
EL 17	Thoroughfare LED Lighting - New Installations	50	2,500	750	500	500	500	0	0	4,800
EL 19	Street Lights - Contract Lighting - New LED Installations	100	100	100	100	100	100	5	50	655
EL 21	System Reactive Power Compensation	300	300	300	300	200	200	525	225	2,350
EL 22	Fiber Optic Cable Line Extensions for Electric System Autom	500	400	500	600	600	700	138	420	3,858
EL 23	SONET Communications for Smart Grid	250	250	0	0	0	0	499	250	1,249
EL 24	Distribution Automation	750	1,000	1,250	1,500	1,500	1,500	99	500	8,099

SUMMARY BY FUNDING SOURCE

REF #	PROJECT NAME	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	PRE-FY 2019	FY 2019 EST.	TOTAL COST
					(Dollars in thousands)					
EL 25	Sub-Transmission Pole Replacement	1,500	1,500	1,500	1,500	1,500	1,500	1,197	1,350	11,547
EL 26	66 kV System Sectionalizing Improvements	300	300	300	300	300	300	67	225	2,092
EL 27	Distribution Circuit Breaker Replacement	350	350	350	350	350	350	154	335	2,589
EL 28	Distribution Substation Equipment Replacement	100	100	100	100	100	100	24	75	699
EL 29	T/D Sub Differential and Back-Up Overcurrent Relay Replac	150	150	150	150	150	150	99	75	1,074
EL 30	T/D Sub 66 kV Power Transformer Protection Equipment Up	500	500	500	500	500	500	424	475	3,899
EL 31	T/D Substation Control Building Replacement	200	200	200	200	200	200	0	200	1,400
EL 32	Transmission - Distribution Substation Oil Containment Syst	100	100	100	0	0	0	0	75	375
EL 42	POD V 230-66 kV Substation Property Acquisition	750	0	0	0	0	0	0	0	750
EL 43	ROW Additions Distribution	150	150	150	150	150	150	49	0	949
EL 44	Downtown UG Infrastructure Reliability Improvements	1,000	0	0	0	0	0	66	0	1,066
EL 45	Underground Distribution / Streetscape Improvement	50	50	50	50	50	50	7	0	307
EL 46	CoF Person St 300 - 600 Block Streetscape Improvement	0	0	0	525	525	525	25	0	1,600
EL 47	CoF Langdon St Widening Project	0	0	0	0	300	0	0	0	300
EL 48	CoF Legend Avenue Re-Alignment	150	0	0	0	0	0	0	242	392
EL 50	NCDOT Rowan Street Bridge Replacement	18	0	0	0	0	0	0	0	18
EL 57	Heat Exchanger Upgrade	540	375	0	0	0	0	0	370	1,285
EL 58	BWGP HVAC Equipment Replacement - Steam Turbine Cor	140	0	0	0	0	0	0	0	140
EL 59	DMS Software and Implementation	750	0	0	0	0	0	0	0	750
EL 60	BWGP 72.5 kV Power Circuit Breaker Replacement	950	0	0	0	0	0	0	0	950
EL 62	ABB Control System Microsoft Windows Upgrade	350	0	0	0	0	0	0	0	350
	ELECTRIC FUND	**18,748**	**17,975**	**16,450**	**16,825**	**18,525**	**18,675**	**10,646**	**11,492**	**129,335**
EL 3	LED Area Lights - Replacements/Conversion	500	0	0	0	0	0	783	750	2,033
EL 15	Street Lights - LED Conversion	250	0	0	0	0	0	1,840	750	2,840
EL 16	Thoroughfare LED Roadway Lighting-Conversion	500	0	0	0	0	0	499	750	1,749
EL 18	Street Lights - Contract Lighting LED Replacement/Conversi	250	0	0	0	0	0	340	100	690
EL 20	Conservation Load Reduction (CVR)	1,000	1,500	500	0	0	0	810	500	4,310
	REPS (INCLUDED IN ELECTRIC FUND)	**2,500**	**1,500**	**500**	**0**	**0**	**0**	**4,272**	**2,850**	**11,622**
EL 50	NCDOT Rowan Street Bridge Replacement	233	0	0	0	0	0	1,874	50	2,156
EL 51	NCDOT U-3424 Bunce Road Widening	375	375	125	0	0	0	0	0	875
EL 52	NCDOT U-4900 Murchison Road Widening	0	0	325	775	150	0	0	0	1,250
EL 53	NCDOT U-4403B Ramsey Street Widening	500	1,250	4,100	1,100	200	0	0	0	7,150
EL 54	NCDOT U-5798 Gillis Hill Road Widening	400	1,100	1,200	150	0	0	0	50	2,900
EL 55	NCDOT U-5101 Stacey Weaver Drive Widening	0	200	1,000	2,100	4,450	250	0	0	8,000
EL 56	NCDOT U-4404 Cliffdale Road Widening	0	100	500	1,800	1,650	200	0	0	4,250
	PARTICIPATION (INCLUDED IN ELECTRIC FUND)	**1,508**	**3,025**	**7,250**	**5,925**	**6,450**	**450**	**1,874**	**100**	**26,581**
	TOTAL ELECTRIC FUND	**22,755**	**22,500**	**24,200**	**22,750**	**24,975**	**19,125**	**16,792**	**14,442**	**167,539**
EL 33	Fenix 67-25 kV Substation Upgrade	200	0	0	0	0	0	677	1,500	2,377
EL 34	Bordeaux 67-12 kV Substation Rebuild	1,800	50	0	0	0	0	0	50	1,900
EL 35	Black & Decker Substation Rebuild	75	1,825	0	0	0	0	0	0	1,900
EL 36	Hogan Street 67-12 kV Substation Transformer Replacemen	0	0	0	875	0	0	0	0	875
EL 37	FTI 66-12 kV Substation Rebuild and Relocation	0	1,000	3,200	300	0	0	0	0	4,500
EL 38	PO Hoffer 66-12 kV Substation Rebuild	0	1,000	1,000	0	0	0	0	0	2,000
EL 39	Distribution Substation 66-12 kV Power Transformer	850	1,500	850	850	0	850	0	0	4,900
EL 40	POD III Relaying Upgrade	1,200	0	0	0	0	0	0	100	1,300
EL 41	POD IV 230-66 kV Substation	0	0	0	0	125	1,000	1,387	0	2,512
EL 61	230-67kV Auto-Transformer	325	2,375	0	0	0	0	0	0	2,700
	SUBSTATION CPF (FUNDED BY ELEC FUND)	**4,450**	**7,750**	**5,050**	**2,025**	**125**	**1,850**	**2,064**	**1,650**	**24,964**

SUMMARY BY FUNDING SOURCE

REF #	PROJECT NAME	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	PRE-FY 2019	FY 2019 EST.	TOTAL COST
					(Dollars in thousands)					
EL 49	NCDOT U-4405 Raeford Road Widening	13,650	2,925	90	0	0	0	2,320	4,375	23,360
	DOT E RAEFORD RD CPF	**13,650**	**2,925**	**90**	**0**	**0**	**0**	**2,320**	**4,375**	**23,360**
	TOTAL ELECTRIC SYSTEMS	**40,855**	**33,175**	**29,340**	**24,775**	**25,100**	**20,975**	**21,176**	**20,467**	**215,863**
	TOTAL ALL PROJECTS	**142,097**	**115,176**	**134,156**	**115,790**	**116,592**	**126,935**	**109,016**	**92,533**	**952,294**
	TOTAL ELECTRIC FUND	**20,908**	**18,637**	**25,479**	**18,172**	**18,860**	**18,988**	**10,840**	**13,497**	**145,380**
	TOTAL ELECTRIC FD WITH OFFSETTING REVENUES	**4,008**	**4,525**	**7,750**	**5,925**	**6,450**	**450**	**6,146**	**2,950**	**38,203**
	TOTAL WATER/SEWER FUND	**22,900**	**34,786**	**30,867**	**30,936**	**29,756**	**33,145**	**7,589**	**11,283**	**201,261**
	TOTAL W/S FUND WITH OFFSETTING REVENUES	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	TOTAL ELECTRIC & W/WW FUNDS	**47,815**	**57,948**	**64,096**	**55,033**	**55,066**	**52,583**	**24,575**	**27,730**	**384,845**
	FLEET MAINTENANCE FUND	**8,430**	**226**	**0**	**0**	**0**	**0**	**120**	**600**	**9,376**
	NC STATE LOAN FUND	**750**	**8,981**	**16,316**	**8,065**	**35**	**0**	**323**	**1,150**	**35,620**
	NCDOT RESERVE	**1,707**	**0**	**7,462**	**0**	**10,633**	**25,228**	**125**	**33**	**45,188**
	TOTAL ANNEX V RESERVE	**24,032**	**30,198**	**25,607**	**25,652**	**26,838**	**27,059**	**65,098**	**14,560**	**239,044**
	HURRICANE MATTHEW CAPITAL PROJECT FUND	**2,385**	**0**	**0**	**0**	**0**	**0**	**1,771**	**5,409**	**9,565**
	TOTAL BONDS	**38,878**	**7,148**	**15,535**	**25,015**	**23,895**	**20,215**	**12,620**	**37,026**	**180,332**
	TOTAL SUBSTATIONS CPF	**4,450**	**7,750**	**5,050**	**2,025**	**125**	**1,850**	**2,064**	**1,650**	**24,964**
	DOT E RAEFORD RD CPF	**13,650**	**2,925**	**90**	**0**	**0**	**0**	**2,320**	**4,375**	**23,360**
	TOTAL OTHER FUNDS	**94,282**	**57,228**	**70,060**	**60,757**	**61,526**	**74,352**	**84,441**	**64,803**	**567,449**
	TOTAL ALL FUNDS	**142,097**	**115,176**	**134,156**	**115,790**	**116,592**	**126,935**	**109,016**	**92,533**	**952,294**



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