

CAPITAL IMPROVEMENT PROGRAM
2022-2031
FAYETTEVILLE PUBLIC WORKS COMMISSION
FAYETTEVILLE, NORTH CAROLINA

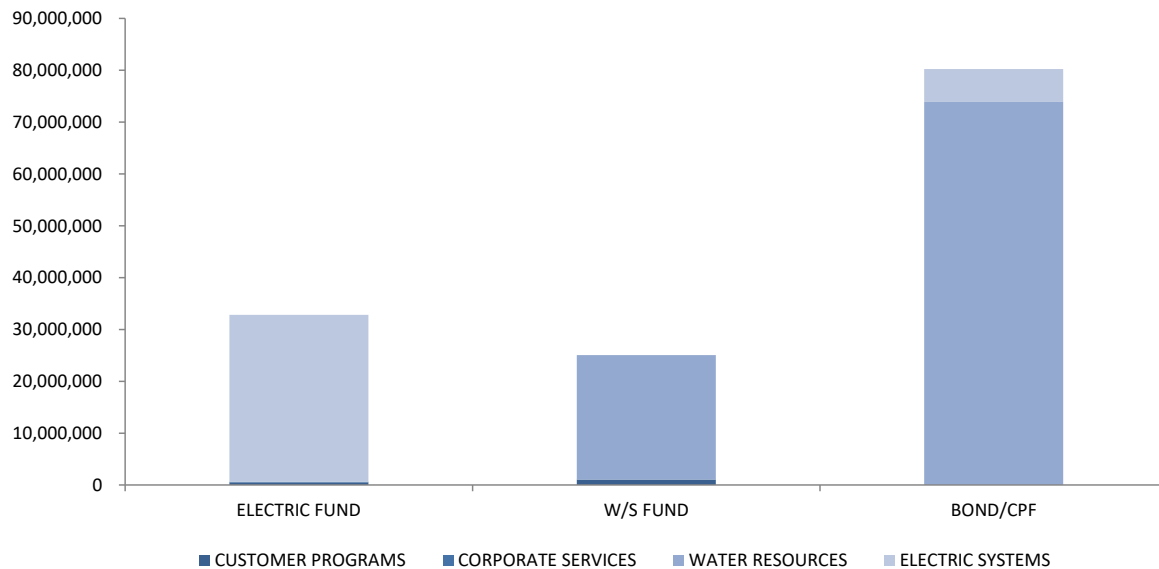
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CIP BY CATEGORY ALL FUNDS

DIVISION	ACCOUNT	ELECTRIC FUND	W/S FUND	ELECTRIC & W/S FUNDS	BOND FUND / NC STATE LOAN / CPF	TOTAL ALL FUNDS
CUSTOMER PROGRAMS	ELECTRIC DISTRIBUTION	475,000		475,000		475,000
	WATER DISTRIBUTION		1,017,000	1,017,000		1,017,000
	TOTAL CUSTOMER PROGRAMS	475,000	1,017,000	1,492,000		1,492,000
CORPORATE SERVICES	STRUCTURES & IMPROVEMENTS	120,000	60,000	180,000		180,000
	TOTAL CORPORATE SERVICES	120,000	60,000	180,000		180,000
WATER RESOURCES	LAND & LAND RIGHTS-W/S		40,000	40,000		40,000
	WATER DISTRIBUTION		10,197,000	10,197,000	6,900,000	17,097,000
	SANITARY SEWER COLLECTION		11,643,000	11,643,000	55,385,000	67,028,000
	GLENVILLE LAKE PLANT		869,000	869,000		869,000
	P.O. HOFFER WATER PLANT		505,000	505,000	170,000	675,000
	CROSS CREEK TRMT. PLANT		282,000	282,000	3,295,000	3,577,000
	ROCKFISH TRMT. PLANT		450,000	450,000	8,134,000	8,584,000
	TOTAL WATER RESOURCES		23,986,000	23,986,000	73,884,000	97,870,000
ELECTRIC SYSTEMS	LAND & LAND RIGHTS-ELEC	500,000		500,000		500,000
	STRUCTURES & IMPROVEMENTS	400,000		400,000	50,000	450,000
	GENERATION PLANT	10,520,000		10,520,000	2,600,000	13,120,000
	TRANSMISSION PLANT	2,200,000		2,200,000	200,000	2,400,000
	DISTRIBUTION PLANT	17,125,000		17,125,000	3,500,000	20,625,000
	TELECOM-CABLE INFRASTRUCTURE	500,000		500,000		500,000
	COMMUNICATIONS EQUIPMENT	250,000		250,000		250,000
	INHOUSE COMPUTER SYSTEMS	750,000		750,000		750,000
	TOTAL ELECTRIC SYSTEMS	32,245,000		32,245,000	6,350,000	38,595,000
	TOTAL CIP	32,840,000	25,063,000	57,903,000	80,234,000	138,137,000

FY 2022 CIP FUNDING SOURCE BY DIVISION



PROJECT FUNDING SUMMARY

REF. #	2022 PROJECT LISTING	ELECTRIC FUND	W/S FUND	BOND FUND / NC DOT RESERVE / CPF	TOTAL
CUSTOMER PROGRAMS					
CP 1	Electric Meters and Metering Equipment	475,000	-	-	475,000
	ELECTRIC DISTRIBUTION	475,000	-	-	475,000
CP 2	Water Meters	-	1,017,000	-	1,017,000
	WATER DISTRIBUTION	-	1,017,000	-	1,017,000
	TOTAL CUSTOMER PROGRAMS	475,000	1,017,000	-	1,492,000
CORPORATE SERVICES					
CS 1	Robert C. Williams Business Center Upfit	60,000	-	-	60,000
CS 3	Upgrade Interior Finishes in the Operations Building	60,000	60,000	-	120,000
	STRUCTURES & IMPROVEMENTS	120,000	60,000	-	180,000
	TOTAL CORPORATE SERVICES	120,000	60,000	-	180,000
WATER RESOURCES					
WS 1	Land and Land Rights - Water	-	20,000	-	20,000
WS 48	Land and Land Rights - Sewer	-	20,000	-	20,000
	LAND & LAND RIGHTS	-	40,000	-	40,000
WS 2	New Water Service Laterals and Water Main Extensions	-	600,000	-	600,000
WS 3	Water Lateral Renewals (PWC Forces)	-	750,000	-	750,000
WS 4	New Hydrant and Valve Installation	-	125,000	-	125,000
WS 5	Water Distribution System Rehabilitation	-	4,325,000	1,675,000	6,000,000
WS 7	Phase V Annexation - Water Main Extension	-	-	3,838,000	3,838,000
WS 8	Replace Existing Water Mains not Encased Under Railroad Crossings	-	975,000	-	975,000
WS 9	Chicken Foot Road 16" Water Main Interconnect	-	-	614,000	614,000
WS 10	West Fayetteville Pressure Zone Improvements	-	596,000	-	596,000
WS 12	Cliffdale Road Transmission Water Main Improvements	-	978,000	-	978,000
WS 15	US HWY 401 North - Elevated Water Tank (Contract 3)	-	15,000	-	15,000
WS 16	High Pressure Zone Transmission Water Main Improvements	-	348,000	-	348,000
WS 29	Utility Improvements for City of Fayetteville Storm Drainage Improvements - W:	-	280,000	-	280,000
WS 30	Utility Improvements for the Town of Hope Mills Stormwater Projects - Water	-	25,000	-	25,000
WS 31	Utility Improvements for NCDOT Resurfacing and Stormwater	-	25,000	-	25,000
WS 32	NCDOT U-6001 NC 59 Widening, Parkton Road to US 301 - Water	-	-	105,000	105,000
WS 35	NCDOT U-4405 Raeford Rd Median Improv, Hampton Oaks Drive to Fairway E	-	200,000	-	200,000
WS 36	NCDOT U-2519B A/BB Fayetteville Outer Loop from South of US 401 to South	-	15,000	-	15,000
WS 38	NCDOT U-4900 Murchison Road Widening - Water	-	170,000	-	170,000
WS 39	NCDOT U-5101(A) Shaw Rd to Stacey Weaver Dr Widening - Water	-	200,000	-	200,000
WS 40	NCDOT U-5798 A - Gillis Hill Rd Widening - Water	-	55,000	-	55,000
WS 41	NCDOT U-5798 B - Gillis Hill Road Widening - Water	-	105,000	-	105,000
WS 42	NCDOT U-3422 Camden Rd Widening - Water	-	210,000	-	210,000
WS 43	NCDOT U-2519A A/AB - Fayetteville Outer Loop from South of SR 1003 (Cam	-	15,000	668,000	683,000
WS 44	NCDOT U-4709 Rockfish Road, Golfview Drive to NC 59 - Water	-	65,000	-	65,000
WS 45	NCDOT U-4403(B) Ramsey Street Widening - Water	-	60,000	-	60,000
WS 46	NCDOT U-4403(C) Ramsey Street Widening - Water	-	60,000	-	60,000
	WATER DISTRIBUTION	-	10,197,000	6,900,000	17,097,000
WS 49	New Sewer Service Laterals and Sewer Main Extensions	-	480,000	-	480,000
WS 50	Sewer Lateral Renewals (PWC Forces)	-	750,000	-	750,000
WS 51	Sanitary Sewer Manhole Rehabilitation	-	2,200,000	-	2,200,000
WS 52	Sanitary Sewer Main Rehabilitation	-	4,325,000	1,675,000	6,000,000
WS 53	Lift Station Rehabilitation	-	610,000	-	610,000
WS 55	North Fayetteville Lift Station Upgrades - Phase 4	-	-	710,000	710,000
WS 56	Longview Lift Station and Force Main Upgrade	-	-	860,000	860,000
WS 58	Replace Lift Station #72 - Cypress Lakes #1	-	48,000	-	48,000
WS 59	Replacement of HDPE-Lined Sewer Mains	-	10,000	-	10,000
WS 60	Line 54" Outfall - Research Drive to I-95	-	695,000	-	695,000
WS 61	Rockfish Creek Basin Peak Flow Facilities	-	-	9,089,000	9,089,000

PROJECT FUNDING SUMMARY

REF. #	2022 PROJECT LISTING	ELECTRIC FUND	W/S FUND	BOND FUND / NC DOT RESERVE / CPF	TOTAL
WS 62	Freedom Town Center Sewer Replacement	-	-	900,000	900,000
WS 63	Phase V Annexation	-	-	24,327,000	24,327,000
WS 64	Replacement of the Shadowlawn Aerial Sewer Crossing	-	980,000	-	980,000
WS 69	Murchison Road Sewer Improvements, (Jasper St. to Murchison Rd.)	-	40,000	-	40,000
WS 74	Replacement of the Cross Creek Outfall, Greensboro Street to Hillsboro Street	-	-	1,565,000	1,565,000
WS 75	Line Beaver Creek Outfall, Phase II	-	10,000	-	10,000
WS 83	Big Rockfish Sanitary Sewer Outfall	-	493,000	14,493,000	14,986,000
WS 84	Big Rockfish Sanitary Sewer Outfall - Lift Station Eliminations	-	182,000	316,000	498,000
WS 96	Utility Improvements for City of Fayetteville Storm Drainage Improvements - Se	-	240,000	-	240,000
WS 97	Utility Improvements for the Town of Hope Mills Stormwater Projects - Sewer	-	25,000	-	25,000
WS 98	Utility Improvements for NCDOT Resurfacing and Stormwater Projects - Sewer	-	10,000	-	10,000
WS 100	NCDOT U-2519B A/BB Fayetteville Outer Loop from South of US 401 to South	-	10,000	-	10,000
WS 102	NCDOT U-4900 Murchison Road Widening - Sewer	-	60,000	-	60,000
WS 103	NCDOT U-5101(A) Shaw Rd Widening - Sewer	-	220,000	-	220,000
WS 104	DOTR U-5798 A - Gillis Hill Rd Widening - Sewer	-	30,000	-	30,000
WS 105	NCDOT U-3422 Camden Rd Widening - Sewer	-	90,000	-	90,000
WS 107	NCDOT U-4405 Raeford Rd Median Improv, Hampton Oaks Drive to Fairway E	-	-	1,450,000	1,450,000
WS 108	NCDOT U-4709 Rockfish Road, Golfview Drive to NC 59 - Sewer	-	15,000	-	15,000
WS 109	NCDOT U-4403(B) Ramsey Street Widening - Sewer	-	60,000	-	60,000
WS 110	NCDOT U-4403(C) Ramsey Street Widening - Sewer	-	60,000	-	60,000
SANITARY SEWER COLLECTION		-	11,643,000	55,385,000	67,028,000
WS 28	Kornbow Lake Dam Spillway Replacement	-	869,000	-	869,000
GLENVILLE LAKE WATER PLANT		-	869,000	-	869,000
WS 25	PO Hoffer WTF Capacity Expansion, Phase 3 – Residuals Facilities Expansion	-	505,000	-	505,000
WS 27	PO Hoffer WTP / Glenville Lake WTP Reliability Improvements	-	-	170,000	170,000
P.O. HOFFER WATER PLANT		-	505,000	170,000	675,000
WS 87	Replace Standby Power Generator at the Cross Creek WRF	-	-	3,295,000	3,295,000
WS 88	Roof Replacement for the Thickening and Transfer Buildings at Cross Creek W	-	172,000	-	172,000
WS 89	Cross Creek WRF Pump Station #3 Rehabilitation	-	110,000	-	110,000
CROSS CREEK TREATMENT PLANT		-	282,000	3,295,000	3,577,000
WS 90	Replace Clarifier #3 Mechanism at the Rockfish Creek WRF	-	435,000	-	435,000
WS 91	Rockfish Creek WRF Expansion Phase 3	-	-	3,609,000	3,609,000
WS 92	Rockfish Creek WRF Screening Improvements	-	-	1,485,000	1,485,000
WS 93	Replace Rockfish Creek WRF IPS Screw Pumps #1 and #2	-	15,000	-	15,000
WS 95	Replace Standby Power Generator at the Rockfish Creek WRF	-	-	3,040,000	3,040,000
ROCKFISH TREATMENT PLANT		-	450,000	8,134,000	8,584,000
TOTAL WATER RESOURCES		-	23,986,000	73,884,000	97,870,000
ELECTRIC SYSTEMS					
EL 37	ROW Additions Distribution	150,000	-	-	150,000
EL 38	ROW Additions Transmission - Asset Protection	350,000	-	-	350,000
LAND AND LAND RIGHTS		500,000	-	-	500,000
EL 26	T/D Substation Control Building Replacement	400,000	-	-	400,000
EL 31	FTI 66-12 kV Substation Rebuild and Relocation	-	-	50,000	50,000
STRUCTURES & IMPROVEMENTS		400,000	-	50,000	450,000
EL 44	BWGP Heat Recovery Steam Generator Boiler Tube Replacement	9,220,000	-	-	9,220,000
EL 45	BWGP Water Purification System	50,000	-	-	50,000
EL 46	Battery Storage	-	-	2,600,000	2,600,000
EL 47	Renewable Resource Development	1,250,000	-	-	1,250,000
GENERATION PLANT		10,520,000	-	2,600,000	13,120,000
EL 20	Sub-Transmission Pole Replacement	1,500,000	-	-	1,500,000
EL 22	66 kV System Sectionalizing Improvements	300,000	-	-	300,000

PROJECT FUNDING SUMMARY

REF. #	2022 PROJECT LISTING	ELECTRIC FUND	W/S FUND	BOND FUND / NC DOT RESERVE / CPF	TOTAL
EL 24	T/D Sub Differential and Back-Up Overcurrent Relay Replacement	150,000	-	-	150,000
EL 36	POD V 230-66 kV Substation	-	-	200,000	200,000
EL 39	POD I 230 kV Switch Replacement	250,000	-	-	250,000
	TRANSMISSION PLANT	2,200,000	-	200,000	2,400,000
EL 1	Underground Distribution Infrastructure Installations – New	1,600,000	-	-	1,600,000
EL 2	Overhead Infrastructure Installation - New	25,000	-	-	25,000
EL 3	LED Area Lights - New Installations	225,000	-	-	225,000
EL 4	Padmount Transformers	1,100,000	-	-	1,100,000
EL 5	Overhead Transformers	400,000	-	-	400,000
EL 6	Underground Infrastructure Replacement - Residential	2,500,000	-	-	2,500,000
EL 7	Underground Infrastructure Replacement - Non Residential	500,000	-	-	500,000
EL 8	Underground Distribution Infrastructure Replacements (Non-Cable)	1,000,000	-	-	1,000,000
EL 9	UG Feeder Exit Replacement Substations	500,000	-	-	500,000
EL 10	Overhead Distribution System Circuit Improvements	75,000	-	-	75,000
EL 11	Distribution System Sectionalizing	700,000	-	-	700,000
EL 12	Overhead Infrastructure Improvements	1,250,000	-	-	1,250,000
EL 13	Thoroughfare LED Lighting - New Installations	250,000	-	-	250,000
EL 14	Thoroughfare LED Roadway Lighting-Conversion	2,500,000	-	-	2,500,000
EL 15	Conservation Load Reduction (CVR)	250,000	-	-	250,000
EL 16	System Reactive Power Compensation	250,000	-	-	250,000
EL 19	Distribution Automation	250,000	-	-	250,000
EL 21	Distribution Circuit Breaker Replacement	400,000	-	-	400,000
EL 23	Distribution Substation Equipment Replacement	100,000	-	-	100,000
EL 25	T/D Sub 66 kV Power Transformer Protection Equipment Upgrade	400,000	-	-	400,000
EL 27	Bordeaux 67-12 kV Substation Rebuild	-	-	250,000	250,000
EL 28	Black & Decker Substation Rebuild	-	-	250,000	250,000
EL 29	Cumberland Road 66 -12 kV Substation Rebuild	-	-	2,000,000	2,000,000
EL 30	PO Hoffer 66-12 kV Substation Rebuild	-	-	1,000,000	1,000,000
EL 40	Downtown UG Infrastructure Reliability Improvements	600,000	-	-	600,000
EL 41	Underground Distribution / Streetscape Improvement	50,000	-	-	50,000
EL 50	NCDOT U-5798A Gillis Hill Road Widening	2,200,000	-	-	2,200,000
	DISTRIBUTION PLANT	17,125,000	-	3,500,000	20,625,000
EL 17	Fiber Optic Cable Line Extensions for Electric System Automation PWC Smart	500,000	-	-	500,000
	TELECOM-CABLE INFRASTRUCTURE	500,000	-	-	500,000
EL 18	SONET Communications for Smart Grid	250,000	-	-	250,000
	COMMUNICATIONS EQUIPMENT	250,000	-	-	250,000
EL 43	DMS Software and Implementation	750,000	-	-	750,000
	INHOUSE COMPUTER SYSTEMS	750,000	-	-	750,000
	TOTAL ELECTRIC SYSTEMS	32,245,000	-	6,350,000	38,595,000
	TOTAL ALL PROJECTS	32,840,000	25,063,000	80,234,000	138,137,000

SUMMARY BY PROJECT

REF #	PROJECT NAME	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 27-31	PRE-FY 2021	FY 2021 EST.	TOTAL COST
(Dollars in thousands)										
CUSTOMER PROGRAMS										
CP 1	Electric Meters and Metering Equipment	475	497	520	544	569	3,269	345	183	6,402
CP 2	Water Meters	1,017	1,057	1,098	1,142	1,187	6,691	521	529	13,242
TOTAL CUSTOMER PROGRAMS		1,492	1,554	1,618	1,686	1,756	9,960	866	712	19,644
CORPORATE SERVICES										
CS 1	Robert C. Williams Business Center Upfit	60	60	60	60	60	300	214	214	1,028
CS 2	Multipurpose Building	0	0	300	8,910	1,140	0	0	0	10,350
CS 3	Upgrade Interior Finishes in the Operations Building	120	0	0	0	0	0	0	0	120
TOTAL CORPORATE SERVICES		180	60	360	8,970	1,200	300	214	214	11,498
WATER RESOURCES										
WS 1	Land and Land Rights - Water	20	20	20	20	20	100	83	20	303
WS 2	New Water Service Laterals and Water Main Extensions	600	618	636	655	675	3,466	659	600	7,909
WS 3	Water Lateral Renewals (PWC Forces)	750	788	827	868	912	4,560	752	900	10,357
WS 4	New Hydrant and Valve Installation	125	128	131	134	137	694	117	125	1,591
WS 5	Water Distribution System Rehabilitation	6,000	6,500	7,000	7,500	8,500	59,000	5,301	6,000	105,801
WS 6	Braxton Road 12" Water Main Extension	0	85	385	130	0	0	0	0	600
WS 7	Phase V Annexation - Water Main Extension	3,838	1,023	1,603	2,058	4,904	3,513	927	1,483	19,349
WS 8	Replace Existing Water Mains not Encased Under Railroad	975	1,010	1,010	1,160	0	0	645	700	5,500
WS 9	Chicken Foot Road 16" Water Main Interconnect	614	614	0	0	0	0	160	48	1,436
WS 10	West Fayetteville Pressure Zone Improvements	596	6,745	3,380	0	0	0	0	175	10,896
WS 11	Sandhill Road 12" Water Main Extension	0	150	585	450	0	0	0	0	1,185
WS 12	Cliffdale Road Transmission Water Main Improvements	978	1,125	0	0	0	0	0	252	2,355
WS 13	Hillsboro Street Water Main Replacement	0	115	225	695	0	0	0	0	1,035
WS 14	Yadkin Road Water Main Replacement	0	10	520	5,130	0	0	0	0	5,660
WS 15	US HWY 401 North - Elevated Water Tank (Contract 3)	15	0	5,370	13	0	0	283	0	5,681
WS 16	High Pressure Zone Transmission Water Main Improvement	348	515	3,255	2,888	0	0	0	100	7,106
WS 17	Kings Grant Water Main Looping	0	0	0	0	0	865	0	0	865
WS 18	Gillespie Street Water Main Replacement	0	0	0	160	260	2,985	0	0	3,405
WS 19	Southern Avenue Water Main Replacement, Camden to Gill	0	0	0	0	155	2,625	0	0	2,780
WS 20	Southern Avenue Water Main Replacement, Camden to Gill	0	0	0	0	0	3,030	0	0	3,030
WS 21	Lagrange Subdivision Water Main Replacement	0	0	0	0	0	7,125	0	0	7,125
WS 22	Cypress Lakes Water Main Reinforcement - Phase 1	0	0	10	670	595	4,020	0	0	5,295
WS 23	Cypress Lakes Water Main Reinforcement - Phase 2	0	0	0	10	670	4,840	0	0	5,520
WS 24	PO Hoffer WTP Capacity Expansion, Phase 2	0	0	0	60	10,510	29,105	2,854	0	42,529
WS 25	PO Hoffer WTP Capacity Expansion, Phase 3 – Residuals F	505	605	8,515	7,430	0	0	61	199	17,315
WS 26	Replace Standby Power Generator at the PO Hoffer WTP	0	2,630	0	0	0	0	0	0	2,630
WS 27	PO Hoffer WTP / Glenville Lake WTP Reliability Improve	170	5,330	4,876	0	0	0	65	166	10,607
WS 28	Kornbow Lake Dam Spillway Replacement	869	991	0	0	0	0	0	215	2,075
WS 29	Utility Improvements for City of Fayetteville Storm Drainage	280	280	280	280	280	1,400	182	215	3,197
WS 30	Utility Improvements for the Town of Hope Mills Stormwater	25	25	25	25	25	125	101	2	353
WS 31	Utility Improvements for NCDOT Resurfacing and Stormwater	25	25	25	25	25	125	7	5	262
WS 32	NCDOT U-6001 NC 59 Widening, Parkton Road to US 301	105	1,140	1,395	0	0	250	67	230	3,187
WS 33	NCDOT U-6072A SR1112 (Rockfish Rd) from Strickland Bri	0	0	0	0	0	661	0	0	661
WS 34	NCDOT U-6073 Fisher Rd. from Strickland Bridge Rd. to NC	0	0	437	956	682	7,224	0	0	9,299
WS 35	NCDOT U-4405 Raeford Rd Median Improv, Hampton Oaks	200	395	2,880	395	5,260	7,075	1,866	360	18,431
WS 36	NCDOT U-2519B A/BB Fayetteville Outer Loop from South	15	15	5,737	0	0	0	14	3	5,784
WS 37	NCDOT U-5015 Murchison Road (Langdon St to US 401) -	0	0	0	0	10	180	0	0	190
WS 38	NCDOT U-4900 Murchison Road Widening - Water	170	220	220	95	6,195	65	10	100	7,075
WS 39	NCDOT U-5101(A) Shaw Rd to Stacey Weaver Dr Widening	200	110	70	80	395	0	0	0	855
WS 40	NCDOT U-5798 A - Gillis Hill Rd Widening - Water	55	1,265	25	10	0	0	57	47	1,459
WS 41	NCDOT U-5798 B - Gillis Hill Road Widening - Water	105	100	20	90	40	1,470	0	0	1,825

SUMMARY BY PROJECT

REF #	PROJECT NAME	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 27-31	PRE-FY 2021	FY 2021 EST.	TOTAL COST
(Dollars in thousands)										
WS 42	NCDOT U-3422 Camden Rd Widening - Water	210	220	160	245	14,245	95	115	30	15,320
WS 43	NCDOT U-2519A A/AB - Fayetteville Outer Loop from South	683	0	0	0	0	0	7	16	706
WS 44	NCDOT U-4709 Rockfish Road, Golfview Drive to NC 59 - V	65	50	50	3,030	10	0	30	30	3,265
WS 45	NCDOT U-4403(B) Ramsey Street Widening - Water	60	60	270	370	270	5,475	25	9	6,539
WS 46	NCDOT U-4403(C) Ramsey Street Widening - Water	60	235	470	370	370	21,000	0	9	22,514
WS 47	NCDOT U-4403(A) Ramsey Street Widening - Water	0	0	0	0	0	70	0	0	70
WS 48	Land and Land Rights - Sewer	20	20	20	20	20	100	19	20	239
WS 49	New Sewer Service Laterals and Sewer Main Extensions	480	504	529	555	582	3,056	409	480	6,595
WS 50	Sewer Lateral Renewals (PWC Forces)	750	769	788	807	826	4,243	697	750	9,630
WS 51	Sanitary Sewer Manhole Rehabilitation	2,200	2,300	2,400	2,500	2,600	14,500	1,874	2,100	30,474
WS 52	Sanitary Sewer Main Rehabilitation	6,000	6,500	7,000	7,500	8,500	59,000	5,088	6,000	105,588
WS 53	Lift Station Rehabilitation	610	610	610	610	610	1,830	851	610	6,341
WS 54	Lift Station Electrical Upgrades	0	260	795	2,400	1,690	1,095	0	0	6,240
WS 55	North Fayetteville Lift Station Upgrades - Phase 4	710	2,390	0	0	0	0	52	126	3,278
WS 56	Longview Lift Station and Force Main Upgrade	860	575	0	0	0	0	19	40	1,494
WS 57	King Street Lift Station Replacement	0	10	210	85	620	1,595	0	0	2,520
WS 58	Replace Lift Station #72 - Cypress Lakes #1	48	603	553	0	0	0	0	0	1,204
WS 59	Replacement of HDPE-Lined Sewer Mains	10	620	1,720	1,720	1,720	1,720	0	0	7,510
WS 60	Line 54" Outfall - Research Drive to I-95	695	1,000	1,830	0	0	0	26	55	3,606
WS 61	Rockfish Creek Basin Peak Flow Facilities	9,089	87	0	0	0	0	2,061	446	11,683
WS 62	Freedom Town Center Sewer Replacement	900	0	0	0	0	0	176	462	1,538
WS 63	Phase V Annexation	24,327	26,617	26,791	19,147	29,998	19,061	87,677	15,372	248,990
WS 64	Replacement of the Shadowlawn Aerial Sewer Crossing	980	0	0	0	0	0	80	140	1,200
WS 65	Lamon Street Aerial Sewer Replacement	0	185	1,185	1,630	0	0	0	0	3,000
WS 66	McFadyen Lake Sewer Main Rehabilitation	0	0	0	110	1,110	2,485	0	0	3,705
WS 67	Line North Street Outfall, Milan Road to Gale Street	0	0	0	0	0	920	0	0	920
WS 68	Old Wilmington Road Sewer Replacement	0	0	0	0	0	1,000	5	0	1,005
WS 69	Murchison Road Sewer Improvements, (Jasper St. to Murch	40	510	1,110	0	0	0	35	18	1,713
WS 70	B Street Parallel Sewer	0	0	0	0	0	1,455	0	0	1,455
WS 71	Branson Creek Interceptor Replacement, Phase I	0	0	0	0	35	1,265	0	0	1,300
WS 72	Branson Creek Interceptor Replacement, Phase II	0	0	0	0	0	1,950	0	0	1,950
WS 73	Rehabilitation of the Blounts Creek Outfall, Campbell to Rus	0	560	0	0	0	0	0	0	560
WS 74	Replacement of the Cross Creek Outfall, Greensboro Street	1,565	2,940	0	0	0	0	0	315	4,820
WS 75	Line Beaver Creek Outfall, Phase II	10	210	2,010	0	0	0	0	0	2,230
WS 76	Line the Beaver Creek Outfall, Phase III	0	10	510	1,210	0	0	0	0	1,730
WS 77	Line Beaver Creek Outfall, Phase IV	0	0	10	510	1,210	0	0	0	1,730
WS 78	Line Beaver Creek Outfall, Phase V	0	0	0	10	510	1,210	0	0	1,730
WS 79	Line Beaver Creek Outfall, Phase VI	0	0	0	0	10	2,530	0	0	2,540
WS 80	Line 54" Outfall - I-95 to Claude Lee Road	0	0	80	710	1,410	0	0	0	2,200
WS 81	Line 54-Inch Outfall, Claude Lee Road to Pennystone Drive	0	0	0	0	0	2,530	0	0	2,530
WS 82	Line 54-Inch Outfall, Pennystone Drive to Laurelwood Place	0	0	0	0	0	2,530	0	0	2,530
WS 83	Big Rockfish Sanitary Sewer Outfall	14,986	4,454	2,175	0	0	0	1,947	3,343	26,905
WS 84	Big Rockfish Sanitary Sewer Outfall - Lift Station Elimination	498	1,757	3,005	0	0	0	727	531	6,518
WS 85	Sewer Main Rehab - Mintz Pond and Kornbow Lake	0	410	710	0	0	0	0	5	1,125
WS 86	Cross Creek WRF Reliability Improvements	0	510	740	10,314	8,441	0	0	0	20,005
WS 87	Replace Standby Power Generator at the Cross Creek WRF	3,295	0	0	0	0	0	0	0	3,295
WS 88	Roof Replacement for the Thickening and Transfer Buildings	172	0	0	0	0	0	0	0	172
WS 89	Cross Creek WRF Pump Station #3 Rehabilitation	110	1,430	975	0	0	0	0	0	2,515
WS 90	Replace Clarifier #3 Mechanism at the Rockfish Creek WRF	435	0	0	0	0	0	0	0	435
WS 91	Rockfish Creek WRF Expansion Phase 3	3,609	5,758	24,353	27,829	17,401	0	320	5	79,275
WS 92	Rockfish Creek WRF Screening Improvements	1,485	1,885	0	0	0	0	228	135	3,733
WS 93	Replace Rockfish Creek WRF IPS Screw Pumps #1 and #2	15	940	0	0	0	0	0	0	955
WS 94	Replace Rockfish Creek WRF IPS Screw Pumps #3 and #4	0	15	940	0	0	0	0	0	955
WS 95	Replace Standby Power Generator at the Rockfish Creek W	3,040	0	0	0	0	0	27	115	3,182

SUMMARY BY PROJECT

REF #	PROJECT NAME	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 27-31	PRE-FY 2021	FY 2021 EST.	TOTAL COST
(Dollars in thousands)										
WS 96	Utility Improvements for City of Fayetteville Storm Drainage	240	240	240	240	240	1,200	83	115	2,598
WS 97	Utility Improvements for the Town of Hope Mills Stormwater	25	25	25	25	25	125	90	2	342
WS 98	Utility Improvements for NCDOT Resurfacing and Stormwater	10	10	10	10	10	50	4	2	106
WS 99	NCDOT U-6073 Fisher Rd. from Strickland Bridge Rd. to NC	0	0	68	88	69	494	0	0	719
WS 100	NCDOT U-2519B A/BB Fayetteville Outer Loop from South	10	5	753	0	0	0	10	10	788
WS 101	NCDOT U-5015 Murchison Road (Langdon St to US 401) - S	0	0	0	0	10	180	0	0	190
WS 102	NCDOT U-4900 Murchison Road Widening - Sewer	60	85	85	35	2,135	35	64	16	2,515
WS 103	NCDOT U-5101(A) Shaw Rd Widening - Sewer	220	95	40	85	435	0	0	0	875
WS 104	DOTR U-5798 A - Gillis Hill Rd Widening - Sewer	30	745	10	5	0	0	27	18	835
WS 105	NCDOT U-3422 Camden Rd Widening - Sewer	90	90	40	60	260	35	21	10	606
WS 106	NCDOT U-6072A SR1112 (Rockfish Rd) from Strickland Bri	0	0	0	0	0	95	0	0	95
WS 107	NCDOT U-4405 Raeford Rd Median Improv, Hampton Oaks	1,450	95	275	85	1,210	6,800	378	148	10,441
WS 108	NCDOT U-4709 Rockfish Road, Golfview Drive to NC 59 - S	15	20	20	840	10	0	7	10	922
WS 109	NCDOT U-4403(B) Ramsey Street Widening - Sewer	60	60	170	270	220	3,725	524	9	5,038
WS 110	NCDOT U-4403(C) Ramsey Street Widening - Sewer	60	160	270	170	170	3,900	0	9	4,739
WS 111	NCDOT U-4403(A) Ramsey Street Widening - Sewer	0	0	0	0	0	70	0	0	70
TOTAL WATER RESOURCES		97,870	99,211	133,467	115,582	137,232	311,927	117,914	43,456	1,056,659

ELECTRIC SYSTEMS

EL 1	Underground Distribution Infrastructure Installations – New	1,600	1,700	1,750	1,800	1,850	10,000	1,976	1,494	22,170
EL 2	Overhead Infrastructure Installation - New	25	25	25	25	25	125	34	24	308
EL 3	LED Area Lights - New Installations	225	225	225	225	225	1,125	368	220	2,838
EL 4	Padmount Transformers	1,100	1,150	1,200	1,250	1,300	7,250	1,054	1,000	15,304
EL 5	Overhead Transformers	400	400	400	400	400	2,000	368	395	4,763
EL 6	Underground Infrastructure Replacement - Residential	2,500	2,750	3,000	3,250	3,500	21,250	1,081	2,000	39,331
EL 7	Underground Infrastructure Replacement - Non Residential	500	500	550	550	550	2,850	3,560	425	9,485
EL 8	Underground Distribution Infrastructure Replacements (Non-	1,000	1,000	1,000	1,000	1,000	5,000	670	840	11,510
EL 9	UG Feeder Exit Replacement Substations	500	500	500	500	500	2,500	325	375	5,700
EL 10	Overhead Distribution System Circuit Improvements	75	75	75	75	75	375	84	51	885
EL 11	Distribution System Sectionalizing	700	500	250	250	250	1,250	2	375	3,577
EL 12	Overhead Infrastructure Improvements	1,250	1,250	1,450	1,450	1,550	7,750	1,083	995	16,778
EL 13	Thoroughfare LED Lighting - New Installations	250	250	300	400	500	2,500	20	230	4,450
EL 14	Thoroughfare LED Roadway Lighting-Conversion	2,500	0	0	0	0	0	470	125	3,095
EL 15	Conservation Load Reduction (CVR)	250	400	500	500	250	625	1,294	425	4,244
EL 16	System Reactive Power Compensation	250	500	225	175	125	625	2,865	525	5,290
EL 17	Fiber Optic Cable Line Extensions for Electric System Auton	500	500	500	500	500	2,500	218	282	5,500
EL 18	SONET Communications for Smart Grid	250	250	250	250	125	625	550	183	2,483
EL 19	Distribution Automation	250	500	1,000	1,500	1,750	11,500	377	225	17,102
EL 20	Sub-Transmission Pole Replacement	1,500	1,500	1,500	1,500	1,500	7,500	1,273	1,250	17,523
EL 21	Distribution Circuit Breaker Replacement	400	400	400	0	0	0	180	395	1,775
EL 22	66 kV System Sectionalizing Improvements	300	300	300	300	300	1,500	69	248	3,317
EL 23	Distribution Substation Equipment Replacement	100	100	100	100	100	500	40	35	1,075
EL 24	T/D Sub Differential and Back-Up Overcurrent Relay Replac	150	150	150	150	0	0	94	125	819
EL 25	T/D Sub 66 kV Power Transformer Protection Equipment Up	400	400	400	400	400	0	868	375	3,243
EL 26	T/D Substation Control Building Replacement	400	400	400	400	400	0	222	400	2,622
EL 27	Bordeaux 67-12 kV Substation Rebuild	250	0	0	0	0	0	319	1,681	2,250
EL 28	Black & Decker Substation Rebuild	250	0	0	0	0	0	0	1,800	2,050
EL 29	Cumberland Road 66 -12 kV Substation Rebuild	2,000	350	0	0	0	0	0	0	2,350
EL 30	PO Hoffer 66-12 kV Substation Rebuild	1,000	1,750	0	0	0	0	0	0	2,750
EL 31	FTI 66-12 kV Substation Rebuild and Relocation	50	1,000	2,200	500	0	0	0	0	3,750
EL 32	CoF Langdon St Widening Project	0	0	300	0	0	0	0	0	300
EL 33	Distribution Substation 66-12 kV Power Transformer	0	1,750	875	875	875	4,375	712	1,750	11,212
EL 34	230-67kV Auto-Transformer	0	0	0	2,500	0	3,075	4	0	5,579

SUMMARY BY PROJECT

REF #	PROJECT NAME	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 27-31	PRE-FY 2021	FY 2021 EST.	TOTAL COST
(Dollars in thousands)										
EL 35	POD IV 230-66 kV Substation	0	0	0	0	125	15,850	1,392	100	17,467
EL 36	POD V 230-66 kV Substation	200	0	0	0	0	25,000	19	2,750	27,969
EL 37	ROW Additions Distribution	150	150	150	150	150	750	59	99	1,658
EL 38	ROW Additions Transmission - Asset Protection	350	350	500	500	500	2,500	0	0	4,700
EL 39	POD I 230 kV Switch Replacement	250	0	0	0	0	0	0	0	250
EL 40	Downtown UG Infrastructure Reliability Improvements	600	750	0	0	0	0	64	400	1,814
EL 41	Underground Distribution / Streetscape Improvement	50	50	50	50	50	250	0	0	500
EL 42	CoF Person St 300 - 600 Block Streetscape Improvement	0	0	0	0	0	1,650	1,242	0	2,892
EL 43	DMS Software and Implementation	750	250	0	0	0	0	0	0	1,000
EL 44	BWGP Heat Recovery Steam Generator Boiler Tube Replac	9,220	0	0	0	0	0	0	780	10,000
EL 45	BWGP Water Purification System	50	0	0	0	0	0	0	275	325
EL 46	Battery Storage	2,600	0	0	0	0	0	0	1,000	3,600
EL 47	Renewable Resource Development	1,250	19,000	0	0	0	0	0	250	20,500
EL 48	NCDOT U-5015 Murchison Road Improvement	0	0	0	0	0	2,000	0	0	2,000
EL 49	Bragg Boulevard Gateway Improvement - Phase II	0	0	0	0	0	2,300	0	0	2,300
EL 50	NCDOT U-5798A Gillis Hill Road Widening	2,200	150	0	0	0	0	25	95	2,470
EL 51	NCDOT U-5798B Gillis Hill Road Widening	0	0	0	0	0	2,700	0	0	2,700
EL 52	NCDOT U-4403B Ramsey Street Widening	0	0	0	0	0	7,150	0	0	7,150
EL 53	NCDOT U-4403C Ramsey Street Widening US 401 By-Pass	0	0	0	0	0	29,550	0	0	29,550
EL 54	NCDOT U-4900 Murchison Road Widening	0	0	0	0	0	4,250	0	0	4,250
EL 55	NCDOT U-5101 Stacey Weaver Drive Widening	0	0	0	0	0	7,675	0	0	7,675
EL 56	NCDOT U-4404 Cliffdale Road Widening	0	0	0	0	0	4,250	0	0	4,250
EL 57	NCDOT U-6133 Cliffdale Road / Skibo Road Intersection Im	0	0	0	0	0	2,000	0	0	2,000
EL 58	NCDOT U-6209 Cliffdale Road Widening	0	0	0	0	0	3,950	0	0	3,950
EL 59	NCDOT U-6213 Ireland Drive Widening	0	0	0	0	0	3,250	0	0	3,250
EL 60	NCDOT U-6152 Robeson Street Access Management	0	0	0	0	0	2,250	0	0	2,250
TOTAL ELECTRIC SYSTEMS		38,595	41,275	20,525	21,525	18,875	214,125	22,981	23,997	401,898
TOTAL ALL PROJECTS		138,137	142,100	155,970	147,763	159,063	536,312	141,975	68,379	1,489,699

SUMMARY BY CATEGORY

REF #	PROJECT NAME	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 27-31	PRE-FY 2021	FY 2021 EST.	TOTAL COST
(Dollars in thousands)										
METERS										
CP 1	Electric Meters and Metering Equipment	475	497	520	544	569	3,269	345	183	6,402
CP 2	Water Meters	1,017	1,057	1,098	1,142	1,187	6,691	521	529	13,242
	TOTAL METERS	1,492	1,554	1,618	1,686	1,756	9,960	866	712	19,644
BUILDINGS & IMPROVEMENTS										
CS 1	Robert C. Williams Business Center Upfit	60	60	60	60	60	300	214	214	1,028
CS 2	Multipurpose Building	0	0	300	8,910	1,140	0	0	0	10,350
CS 3	Upgrade Interior Finishes in the Operations Building	120	0	0	0	0	0	0	0	120
	TOTAL BUILDINGS & IMPROVEMENTS	180	60	360	8,970	1,200	300	214	214	11,498
INHOUSE COMPUTER SYSTEMS										
EL 43	DMS Software and Implementation	750	250	0	0	0	0	0	0	1,000
	TOTAL INHOUSE COMPUTER SYSTEMS	750	250	0	0	0	0	0	0	1,000
NCDOT ELECTRIC										
EL 50	NCDOT U-5798A Gillis Hill Road Widening	2,200	150	0	0	0	0	25	95	2,470
EL 51	NCDOT U-5798B Gillis Hill Road Widening	0	0	0	0	0	2,700	0	0	2,700
EL 52	NCDOT U-4403B Ramsey Street Widening	0	0	0	0	0	7,150	0	0	7,150
EL 53	NCDOT U-4403C Ramsey Street Widening US 401 By-Pa	0	0	0	0	0	29,550	0	0	29,550
EL 54	NCDOT U-4900 Murchison Road Widening	0	0	0	0	0	4,250	0	0	4,250
EL 55	NCDOT U-5101 Stacey Weaver Drive Widening	0	0	0	0	0	7,675	0	0	7,675
EL 56	NCDOT U-4404 Cliffdale Road Widening	0	0	0	0	0	4,250	0	0	4,250
EL 57	NCDOT U-6133 Cliffdale Road / Skibo Road Intersection I	0	0	0	0	0	2,000	0	0	2,000
EL 58	NCDOT U-6209 Cliffdale Road Widening	0	0	0	0	0	3,950	0	0	3,950
EL 59	NCDOT U-6213 Ireland Drive Widening	0	0	0	0	0	3,250	0	0	3,250
EL 60	NCDOT U-6152 Robeson Street Access Management	0	0	0	0	0	2,250	0	0	2,250
EL 48	NCDOT U-5015 Murchison Road Improvement	0	0	0	0	0	2,000	0	0	2,000
	TOTAL NCDOT ELECTRIC	2,200	150	0	0	0	69,025	25	95	71,495
NCDOT W/WW										
WS 31	Utility Improvements for NCDOT Resurfacing and Stormw	25	25	25	25	25	125	7	5	262
WS 32	NCDOT U-6001 NC 59 Widening, Parkton Road to US 30	105	1,140	1,395	0	0	250	67	230	3,187
WS 33	NCDOT U-6072A SR1112 (Rockfish Rd) from Strickland E	0	0	0	0	0	661	0	0	661
WS 34	NCDOT U-6073 Fisher Rd. from Strickland Bridge Rd. to f	0	0	437	956	682	7,224	0	0	9,299
WS 35	NCDOT U-4405 Raeferd Rd Median Improv, Hampton Oa	200	395	2,880	395	5,260	7,075	1,866	360	18,431
WS 36	NCDOT U-2519B A/BB Fayetteville Outer Loop from Soutl	15	15	5,737	0	0	0	14	3	5,784
WS 37	NCDOT U-5015 Murchison Road (Langdon St to US 401)	0	0	0	0	10	180	0	0	190
WS 38	NCDOT U-4900 Murchison Road Widening - Water	170	220	220	95	6,195	65	10	100	7,075
WS 39	NCDOT U-5101(A) Shaw Rd to Stacey Weaver Dr Wideni	200	110	70	80	395	0	0	0	855
WS 40	NCDOT U-5798 A - Gillis Hill Rd Widening - Water	55	1,265	25	10	0	0	57	47	1,459
WS 41	NCDOT U-5798 B - Gillis Hill Road Widening - Water	105	100	20	90	40	1,470	0	0	1,825
WS 42	NCDOT U-3422 Camden Rd Widening - Water	210	220	160	245	14,245	95	115	30	15,320
WS 43	NCDOT U-2519A A/AB - Fayetteville Outer Loop from Sol	683	0	0	0	0	0	7	16	706
WS 44	NCDOT U-4709 Rockfish Road, Golfview Drive to NC 59 -	65	50	50	3,030	10	0	30	30	3,265
WS 45	NCDOT U-4403(B) Ramsey Street Widening - Water	60	60	270	370	270	5,475	25	9	6,539
WS 46	NCDOT U-4403(C) Ramsey Street Widening - Water	60	235	470	370	370	21,000	0	9	22,514
WS 47	NCDOT U-4403(A) Ramsey Street Widening - Water	0	0	0	0	0	70	0	0	70
WS 98	Utility Improvements for NCDOT Resurfacing and Stormw	10	10	10	10	10	50	4	2	106
WS 99	NCDOT U-6073 Fisher Rd. from Strickland Bridge Rd. to f	0	0	68	88	69	494	0	0	719
WS 100	NCDOT U-2519B A/BB Fayetteville Outer Loop from Soutl	10	5	753	0	0	0	10	10	788
WS 101	NCDOT U-5015 Murchison Road (Langdon St to US 401)	0	0	0	0	10	180	0	0	190
WS 102	NCDOT U-4900 Murchison Road Widening - Sewer	60	85	85	35	2,135	35	64	16	2,515

SUMMARY BY CATEGORY

REF #	PROJECT NAME	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 27-31	PRE-FY 2021	FY 2021 EST.	TOTAL COST
(Dollars in thousands)										
WS 103	NCDOT U-5101(A) Shaw Rd Widening - Sewer	220	95	40	85	435	0	0	0	875
WS 104	DOTR U-5798 A - Gillis Hill Rd Widening - Sewer	30	745	10	5	0	0	27	18	835
WS 105	NCDOT U-3422 Camden Rd Widening - Sewer	90	90	40	60	260	35	21	10	606
WS 106	NCDOT U-6072A SR1112 (Rockfish Rd) from Strickland E	0	0	0	0	0	95	0	0	95
WS 107	NCDOT U-4405 Raeford Rd Median Improv, Hampton Oa	1,450	95	275	85	1,210	6,800	378	148	10,441
WS 108	NCDOT U-4709 Rockfish Road, Golfview Drive to NC 59 -	15	20	20	840	10	0	7	10	922
WS 109	NCDOT U-4403(B) Ramsey Street Widening - Sewer	60	60	170	270	220	3,725	524	9	5,038
WS 110	NCDOT U-4403(C) Ramsey Street Widening - Sewer	60	160	270	170	170	3,900	0	9	4,739
WS 111	NCDOT U-4403(A) Ramsey Street Widening - Sewer	0	0	0	0	0	70	0	0	70
TOTAL NCDOT W/WW		3,958	5,200	13,500	7,314	32,031	59,074	3,233	1,071	125,381
CITY OF FAYETTEVILLE-ELECTRIC										
EL 32	CoF Langdon St Widening Project	0	0	300	0	0	0	0	0	300
EL 40	Downtown UG Infrastructure Reliability Improvements	600	750	0	0	0	0	64	400	1,814
EL 41	Underground Distribution / Streetscape Improvement	50	50	50	50	50	250	0	0	500
EL 42	CoF Person St 300 - 600 Block Streetscape Improvement	0	0	0	0	0	1,650	1,242	0	2,892
TOTAL CITY OF FAYETTEVILLE-ELECTRIC		650	800	350	50	50	1,900	1,306	400	5,506
CITY OF FAYETTEVILLE-W/WW										
WS 29	Utility Improvements for City of Fayetteville Storm Drainag	280	280	280	280	280	1,400	182	215	3,197
WS 96	Utility Improvements for City of Fayetteville Storm Drainag	240	240	240	240	240	1,200	83	115	2,598
TOTAL CITY OF FAYETTEVILLE-W/WW		520	520	520	520	520	2,600	265	330	5,795
TOWN OF HOPE MILLS-W/WW										
WS 30	Utility Improvements for the Town of Hope Mills Stormwat	25	25	25	25	25	125	101	2	353
WS 97	Utility Improvements for the Town of Hope Mills Stormwat	25	25	25	25	25	125	90	2	342
TOTAL TOWN OF HOPE MILLS-W/WW		50	50	50	50	50	250	191	4	695
NEW SERVICES(INCL TRANSFORMERS)-ELECTRIC										
EL 1	Underground Distribution Infrastructure Installations - New	1,600	1,700	1,750	1,800	1,850	10,000	1,976	1,494	22,170
EL 2	Overhead Infrastructure Installation - New	25	25	25	25	25	125	34	24	308
EL 4	Padmount Transformers	1,100	1,150	1,200	1,250	1,300	7,250	1,054	1,000	15,304
EL 5	Overhead Transformers	400	400	400	400	400	2,000	368	395	4,763
EL 17	Fiber Optic Cable Line Extensions for Electric System Aut	500	500	500	500	500	2,500	218	282	5,500
TOTAL NEW SERVICES(INCL XFRMRS)-ELECTRIC		3,625	3,775	3,875	3,975	4,075	21,875	3,650	3,195	48,045
NEW SERVICES-W/WW										
WS 2	New Water Service Laterals and Water Main Extensions	600	618	636	655	675	3,466	659	600	7,909
WS 4	New Hydrant and Valve Installation	125	128	131	134	137	694	117	125	1,591
WS 49	New Sewer Service Laterals and Sewer Main Extensions	480	504	529	555	582	3,056	409	480	6,595
TOTAL NEW SERVICES-W/WW		1,205	1,250	1,296	1,344	1,394	7,216	1,185	1,205	16,095
ANNEXATION										
WS 7	Phase V Annexation - Water Main Extension	3,838	1,023	1,603	2,058	4,904	3,513	927	1,483	19,349
WS 63	Phase V Annexation	24,327	26,617	26,791	19,147	29,998	19,061	87,677	15,372	248,990
TOTAL ANNEXATION		28,165	27,640	28,394	21,205	34,902	22,574	88,604	16,855	268,339
REHABILITATION/REPLACEMENT-W/WW										
WS 3	Water Lateral Renewals (PWC Forces)	750	788	827	868	912	4,560	752	900	10,357
WS 5	Water Distribution System Rehabilitation	6,000	6,500	7,000	7,500	8,500	59,000	5,301	6,000	105,801
WS 8	Replace Existing Water Mains not Encased Under Railroa	975	1,010	1,010	1,160	0	0	645	700	5,500
WS 13	Hillsboro Street Water Main Replacement	0	115	225	695	0	0	0	0	1,035
WS 14	Yadkin Road Water Main Replacement	0	10	520	5,130	0	0	0	0	5,660

SUMMARY BY CATEGORY

REF #	PROJECT NAME	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 27-31	PRE-FY 2021	FY 2021 EST.	TOTAL COST
(Dollars in thousands)										
WS 18	Gillespie Street Water Main Replacement	0	0	0	160	260	2,985	0	0	3,405
WS 19	Southern Avenue Water Main Replacement, Camden to G	0	0	0	0	155	2,625	0	0	2,780
WS 20	Southern Avenue Water Main Replacement, Camden to G	0	0	0	0	0	3,030	0	0	3,030
WS 21	Lagrange Subdivision Water Main Replacement	0	0	0	0	0	7,125	0	0	7,125
WS 28	Kornbow Lake Dam Spillway Replacement	869	991	0	0	0	0	0	215	2,075
WS 50	Sewer Lateral Renewals (PWC Forces)	750	769	788	807	826	4,243	697	750	9,630
WS 51	Sanitary Sewer Manhole Rehabilitation	2,200	2,300	2,400	2,500	2,600	14,500	1,874	2,100	30,474
WS 52	Sanitary Sewer Main Rehabilitation	6,000	6,500	7,000	7,500	8,500	59,000	5,088	6,000	105,588
WS 53	Lift Station Rehabilitation	610	610	610	610	610	1,830	851	610	6,341
WS 59	Replacement of HDPE-Lined Sewer Mains	10	620	1,720	1,720	1,720	1,720	0	0	7,510
WS 62	Freedom Town Center Sewer Replacement	900	0	0	0	0	0	176	462	1,538
WS 66	McFadyen Lake Sewer Main Rehabilitation	0	0	0	110	1,110	2,485	0	0	3,705
WS 68	Old Wilmington Road Sewer Replacement	0	0	0	0	0	1,000	5	0	1,005
WS 69	Murchison Road Sewer Improvements, (Jasper St. to Murr	40	510	1,110	0	0	0	35	18	1,713
WS 71	Branson Creek Interceptor Replacement, Phase I	0	0	0	0	35	1,265	0	0	1,300
WS 72	Branson Creek Interceptor Replacement, Phase II	0	0	0	0	0	1,950	0	0	1,950
WS 85	Sewer Main Rehab - Mintz Pond and Kornbow Lake	0	410	710	0	0	0	0	5	1,125
TOTAL REHABILITATION/REPLACEMENT-W/WW		19,104	21,133	23,920	28,760	25,228	167,318	15,424	17,760	318,647
OUTFALL REHABILITATION/REPLACEMENT										
WS 60	Line 54" Outfall - Research Drive to I-95	695	1,000	1,830	0	0	0	26	55	3,606
WS 67	Line North Street Outfall, Milan Road to Gale Street	0	0	0	0	0	920	0	0	920
WS 73	Rehabilitation of the Blounts Creek Outfall, Campbell to R	0	560	0	0	0	0	0	0	560
WS 74	Replacement of the Cross Creek Outfall, Greensboro Stre	1,565	2,940	0	0	0	0	0	315	4,820
WS 75	Line Beaver Creek Outfall, Phase II	10	210	2,010	0	0	0	0	0	2,230
WS 76	Line the Beaver Creek Outfall, Phase III	0	10	510	1,210	0	0	0	0	1,730
WS 77	Line Beaver Creek Outfall, Phase IV	0	0	10	510	1,210	0	0	0	1,730
WS 78	Line Beaver Creek Outfall, Phase V	0	0	0	10	510	1,210	0	0	1,730
WS 79	Line Beaver Creek Outfall, Phase VI	0	0	0	0	10	2,530	0	0	2,540
WS 80	Line 54" Outfall - I-95 to Claude Lee Road	0	0	80	710	1,410	0	0	0	2,200
WS 81	Line 54-Inch Outfall, Claude Lee Road to Pennystone Driv	0	0	0	0	0	2,530	0	0	2,530
WS 82	Line 54-Inch Outfall, Pennystone Drive to Laurelwood Plac	0	0	0	0	0	2,530	0	0	2,530
TOTAL OUTFALL REHABILITATION/REPLACEMENT		2,270	4,720	4,440	2,440	3,140	9,720	26	370	27,126
PLANT IMPROVEMENTS-W/WW										
WS 26	Replace Standby Power Generator at the PO Hoffer WTP	0	2,630	0	0	0	0	0	0	2,630
WS 27	PO Hoffer WTP / Glenville Lake WTP Reliability Improven	170	5,330	4,876	0	0	0	65	166	10,607
WS 86	Cross Creek WRF Reliability Improvements	0	510	740	10,314	8,441	0	0	0	20,005
WS 87	Replace Standby Power Generator at the Cross Creek WF	3,295	0	0	0	0	0	0	0	3,295
WS 88	Roof Replacement for the Thickening and Transfer Buildin	172	0	0	0	0	0	0	0	172
WS 89	Cross Creek WRF Pump Station #3 Rehabilitation	110	1,430	975	0	0	0	0	0	2,515
WS 90	Replace Clarifier #3 Mechanism at the Rockfish Creek WF	435	0	0	0	0	0	0	0	435
WS 92	Rockfish Creek WRF Screening Improvements	1,485	1,885	0	0	0	0	228	135	3,733
WS 93	Replace Rockfish Creek WRF IPS Screw Pumps #1 and #	15	940	0	0	0	0	0	0	955
WS 94	Replace Rockfish Creek WRF IPS Screw Pumps #3 and #	0	15	940	0	0	0	0	0	955
WS 95	Replace Standby Power Generator at the Rockfish Creek '	3,040	0	0	0	0	0	27	115	3,182
TOTAL PLANT IMPROVEMENTS-W/WW		8,722	12,740	7,531	10,314	8,441	0	320	416	48,484
PLANT EXPANSION-W/WW										
WS 24	PO Hoffer WTF Capacity Expansion, Phase 2	0	0	0	60	10,510	29,105	2,854	0	42,529
WS 25	PO Hoffer WTF Capacity Expansion, Phase 3 – Residuals	505	605	8,515	7,430	0	0	61	199	17,315
WS 91	Rockfish Creek WRF Expansion Phase 3	3,609	5,758	24,353	27,829	17,401	0	320	5	79,275
TOTAL PLANT EXPANSION-W/WW		4,114	6,363	32,868	35,319	27,911	29,105	3,235	204	139,119

SUMMARY BY CATEGORY

REF #	PROJECT NAME	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 27-31	PRE-FY 2021	FY 2021 EST.	TOTAL COST
(Dollars in thousands)										
OTHER W/WW SYSTEM IMPROVEMENTS										
WS 1	Land and Land Rights - Water	20	20	20	20	20	100	83	20	303
WS 6	Braxton Road 12" Water Main Extension	0	85	385	130	0	0	0	0	600
WS 48	Land and Land Rights - Sewer	20	20	20	20	20	100	19	20	239
WS 54	Lift Station Electrical Upgrades	0	260	795	2,400	1,690	1,095	0	0	6,240
WS 55	North Fayetteville Lift Station Upgrades - Phase 4	710	2,390	0	0	0	0	52	126	3,278
WS 56	Longview Lift Station and Force Main Upgrade	860	575	0	0	0	0	19	40	1,494
WS 57	King Street Lift Station Replacement	0	10	210	85	620	1,595	0	0	2,520
WS 58	Replace Lift Station #72 - Cypress Lakes #1	48	603	553	0	0	0	0	0	1,204
WS 64	Replacement of the Shadowlawn Aerial Sewer Crossing	980	0	0	0	0	0	80	140	1,200
WS 65	Lamon Street Aerial Sewer Replacement	0	185	1,185	1,630	0	0	0	0	3,000
WS 83	Big Rockfish Sanitary Sewer Outfall	14,986	4,454	2,175	0	0	0	1,947	3,343	26,905
WS 84	Big Rockfish Sanitary Sewer Outfall - Lift Station Elimination	498	1,757	3,005	0	0	0	727	531	6,518
TOTAL OTHER W/WW SYSTEM IMPROVEMENTS		18,122	10,359	8,348	4,285	2,350	2,890	2,927	4,220	53,501
SYSTEM REINFORCEMENT										
WS 9	Chicken Foot Road 16" Water Main Interconnect	614	614	0	0	0	0	160	48	1,436
WS 10	West Fayetteville Pressure Zone Improvements	596	6,745	3,380	0	0	0	0	175	10,896
WS 11	Sandhill Road 12" Water Main Extension	0	150	585	450	0	0	0	0	1,185
WS 12	Cliffdale Road Transmission Water Main Improvements	978	1,125	0	0	0	0	0	252	2,355
WS 15	US HWY 401 North - Elevated Water Tank (Contract 3)	15	0	5,370	13	0	0	283	0	5,681
WS 16	High Pressure Zone Transmission Water Main Improvements	348	515	3,255	2,888	0	0	0	100	7,106
WS 17	Kings Grant Water Main Looping	0	0	0	0	0	865	0	0	865
WS 22	Cypress Lakes Water Main Reinforcement - Phase 1	0	0	10	670	595	4,020	0	0	5,295
WS 23	Cypress Lakes Water Main Reinforcement - Phase 2	0	0	0	10	670	4,840	0	0	5,520
WS 61	Rockfish Creek Basin Peak Flow Facilities	9,089	87	0	0	0	0	2,061	446	11,683
WS 70	B Street Parallel Sewer	0	0	0	0	0	1,455	0	0	1,455
TOTAL SYSTEM REINFORCEMENT		11,640	9,236	12,600	4,031	1,265	11,180	2,504	1,021	53,477
BUTLER WARNER GENERATION PLANT										
EL 44	BWGP Heat Recovery Steam Generator Boiler Tube Replacement	9,220	0	0	0	0	0	0	780	10,000
EL 45	BWGP Water Purification System	50	0	0	0	0	0	0	275	325
TOTAL BUTLER WARNER GENERATION PLANT		9,270	0	0	0	0	0	0	1,055	10,325
SUBSTATIONS										
EL 9	UG Feeder Exit Replacement Substations	500	500	500	500	500	2,500	325	375	5,700
EL 23	Distribution Substation Equipment Replacement	100	100	100	100	100	500	40	35	1,075
EL 26	T/D Substation Control Building Replacement	400	400	400	400	400	0	222	400	2,622
EL 27	Bordeaux 67-12 kV Substation Rebuild	250	0	0	0	0	0	319	1,681	2,250
EL 28	Black & Decker Substation Rebuild	250	0	0	0	0	0	0	1,800	2,050
EL 29	Cumberland Road 66 -12 kV Substation Rebuild	2,000	350	0	0	0	0	0	0	2,350
EL 30	PO Hoffer 66-12 kV Substation Rebuild	1,000	1,750	0	0	0	0	0	0	2,750
EL 31	FTI 66-12 kV Substation Rebuild and Relocation	50	1,000	2,200	500	0	0	0	0	3,750
EL 33	Distribution Substation 66-12 kV Power Transformer	0	1,750	875	875	875	4,375	712	1,750	11,212
EL 34	230-67kV Auto-Transformer	0	0	0	2,500	0	3,075	4	0	5,579
EL 35	POD IV 230-66 kV Substation	0	0	0	0	125	15,850	1,392	100	17,467
EL 36	POD V 230-66 kV Substation	200	0	0	0	0	25,000	19	2,750	27,969
TOTAL SUBSTATIONS		4,750	5,850	4,075	4,875	2,000	51,300	3,033	8,891	84,774
LIGHTING										
EL 3	LED Area Lights - New Installations	225	225	225	225	225	1,125	368	220	2,838
EL 13	Thoroughfare LED Lighting - New Installations	250	250	300	400	500	2,500	20	230	4,450
EL 14	Thoroughfare LED Roadway Lighting-Conversion	2,500	0	0	0	0	0	470	125	3,095
EL 49	Bragg Boulevard Gateway Improvement - Phase II	0	0	0	0	0	2,300	0	0	2,300

SUMMARY BY CATEGORY

REF #	PROJECT NAME	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 27-31	PRE-FY 2021	FY 2021 EST.	TOTAL COST
(Dollars in thousands)										
TOTAL LIGHTING		2,975	475	525	625	725	5,925	858	575	12,683
ELECTRIC SYSTEM IMPROVEMENTS										
EL 6	Underground Infrastructure Replacement - Residential	2,500	2,750	3,000	3,250	3,500	21,250	1,081	2,000	39,331
EL 7	Underground Infrastructure Replacement - Non Residential	500	500	550	550	550	2,850	3,560	425	9,485
EL 8	Underground Distribution Infrastructure Replacements (Nc	1,000	1,000	1,000	1,000	1,000	5,000	670	840	11,510
EL 10	Overhead Distribution System Circuit Improvements	75	75	75	75	75	375	84	51	885
EL 11	Distribution System Sectionalizing	700	500	250	250	250	1,250	2	375	3,577
EL 12	Overhead Infrastructure Improvements	1,250	1,250	1,450	1,450	1,550	7,750	1,083	995	16,778
EL 15	Conservation Load Reduction (CVR)	250	400	500	500	250	625	1,294	425	4,244
EL 16	System Reactive Power Compensation	250	500	225	175	125	625	2,865	525	5,290
EL 18	SONET Communications for Smart Grid	250	250	250	250	125	625	550	183	2,483
EL 19	Distribution Automation	250	500	1,000	1,500	1,750	11,500	377	225	17,102
EL 20	Sub-Transmission Pole Replacement	1,500	1,500	1,500	1,500	1,500	7,500	1,273	1,250	17,523
EL 21	Distribution Circuit Breaker Replacement	400	400	400	0	0	0	180	395	1,775
EL 22	66 kV System Sectionalizing Improvements	300	300	300	300	300	1,500	69	248	3,317
EL 24	T/D Sub Differential and Back-Up Overcurrent Relay Repl	150	150	150	150	0	0	94	125	819
EL 25	T/D Sub 66 kV Power Transformer Protection Equipment I	400	400	400	400	400	0	868	375	3,243
EL 39	POD I 230 kV Switch Replacement	250	0	0	0	0	0	0	0	250
EL 37	ROW Additions Distribution	150	150	150	150	150	750	59	99	1,658
EL 38	ROW Additions Transmission - Asset Protection	350	350	500	500	500	2,500	0	0	4,700
EL 46	Battery Storage	2,600	0	0	0	0	0	0	1,000	3,600
EL 47	Renewable Resource Development	1,250	19,000	0	0	0	0	0	250	20,500
TOTAL ELECTRIC SYSTEM IMPROVEMENTS		14,375	29,975	11,700	12,000	12,025	64,100	14,109	9,786	168,070
TOTAL ALL PROJECTS		138,137	142,100	155,970	147,763	159,063	536,312	141,975	68,379	1,489,699

SUMMARY BY FUNDING SOURCE

REF #	PROJECT NAME	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 27-31	PRE-FY 2021	FY 2021 EST.	TOTAL COST
(Dollars in thousands)										
CUSTOMER PROGRAMS										
CP 1	Electric Meters and Metering Equipment	475	497	520	544	569	3,269	345	183	6,402
	ELECTRIC FUND	475	497	520	544	569	3,269	345	183	6,402
CP 2	Water Meters	1,017	1,057	1,098	1,142	1,187	6,691	521	529	13,242
	WATER/SEWER FUND	1,017	1,057	1,098	1,142	1,187	6,691	521	529	13,242
	TOTAL CUSTOMER PROGRAMS	1,492	1,554	1,618	1,686	1,756	9,960	866	712	19,644
CORPORATE SERVICES										
CS 1	Robert C. Williams Business Center Upfit	60	60	60	60	60	300	214	214	1,028
CS 2	Multipurpose Building	0	0	300	8,910	1,140	0	0	0	10,350
CS 3	Upgrade Interior Finishes in the Operations Building	60	0	0	0	0	0	0	0	60
	ELECTRIC FUND	120	60	360	8,970	1,200	300	214	214	11,438
CS 3	Upgrade Interior Finishes in the Operations Building	60	0	0	0	0	0	0	0	60
	WATER FUND	60	0	0	0	0	0	0	0	60
	TOTAL CORPORATE SERVICES	180	60	360	8,970	1,200	300	214	214	11,498
WATER RESOURCES										
WS 1	Land and Land Rights - Water	20	20	20	20	20	100	83	20	303
WS 2	New Water Service Laterals and Water Main Extensions	600	618	636	655	675	3,466	659	600	7,909
WS 3	Water Lateral Renewals (PWC Forces)	750	788	827	868	912	4,560	752	900	10,357
WS 4	New Hydrant and Valve Installation	125	128	131	134	137	694	117	125	1,591
WS 5	Water Distribution System Rehabilitation	4,325	3,825	3,750	4,750	6,350	59,000	5,301	6,000	93,301
WS 6	Braxton Road 12" Water Main Extension	0	85	385	130	0	0	0	0	600
WS 8	Replace Existing Water Mains not Encased Under Railroad	975	1,010	1,010	1,160	0	0	645	700	5,500
WS 9	Chicken Foot Road 16" Water Main Interconnect	0	0	0	0	0	0	160	48	208
WS 10	West Fayetteville Pressure Zone Improvements	596	0	0	0	0	0	0	175	771
WS 11	Sandhill Road 12" Water Main Extension	0	150	585	450	0	0	0	0	1,185
WS 12	Cliffdale Road Transmission Water Main Improvements	978	1,125	0	0	0	0	0	252	2,355
WS 13	Hillsboro Street Water Main Replacement	0	115	225	695	0	0	0	0	1,035
WS 14	Yadkin Road Water Main Replacement	0	10	520	5,130	0	0	0	0	5,660
WS 15	US HWY 401 North - Elevated Water Tank (Contract 3)	15	0	0	0	0	0	283	0	298
WS 16	High Pressure Zone Transmission Water Main Improvement	348	0	0	0	0	0	0	100	448
WS 17	Kings Grant Water Main Looping	0	0	0	0	0	865	0	0	865
WS 21	Lagrange Subdivision Water Main Replacement	0	0	0	0	0	7,125	0	0	7,125
WS 22	Cypress Lakes Water Main Reinforcement - Phase 1	0	0	10	670	595	4,020	0	0	5,295
WS 23	Cypress Lakes Water Main Reinforcement - Phase 2	0	0	0	10	670	4,840	0	0	5,520
WS 24	PO Hoffer WTF Capacity Expansion, Phase 2	0	0	0	60	0	0	2,854	0	2,914
WS 25	PO Hoffer WTF Capacity Expansion, Phase 3 – Residuals F	505	0	0	0	0	0	61	199	765
WS 28	Kornbow Lake Dam Spillway Replacement	869	991	0	0	0	0	0	215	2,075
WS 29	Utility Improvements for City of Fayetteville Storm Drainage	280	280	280	280	280	1,400	182	215	3,197
WS 30	Utility Improvements for the Town of Hope Mills Stormwater	25	25	25	25	25	125	101	2	353
WS 31	Utility Improvements for NCDOT Resurfacing and Stormwater	25	25	25	25	25	125	7	5	262
WS 32	NCDOT U-6001 NC 59 Widening, Parkton Road to US 301	0	0	0	0	0	0	67	230	297
WS 33	NCDOT U-6072A SR1112 (Rockfish Rd) from Strickland Bri	0	0	0	0	0	661	0	0	661
WS 34	NCDOT U-6073 Fisher Rd. from Strickland Bridge Rd. to NC	0	0	437	956	682	192	0	0	2,267
WS 35	NCDOT U-4405 Raeford Rd Median Improv, Hampton Oaks	200	395	380	395	360	475	1,866	360	4,431
WS 36	NCDOT U-2519B A/BB Fayetteville Outer Loop from South	15	15	10	0	0	0	14	3	57

SUMMARY BY FUNDING SOURCE

REF #	PROJECT NAME	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 27-31	PRE-FY 2021	FY 2021 EST.	TOTAL COST
(Dollars in thousands)										
WS 37	NCDOT U-5015 Murchison Road (Langdon St to US 401) - 1	0	0	0	0	10	180	0	0	190
WS 38	NCDOT U-4900 Murchison Road Widening - Water	170	220	220	95	95	65	10	100	975
WS 39	NCDOT U-5101(A) Shaw Rd to Stacey Weaver Dr Widening	200	110	70	80	45	0	0	0	505
WS 40	NCDOT U-5798 A - Gillis Hill Rd Widening - Water	55	45	25	10	0	0	57	47	239
WS 41	NCDOT U-5798 B - Gillis Hill Road Widening - Water	105	100	20	90	40	20	0	0	375
WS 42	NCDOT U-3422 Camden Rd Widening - Water	210	220	160	245	245	95	115	30	1,320
WS 43	NCDOT U-2519A A/AB - Fayetteville Outer Loop from South	15	0	0	0	0	0	7	16	38
WS 44	NCDOT U-4709 Rockfish Road, Golfview Drive to NC 59 - V	65	50	50	30	10	0	30	30	265
WS 45	NCDOT U-4403(B) Ramsey Street Widening - Water	60	60	270	370	270	975	25	9	2,039
WS 46	NCDOT U-4403(C) Ramsey Street Widening - Water	60	235	470	370	370	1,600	0	9	3,114
WS 47	NCDOT U-4403(A) Ramsey Street Widening - Water	0	0	0	0	0	70	0	0	70
WS 48	Land and Land Rights - Sewer	20	20	20	20	20	100	19	20	239
WS 49	New Sewer Service Laterals and Sewer Main Extensions	480	504	529	555	582	3,056	409	480	6,595
WS 50	Sewer Lateral Renewals (PWC Forces)	750	769	788	807	826	4,243	697	750	9,630
WS 51	Sanitary Sewer Manhole Rehabilitation	2,200	2,300	2,400	2,500	2,600	14,500	1,874	2,100	30,474
WS 52	Sanitary Sewer Main Rehabilitation	4,325	3,825	3,750	4,750	6,350	59,000	5,088	6,000	93,088
WS 53	Lift Station Rehabilitation	610	610	610	610	610	1,830	851	610	6,341
WS 54	Lift Station Electrical Upgrades	0	260	795	2,400	1,690	1,095	0	0	6,240
WS 55	North Fayetteville Lift Station Upgrades - Phase 4	0	0	0	0	0	0	52	126	178
WS 57	King Street Lift Station Replacement	0	10	210	85	620	1,595	0	0	2,520
WS 58	Replace Lift Station #72 - Cypress Lakes #1	48	603	553	0	0	0	0	0	1,204
WS 59	Replacement of HDPE-Lined Sewer Mains	10	620	1,720	1,720	1,720	1,720	0	0	7,510
WS 60	Line 54" Outfall - Research Drive to I-95	695	0	0	0	0	0	26	55	776
WS 62	Freedom Town Center Sewer Replacement	0	0	0	0	0	0	176	462	638
WS 64	Replacement of the Shadowlawn Aerial Sewer Crossing	980	0	0	0	0	0	80	140	1,200
WS 65	Lamon Street Aerial Sewer Replacement	0	185	1,185	1,630	0	0	0	0	3,000
WS 66	McFadyen Lake Sewer Main Rehabilitation	0	0	0	110	1,110	2,485	0	0	3,705
WS 67	Line North Street Outfall, Milan Road to Gale Street	0	0	0	0	0	920	0	0	920
WS 68	Old Wilmington Road Sewer Replacement	0	0	0	0	0	1,000	5	0	1,005
WS 69	Murchison Road Sewer Improvements, (Jasper St. to Murch	40	510	1,110	0	0	0	35	18	1,713
WS 70	B Street Parallel Sewer	0	0	0	0	0	1,455	0	0	1,455
WS 71	Branson Creek Interceptor Replacement, Phase I	0	0	0	0	35	1,265	0	0	1,300
WS 72	Branson Creek Interceptor Replacement, Phase II	0	0	0	0	0	1,950	0	0	1,950
WS 73	Rehabilitation of the Blounts Creek Outfall, Campbell to Rus	0	560	0	0	0	0	0	0	560
WS 74	Replacement of the Cross Creek Outfall, Greensboro Street	0	0	0	0	0	0	0	315	315
WS 75	Line Beaver Creek Outfall, Phase II	10	0	0	0	0	0	0	0	10
WS 76	Line the Beaver Creek Outfall, Phase III	0	10	0	0	0	0	0	0	10
WS 77	Line Beaver Creek Outfall, Phase IV	0	0	10	0	0	0	0	0	10
WS 78	Line Beaver Creek Outfall, Phase V	0	0	0	10	0	0	0	0	10
WS 79	Line Beaver Creek Outfall, Phase VI	0	0	0	0	10	0	0	0	10
WS 83	Big Rockfish Sanitary Sewer Outfall	493	176	191	0	0	0	0	0	860
WS 84	Big Rockfish Sanitary Sewer Outfall - Lift Station Elimination	182	148	161	0	0	0	0	0	491
WS 85	Sewer Main Rehab - Mintz Pond and Kornbow Lake	0	410	710	0	0	0	0	5	1,125
WS 86	Cross Creek WRF Reliability Improvements	0	510	0	0	0	0	0	0	510
WS 88	Roof Replacement for the Thickening and Transfer Building	172	0	0	0	0	0	0	0	172
WS 89	Cross Creek WRF Pump Station #3 Rehabilitation	110	1,430	975	0	0	0	0	0	2,515
WS 90	Replace Clarifier #3 Mechanism at the Rockfish Creek WRF	435	0	0	0	0	0	0	0	435
WS 91	Rockfish Creek WRF Expansion Phase 3	0	0	0	0	0	0	320	5	325
WS 92	Rockfish Creek WRF Screening Improvements	0	0	0	0	0	0	228	135	363
WS 93	Replace Rockfish Creek WRF IPS Screw Pumps #1 and #2	15	940	0	0	0	0	0	0	955
WS 94	Replace Rockfish Creek WRF IPS Screw Pumps #3 and #4	0	15	940	0	0	0	0	0	955
WS 95	Replace Standby Power Generator at the Rockfish Creek W	0	0	0	0	0	0	27	115	142
WS 96	Utility Improvements for City of Fayetteville Storm Drainage	240	240	240	240	240	1,200	83	115	2,598
WS 97	Utility Improvements for the Town of Hope Mills Stormwater	25	25	25	25	25	125	90	2	342

SUMMARY BY FUNDING SOURCE

REF #	PROJECT NAME	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 27-31	PRE-FY 2021	FY 2021 EST.	TOTAL COST
(Dollars in thousands)										
WS 98	Utility Improvements for NCDOT Resurfacing and Stormwat	10	10	10	10	10	50	4	2	106
WS 99	NCDOT U-6073 Fisher Rd. from Strickland Bridge Rd. to NC	0	0	68	88	69	45	0	0	270
WS 100	NCDOT U-2519B A/BB Fayetteville Outer Loop from South	10	5	2	0	0	0	10	10	37
WS 101	NCDOT U-5015 Murchison Road (Langdon St to US 401) -	0	0	0	0	10	180	0	0	190
WS 102	NCDOT U-4900 Murchison Road Widening - Sewer	60	85	85	35	35	35	64	16	415
WS 103	NCDOT U-5101(A) Shaw Rd Widening - Sewer	220	95	40	85	35	0	0	0	475
WS 104	DOTR U-5798 A - Gillis Hill Rd Widening - Sewer	30	20	10	5	0	0	27	18	110
WS 105	NCDOT U-3422 Camden Rd Widening - Sewer	90	90	40	60	60	35	21	10	406
WS 106	NCDOT U-6072A SR1112 (Rockfish Rd) from Strickland Bri	0	0	0	0	0	95	0	0	95
WS 107	NCDOT U-4405 Raeford Rd Median Improv, Hampton Oaks	0	0	0	0	0	0	378	148	526
WS 108	NCDOT U-4709 Rockfish Road, Golfview Drive to NC 59 - S	15	20	20	15	10	0	7	10	97
WS 109	NCDOT U-4403(B) Ramsey Street Widening - Sewer	60	60	170	270	220	525	524	9	1,838
WS 110	NCDOT U-4403(C) Ramsey Street Widening - Sewer	60	160	270	170	170	700	0	9	1,539
WS 111	NCDOT U-4403(A) Ramsey Street Widening - Sewer	0	0	0	0	0	70	0	0	70
WATER/SEWER FUND		23,986	25,870	28,178	33,903	28,873	189,927	24,491	22,075	377,303
TOTAL WATER/SEWER FUND										
		23,986	25,870	28,178	33,903	28,873	189,927	24,491	22,075	377,303
WS 25	PO Hoffer WTF Capacity Expansion, Phase 3 – Residuals F	0	605	8,515	7,430	0	0	0	0	16,550
WS 27	PO Hoffer WTP / Glenville Lake WTP Reliability Improve	170	5,330	4,876	0	0	0	65	166	10,607
WS 61	Rockfish Creek Basin Peak Flow Facilities	9,089	87	0	0	0	0	2,061	446	11,683
WS 83	Big Rockfish Sanitary Sewer Outfall	10,371	1,669	0	0	0	0	1,947	3,343	17,330
WS 84	Big Rockfish Sanitary Sewer Outfall - Lift Station Elimination	316	1,609	2,844	0	0	0	727	531	6,027
WS 86	Cross Creek WRF Reliability Improvements	0	0	740	10,314	8,441	0	0	0	19,495
WS 100	NCDOT U-2519B A/BB Fayetteville Outer Loop from South	0	0	315	0	0	0	0	0	315
NC STATE LOAN FUND		19,946	9,300	17,290	17,744	8,441	0	4,800	4,486	82,007
WS 34	NCDOT U-6073 Fisher Rd. from Strickland Bridge Rd. to NC	0	0	0	0	0	7,032	0	0	7,032
WS 35	NCDOT U-4405 Raeford Rd Median Improv, Hampton Oaks	0	0	2,500	0	4,900	6,600	0	0	14,000
WS 36	NCDOT U-2519B A/BB Fayetteville Outer Loop from South	0	0	5,150	0	0	0	0	0	5,150
WS 38	NCDOT U-4900 Murchison Road Widening - Water	0	0	0	0	6,100	0	0	0	6,100
WS 39	NCDOT U-5101(A) Shaw Rd to Stacey Weaver Dr Widening	0	0	0	0	350	0	0	0	350
WS 40	NCDOT U-5798 A - Gillis Hill Rd Widening - Water	0	1,220	0	0	0	0	0	0	1,220
WS 41	NCDOT U-5798 B - Gillis Hill Road Widening - Water	0	0	0	0	0	1,450	0	0	1,450
WS 42	NCDOT U-3422 Camden Rd Widening - Water	0	0	0	0	14,000	0	0	0	14,000
WS 43	NCDOT U-2519A A/AB - Fayetteville Outer Loop from South	668	0	0	0	0	0	0	0	668
WS 44	NCDOT U-4709 Rockfish Road, Golfview Drive to NC 59 - V	0	0	0	3,000	0	0	0	0	3,000
WS 45	NCDOT U-4403(B) Ramsey Street Widening - Water	0	0	0	0	0	4,500	0	0	4,500
WS 46	NCDOT U-4403(C) Ramsey Street Widening - Water	0	0	0	0	0	19,400	0	0	19,400
WS 99	NCDOT U-6073 Fisher Rd. from Strickland Bridge Rd. to NC	0	0	0	0	0	449	0	0	449
WS 100	NCDOT U-2519B A/BB Fayetteville Outer Loop from South	0	0	19	0	0	0	0	0	19
WS 102	NCDOT U-4900 Murchison Road Widening - Sewer	0	0	0	0	2,100	0	0	0	2,100
WS 103	NCDOT U-5101(A) Shaw Rd Widening - Sewer	0	0	0	0	400	0	0	0	400
WS 104	DOTR U-5798 A - Gillis Hill Rd Widening - Sewer	0	725	0	0	0	0	0	0	725
WS 105	NCDOT U-3422 Camden Rd Widening - Sewer	0	0	0	0	200	0	0	0	200
WS 107	NCDOT U-4405 Raeford Rd Median Improv, Hampton Oaks	0	0	200	0	1,150	6,700	0	0	8,050
WS 108	NCDOT U-4709 Rockfish Road, Golfview Drive to NC 59 - S	0	0	0	825	0	0	0	0	825
WS 109	NCDOT U-4403(B) Ramsey Street Widening - Sewer	0	0	0	0	0	3,200	0	0	3,200
WS 110	NCDOT U-4403(C) Ramsey Street Widening - Sewer	0	0	0	0	0	3,200	0	0	3,200
NC DOT RESERVE-W/WW		668	1,945	7,869	3,825	29,200	52,531	0	0	96,038
WS 7	Phase V Annexation - Water Main Extension	3,838	1,023	1,603	2,058	4,904	3,513	927	1,483	19,349
WS 36	NCDOT U-2519B A/BB Fayetteville Outer Loop from South	0	0	577	0	0	0	0	0	577

SUMMARY BY FUNDING SOURCE

REF #	PROJECT NAME	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 27-31	PRE-FY 2021	FY 2021 EST.	TOTAL COST
<i>(Dollars in thousands)</i>										
WS 63	Phase V Annexation	24,327	26,617	26,791	19,147	29,998	19,061	87,677	15,372	248,990
WS 100	NCDOT U-2519B A/BB Fayetteville Outer Loop from South i	0	0	417	0	0	0	0	0	417
	ANNEX V RESERVE	28,165	27,640	29,388	21,205	34,902	22,574	88,604	16,855	269,333
WS 5	Water Distribution System Rehabilitation	1,675	2,675	3,250	2,750	2,150	0	0	0	12,500
WS 9	Chicken Foot Road 16" Water Main Interconnect	614	614	0	0	0	0	0	0	1,228
WS 10	West Fayetteville Pressure Zone Improvements	0	6,745	3,380	0	0	0	0	0	10,125
WS 15	US HWY 401 North - Elevated Water Tank (Contract 3)	0	0	5,370	13	0	0	0	0	5,383
WS 16	High Pressure Zone Transmission Water Main Improvement	0	515	3,255	2,888	0	0	0	0	6,658
WS 18	Gillespie Street Water Main Replacement	0	0	0	160	260	2,985	0	0	3,405
WS 19	Southern Avenue Water Main Replacement, Camden to Gill	0	0	0	0	155	2,625	0	0	2,780
WS 20	Southern Avenue Water Main Replacement, Camden to Gill	0	0	0	0	0	3,030	0	0	3,030
WS 24	PO Hoffer WTF Capacity Expansion, Phase 2	0	0	0	0	10,510	29,105	0	0	39,615
WS 26	Replace Standby Power Generator at the PO Hoffer WTP	0	2,630	0	0	0	0	0	0	2,630
WS 32	NCDOT U-6001 NC 59 Widening, Parkton Road to US 301	105	1,140	1,395	0	0	250	0	0	2,890
WS 52	Sanitary Sewer Main Rehabilitation	1,675	2,675	3,250	2,750	2,150	0	0	0	12,500
WS 55	North Fayetteville Lift Station Upgrades - Phase 4	710	2,390	0	0	0	0	0	0	3,100
WS 56	Longview Lift Station and Force Main Upgrade	860	575	0	0	0	0	19	40	1,494
WS 60	Line 54" Outfall - Research Drive to I-95	0	1,000	1,830	0	0	0	0	0	2,830
WS 62	Freedom Town Center Sewer Replacement	900	0	0	0	0	0	0	0	900
WS 74	Replacement of the Cross Creek Outfall, Greensboro Street	1,565	2,940	0	0	0	0	0	0	4,505
WS 75	Line Beaver Creek Outfall, Phase II	0	210	2,010	0	0	0	0	0	2,220
WS 76	Line the Beaver Creek Outfall, Phase III	0	0	510	1,210	0	0	0	0	1,720
WS 77	Line Beaver Creek Outfall, Phase IV	0	0	0	510	1,210	0	0	0	1,720
WS 78	Line Beaver Creek Outfall, Phase V	0	0	0	0	510	1,210	0	0	1,720
WS 79	Line Beaver Creek Outfall, Phase VI	0	0	0	0	0	2,530	0	0	2,530
WS 80	Line 54" Outfall - I-95 to Claude Lee Road	0	0	80	710	1,410	0	0	0	2,200
WS 81	Line 54-Inch Outfall, Claude Lee Road to Pennystone Drive	0	0	0	0	0	2,530	0	0	2,530
WS 82	Line 54-Inch Outfall, Pennystone Drive to Laurelwood Place	0	0	0	0	0	2,530	0	0	2,530
WS 83	Big Rockfish Sanitary Sewer Outfall	4,122	2,609	1,984	0	0	0	0	0	8,715
WS 87	Replace Standby Power Generator at the Cross Creek WRF	3,295	0	0	0	0	0	0	0	3,295
WS 91	Rockfish Creek WRF Expansion Phase 3	3,609	5,758	24,353	27,829	17,401	0	0	0	78,950
WS 92	Rockfish Creek WRF Screening Improvements	1,485	1,885	0	0	0	0	0	0	3,370
WS 95	Replace Standby Power Generator at the Rockfish Creek W	3,040	0	0	0	0	0	0	0	3,040
WS 107	NCDOT U-4405 Raeford Rd Median Improv, Hampton Oaks	1,450	95	75	85	60	100	0	0	1,865
	BONDS	25,105	34,456	50,742	38,905	35,816	46,895	19	40	231,978
	TOTAL OTHER FUNDS	73,884	73,341	105,289	81,679	108,359	122,000	93,423	21,381	679,356
	TOTAL WATER RESOURCES	97,870	99,211	133,467	115,582	137,232	311,927	117,914	43,456	1,056,659
	ELECTRIC SYSTEMS									
EL 1	Underground Distribution Infrastructure Installations – New	1,600	1,700	1,750	1,800	1,850	10,000	1,976	1,494	22,170
EL 2	Overhead Infrastructure Installation - New	25	25	25	25	25	125	34	24	308
EL 3	LED Area Lights - New Installations	225	225	225	225	225	1,125	368	220	2,838
EL 4	Padmount Transformers	1,100	1,150	1,200	1,250	1,300	7,250	1,054	1,000	15,304
EL 5	Overhead Transformers	400	400	400	400	400	2,000	368	395	4,763
EL 6	Underground Infrastructure Replacement - Residential	2,500	2,750	3,000	3,250	3,500	21,250	1,081	2,000	39,331
EL 7	Underground Infrastructure Replacement - Non Residential	500	500	550	550	550	2,850	3,560	425	9,485
EL 8	Underground Distribution Infrastructure Replacements (Non-	1,000	1,000	1,000	1,000	1,000	5,000	670	840	11,510
EL 9	UG Feeder Exit Replacement Substations	500	500	500	500	500	2,500	325	375	5,700
EL 10	Overhead Distribution System Circuit Improvements	75	75	75	75	75	375	84	51	885
EL 11	Distribution System Sectionalizing	700	500	250	250	250	1,250	2	375	3,577

SUMMARY BY FUNDING SOURCE

REF #	PROJECT NAME	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 27-31	PRE-FY 2021	FY 2021 EST.	TOTAL COST
(Dollars in thousands)										
EL 12	Overhead Infrastructure Improvements	1,250	1,250	1,450	1,450	1,550	7,750	1,083	995	16,778
EL 13	Thoroughfare LED Lighting - New Installations	250	250	300	400	500	2,500	20	230	4,450
EL 15	Conservation Load Reduction (CVR)	250	400	500	500	250	625	1,294	425	4,244
EL 16	System Reactive Power Compensation	250	500	225	175	125	625	2,865	525	5,290
EL 17	Fiber Optic Cable Line Extensions for Electric System Auton	500	500	500	500	500	2,500	218	282	5,500
EL 18	SONET Communications for Smart Grid	250	250	250	250	125	625	550	183	2,483
EL 19	Distribution Automation	250	500	1,000	1,500	1,750	11,500	377	225	17,102
EL 20	Sub-Transmission Pole Replacement	1,500	1,500	1,500	1,500	1,500	7,500	1,273	1,250	17,523
EL 21	Distribution Circuit Breaker Replacement	400	400	400	0	0	0	180	395	1,775
EL 22	66 kV System Sectionalizing Improvements	300	300	300	300	300	1,500	69	248	3,317
EL 23	Distribution Substation Equipment Replacement	100	100	100	100	100	500	40	35	1,075
EL 24	T/D Sub Differential and Back-Up Overcurrent Relay Replac	150	150	150	150	0	0	94	125	819
EL 25	T/D Sub 66 kV Power Transformer Protection Equipment Up	400	400	400	400	400	0	868	375	3,243
EL 26	T/D Substation Control Building Replacement	400	400	400	400	400	0	222	400	2,622
EL 32	CoF Langdon St Widening Project	0	0	300	0	0	0	0	0	300
EL 36	POD V 230-66 kV Substation	0	0	0	0	0	25,000	0	0	25,000
EL 37	ROW Additions Distribution	150	150	150	150	150	750	59	99	1,658
EL 38	ROW Additions Transmission - Asset Protection	350	350	500	500	500	2,500	0	0	4,700
EL 39	POD I 230 kV Switch Replacement	250	0	0	0	0	0	0	0	250
EL 40	Downtown UG Infrastructure Reliability Improvements	600	750	0	0	0	0	64	400	1,814
EL 41	Underground Distribution / Streetscape Improvement	50	50	50	50	50	250	0	0	500
EL 42	CoF Person St 300 - 600 Block Streetscape Improvement	0	0	0	0	0	1,650	1,242	0	2,892
EL 43	DMS Software and Implementation	750	250	0	0	0	0	0	0	1,000
EL 45	BWGP Water Purification System	50	0	0	0	0	0	0	275	325
EL 46	Battery Storage	0	0	0	0	0	0	0	1,000	1,000
EL 47	Renewable Resource Development	250	0	0	0	0	0	0	0	250
EL 49	Bragg Boulevard Gateway Improvement - Phase II	0	0	0	0	0	2,300	0	0	2,300
ELECTRIC FUND		17,325	17,275	17,450	17,650	17,875	121,800	20,040	14,666	244,081
EL 14	Thoroughfare LED Roadway Lighting-Conversion	2,500	0	0	0	0	0	470	125	3,095
EL 47	Renewable Resource Development	1,000	0	0	0	0	0	0	250	1,250
REPS (INCLUDED IN ELECTRIC FUND)		3,500	0	0	0	0	0	470	375	4,345
EL 50	NCDOT U-5798A Gillis Hill Road Widening	2,200	150	0	0	0	0	25	95	2,470
EL 51	NCDOT U-5798B Gillis Hill Road Widening	0	0	0	0	0	2,700	0	0	2,700
EL 52	NCDOT U-4403B Ramsey Street Widening	0	0	0	0	0	7,150	0	0	7,150
EL 53	NCDOT U-4403C Ramsey Street Widening US 401 By-Pass	0	0	0	0	0	29,550	0	0	29,550
EL 54	NCDOT U-4900 Murchison Road Widening	0	0	0	0	0	4,250	0	0	4,250
EL 55	NCDOT U-5101 Stacey Weaver Drive Widening	0	0	0	0	0	7,675	0	0	7,675
EL 56	NCDOT U-4404 Cliffdale Road Widening	0	0	0	0	0	4,250	0	0	4,250
EL 57	NCDOT U-6133 Cliffdale Road / Skibo Road Intersection Im	0	0	0	0	0	2,000	0	0	2,000
EL 58	NCDOT U-6209 Cliffdale Road Widening	0	0	0	0	0	3,950	0	0	3,950
EL 59	NCDOT U-6213 Ireland Drive Widening	0	0	0	0	0	3,250	0	0	3,250
EL 60	NCDOT U-6152 Robeson Street Access Management	0	0	0	0	0	2,250	0	0	2,250
EL 48	NCDOT U-5015 Murchison Road Improvement	0	0	0	0	0	2,000	0	0	2,000
PARTICIPATION (INCLUDED IN ELECTRIC FUND)		2,200	150	0	0	0	69,025	25	95	71,495
EL 44	BWGP Heat Recovery Steam Generator Boiler Tube Replac	9,220	0	0	0	0	0	0	780	10,000
RESERVE (INCLUDED IN ELECTRIC FUND)		9,220	0	0	0	0	0	0	780	10,000
TOTAL ELECTRIC FUND		32,245	17,425	17,450	17,650	17,875	190,825	20,535	15,916	329,921
EL 28	Black & Decker Substation Rebuild	250	0	0	0	0	0	0	1,800	2,050

SUMMARY BY FUNDING SOURCE

REF #	PROJECT NAME	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 27-31	PRE-FY 2021	FY 2021 EST.	TOTAL COST
(Dollars in thousands)										
EL 47	Renewable Resource Development	0	19,000	0	0	0	0	0	0	19,000
EL 46	Battery Storage	2,600	0	0	0	0	0	0	0	2,600
	BONDS	2,850	19,000	0	0	0	0	0	1,800	23,650
EL 27	Bordeaux 67-12 kV Substation Rebuild	250	0	0	0	0	0	319	1,681	2,250
EL 29	Cumberland Road 66 -12 kV Substation Rebuild	2,000	350	0	0	0	0	0	0	2,350
EL 30	PO Hoffer 66-12 kV Substation Rebuild	1,000	1,750	0	0	0	0	0	0	2,750
EL 31	FTI 66-12 kV Substation Rebuild and Relocation	50	1,000	2,200	500	0	0	0	0	3,750
EL 33	Distribution Substation 66-12 kV Power Transformer	0	1,750	875	875	875	4,375	712	1,750	11,212
EL 34	230-67kV Auto-Transformer	0	0	0	2,500	0	3,075	4	0	5,579
EL 35	POD IV 230-66 kV Substation	0	0	0	0	125	15,850	1,392	100	17,467
EL 36	POD V 230-66 kV Substation	200	0	0	0	0	0	19	2,750	2,969
	SUBSTATION CPF (FUNDED BY ELEC FUND)	3,500	4,850	3,075	3,875	1,000	23,300	2,446	6,281	48,327
	TOTAL ELECTRIC SYSTEMS	38,595	41,275	20,525	21,525	18,875	214,125	22,981	23,997	401,898
	TOTAL ALL PROJECTS	138,137	142,100	155,970	147,763	159,063	536,312	141,975	68,379	1,489,699
	TOTAL ELECTRIC FUND	27,140	17,832	18,330	27,164	19,644	125,369	20,599	15,843	271,921
	TOTAL ELECTRIC FD WITH OFFSETTING REVENUES	5,700	150	0	0	0	69,025	495	470	75,840
	TOTAL WATER/SEWER FUND	25,063	26,927	29,276	35,045	30,060	196,618	25,012	22,604	390,605
	TOTAL ELECTRIC & W/WW FUNDS	57,903	44,909	47,606	62,209	49,704	391,012	46,106	38,917	738,366
	NC STATE LOAN FUND	19,946	9,300	17,290	17,744	8,441	0	4,800	4,486	82,007
	NCDOT RESERVE	668	1,945	7,869	3,825	29,200	52,531	0	0	96,038
	TOTAL ANNEX V RESERVE	28,165	27,640	29,388	21,205	34,902	22,574	88,604	16,855	269,333
	TOTAL BONDS	27,955	53,456	50,742	38,905	35,816	46,895	19	1,840	255,628
	TOTAL SUBSTATIONS CPF	3,500	4,850	3,075	3,875	1,000	23,300	2,446	6,281	48,327
	TOTAL OTHER FUNDS	80,234	97,191	108,364	85,554	109,359	145,300	95,869	29,462	751,333
	TOTAL ALL FUNDS	138,137	142,100	155,970	147,763	159,063	536,312	141,975	68,379	1,489,699

PUBLIC WORKS COMMISSION

FY 2022

Table of Contents Customer Programs

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CP 1	Electric Meters and Metering Equipment	21
CP 2	Water Meters	22

Customer Programs

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
CUSTOMER PROGRAMS A1370000		Electric Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
Electric Meters and Metering Equipment			Medium X	New X
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000007	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

Cost of meters labor and material for new construction and/or replacement of damaged meters. The price per unit will vary based on the meter type. The unit cost is \$219.56.

FY22 estimate is based on 1031 new meters and 800 replaced; FY23 estimate is based on 1083 new meters and 840 replaced; FY24 estimate is based on 1137 new meters and 882; FY25 estimate is based on 1194 new meters and 912 replaced; FY26 estimate is based on 1253 new meters and 972 replaced; FY27 estimate is based on 1316 new meters and 1021 replaced; FY28 estimate is based on 1382 new meters and 1072 replaced; FY29 estimate is based on 1451 new meters and 1126 replaced; FY30 estimate is based on 1523 new meters and 1182 replaced and FY31 estimate is based on 1600 new meters and 1241 replaced.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	402,000	422,000	443,000	465,000	488,000	2,834,000	5,054,000
Personnel	73,000	75,000	77,000	79,000	81,000	435,000	820,000
Other	-	-	-	-	-	-	-
Total	475,000	497,000	520,000	544,000	569,000	3,269,000	5,874,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							345,000
<i>FY2021 Estimate</i>							183,000
Total							6,402,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	475,000	497,000	520,000	544,000	569,000	3,269,000	5,874,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	475,000	497,000	520,000	544,000	569,000	3,269,000	5,874,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



CP 1

Customer Programs

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
CUSTOMER PROGRAMS A1332000		Water Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
Water Meters			Medium X	New X
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000008	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

Cost of meters labor and material for new construction and/or replacement of damaged meters. Price per unit will vary based on the meter type. The unit cost is \$210.87. FY22 estimate is based on 1407 new meters and 1365 replaced; FY23 estimate is based on 1477 new meters and 1433 replaced; FY24 estimate is based on 1551 new meters and 1505 replaced; FY25 estimate is based on 1629 new meters and 1580 replaced; FY26 estimate is based on 1710 new meters and 1659 replaced; FY27 estimate is based on 1796 new meters and 1742 replaced; FY28 estimate is based on 1886 new meters and 1829 replaced; FY29 estimate is based on 1980 new meters and 1921 replaced; FY30 estimate is based on 2079 new meters and 2017 replaced; & FY31 estimate is based on 2183 new meters and 2118 replaced.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	585,000	614,000	644,000	677,000	710,000	4,121,000	7,351,000
Personnel	432,000	443,000	454,000	465,000	477,000	2,570,000	4,841,000
Other	-	-	-	-	-	-	-
Total	1,017,000	1,057,000	1,098,000	1,142,000	1,187,000	6,691,000	12,192,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							521,000
<i>FY2021 Estimate</i>							529,000
Total							13,242,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	1,017,000	1,057,000	1,098,000	1,142,000	1,187,000	6,691,000	12,192,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	1,017,000	1,057,000	1,098,000	1,142,000	1,187,000	6,691,000	12,192,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



CP 2

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Corporate Services

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
CORPORATE SERVICES AE 390000		Structures and Improvements	Score	Replacement
PROJECT TITLE			High	Expansion
Robert C. Williams Business Center Upfit			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000002	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

Allowance for renovating up to 7,200 sq. ft. of unleased space at the RCWBC. The unleased space is located on the 1st, 3rd and 4th floors of the RCWBC and has the potential to accommodate multiple tenants, providing steady revenue to PWC. The building is currently 89% occupied with 3 vacant suites.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-30	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	10,000	10,000	10,000	10,000	10,000	50,000	100,000
Construction	50,000	50,000	50,000	50,000	50,000	250,000	500,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	60,000	60,000	60,000	60,000	60,000	300,000	600,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							214,000
<i>FY2021 Estimate</i>							214,000
Total							1,028,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-30	Total
Funding Source							
Electric Fund	60,000	60,000	60,000	60,000	60,000	300,000	600,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	60,000	60,000	60,000	60,000	60,000	300,000	600,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-30	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



CS 1

Corporate Services

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
CORPORATE SERVICES AE 390000		Structures and Improvements	Score	Replacement
PROJECT TITLE			High	Expansion
Multipurpose Building			Medium	New
			Low	Renovation
BID DATE	10/15/2023			
START CONSTRUCTION DATE	12/15/2024			
EXPECTED COMPLETION DATE	5/30/2026			
			BUDGET CODE	
			CPR1000336	

PROJECT DESCRIPTION & JUSTIFICATION

The administration and operations buildings are nearing maximum capacity which creates continuing challenges in trying to host meetings with external agencies, conduct internal staff meetings and expand the wellness program offerings. This project will create additional space for meetings, administrative functions, and fitness programs and equipment. An additional 30+ parking spaces will also be included in the scope of this project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-30	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	300,000	10,000	40,000	-	350,000
Construction	-	-	-	8,900,000	1,100,000	-	10,000,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	-	-	300,000	8,910,000	1,140,000	-	10,350,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							10,350,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-30	Total
Funding Source							
Electric Fund	-	-	300,000	8,910,000	1,140,000	-	10,350,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	300,000	8,910,000	1,140,000	-	10,350,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-30	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



CS 2

Corporate Services

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
CORPORATE SERVICES AT 390000		Structures and Improvements	Score	Replacement X
PROJECT TITLE			High X	Expansion
Upgrade Interior Finishes in the Operations Building			Medium	New
			Low	Renovation X
BID DATE	12/15/2021		BUDGET CODE	
START CONSTRUCTION DATE	1/15/2022		CPR1000484	
EXPECTED COMPLETION DATE	5/30/2022			

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to upgrade the finishes in the PWC Operations Center. The PWC Operations Center was constructed in 1996 and is in need of various upgrades. Upgrades include replacing casework and toilet partitions in the restrooms, replace damage wall coverings with paint, etc.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-30	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	20,000	-	-	-	-	-	20,000
Construction	100,000	-	-	-	-	-	100,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	120,000	-	-	-	-	-	120,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							120,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-30	Total
Funding Source							
Electric Fund	60,000	-	-	-	-	-	60,000
Water/Sewer Fund	60,000	-	-	-	-	-	60,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	120,000	-	-	-	-	-	120,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-30	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



CS 3

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FY 2022

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Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	310000	Land and Land Rights	Score	Replacement
PROJECT TITLE			High	Expansion
Land and Land Rights - Water			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000084	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

This project includes the costs associated with the acquisition of land and land rights due to water distribution system projects. The need arises to purchase land and land rights for projects not associated with the Capital Improvement Plan.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	15,000	15,000	15,000	15,000	15,000	75,000	150,000
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	-	-
Other	5,000	5,000	5,000	5,000	5,000	25,000	50,000
Total	20,000	20,000	20,000	20,000	20,000	100,000	200,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							83,000
<i>FY2021 Estimate</i>							20,000
Total							303,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	20,000	20,000	20,000	20,000	20,000	100,000	200,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	20,000	20,000	20,000	20,000	20,000	100,000	200,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	(100)	(100)	(100)	(100)	(100)	(500)	(1,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	(100)	(100)	(100)	(100)	(100)	(500)	(1,000)

*Priority Score:

High Med Low

WS 1

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement
PROJECT TITLE			High	Expansion
New Water Service Laterals and Water Main Extensions			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000085	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

This project includes the installation of new services and water main extensions by PWC personnel and contracted labor to serve new customers. It will also include installation of parallel mains where needed. This project will add new customer base and provide system growth. An estimated 130 new customers will be added each year by new water service laterals tapped onto existing or newly installed mains. Revenue is based on 130 new customers times the connection fee of \$5,749 plus 130 customers times the average bill of \$26.40 times 12 months.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	60,000	62,000	64,000	66,000	68,000	350,000	670,000
Construction	300,000	309,000	318,000	328,000	338,000	1,736,000	3,329,000
Equipment	140,000	144,000	148,000	152,000	157,000	803,000	1,544,000
Personnel	100,000	103,000	106,000	109,000	112,000	577,000	1,107,000
Other	-	-	-	-	-	-	-
Total	600,000	618,000	636,000	655,000	675,000	3,466,000	6,650,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							659,000
<i>FY2021 Estimate</i>							600,000
Total							7,909,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	600,000	618,000	636,000	655,000	675,000	3,466,000	6,650,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	600,000	618,000	636,000	655,000	675,000	3,466,000	6,650,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	14,000	15,000	16,000	17,000	18,000	88,000	168,000
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	14,000	15,000	16,000	17,000	18,000	88,000	168,000

*Priority Score:

High Med Low

WS 2

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement X
PROJECT TITLE			High X	Expansion
Water Lateral Renewals (PWC Forces)			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000086	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

This project will replace existing water laterals that have reached or exceeded their life expectancy and are not cost effective to repair. This work is also coordinated with NCDOT and City Street Resurfacing and Streetscape projects to avoid cutting pavement in streets that have been recently resurfaced. Renewing services defers or reduces operating maintenance costs.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	480,000	504,000	529,000	555,000	583,000	2,915,000	5,566,000
Personnel	270,000	284,000	298,000	313,000	329,000	1,645,000	3,139,000
Other	-	-	-	-	-	-	-
Total	750,000	788,000	827,000	868,000	912,000	4,560,000	8,705,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							752,000
<i>FY2021 Estimate</i>							900,000
Total							10,357,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	750,000	788,000	827,000	868,000	912,000	4,560,000	8,705,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	750,000	788,000	827,000	868,000	912,000	4,560,000	8,705,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	1,000	1,000	1,000	1,000	1,000	5,000	10,000
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	1,000	1,000	1,000	1,000	1,000	5,000	10,000

*Priority Score:

High Med Low

WS 3

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement
PROJECT TITLE			High	Expansion
New Hydrant and Valve Installation			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000087	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

Provide additional and replacement hydrants and valves to improve distribution system integrity and for flushing water system to improve water quality. PWC anticipates installing hydrants for unidirectional flushing to enhance and maintain water quality.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	100,000	102,000	104,000	106,000	108,000	551,000	1,071,000
Personnel	25,000	26,000	27,000	28,000	29,000	143,000	278,000
Other	-	-	-	-	-	-	-
Total	125,000	128,000	131,000	134,000	137,000	694,000	1,349,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							117,000
<i>FY2021 Estimate</i>							125,000
Total							1,591,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	125,000	128,000	131,000	134,000	137,000	694,000	1,349,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	125,000	128,000	131,000	134,000	137,000	694,000	1,349,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	400	400	400	400	400	2,000	4,000
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	400	400	400	400	400	2,000	4,000

*Priority Score:

High Med Low

WS 4

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement X
PROJECT TITLE			High X	Expansion
Water Distribution System Rehabilitation			Medium	New
			Low	Renovation X
BID DATE	5/15/2019			
START CONSTRUCTION DATE	9/1/2019			
EXPECTED COMPLETION DATE	6/30/2030			
			BUDGET CODE	
			CPR1000088	

PROJECT DESCRIPTION & JUSTIFICATION

This project will reline existing cast iron water mains and replace existing water mains. Due to the age and condition of these mains, some areas of the distribution system are experiencing discolored water, reduced pressure, and reduced fire flows. This work is necessary to maintain the integrity of PWC's system. Additionally, deteriorated water laterals will be replaced as part of this effort. The budget will increase in order to rehabilitate or replace 1% of the system by FY 2030.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	5,100,000	5,350,000	5,600,000	5,850,000	6,350,000	40,000,000	68,250,000
Equipment	-	-	-	-	-	-	-
Personnel	260,000	260,000	260,000	260,000	260,000	1,300,000	2,600,000
Other	640,000	890,000	1,140,000	1,390,000	1,890,000	17,700,000	23,650,000
Total	6,000,000	6,500,000	7,000,000	7,500,000	8,500,000	59,000,000	94,500,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							5,301,000
<i>FY2021 Estimate</i>							6,000,000
Total							105,801,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	4,325,000	3,825,000	3,750,000	4,750,000	6,350,000	59,000,000	82,000,000
Bonds	1,675,000	2,675,000	3,250,000	2,750,000	2,150,000	-	12,500,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	6,000,000	6,500,000	7,000,000	7,500,000	8,500,000	59,000,000	94,500,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

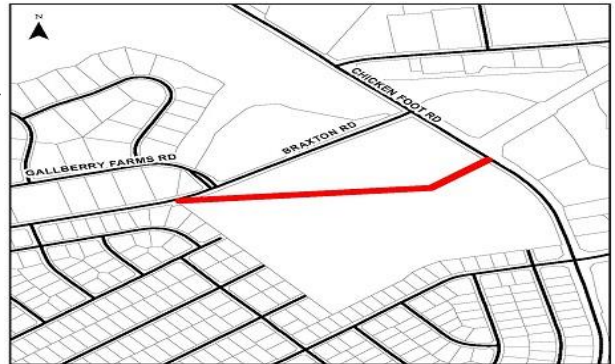
WS 5

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement
PROJECT TITLE			High	Expansion
Braxton Road 12" Water Main Extension			Medium	New
			Low	Renovation
BID DATE	5/1/2023			
START CONSTRUCTION DATE	8/1/2023			
EXPECTED COMPLETION DATE	8/31/2024			
			BUDGET CODE	
			CPR1000288	

PROJECT DESCRIPTION & JUSTIFICATION

PWC currently serves approximately 1,000 customers in the Gallberry Farms Area (along Chicken Foot Road east of I-95) including 3 schools. This area is currently served by a single 16" water transmission main which branches off of Sandhill Road. This project will connect the existing 12" water main on Braxton Road to the 16" transmission main on Chicken Foot Road. This will provide a second feed to the area to improve system reliability. This project has been scheduled to start after NCDOT's planned realignment of Braxton and Sandhill Roads.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	15,000	10,000	-	-	-	25,000
Engineering	-	45,000	25,000	10,000	-	-	80,000
Construction	-	-	325,000	100,000	-	-	425,000
Equipment	-	-	-	-	-	-	-
Personnel	-	15,000	15,000	10,000	-	-	40,000
Other	-	10,000	10,000	10,000	-	-	30,000
Total	-	85,000	385,000	130,000	-	-	600,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							600,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	85,000	385,000	130,000	-	-	600,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	85,000	385,000	130,000	-	-	600,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	(100)	(100)	(100)	(500)	(800)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	(100)	(100)	(100)	(500)	(800)

*Priority Score:

High Med Low

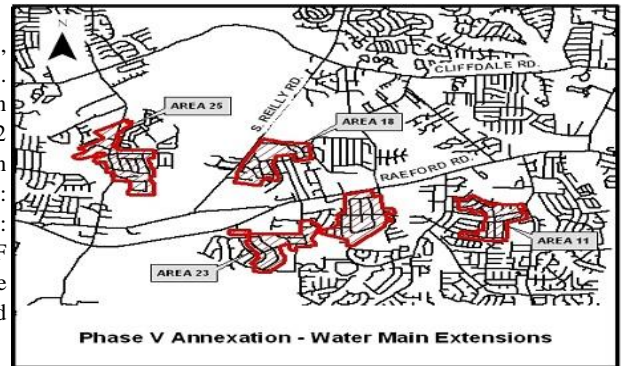
WS 6

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement
PROJECT TITLE			High	Expansion
Phase V Annexation - Water Main Extension			Medium	New
			Low	Renovation
BID DATE	8/1/2011			
START CONSTRUCTION DATE	2/1/2013			
EXPECTED COMPLETION DATE	8/24/2028			
		BUDGET CODE		
		CPR1000095		

PROJECT DESCRIPTION & JUSTIFICATION

This project provides water service to Construction Areas 11, 23, 25, 29, 30, 31, 32, 33, and 34 annexed into the CoF in 2005. Area 11 was completed in FY13. Area 23: Design began FY18 Construction began in FY20; Area 25: Design began in FY19 Construction began in FY21; Area 29: Design begins in FY22 Construction begins in FY24; Areas 30: Design begins in FY24 Construction in FY27; Area 31: Design begins in FY22 Construction begins in FY25; Area 33: Design begins in FY22 Construction in FY24 and FY26; Areas 32 and 34: Design began in FY18 Construction began in FY20. Approximately 70,000 LF of water mains and 472 new water services will be added. Connection rates are assumed to be 50% first year 10% second year 5% each year after. The assumed revenue per customer is \$26.40 with no escalation of the revenue over time.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	9,000	39,000	33,000	-	-	-	81,000
Engineering	294,000	371,000	580,000	509,000	339,000	214,000	2,307,000
Construction	3,388,000	552,000	901,000	1,431,000	4,353,000	3,122,000	13,747,000
Equipment	-	-	-	-	-	-	-
Personnel	147,000	61,000	89,000	118,000	212,000	177,000	804,000
Other	-	-	-	-	-	-	-
Total	3,838,000	1,023,000	1,603,000	2,058,000	4,904,000	3,513,000	16,939,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							927,000
<i>FY2021 Estimate</i>							1,483,000
Total							19,349,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	3,838,000	1,023,000	1,603,000	2,058,000	4,904,000	3,513,000	16,939,000
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	3,838,000	1,023,000	1,603,000	2,058,000	4,904,000	3,513,000	16,939,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	81,000	122,000	122,000	149,000	202,000	2,370,000	3,046,000
Capital Outlays	-	-	-	-	-	-	-
New Revenue	(17,000)	(31,000)	(35,000)	(45,000)	(57,000)	(631,000)	(816,000)
Total	64,000	91,000	87,000	104,000	145,000	1,739,000	2,230,000

*Priority Score:



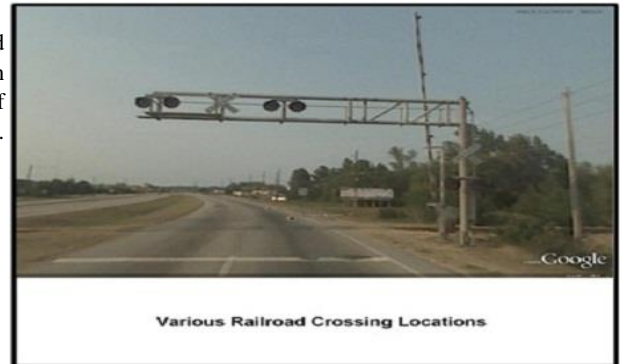
WS 7

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement X
PROJECT TITLE			High X	Expansion
Replace Existing Water Mains not Encased Under Railroad			Medium	New
Crossings			Low	Renovation
BID DATE	3/15/2021			
START CONSTRUCTION DATE	7/15/2021			
EXPECTED COMPLETION DATE	6/30/2025			
			BUDGET CODE	
			CPR1000100	

PROJECT DESCRIPTION & JUSTIFICATION

This project replaces water mains that are not currently encased that are located under railroad crossings. Water main leaks and breaks on mains not encased can cause railroad tracks to settle. Engineering will be completed by in-house staff and consultants. The design of the new water mains was completed in FY2021. Construction is anticipated to begin in FY2022, and continue through FY2025.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	15,000	-	-	-	-	-	15,000
Engineering	50,000	50,000	100,000	150,000	-	-	350,000
Construction	900,000	950,000	900,000	1,000,000	-	-	3,750,000
Equipment	-	-	-	-	-	-	-
Personnel	10,000	10,000	10,000	10,000	-	-	40,000
Other	-	-	-	-	-	-	-
Total	975,000	1,010,000	1,010,000	1,160,000	-	-	4,155,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							645,000
<i>FY2021 Estimate</i>							700,000
Total							5,500,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	975,000	1,010,000	1,010,000	1,160,000	-	-	4,155,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	975,000	1,010,000	1,010,000	1,160,000	-	-	4,155,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

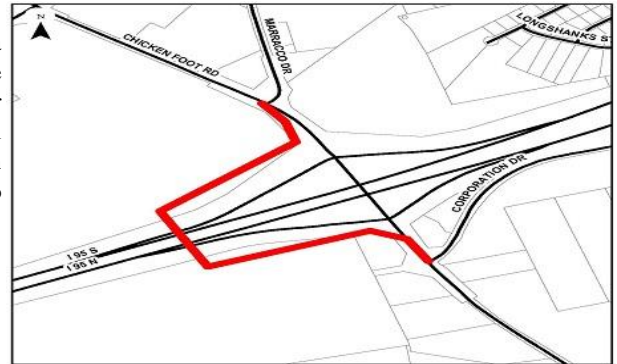
WS 8

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement
PROJECT TITLE			High	Expansion
Chicken Foot Road 16" Water Main Interconnect			Medium	New
			Low	Renovation
BID DATE	11/15/2021			
START CONSTRUCTION DATE	2/13/2022			
EXPECTED COMPLETION DATE	10/11/2022			
			BUDGET CODE	
			CPR1000289	

PROJECT DESCRIPTION & JUSTIFICATION

PWC Currently serves approximately 2,100 customers in the Gray's Creek Area (east of I-95 and south of Tom Starling Road) including 3 schools and the Walmart Distribution Center. This area is currently served by a single 24" water transmission main which branches off Tom Starling Road. This project will interconnect the existing 16" transmission mains that have been stubbed out on both sides of I-95 along Chicken Foot Road. This will provide a second feed to the area to improve system reliability.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	10,000	10,000	-	-	-	-	20,000
Construction	600,000	600,000	-	-	-	-	1,200,000
Equipment	-	-	-	-	-	-	-
Personnel	4,000	4,000	-	-	-	-	8,000
Other	-	-	-	-	-	-	-
Total	614,000	614,000	-	-	-	-	1,228,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							160,000
<i>FY2021 Estimate</i>							48,000
Total							1,436,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	614,000	614,000	-	-	-	-	1,228,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	614,000	614,000	-	-	-	-	1,228,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	(1,500)	(1,500)	(1,500)	(1,500)	(1,500)	(7,500)	(15,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	(1,500)	(1,500)	(1,500)	(1,500)	(1,500)	(7,500)	(15,000)

*Priority Score:

High Med Low

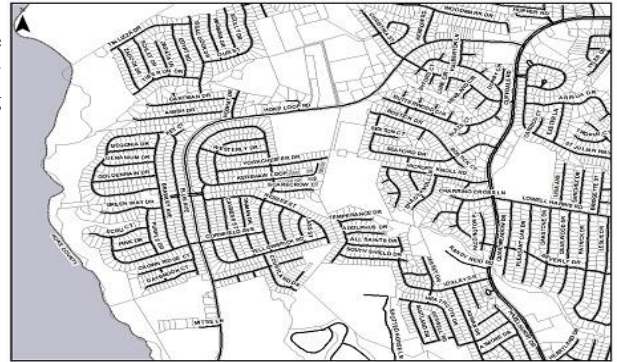
WS 9

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement
PROJECT TITLE			High	Expansion
West Fayetteville Pressure Zone Improvements			Medium	New
			Low	Renovation
BID DATE	5/15/2022			
START CONSTRUCTION DATE	8/13/2022			
EXPECTED COMPLETION DATE	2/4/2024			
			BUDGET CODE	
			CPR1000407	

PROJECT DESCRIPTION & JUSTIFICATION

This project will expand the existing Lagrange Pressure Zone to include the greater West Fayetteville area. The project will include construction of a new booster pump station and 750,000 gallon elevated storage tank. Engineering design will begin in FY21 with construction set for following years.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	140,000	-	-	-	-	-	140,000
Engineering	450,000	775,000	385,000	-	-	-	1,610,000
Construction	-	5,950,000	2,975,000	-	-	-	8,925,000
Equipment	-	-	-	-	-	-	-
Personnel	6,000	20,000	20,000	-	-	-	46,000
Other	-	-	-	-	-	-	-
Total	596,000	6,745,000	3,380,000	-	-	-	10,721,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							175,000
Total							10,896,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	596,000	-	-	-	-	-	596,000
Bonds	-	6,745,000	3,380,000	-	-	-	10,125,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	596,000	6,745,000	3,380,000	-	-	-	10,721,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

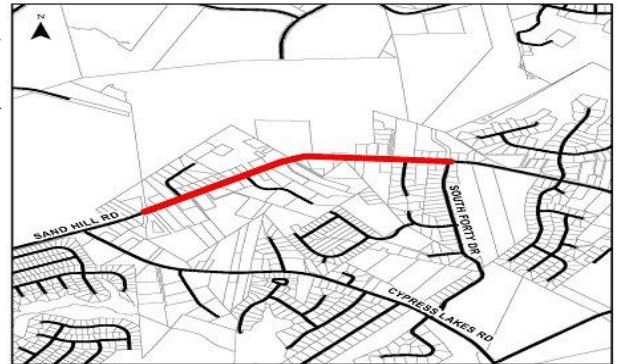
WS 10

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement
PROJECT TITLE			High	Expansion
Sandhill Road 12" Water Main Extension			Medium	New
			Low	Renovation
BID DATE	9/15/2023			
START CONSTRUCTION DATE	2/1/2024			
EXPECTED COMPLETION DATE	12/31/2025			
			BUDGET CODE	
			CPR1000292	

PROJECT DESCRIPTION & JUSTIFICATION

The Churchill Downs and South Forty Drive area of Cypress Lakes is currently served by a single 6" water distribution main. This project will extend a new 12" water main along Sandhill Road to South Forty Drive. This will loop the area water lines and improve system reliability.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	50,000	25,000	-	-	-	75,000
Engineering	-	75,000	35,000	25,000	-	-	135,000
Construction	-	-	500,000	400,000	-	-	900,000
Equipment	-	-	-	-	-	-	-
Personnel	-	15,000	15,000	15,000	-	-	45,000
Other	-	10,000	10,000	10,000	-	-	30,000
Total	-	150,000	585,000	450,000	-	-	1,185,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							1,185,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	150,000	585,000	450,000	-	-	1,185,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	150,000	585,000	450,000	-	-	1,185,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

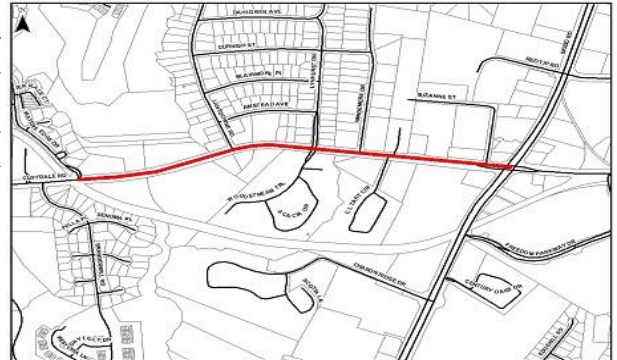
High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	331000	Water Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
Cliffdale Road Transmission Water Main Improvements			Medium X	New X
			Low	Renovation
BID DATE	11/15/2021		BUDGET CODE	
START CONSTRUCTION DATE	2/13/2022		CPR1000405	
EXPECTED COMPLETION DATE	11/10/2022			

PROJECT DESCRIPTION & JUSTIFICATION

This project will improve the transmission system along Cliffdale Road by replacing approximately 3,000-feet of existing 16-inch water main with new 24-inch diameter main from the intersection of Skibo Road to Waters Edge Drive. The improvements are necessary to improve the operation of the School Road re-pump facility. Easement acquisition and engineering design was initiated in FY20 with construction set for FY22 and FY23.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	288,000	-	-	-	-	-	288,000
Engineering	270,000	125,000	-	-	-	-	395,000
Construction	400,000	1,000,000	-	-	-	-	1,400,000
Equipment	-	-	-	-	-	-	-
Personnel	20,000	-	-	-	-	-	20,000
Other	-	-	-	-	-	-	-
Total	978,000	1,125,000	-	-	-	-	2,103,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							252,000
Total							2,355,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	978,000	1,125,000	-	-	-	-	2,103,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	978,000	1,125,000	-	-	-	-	2,103,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

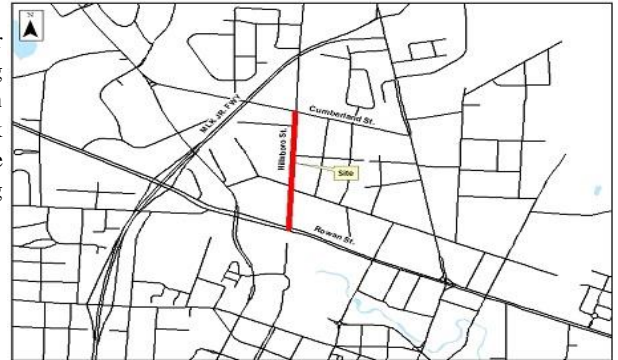
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Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement X
PROJECT TITLE			High X	Expansion X
Hillsboro Street Water Main Replacement			Medium	New
			Low	Renovation X
BID DATE	2/15/2024		BUDGET CODE	
START CONSTRUCTION DATE	5/15/2024		CPR1000444	
EXPECTED COMPLETION DATE	2/15/2025			

PROJECT DESCRIPTION & JUSTIFICATION

This project would replace approximately 2,300 LF of 6-inch cast iron water main on Hillsboro Street from Rowan Street to Cumberland Street. The existing water main is approximately five (5) feet off of the existing Norfolk Southern Railway tracks. Failure of this main could cause significant damage to Norfolk Southern's infrastructure. The existing water main is unlined and needs to be replaced in a new location to facilitate operations and maintenance. Engineering is expected to begin in FY23 with construction in FY25.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	10,000	10,000	-	-	-	20,000
Engineering	-	100,000	10,000	40,000	-	-	150,000
Construction	-	-	200,000	650,000	-	-	850,000
Equipment	-	-	-	-	-	-	-
Personnel	-	5,000	5,000	5,000	-	-	15,000
Other	-	-	-	-	-	-	-
Total	-	115,000	225,000	695,000	-	-	1,035,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							1,035,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	115,000	225,000	695,000	-	-	1,035,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	115,000	225,000	695,000	-	-	1,035,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement X
PROJECT TITLE			High X	Expansion
Yadkin Road Water Main Replacement			Medium	New
			Low	Renovation
BID DATE	2/15/2024			
START CONSTRUCTION DATE	7/15/2024			
EXPECTED COMPLETION DATE	6/30/2025			
			BUDGET CODE	
			CPR1000494	

PROJECT DESCRIPTION & JUSTIFICATION

This project will replace approximately 9,000 linear feet of 4-inch and 6-inch asbestos-cement (AC) water mains within Yadkin Road, from Lake Valley Road to Fillyaw Road. The existing water mains are within the pavement of Yadkin Road, and are approximately 60 years old. Additionally, they are undersized and pose potential capacity issues for future development within the Yadkin Road corridor. Failure of these water mains would result in significant construction and social costs. It is anticipated that design will start in FY2024, with construction starting in FY2025.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	500,000	500,000	-	-	1,000,000
Construction	-	-	-	4,600,000	-	-	4,600,000
Equipment	-	-	-	-	-	-	-
Personnel	-	10,000	20,000	30,000	-	-	60,000
Other	-	-	-	-	-	-	-
Total	-	10,000	520,000	5,130,000	-	-	5,660,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							5,660,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	10,000	520,000	5,130,000	-	-	5,660,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	10,000	520,000	5,130,000	-	-	5,660,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

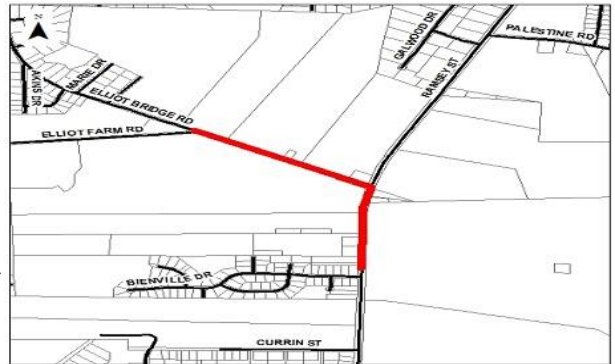
High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement
PROJECT TITLE			High	Expansion
US HWY 401 North - Elevated Water Tank (Contract 3)			Medium	New
			Low	Renovation
BID DATE	3/15/2022			
START CONSTRUCTION DATE	6/13/2022			
EXPECTED COMPLETION DATE	7/30/2023			
			BUDGET CODE	
			CPR1000429	

PROJECT DESCRIPTION & JUSTIFICATION

This project will construct water system improvements along the HWY 401 North corridor in Cumberland County beginning at the termination point of the existing 16-inch transmission main near the intersection of Ramsey Street and Bienville Drive and extending north to the intersection and then west along Elliot Bridge Road. The project will include 10,000 feet of water main improvements (Contract 1 - CPR1000323), a booster pump station (Contract 2 - CPR1000428) and an elevated tank (Contract 3). All these elements are required for a new boosted pressure zone to serve anticipated development. The schedule for the Contract 3 project to construct the elevated tank is subject to the pace of development in this new service area. It is anticipated that bids for tank construction will be received in FY22 with construction completing in FY23.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	15,000	-	50,000	10,000	-	-	75,000
Construction	-	-	5,300,000	-	-	-	5,300,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	20,000	3,000	-	-	23,000
Other	-	-	-	-	-	-	-
Total	15,000	-	5,370,000	13,000	-	-	5,398,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							283,000
<i>FY2021 Estimate</i>							-
Total							5,681,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	15,000	-	-	-	-	-	15,000
Bonds	-	-	5,370,000	13,000	-	-	5,383,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	15,000	-	5,370,000	13,000	-	-	5,398,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	(2,500)	(2,500)	(125,000)	(130,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	(2,500)	(2,500)	(125,000)	(130,000)

*Priority Score:

High Med Low

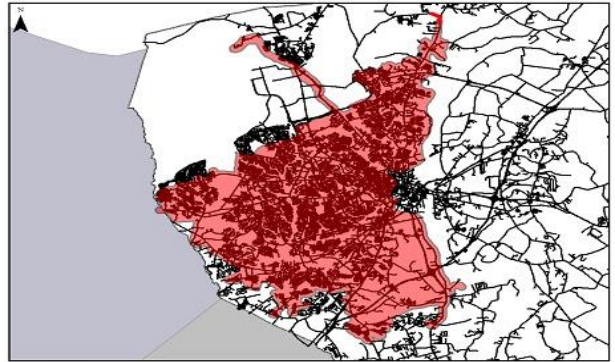
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Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement
PROJECT TITLE			High	Expansion
High Pressure Zone Transmission Water Main Improvements			Medium	New
			Low	Renovation
BID DATE	10/15/2023			
START CONSTRUCTION DATE	1/13/2024			
EXPECTED COMPLETION DATE	5/7/2025			
			BUDGET CODE	
			CPR1000406	

PROJECT DESCRIPTION & JUSTIFICATION

This project will improve the transmission system in the High Pressure Zone. The work includes 11,500 feet of new 30-inch water main beginning at the Wilson Street elevated tank and continuing along Woodrow Street, Morganton Road, John Street, Rush Road, Mirror Lake Drive, Westview Drive, Westhaven Drive and continue cross country to Fairfield Road ending at the proposed 30-inch main along Raeford Road. This project will improve system pressures during peak demand periods and aid in the turnover of the Wilson Street elevated tank.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	100,000	250,000	-	-	-	-	350,000
Engineering	233,000	250,000	240,000	213,000	-	-	936,000
Construction	-	-	3,000,000	2,660,000	-	-	5,660,000
Equipment	-	-	-	-	-	-	-
Personnel	15,000	15,000	15,000	15,000	-	-	60,000
Other	-	-	-	-	-	-	-
Total	348,000	515,000	3,255,000	2,888,000	-	-	7,006,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							100,000
Total							7,106,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	348,000	-	-	-	-	-	348,000
Bonds	-	515,000	3,255,000	2,888,000	-	-	6,658,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	348,000	515,000	3,255,000	2,888,000	-	-	7,006,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

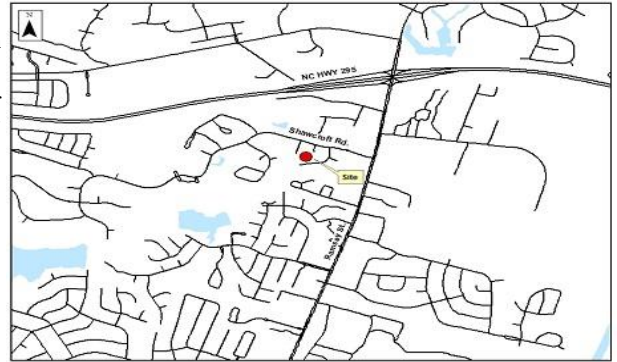
High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	331000	Water Distribution System	Score	Replacement
PROJECT TITLE			High	Expansion
Kings Grant Water Main Looping			Medium	New
			Low	Renovation
BID DATE	2/1/2028			
START CONSTRUCTION DATE	6/1/2028			
EXPECTED COMPLETION DATE	2/1/2029			
			BUDGET CODE	
			CPR1000445	

PROJECT DESCRIPTION & JUSTIFICATION

This project would install approximately 2,500 LF of new 8-inch water mains in order to eliminate several dead-end mains within the Kings Grant subdivision. Elimination of the dead-ends will increase fire flows, reduce taste and odor complaints and enhance system reliability. Design is expected to start in FY2027 and construction should start in FY2028.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	100,000	100,000
Engineering	-	-	-	-	-	125,000	125,000
Construction	-	-	-	-	-	625,000	625,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	15,000	15,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	865,000	865,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							865,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	865,000	865,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	865,000	865,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

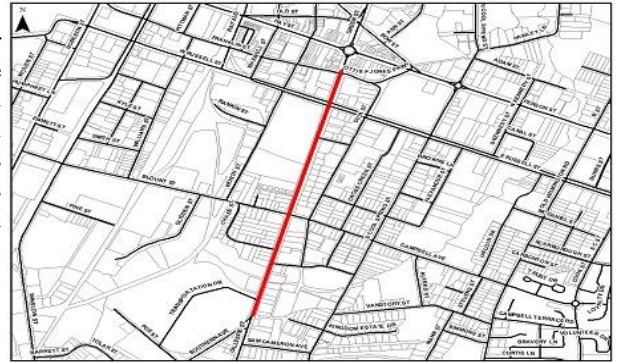
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Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
Gillespie Street Water Main Replacement			Medium X	New
			Low	Renovation X
BID DATE	10/15/2026		BUDGET CODE	
START CONSTRUCTION DATE	2/1/2027		CPR1000388	
EXPECTED COMPLETION DATE	9/30/2027			

PROJECT DESCRIPTION & JUSTIFICATION

The project will replace approximately 8,000 LF of 6-inch and 8-inch water mains on Gillespie Street between Franklin Street and Southern Avenue. These mains were installed in the late 1940's and recent pipe coupons have indicated that they are unlined and losing wall thickness to tuberculation. Their condition makes them unsuitable for lining. Replacement is expected to be via a trenchless technology to minimize disruption and expedite construction. Engineering is expected to start in FY2025, and the project is expected to be completed in FY2028.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	150,000	250,000	170,000	570,000
Construction	-	-	-	-	-	2,800,000	2,800,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	10,000	10,000	15,000	35,000
Other	-	-	-	-	-	-	-
Total	-	-	-	160,000	260,000	2,985,000	3,405,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							3,405,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	160,000	260,000	2,985,000	3,405,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	160,000	260,000	2,985,000	3,405,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

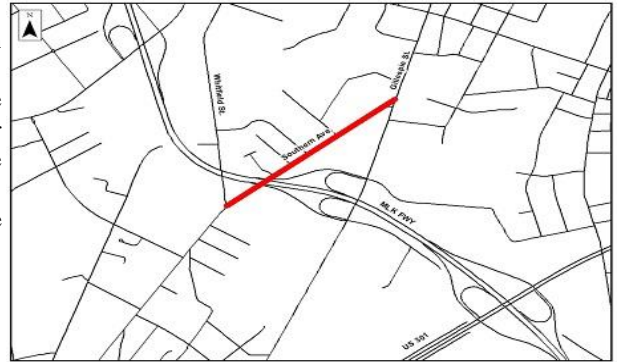
High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
Southern Avenue Water Main Replacement, Camden to Gillespie - Phase I			Medium X	New
			Low	Renovation
BID DATE	10/15/2027			
START CONSTRUCTION DATE	2/1/2028			
EXPECTED COMPLETION DATE	12/30/2028			
			BUDGET CODE	
			CPR1000382	

PROJECT DESCRIPTION & JUSTIFICATION

The project will replace approximately 8,000 LF of 6-inch and 8-inch cast iron water mains on Southern Avenue between Gillespie Street and Whitfield Street. These mains were installed in the late 1940's and recent pipe coupons have indicated that they are unlined and losing wall thickness to tuberculation. Their condition makes them unsuitable for lining. Replacement will include the installation of parallel mains, as needed, to eliminate the need for long services. Engineering is expected to start in FY2026, and the project is expected to be completed in FY2029.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	150,000	300,000	450,000
Construction	-	-	-	-	-	2,300,000	2,300,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	5,000	25,000	30,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	155,000	2,625,000	2,780,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							2,780,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	155,000	2,625,000	2,780,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	155,000	2,625,000	2,780,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

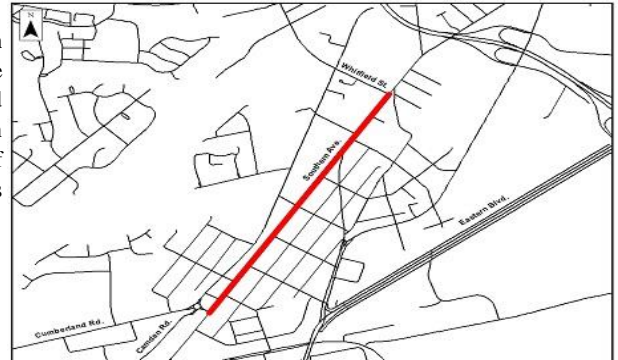
High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	331000	Water Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
Southern Avenue Water Main Replacement, Camden to Gillespie - Phase II			Medium X	New
BID DATE			Low	Renovation
START CONSTRUCTION DATE			BUDGET CODE	
EXPECTED COMPLETION DATE			CPR1000383	

PROJECT DESCRIPTION & JUSTIFICATION

The project will replace approximately 10,000 LF of 6-inch and 8-inch cast iron water mains on Southern Ave. between Whitfield Street and Camden Rd. These mains were installed in the late 1940's and recent pipe coupons have indicated that they are unlined and losing wall thickness to tuberculation. Their condition makes them unsuitable for lining. Replacement will include the installation of parallel mains, as needed, to eliminate the need for long services. Engineering is expected to start in FY27, and the project is expected to be completed in FY30.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	500,000	500,000
Construction	-	-	-	-	-	2,500,000	2,500,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	30,000	30,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	3,030,000	3,030,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							3,030,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	3,030,000	3,030,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	3,030,000	3,030,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

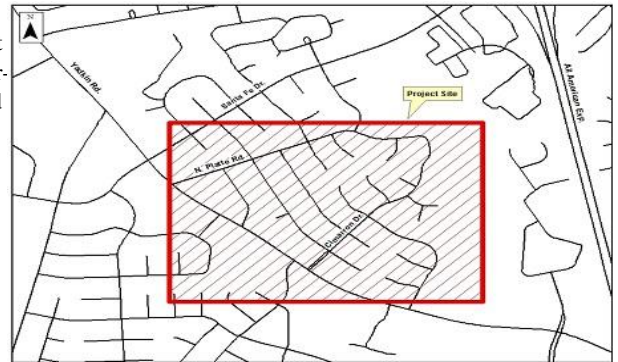
WS 20

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement X
PROJECT TITLE			High X	Expansion
Lagrange Subdivision Water Main Replacement			Medium	New
			Low	Renovation
BID DATE	3/15/2029			
START CONSTRUCTION DATE	8/15/2029			
EXPECTED COMPLETION DATE	6/30/2031			
			BUDGET CODE	
			CPR1000493	

PROJECT DESCRIPTION & JUSTIFICATION

This project will replace approximately 29,000 linear feet of asbestos-cement (AC) water mains within the Lagrange subdivision. These water mains are undersized and there have been several breaks within this subdivision. It is anticipated that design will start in FY2028, with construction starting in FY2030.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	60,000	60,000
Engineering	-	-	-	-	-	1,175,000	1,175,000
Construction	-	-	-	-	-	5,800,000	5,800,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	90,000	90,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	7,125,000	7,125,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							7,125,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	7,125,000	7,125,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	7,125,000	7,125,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

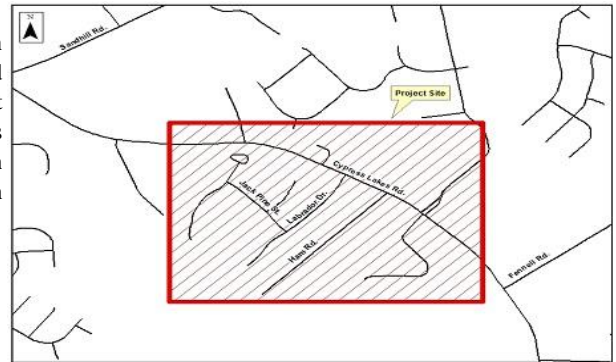
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Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
Cypress Lakes Water Main Reinforcement - Phase 1			Medium X	New
			Low	Renovation
BID DATE	11/15/2025		BUDGET CODE	
START CONSTRUCTION DATE	4/15/2026		CPR1000491	
EXPECTED COMPLETION DATE	4/15/2027			

PROJECT DESCRIPTION & JUSTIFICATION

This project will replace approximately 21,500 linear feet of 4-inch and 6-inch water mains within the Cypress Lakes area. PWC purchased this system, and many of the water mains are undersized and do not meet PWC's current requirements. Additionally, the size of the mains negatively impacts fire flows and the ability to expand the system. Further, there have been several main breaks in this area. It is anticipated that design will start in FY2025, with construction starting in FY2026.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	50,000	-	-	50,000
Engineering	-	-	-	600,000	75,000	190,000	865,000
Construction	-	-	-	-	500,000	3,800,000	4,300,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	10,000	20,000	20,000	30,000	80,000
Other	-	-	-	-	-	-	-
Total	-	-	10,000	670,000	595,000	4,020,000	5,295,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							5,295,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	10,000	670,000	595,000	4,020,000	5,295,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	10,000	670,000	595,000	4,020,000	5,295,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

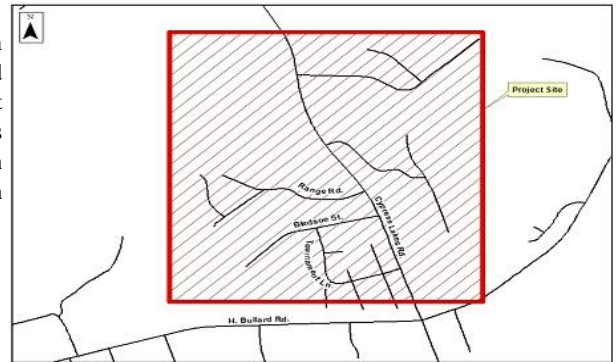
WS 22

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
Cypress Lakes Water Main Reinforcement - Phase 2			Medium X	New
			Low	Renovation
BID DATE	11/15/2026		BUDGET CODE	
START CONSTRUCTION DATE	4/15/2027		CPR1000492	
EXPECTED COMPLETION DATE	4/15/2028			

PROJECT DESCRIPTION & JUSTIFICATION

This project will replace approximately 22,500 linear feet of 4-inch and 6-inch water mains within the Cypress Lakes area. PWC purchased this system, and many of the water mains are undersized and do not meet PWC's current requirements. Additionally, the size of the mains negatively impacts fire flows and the ability to expand the system. Further, there have been several main breaks in this area. It is anticipated that design will start in FY2026, with construction starting in FY2027.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	50,000	-	50,000
Engineering	-	-	-	-	600,000	300,000	900,000
Construction	-	-	-	-	-	4,500,000	4,500,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	10,000	20,000	40,000	70,000
Other	-	-	-	-	-	-	-
Total	-	-	-	10,000	670,000	4,840,000	5,520,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							5,520,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	10,000	670,000	4,840,000	5,520,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	10,000	670,000	4,840,000	5,520,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 23

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 323000		PO Hoffer WTP	Score	Replacement
PROJECT TITLE			High	Expansion
PO Hoffer WTF Capacity Expansion, Phase 2			Medium	New
			Low	Renovation
BID DATE	5/15/2025			
START CONSTRUCTION DATE	10/12/2025			
EXPECTED COMPLETION DATE	3/30/2028			
			BUDGET CODE	
			CPR1000231	

PROJECT DESCRIPTION & JUSTIFICATION

The total combined system treatment capacity of the PO Hoffer WTP and the Glenville Lake WTP is 50 MGD. The annual peak-day demand is approaching 80% of that system total which is the typical benchmark point for initiating design of additional capacity. Phases 1A and 1B, expansion to the POHWTP, focused on reliability and did not add treatment capacity. Design Phase 2, expansion of the liquids process infrastructure, was completed in FY19. System demand has not increased according to previous projections; therefore, the target bid date for the Phase 2 - Expansion has been deferred to 2025.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	50,000	500,000	1,600,000	2,150,000
Construction	-	-	-	-	10,000,000	27,430,000	37,430,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	10,000	10,000	75,000	95,000
Other	-	-	-	-	-	-	-
Total	-	-	-	60,000	10,510,000	29,105,000	39,675,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							2,854,000
<i>FY2021 Estimate</i>							(0)
Total							42,529,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	60,000	-	-	60,000
Bonds	-	-	-	-	10,510,000	29,105,000	39,615,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	60,000	10,510,000	29,105,000	39,675,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	(250,000)	(250,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	(250,000)	(250,000)

*Priority Score:

High Med Low

WS 24

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 323000		PO Hoffer WTP	Score	Replacement
PROJECT TITLE			High	Expansion
PO Hoffer WTP Capacity Expansion, Phase 3 – Residuals Facilities			Medium	New
Expansion			Low	Renovation
BID DATE		4/1/2023		
START CONSTRUCTION DATE		8/1/2023		
EXPECTED COMPLETION DATE		1/22/2025		
			BUDGET CODE	
			CPR1000232	

PROJECT DESCRIPTION & JUSTIFICATION

The total combined system treatment capacity of the PO Hoffer WTP and the Glenville Lake WTP is 50 MGD. The annual peak-day demand is approaching 80% of that system total which is the typical benchmark point for initiating design of additional capacity. Phases 1A and 1B that focused on reliability and did not add treatment capacity are complete. The Design of the Phase 2 project addressing expansion of the liquids process infrastructure was completed in FY19. System demand has not increased as anticipated hence bidding of the Phase 2 project has been deferred. Design of the Phase 3 project for the residuals handling facilities commenced in FY20. Phase 3 project construction will be in advance of the Phase 2 liquids treatment expansion with construction to begin in FY24.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	500,000	600,000	500,000	400,000	-	-	2,000,000
Construction	-	-	8,000,000	7,000,000	-	-	15,000,000
Equipment	-	-	-	-	-	-	-
Personnel	5,000	5,000	15,000	30,000	-	-	55,000
Other	-	-	-	-	-	-	-
Total	505,000	605,000	8,515,000	7,430,000	-	-	17,055,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							61,000
<i>FY2021 Estimate</i>							199,000
Total							17,315,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	505,000	-	-	-	-	-	505,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	605,000	8,515,000	7,430,000	-	-	16,550,000
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	505,000	605,000	8,515,000	7,430,000	-	-	17,055,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	(25,000)	(125,000)	(150,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	(25,000)	(125,000)	(150,000)

*Priority Score:

High Med Low

WS 25

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 323000		PO Hoffer WTP	Score	Replacement X
PROJECT TITLE			High X	Expansion
Replace Standby Power Generator at the PO Hoffer WTP			Medium	New
			Low	Renovation
BID DATE	10/15/2022			
START CONSTRUCTION DATE	12/14/2022			
EXPECTED COMPLETION DATE	6/12/2023			
			BUDGET CODE	
			CPR1000456	

PROJECT DESCRIPTION & JUSTIFICATION

The existing standby power generator at the PO Hoffer WTP, installed circa 2000, is reaching the end of its useful life. This project will replace that equipment with a new standby power generator and switchgear complete with Tier 4 engines that will allow for "peak shaving" operation. Engineering for preparation of "design / build" construction documents for soliciting bids and project construction will be completed in FY23.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	150,000	-	-	-	-	150,000
Construction	-	-	-	-	-	-	-
Equipment	-	2,460,000	-	-	-	-	2,460,000
Personnel	-	20,000	-	-	-	-	20,000
Other	-	-	-	-	-	-	-
Total	-	2,630,000	-	-	-	-	2,630,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							2,630,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	2,630,000	-	-	-	-	2,630,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	2,630,000	-	-	-	-	2,630,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	(7,500)	(7,500)	(7,500)	(37,500)	(60,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	(7,500)	(7,500)	(7,500)	(37,500)	(60,000)

*Priority Score:

High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 323000		PO Hoffer WTP	Score	Replacement
PROJECT TITLE			High	Expansion
PO Hoffer WTP / Glenville Lake WTP Reliability Improvements			Medium	New
			Low	Renovation
BID DATE	2/15/2022			
START CONSTRUCTION DATE	5/16/2022			
EXPECTED COMPLETION DATE	5/5/2024			
			BUDGET CODE	
			CPR1000458	

PROJECT DESCRIPTION & JUSTIFICATION

Design of the POHWTP Phase 2 - Expansion project that addressed the liquids process infrastructure was completed in FY19. System demand has not increased according to previous projections; therefore, the target bid date for Phase 2 - Expansion has been deferred to 2025. This "Reliability" project will address components of the Phase 2 design not associated with treatment expansion that are critical from the standpoint of operational reliability and should not be deferred. The scope of work will also address similar upgrades at Glenville Lake WTP to include chemical feed and filter control improvements. The project was submitted for DWSRF Loan funding in FY20. A "Letter of Intent to Fund" the project was received in August 2020. Bidding of the project is anticipated in early 2022 with construction to follow in FY23 and FY24.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	50,000	300,000	227,000	-	-	-	577,000
Construction	100,000	5,000,000	4,619,000	-	-	-	9,719,000
Equipment	-	-	-	-	-	-	-
Personnel	20,000	30,000	30,000	-	-	-	80,000
Other	-	-	-	-	-	-	-
Total	170,000	5,330,000	4,876,000	-	-	-	10,376,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							65,000
<i>FY2021 Estimate</i>							166,000
Total							10,607,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	170,000	5,330,000	4,876,000	-	-	-	10,376,000
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	170,000	5,330,000	4,876,000	-	-	-	10,376,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 27

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 312000		Glenville WTP	Score	Replacement X
PROJECT TITLE			High X	Expansion
Kornbow Lake Dam Spillway Replacement			Medium	New
			Low	Renovation
BID DATE	11/30/2021			
START CONSTRUCTION DATE	5/1/2022			
EXPECTED COMPLETION DATE	12/30/2022			
			BUDGET CODE	
			CPR1000483	

PROJECT DESCRIPTION & JUSTIFICATION

Kornbow Lake is one of the four dams that are a component of the water supply system. The concrete chute spillway at this dam has required repeated repairs over the last several years. The spillway is in need of further repairs and has developed additional issues that require immediate attention. Due to the importance of the dam and the need to maintain its long-term integrity, it has been decided to replace the existing spillway with and new properly designed and constructed concrete chute spillway. This will ensure the long-term integrity of the dam thus protecting this valuable water supply source.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	200,000	210,000	-	-	-	-	410,000
Construction	600,000	700,000	-	-	-	-	1,300,000
Equipment	-	-	-	-	-	-	-
Personnel	9,000	6,000	-	-	-	-	15,000
Other	60,000	75,000	-	-	-	-	135,000
Total	869,000	991,000	-	-	-	-	1,860,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							215,000
Total							2,075,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	869,000	991,000	-	-	-	-	1,860,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	869,000	991,000	-	-	-	-	1,860,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 28

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	331000	Water Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion X
Utility Improvements for City of Fayetteville Storm Drainage			Medium X	New X
Improvements - Water			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000096	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

The City of Fayetteville is planning various storm drainage improvement projects throughout the City during the upcoming years. These projects will impact areas containing PWC water utilities. PWC staff and City staff coordinate the planning and design of these projects and work to avoid conflicts where possible. Where these conflicts are unavoidable, the City incorporates the necessary utility adjustments into their contracts and the associated costs are paid by PWC. There are situations where PWC determines that, due to aging infrastructure or operational issues, utility improvements are necessary. These improvements are the financial responsibility of PWC as well. See WS 96 - CPR1000141 for the sewer portion of this project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	30,000	30,000	30,000	30,000	30,000	150,000	300,000
Construction	200,000	200,000	200,000	200,000	200,000	1,000,000	2,000,000
Equipment	-	-	-	-	-	-	-
Personnel	50,000	50,000	50,000	50,000	50,000	250,000	500,000
Other	-	-	-	-	-	-	-
Total	280,000	280,000	280,000	280,000	280,000	1,400,000	2,800,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							182,000
<i>FY2021 Estimate</i>							215,000
Total							3,197,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	280,000	280,000	280,000	280,000	280,000	1,400,000	2,800,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	280,000	280,000	280,000	280,000	280,000	1,400,000	2,800,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

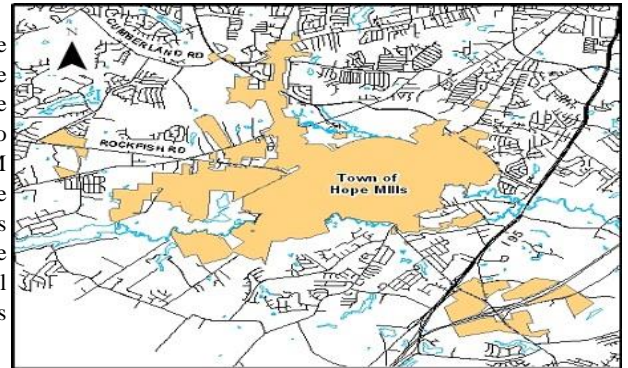
WS 29

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
Utility Improvements for the Town of Hope Mills Stormwater			Medium X	New
Projects - Water			Low	Renovation X
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000105	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

The Town of Hope Mills (TOHM) is planning various storm drainage improvements throughout PWC's service area in the upcoming years. These projects will impact areas containing PWC water utilities. PWC staff and the TOHM staff coordinate the planning and design of these projects and work to avoid conflicts where possible. Where conflicts are unavoidable, the TOHM incorporates the necessary utility adjustments into their contracts and the associated costs are paid by the TOHM. In situations where PWC determines that, due to aging infrastructure or operational issues, utility improvements are necessary, PWC pays the cost. These improvements are the financial responsibility of PWC. See WS 97 - CPR1000155 for the sewer portion of this project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	20,000	20,000	20,000	20,000	20,000	100,000	200,000
Equipment	-	-	-	-	-	-	-
Personnel	5,000	5,000	5,000	5,000	5,000	25,000	50,000
Other	-	-	-	-	-	-	-
Total	25,000	25,000	25,000	25,000	25,000	125,000	250,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							101,000
<i>FY2021 Estimate</i>							2,000
Total							353,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	25,000	25,000	25,000	25,000	25,000	125,000	250,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	25,000	25,000	25,000	25,000	25,000	125,000	250,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 30

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
Utility Improvements for NCDOT Resurfacing and Stormwater			Medium X	New
			Low	Renovation X
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000104	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

The NCDOT is planning various storm drainage and road improvements throughout PWC's service area in the upcoming years. These projects will impact areas with PWC water utilities. PWC and NCDOT staff coordinate the planning and design of these projects and work to avoid conflicts where possible. Where conflicts are unavoidable, NCDOT incorporates the necessary utility adjustments into their contracts. See WS 98 - CPR1000154 for the sewer portion of this project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	20,000	20,000	20,000	20,000	20,000	100,000	200,000
Equipment	-	-	-	-	-	-	-
Personnel	5,000	5,000	5,000	5,000	5,000	25,000	50,000
Other	-	-	-	-	-	-	-
Total	25,000	25,000	25,000	25,000	25,000	125,000	250,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							7,000
<i>FY2021 Estimate</i>							5,000
Total							262,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	25,000	25,000	25,000	25,000	25,000	125,000	250,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	25,000	25,000	25,000	25,000	25,000	125,000	250,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

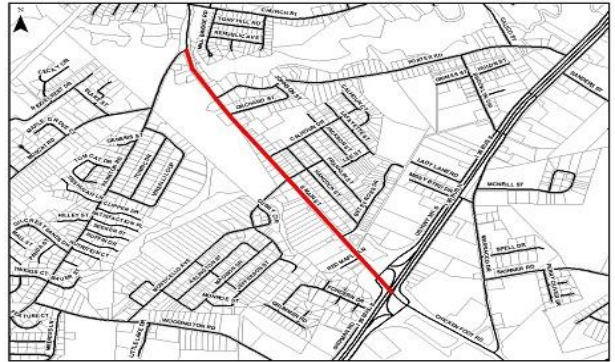
WS 31

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	331000	Water Distribution System	Score	Replacement
PROJECT TITLE			High	Expansion
			Medium	New
			Low	Renovation
BID DATE	6/15/2022			
START CONSTRUCTION DATE	10/15/2022			
EXPECTED COMPLETION DATE	6/15/2024			
			BUDGET CODE	
			CPR1000437	

PROJECT DESCRIPTION & JUSTIFICATION

This project will install approximately 10,000 linear feet of new 16-inch water main in conjunction with the NCDOT roadway improvements for NC 59 (South Main Street), between Parkton Road and US 301. Extension of the new water main is necessary to provide additional supply to the Town of Hope Mills, as well as future development in this area. Construction of the NCDOT project has been moved to FY2040. NCDOT anticipates starting ROW acquisition in FY2028. This project also includes the installation of approximately 9,000 linear feet of water mains outside the NCDOT project limits, in order to connect to PWC's existing system. Design for these water main extensions is underway, and construction is anticipated to start in FY2023.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	20,000	-	-	-	-	20,000	40,000
Engineering	70,000	90,000	85,000	-	-	200,000	445,000
Construction	-	1,040,000	1,300,000	-	-	-	2,340,000
Equipment	-	-	-	-	-	-	-
Personnel	15,000	10,000	10,000	-	-	30,000	65,000
Other	-	-	-	-	-	-	-
Total	105,000	1,140,000	1,395,000	-	-	250,000	2,890,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							67,000
<i>FY2021 Estimate</i>							230,000
Total							3,187,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	105,000	1,140,000	1,395,000	-	-	250,000	2,890,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	105,000	1,140,000	1,395,000	-	-	250,000	2,890,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

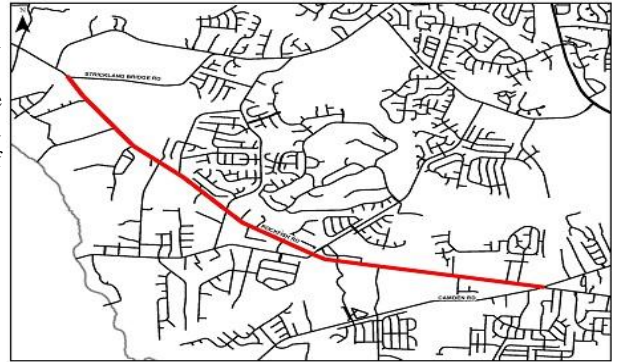
WS 32

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	331000	Water Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
NCDOT U-6072A SR1112 (Rockfish Rd) from Strickland Bridge Rd. to Camden Rd. (Water)			Medium X	New
BID DATE			Low	Renovation
START CONSTRUCTION DATE			BUDGET CODE	
EXPECTED COMPLETION DATE			CPR1000371	

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to widen Rockfish Road from Strickland Bridge Road to Camden Road. There are various water and sewer mains throughout the project corridor. These lines may be in conflict with NCDOT's proposed facilities and may be relocated. NCDOT plans to go to ROW in FY28 and start construction beyond the current TIP schedule. See WS 106 - CPR1000379 for the sewer portion of this NCDOT project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	380,000	380,000
Engineering	-	-	-	-	-	251,000	251,000
Construction	-	-	-	-	-	-	-
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	30,000	30,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	661,000	661,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							661,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	661,000	661,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	661,000	661,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 33

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	331000	Water Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
NCDOT U-6073 Fisher Rd. from Strickland Bridge Rd. to NC162			Medium	New
Bingham Dr. (Water)			Low	Renovation
BID DATE		10/20/2027	BUDGET CODE	
START CONSTRUCTION DATE		12/17/2027	CPR1000372	
EXPECTED COMPLETION DATE		6/30/2029		

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to widen Fisher Road from Strickland Bridge Road to NC 162. There are various water and sewer mains throughout the project corridor. These lines may be in conflict with NCDOT's proposed facilities and may be relocated. NCDOT plans to go to ROW in FY25 and start construction in FY28. See WS 99 – CPR 1000380 for the sewer portion of this NCDOT project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	677,000	450,000	-	1,127,000
Engineering	-	-	422,000	264,000	222,000	147,000	1,055,000
Construction	-	-	-	-	-	7,032,000	7,032,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	15,000	15,000	10,000	45,000	85,000
Other	-	-	-	-	-	-	-
Total	-	-	437,000	956,000	682,000	7,224,000	9,299,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							9,299,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	437,000	956,000	682,000	192,000	2,267,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	7,032,000	7,032,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	437,000	956,000	682,000	7,224,000	9,299,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement X
PROJECT TITLE			High X	Expansion
NCDOT U-4405 Raeford Rd Median Improv, Hampton Oaks Drive to Fairway Drive			Medium	New
BID DATE	10/15/2021		Low	Renovation X
START CONSTRUCTION DATE	12/15/2021		BUDGET CODE	
EXPECTED COMPLETION DATE	11/15/2028		CPR1000267	

PROJECT DESCRIPTION & JUSTIFICATION

This project will relocate water mains as necessary to eliminate conflicts with the proposed NCDOT roadway construction. The new roadway work will be from Hampton Oaks Drive to Fairway Drive along Raeford Road. Construction of the utility improvements will be included in the NCDOT construction contracts. NCDOT has decided to separate the project into three (3) phases. Reimbursement for this work to NCDOT will be made at the end of the individual phases. Completion of Phase 3 is anticipated to be in FY2029. See WS 107 - CPR1000268 for the sewer portion of this project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	50,000	-	-	-	-	-	50,000
Engineering	110,000	345,000	310,000	325,000	300,000	395,000	1,785,000
Construction	-	-	2,500,000	-	4,900,000	6,600,000	14,000,000
Equipment	-	-	-	-	-	-	-
Personnel	40,000	50,000	70,000	70,000	60,000	80,000	370,000
Other	-	-	-	-	-	-	-
Total	200,000	395,000	2,880,000	395,000	5,260,000	7,075,000	16,205,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							1,866,000
<i>FY2021 Estimate</i>							360,000
Total							18,431,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	200,000	395,000	380,000	395,000	360,000	475,000	2,205,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	2,500,000	-	4,900,000	6,600,000	14,000,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	200,000	395,000	2,880,000	395,000	5,260,000	7,075,000	16,205,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement X
PROJECT TITLE			High X	Expansion
NCDOT U-2519B A/BB Fayetteville Outer Loop from South of US 401 to South of Strickland Bridge Road (SR 1104) - Water			Medium	New X
BID DATE	11/17/2020		Low	Renovation
START CONSTRUCTION DATE	1/15/2021			
EXPECTED COMPLETION DATE	9/30/2023			
			BUDGET CODE	
			CPR1000348	

PROJECT DESCRIPTION & JUSTIFICATION

This project will relocate portions of existing 16" and 12" water mains in conflict with NCDOT's roadway improvements for the proposed Outer Loop where it intersects Century Circle, Strickland Bridge Road and Stoney Point Road. This project will include the extension of water mains to serve a portion of Phase V Annexation Area 32. Construction is expected to begin in FY21 and be completed in FY24. An agreement with NCDOT is not in place at this time. However billing is expected upon completion of all highway work and to be made in one final payment. Total construction cost is estimated at \$5,727,000. See WS 100 - CPR1000350 for the sewer portion of this project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	5,727,000	-	-	-	5,727,000
Equipment	-	-	-	-	-	-	-
Personnel	15,000	15,000	10,000	-	-	-	40,000
Other	-	-	-	-	-	-	-
Total	15,000	15,000	5,737,000	-	-	-	5,767,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							14,000
<i>FY2021 Estimate</i>							3,000
Total							5,784,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	15,000	15,000	10,000	-	-	-	40,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	5,150,000	-	-	-	5,150,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	577,000	-	-	-	577,000
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	15,000	15,000	5,737,000	-	-	-	5,767,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

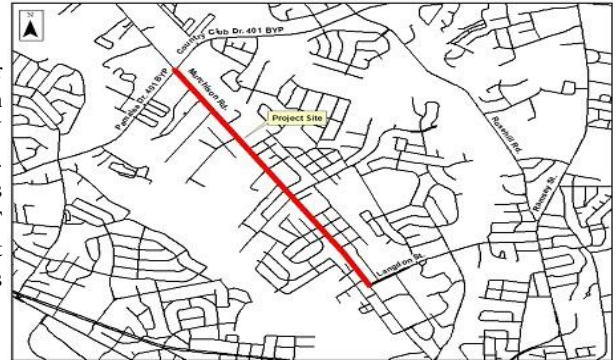
WS 36

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
NCDOT U-5015 Murchison Road (Langdon St to US 401) - Water			Medium X	New
			Low	Renovation
BID DATE	4/15/2030			
START CONSTRUCTION DATE	7/15/2030			
EXPECTED COMPLETION DATE	7/15/2033			
			BUDGET CODE	
			CPR1000495	

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to widen Murchison Road from Langdon Street to the US 401 Bypass. There is a 24" water main that serves Fort Bragg and various smaller diameter water mains in this corridor. These lines may be in conflict with NCDOT's proposed facilities and may be relocated. NCDOT plans to go to ROW in FY2029. The construction start date is anticipated to be FY2030 or beyond. PWC has estimated 50% of the water lines will be relocated as part of this project. Construction of the utility improvements will be included in the NCDOT construction contract. Reimbursement for this work to NCDOT will be made at the end of the project. See WS 101 - CPR1000496 for the sewer portion of this NCDOT project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	150,000	150,000
Construction	-	-	-	-	-	-	-
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	10,000	30,000	40,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	10,000	180,000	190,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							190,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	10,000	180,000	190,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	10,000	180,000	190,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

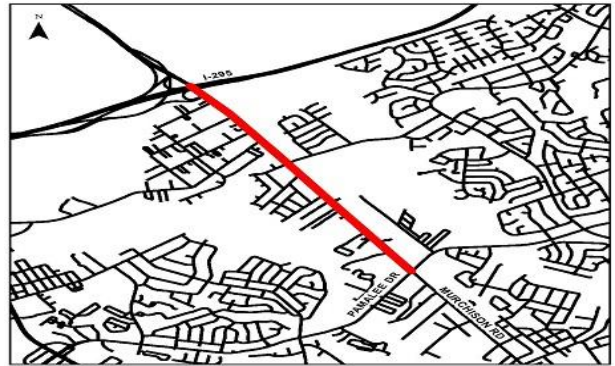
High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement X
PROJECT TITLE			High X	Expansion
NCDOT U-4900 Murchison Road Widening - Water			Medium	New
			Low	Renovation
BID DATE	5/21/2024			
START CONSTRUCTION DATE	7/21/2024			
EXPECTED COMPLETION DATE	7/21/2027			
			BUDGET CODE	
			CPR1000306	

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to widen Murchison Road from the I-295 Fayetteville Outer Loop to the US 401 Bypass. There is a 24" water main that serves Fort Bragg and various smaller diameter water mains in this corridor. These lines may be in conflict with NCDOT's proposed facilities and may be relocated. NCDOT plans to go to ROW in May 2022 and to start construction in year 2024. PWC has estimated 80% of the water lines will be relocated as part of this project. Construction of the utility improvements will be included in the NCDOT construction contract. Reimbursement for this work to NCDOT will be made at the end of the project. See WS 102 - CPR1000314 for the sewer portion of this NCDOT project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	50,000	50,000	-	-	-	100,000
Engineering	150,000	150,000	150,000	75,000	75,000	50,000	650,000
Construction	-	-	-	-	6,100,000	-	6,100,000
Equipment	-	-	-	-	-	-	-
Personnel	20,000	20,000	20,000	20,000	20,000	15,000	115,000
Other	-	-	-	-	-	-	-
Total	170,000	220,000	220,000	95,000	6,195,000	65,000	6,965,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							10,000
<i>FY2021 Estimate</i>							100,000
Total							7,075,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	170,000	220,000	220,000	95,000	95,000	65,000	865,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	6,100,000	-	6,100,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	170,000	220,000	220,000	95,000	6,195,000	65,000	6,965,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

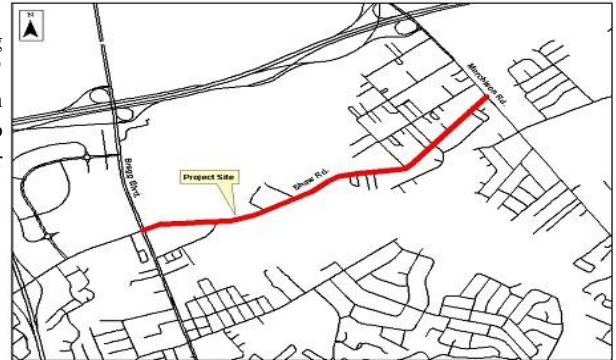
WS 38

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement X
PROJECT TITLE			High X	Expansion
NCDOT U-5101(A) Shaw Rd to Stacey Weaver Dr Widening - Water			Medium	New
			Low	Renovation
BID DATE	11/19/2024		BUDGET CODE	
START CONSTRUCTION DATE	2/19/2025		CPR1000307	
EXPECTED COMPLETION DATE	6/30/2026			

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to widen Shaw Road, Shaw Mill Road (SR1614) from Bragg Boulevard to Murchison Road. There is 16", 8" and 6" water mains and 8" gravity sewer throughout the project corridor. These lines may be in conflict with NCDOT's proposed facilities and may be relocated. NCDOT plans to go to ROW in FY22 and to start construction in 2025. See WS 103 - CPR1000315 for the sewer portion of this NCDOT project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	50,000	25,000	-	-	-	-	75,000
Engineering	100,000	50,000	25,000	50,000	25,000	-	250,000
Construction	-	-	-	-	350,000	-	350,000
Equipment	5,000	5,000	5,000	10,000	-	-	25,000
Personnel	20,000	20,000	30,000	10,000	10,000	-	90,000
Other	25,000	10,000	10,000	10,000	10,000	-	65,000
Total	200,000	110,000	70,000	80,000	395,000	-	855,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							855,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	200,000	110,000	70,000	80,000	45,000	-	505,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	350,000	-	350,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	200,000	110,000	70,000	80,000	395,000	-	855,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

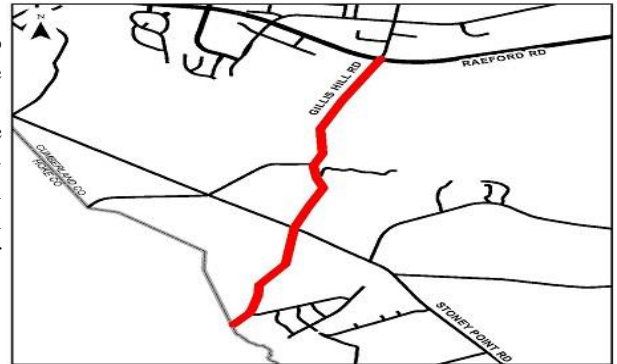
High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement X
PROJECT TITLE			High X	Expansion
NCDOT U-5798 A - Gillis Hill Rd Widening - Water			Medium	New
			Low	Renovation
BID DATE	3/15/2022		BUDGET CODE	
START CONSTRUCTION DATE	5/15/2022		CPR1000308	
EXPECTED COMPLETION DATE	5/15/2025			

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to widen Gillis Hill Road from US HWY 401 Raeford Road to Lindsey Road in Hoke County. There is a 16" water main serving the Hoke County Water Booster Pump Station and gravity sewer mains in this corridor. These lines may be in conflict with NCDOT's proposed facilities and may be relocated. NCDOT is proposing to replace the bridge and approximately 6,000-LF of road widening in the first phase of the project which includes the section from Raeford Road to Stoney Point Road. Scheduled let date is March 2022 with construction starting in FY2022. See WS 104 - CPR1000316 for the sewer portion of this project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	45,000	35,000	15,000	-	-	-	95,000
Construction	-	1,220,000	-	-	-	-	1,220,000
Equipment	-	-	-	-	-	-	-
Personnel	10,000	10,000	10,000	10,000	-	-	40,000
Other	-	-	-	-	-	-	-
Total	55,000	1,265,000	25,000	10,000	-	-	1,355,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							57,000
<i>FY2021 Estimate</i>							47,000
Total							1,459,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	55,000	45,000	25,000	10,000	-	-	135,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	1,220,000	-	-	-	-	1,220,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	55,000	1,265,000	25,000	10,000	-	-	1,355,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

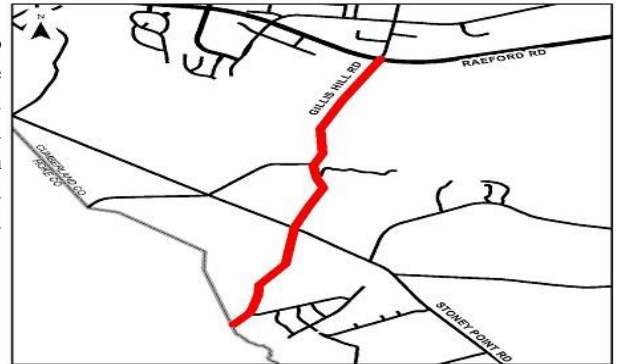
WS 40

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement X
PROJECT TITLE			High X	Expansion
NCDOT U-5798 B - Gillis Hill Road Widening - Water			Medium	New
			Low	Renovation
BID DATE	2/18/2025		BUDGET CODE	
START CONSTRUCTION DATE	5/18/2025		CPR1000478	
EXPECTED COMPLETION DATE	5/18/2028			

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to widen Gillis Hill Road from US HWY 401 Raeford Road to Lindsey Road in Hoke County. There is a 16" water main serving the Hoke County Water Booster Pump Station in this corridor. These lines may be in conflict with NCDOT's proposed facilities and may be relocated. The second phase (U-5798B) includes approximately 3,500 LF of road widening from Stoney Point Road to Lindsay Road. Scheduled let date is February 2025 and construction starts in FY2025. There is currently no PWC sewer in this second phase corridor.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	80,000	80,000	10,000	80,000	30,000	-	280,000
Construction	-	-	-	-	-	1,450,000	1,450,000
Equipment	-	-	-	-	-	-	-
Personnel	25,000	20,000	10,000	10,000	10,000	20,000	95,000
Other	-	-	-	-	-	-	-
Total	105,000	100,000	20,000	90,000	40,000	1,470,000	1,825,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							1,825,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	105,000	100,000	20,000	90,000	40,000	20,000	375,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	1,450,000	1,450,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	105,000	100,000	20,000	90,000	40,000	1,470,000	1,825,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

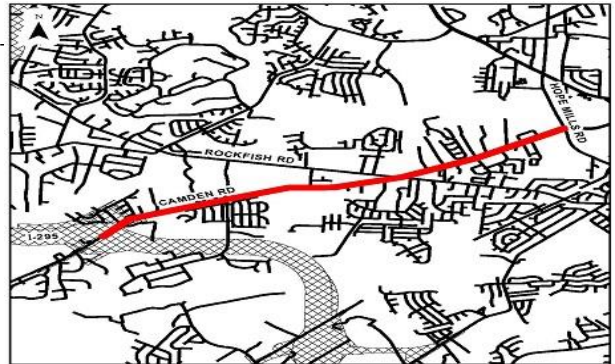
High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement X
PROJECT TITLE			High X	Expansion
NCDOT U-3422 Camden Rd Widening - Water			Medium	New
			Low	Renovation
BID DATE	10/17/2023			
START CONSTRUCTION DATE	1/15/2024			
EXPECTED COMPLETION DATE	1/15/2027			
			BUDGET CODE	
			CPR1000309	

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to widen Camden Road from NC59 Hope Mills Road to the new I-295 Fayetteville Outer Loop. There is a 16" water main, a 12" water main and some intermittent small diameter water/sewer mains in this corridor which will be in conflict with NCDOT's proposed facilities requiring relocation. Due to the extent of NCDOT's widening project, parallel water mains will need to be installed to service customers on both sides of Camden Road. NCDOT plans to go to ROW in August 2021 and start construction in FY2024. PWC has estimated 100% of the water and sewer lines will be relocated as part of this project. Construction will be included in the NCDOT construction contract. Reimbursement for this work to NCDOT will be made at the end of the project. See WS 105 - CPR1000317 for the sewer portion of this NCDOT project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	50,000	50,000	-	-	-	-	100,000
Engineering	150,000	150,000	150,000	225,000	225,000	75,000	975,000
Construction	-	-	-	-	14,000,000	-	14,000,000
Equipment	-	-	-	-	-	-	-
Personnel	10,000	20,000	10,000	20,000	20,000	20,000	100,000
Other	-	-	-	-	-	-	-
Total	210,000	220,000	160,000	245,000	14,245,000	95,000	15,175,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							115,000
<i>FY2021 Estimate</i>							30,000
Total							15,320,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	210,000	220,000	160,000	245,000	245,000	95,000	1,175,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	14,000,000	-	14,000,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	210,000	220,000	160,000	245,000	14,245,000	95,000	15,175,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

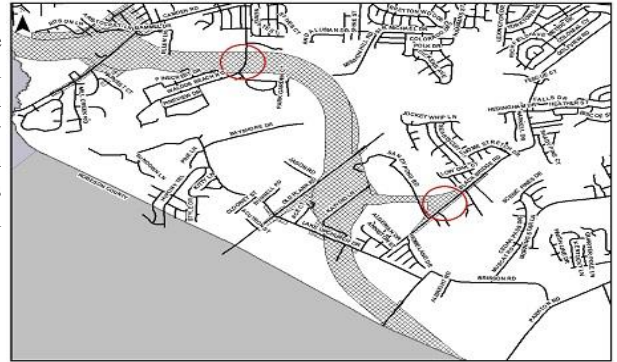
WS 42

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement X
PROJECT TITLE			High X	Expansion
NCDOT U-2519A A/AB - Fayetteville Outer Loop from South of SR 1003 (Camden Rd) to I-95S in Robeson County - Water			Medium	New X
BID DATE	11/21/2017		Low	Renovation
START CONSTRUCTION DATE	1/2/2018			
EXPECTED COMPLETION DATE	7/31/2021			
			BUDGET CODE	
			CPR1000400	

PROJECT DESCRIPTION & JUSTIFICATION

This project will extend an 8-inch water main off of Black's Bridge Road where the proposed Fayetteville Outer Loop corridor is cutting off access to several properties. There will also be a replacement of an existing 8-inch water main along Waldo's Beach Road where it is in conflict with the proposed roadway alignment. Construction began in FY18 and is expected to be completed in FY22. The UCA was signed on October 19, 2020 by PWC. The billing is expected upon completion of all highway work and to be made in one final payment. Total construction cost is estimated at \$581,000.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	87,000	-	-	-	-	-	87,000
Construction	581,000	-	-	-	-	-	581,000
Equipment	-	-	-	-	-	-	-
Personnel	15,000	-	-	-	-	-	15,000
Other	-	-	-	-	-	-	-
Total	683,000	-	-	-	-	-	683,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							7,000
<i>FY2021 Estimate</i>							16,000
Total							706,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	15,000	-	-	-	-	-	15,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	668,000	-	-	-	-	-	668,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	683,000	-	-	-	-	-	683,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

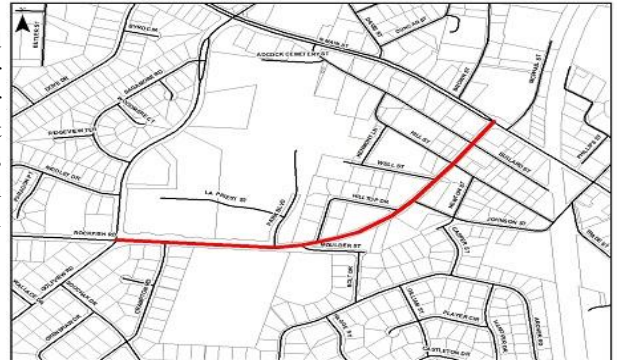
WS 43

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement X
PROJECT TITLE			High X	Expansion
NCDOT U-4709 Rockfish Road, Golfview Drive to NC 59 - Water			Medium	New X
			Low	Renovation
BID DATE	5/17/2022		BUDGET CODE	
START CONSTRUCTION DATE	7/17/2022		CPR1000399	
EXPECTED COMPLETION DATE	7/31/2025			

PROJECT DESCRIPTION & JUSTIFICATION

This project will relocate approximately 10,000 linear feet of existing 8-inch and 12-inch water mains in conflict with NCDOT's roadway improvements for Rockfish Road between Golfview Drive and NC 59. The existing 12-inch water main must be replaced as it is asbestos-cement (AC) pipe and NCDOT does not allow AC pipes under the road. Parallel mains will be installed. Construction is anticipated to begin in FY23 and be completed in FY26. An agreement with NCDOT is not in place at this time. However, billing is expected upon completion of all road work and is anticipated to be made in one final payment. See WS 108 - CPR1000398 for the sewer portion of this project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	60,000	15,000	15,000	15,000	5,000	-	110,000
Construction	-	-	-	3,000,000	-	-	3,000,000
Equipment	-	-	-	-	-	-	-
Personnel	5,000	10,000	10,000	5,000	5,000	-	35,000
Other	-	25,000	25,000	10,000	-	-	60,000
Total	65,000	50,000	50,000	3,030,000	10,000	-	3,205,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							30,000
<i>FY2021 Estimate</i>							30,000
Total							3,265,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	65,000	50,000	50,000	30,000	10,000	-	205,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	3,000,000	-	-	3,000,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	65,000	50,000	50,000	3,030,000	10,000	-	3,205,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 44

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	331000	Water Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
NCDOT U-4403(B) Ramsey Street Widening - Water			Medium	New
			Low	Renovation
BID DATE	12/15/2028		BUDGET CODE	
START CONSTRUCTION DATE	3/15/2029		CPR1000293	
EXPECTED COMPLETION DATE	3/15/2032			

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to widen Ramsey Street from Slocumb Road to Grove Street. This phase of the project is between US 401 Business (MLK Freeway) to US 401 Bypass. PWC has extensive water and sewer facilities in this corridor. These lines may be in conflict with NCDOT's proposed facilities and may be relocated. PWC has estimated that 80% of the water mains will need to be replaced. NCDOT plans to start ROW acquisition in FY2026, and it is anticipated that construction will start in FY2029. It is anticipated that NCDOT will bill PWC for the utility work upon completion of the project. See WS 109 - CPR1000312 for the sewer portion of this NCDOT project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	100,000	100,000	-	200,000
Engineering	50,000	50,000	250,000	250,000	150,000	875,000	1,625,000
Construction	-	-	-	-	-	4,500,000	4,500,000
Equipment	-	-	-	-	-	-	-
Personnel	10,000	10,000	20,000	20,000	20,000	100,000	180,000
Other	-	-	-	-	-	-	-
Total	60,000	60,000	270,000	370,000	270,000	5,475,000	6,505,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							25,000
<i>FY2021 Estimate</i>							9,000
Total							6,539,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	60,000	60,000	270,000	370,000	270,000	975,000	2,005,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	4,500,000	4,500,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	60,000	60,000	270,000	370,000	270,000	5,475,000	6,505,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 45

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
NCDOT U-4403(C) Ramsey Street Widening - Water			Medium X	New
			Low	Renovation
BID DATE	10/1/2028		BUDGET CODE	
START CONSTRUCTION DATE	1/15/2029		CPR1000485	
EXPECTED COMPLETION DATE	1/15/2032			

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to widen Ramsey Street from Slocumb Road to Grove Street. This phase of the project is from US 401 Bypass to Slocumb Road. NCDOT plans to go to ROW acquisition in FY2025, with an anticipated bid date in FY2029. PWC has estimated that 80% of the water mains will need to be replaced as a result of this project. Additionally, PWC plans to install transmission main improvements to serve the area north of Slocumb Road as part of this NCDOT project. See WS 110 - CPR1000487 for the Sewer portion of this NCDOT project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	100,000	100,000	-	-	-	200,000
Engineering	50,000	125,000	350,000	350,000	350,000	1,500,000	2,725,000
Construction	-	-	-	-	-	19,400,000	19,400,000
Equipment	-	-	-	-	-	-	-
Personnel	10,000	10,000	20,000	20,000	20,000	100,000	180,000
Other	-	-	-	-	-	-	-
Total	60,000	235,000	470,000	370,000	370,000	21,000,000	22,505,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							9,000
Total							22,514,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	60,000	235,000	470,000	370,000	370,000	1,600,000	3,105,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	19,400,000	19,400,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	60,000	235,000	470,000	370,000	370,000	21,000,000	22,505,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

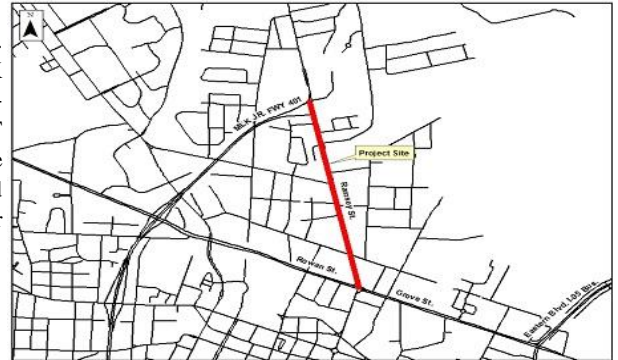
WS 46

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 331000		Water Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
NCDOT U-4403(A) Ramsey Street Widening - Water			Medium X	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000486	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to widen Ramsey Street from Slocumb Road to Grove Street. This phase of the project is from Grove Street to US 401 Business (MLK Freeway). This phase of the project is currently outside of NCDOT's current 10-year Transportation Improvement Program (TIP). It is anticipated that NCDOT will begin ROW acquisition in FY2031. PWC has estimated that 80% of the water mains will need to be replaced as a result of this project. The anticipated construction cost is \$1,600,000. See WS 111 - CPR1000488 for the sewer portion of this NCDOT project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	50,000	50,000
Construction	-	-	-	-	-	-	-
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	20,000	20,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	70,000	70,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							70,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	70,000	70,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	70,000	70,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 47

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	310000	Land and Land Rights	Score	Replacement
PROJECT TITLE			High	Expansion
Land and Land Rights - Sewer			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000124	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

This project includes the costs associated with the acquisition of land and land rights due to wastewater treatment and collection system projects. The need arises to purchase land and land rights for projects not associated with the Capital Improvement Plan.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	15,000	15,000	15,000	15,000	15,000	75,000	150,000
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	-	-
Other	5,000	5,000	5,000	5,000	5,000	25,000	50,000
Total	20,000	20,000	20,000	20,000	20,000	100,000	200,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							19,000
<i>FY2021 Estimate</i>							20,000
Total							239,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	20,000	20,000	20,000	20,000	20,000	100,000	200,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	20,000	20,000	20,000	20,000	20,000	100,000	200,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	(100)	(100)	(100)	(100)	(100)	(500)	(1,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	(100)	(100)	(100)	(100)	(100)	(500)	(1,000)

*Priority Score:

High Med Low

WS 48

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement
PROJECT TITLE			High	Expansion
			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000125	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

This project includes the installation of new sewer services and new main extensions by PWC and/or contractor forces to serve new customers. This project also includes the installation of parallel mains where needed. This project will add new customer base and provide system growth. An estimated 50 new customers will be added each year. Revenue is based on 50 new customers times the connection fee of \$6,994 and 50 customers times the average bill of \$36.70 times 12 months.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	60,000	63,000	66,000	69,000	72,000	378,000	708,000
Construction	260,000	273,000	287,000	301,000	316,000	1,659,000	3,096,000
Equipment	60,000	63,000	66,000	69,000	72,000	378,000	708,000
Personnel	100,000	105,000	110,000	116,000	122,000	641,000	1,194,000
Other	-	-	-	-	-	-	-
Total	480,000	504,000	529,000	555,000	582,000	3,056,000	5,706,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							409,000
<i>FY2021 Estimate</i>							480,000
Total							6,595,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	480,000	504,000	529,000	555,000	582,000	3,056,000	5,706,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	480,000	504,000	529,000	555,000	582,000	3,056,000	5,706,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	4,000	4,000	4,000	4,000	4,000	20,000	40,000
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	4,000	4,000	4,000	4,000	4,000	20,000	40,000

*Priority Score:

High Med Low

WS 49

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High X	Expansion
Sewer Lateral Renewals (PWC Forces)			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000126	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

This project will replace existing sewer laterals that have reached or exceeded their life expectancy and are not cost effective to repair. Renewing services defers or reduces operating maintenance costs and reduces inflow and infiltration into the collection system. This work is also coordinated with NCDOT and City Street Resurfacing and Streetscape projects to avoid cutting pavement in streets that have been recently resurfaced.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	400,000	410,000	420,000	430,000	440,000	2,265,000	4,365,000
Personnel	350,000	359,000	368,000	377,000	386,000	1,978,000	3,818,000
Other	-	-	-	-	-	-	-
Total	750,000	769,000	788,000	807,000	826,000	4,243,000	8,183,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							697,000
<i>FY2021 Estimate</i>							750,000
Total							9,630,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	750,000	769,000	788,000	807,000	826,000	4,243,000	8,183,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	750,000	769,000	788,000	807,000	826,000	4,243,000	8,183,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	1,000	1,000	1,000	1,000	1,000	5,000	10,000
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	1,000	1,000	1,000	1,000	1,000	5,000	10,000

*Priority Score:



WS 50

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 341500		Sanitary Sewer Collection	Score	Replacement
PROJECT TITLE			High	Expansion
Sanitary Sewer Manhole Rehabilitation			Medium	New
			Low	Renovation
BID DATE	9/1/2017			
START CONSTRUCTION DATE	11/13/2017			
EXPECTED COMPLETION DATE	6/30/2030			
			BUDGET CODE	
			CPR1000127	

PROJECT DESCRIPTION & JUSTIFICATION

This project will include labor and materials to rehabilitate deteriorated sanitary sewer manholes at various locations in the PWC collection system by contract. No new customers will be gained by this work. This work is needed to maintain the integrity of PWC's system. The budget will increase in order to rehabilitate or replace 1% of the system in accordance with the asset management plan.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	2,140,000	2,240,000	2,340,000	2,440,000	2,540,000	14,200,000	25,900,000
Equipment	-	-	-	-	-	-	-
Personnel	60,000	60,000	60,000	60,000	60,000	300,000	600,000
Other	-	-	-	-	-	-	-
Total	2,200,000	2,300,000	2,400,000	2,500,000	2,600,000	14,500,000	26,500,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							1,874,000
<i>FY2021 Estimate</i>							2,100,000
Total							30,474,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	2,200,000	2,300,000	2,400,000	2,500,000	2,600,000	14,500,000	26,500,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	2,200,000	2,300,000	2,400,000	2,500,000	2,600,000	14,500,000	26,500,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement
PROJECT TITLE			High	Expansion
Sanitary Sewer Main Rehabilitation			Medium	New
			Low	Renovation
BID DATE	10/6/2017			
START CONSTRUCTION DATE	1/15/2018			
EXPECTED COMPLETION DATE	6/30/2030			
			BUDGET CODE	
			CPR1000128	

PROJECT DESCRIPTION & JUSTIFICATION

This project will include labor and materials to rehabilitate deteriorated sanitary sewer mains of various sizes and locations in the PWC collection system by contract. No new customers will be gained by this work. This work is needed to maintain the integrity of PWC's system. Additionally, deteriorated sewer laterals will be replaced/rehabilitated as part of this effort. The budget will increase in order to rehabilitate or replace 1% of the system, in accordance with the asset management plan.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	5,100,000	5,350,000	5,600,000	5,850,000	6,350,000	40,000,000	68,250,000
Equipment	-	-	-	-	-	-	-
Personnel	220,000	220,000	220,000	220,000	220,000	1,100,000	2,200,000
Other	680,000	930,000	1,180,000	1,430,000	1,930,000	17,900,000	24,050,000
Total	6,000,000	6,500,000	7,000,000	7,500,000	8,500,000	59,000,000	94,500,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							5,088,000
<i>FY2021 Estimate</i>							6,000,000
Total							105,588,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	4,325,000	3,825,000	3,750,000	4,750,000	6,350,000	59,000,000	82,000,000
Bonds	1,675,000	2,675,000	3,250,000	2,750,000	2,150,000	-	12,500,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	6,000,000	6,500,000	7,000,000	7,500,000	8,500,000	59,000,000	94,500,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement
PROJECT TITLE			High	Expansion
Lift Station Rehabilitation			Medium	New
			Low	Renovation
BID DATE	8/16/2017			
START CONSTRUCTION DATE	1/15/2018			
EXPECTED COMPLETION DATE	6/30/2029			
			BUDGET CODE	
			CPR1000390	

PROJECT DESCRIPTION & JUSTIFICATION

The project involves the rehabilitation of various lift station wet wells utilizing an epoxy coating. The wet wells are suffering from severe deterioration caused by hydrogen sulfide damage and resulting in need for rehabilitation. This work is necessary to maintain the integrity of the lift stations.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	600,000	600,000	600,000	600,000	600,000	1,800,000	4,800,000
Equipment	-	-	-	-	-	-	-
Personnel	10,000	10,000	10,000	10,000	10,000	30,000	80,000
Other	-	-	-	-	-	-	-
Total	610,000	610,000	610,000	610,000	610,000	1,830,000	4,880,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							851,000
<i>FY2021 Estimate</i>							610,000
Total							6,341,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	610,000	610,000	610,000	610,000	610,000	1,830,000	4,880,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	610,000	610,000	610,000	610,000	610,000	1,830,000	4,880,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



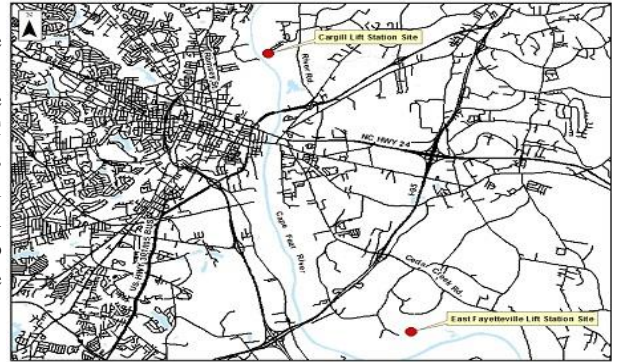
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Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement
PROJECT TITLE			High	Expansion
Lift Station Electrical Upgrades			Medium	New
			Low	Renovation
BID DATE	10/15/2023			
START CONSTRUCTION DATE	2/15/2024			
EXPECTED COMPLETION DATE	2/15/2027			
			BUDGET CODE	
			CPR1000442	

PROJECT DESCRIPTION & JUSTIFICATION

This project involves replacement of the electrical and mechanical controls at the East Fayetteville Lift Station, Cargill Lift Station, and Lock's Creek Lift Station. All lift stations were constructed over 30 years ago and replacement parts for the electrical and mechanical controls are becoming obsolete. Additionally, PWC will look at upgrading to variable frequency drives to allow for smoother starts and stops reducing stresses on the force mains and associated piping. The Cargill LS controls are subject to flooding which will be raised as part of this project. A preliminary engineering report will be completed for each lift station in order to review options and determine a final design. This work is necessary to facilitate operation and maintenance of the lift stations.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	250,000	275,000	350,000	150,000	75,000	1,100,000
Construction	-	-	500,000	2,000,000	1,500,000	1,000,000	5,000,000
Equipment	-	-	-	-	-	-	-
Personnel	-	10,000	20,000	50,000	40,000	20,000	140,000
Other	-	-	-	-	-	-	-
Total	-	260,000	795,000	2,400,000	1,690,000	1,095,000	6,240,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							6,240,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	260,000	795,000	2,400,000	1,690,000	1,095,000	6,240,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	260,000	795,000	2,400,000	1,690,000	1,095,000	6,240,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High X	Expansion X
North Fayetteville Lift Station Upgrades - Phase 4			Medium	New
			Low	Renovation
BID DATE	12/15/2021		BUDGET CODE	
START CONSTRUCTION DATE	3/15/2022		CPR1000426	
EXPECTED COMPLETION DATE	3/15/2023			

PROJECT DESCRIPTION & JUSTIFICATION

The electrical and mechanical controls at the N. Fayetteville Lift Station (LS #48) are 30 years old, and it is becoming difficult to find replacement parts. PWC completed the preliminary evaluation in FY2020, and design of the selected option is expected to begin in FY2021. Construction is anticipated to start in late FY2022 and be complete in FY2023. This project will install mechanical and electrical upgrades that are needed to efficiently operate and maintain the lift station, as well as to serve the expected growth in the North Fayetteville area.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	150,000	80,000	-	-	-	-	230,000
Construction	550,000	2,300,000	-	-	-	-	2,850,000
Equipment	-	-	-	-	-	-	-
Personnel	10,000	10,000	-	-	-	-	20,000
Other	-	-	-	-	-	-	-
Total	710,000	2,390,000	-	-	-	-	3,100,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							52,000
<i>FY2021 Estimate</i>							126,000
Total							3,278,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	710,000	2,390,000	-	-	-	-	3,100,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	710,000	2,390,000	-	-	-	-	3,100,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

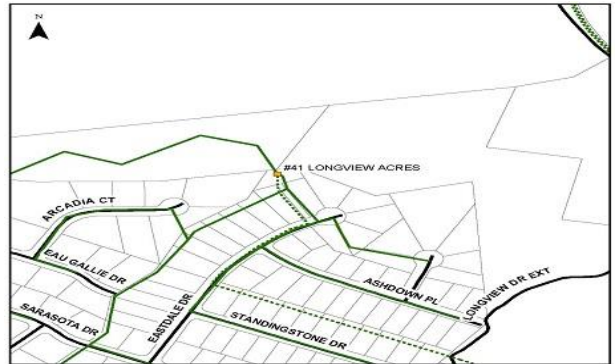
WS 55

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement
PROJECT TITLE			High	Expansion
			Medium	New
			Low	Renovation
BID DATE	11/15/2021			
START CONSTRUCTION DATE	2/13/2022			
EXPECTED COMPLETION DATE	11/10/2022			
			BUDGET CODE	
			CPR1000311	

PROJECT DESCRIPTION & JUSTIFICATION

This project will upgrade the existing Longview Lift Station and Force Main. The lift station currently operates at about 90% of capacity. The station is located just south of Methodist University, east of Ramsey Street. This area is expected to have continued growth. This service area includes Annexation Areas 30 & 31 which are scheduled to begin construction in 2023. This service area also includes at least one known development for a new shopping center. A project preliminary engineering report was completed in FY19 with detailed design slated for FY20 and FY21. Construction will begin in FY22 and wrap up in FY23.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	40,000	15,000	-	-	-	-	55,000
Construction	800,000	550,000	-	-	-	-	1,350,000
Equipment	-	-	-	-	-	-	-
Personnel	20,000	10,000	-	-	-	-	30,000
Other	-	-	-	-	-	-	-
Total	860,000	575,000	-	-	-	-	1,435,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							19,000
<i>FY2021 Estimate</i>							40,000
Total							1,494,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	860,000	575,000	-	-	-	-	1,435,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	860,000	575,000	-	-	-	-	1,435,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	(163,000)	(163,000)	(163,000)	(163,000)	(163,000)	(815,000)	(1,630,000)
New Revenue	-	-	-	-	-	-	-
Total	(163,000)	(163,000)	(163,000)	(163,000)	(163,000)	(815,000)	(1,630,000)

*Priority Score:

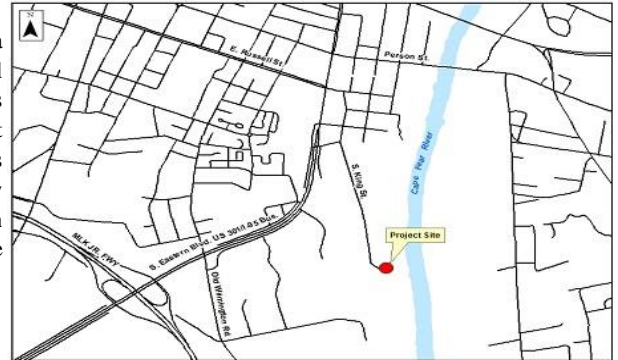
High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High	Expansion
King Street Lift Station Replacement			Medium X	New
			Low	Renovation
BID DATE	10/15/2025		BUDGET CODE	
START CONSTRUCTION DATE	3/15/2026		CPR1000490	
EXPECTED COMPLETION DATE	6/30/2027			

PROJECT DESCRIPTION & JUSTIFICATION

This project will look to replace the existing King Street Lift Station with a larger, regional lift station. This regional lift station would provide additional sewer service to the King Street/Old Wilmington Road service area, as well as potentially eliminate the PWC lift station. A preliminary engineering report (PER) will be prepared to determine the feasibility of a regional lift station, as well as to examine the benefits and costs. Design and construction will follow upon completion of the PER. It is anticipated that the PER will be completed in FY2024, with design beginning in FY2025. Construction is anticipated to be completed in FY2027.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	200,000	75,000	100,000	75,000	450,000
Construction	-	-	-	-	500,000	1,500,000	2,000,000
Equipment	-	-	-	-	-	-	-
Personnel	-	10,000	10,000	10,000	20,000	20,000	70,000
Other	-	-	-	-	-	-	-
Total	-	10,000	210,000	85,000	620,000	1,595,000	2,520,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							2,520,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	10,000	210,000	85,000	620,000	1,595,000	2,520,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	10,000	210,000	85,000	620,000	1,595,000	2,520,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 57

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High X	Expansion
Replace Lift Station #72 - Cypress Lakes #1			Medium	New
			Low	Renovation
BID DATE	11/17/2022		BUDGET CODE	
START CONSTRUCTION DATE	2/15/2023		CPR1000498	
EXPECTED COMPLETION DATE	10/13/2023			

PROJECT DESCRIPTION & JUSTIFICATION

The existing Cypress Lakes #1 Lift Station (PWC Lift Station #72) is presently operating near maximum capacity. Recent and proposed residential development in this service area requires the pump rate be increased to maintain regulatory compliance. This project will construct a new submersible pump lift station to replace the existing above-ground configured station. Engineering will commence in FY22 with construction in FY23 and FY24.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	25,000	-	-	-	-	25,000
Engineering	30,000	60,000	60,000	-	-	-	150,000
Construction	-	500,000	475,000	-	-	-	975,000
Equipment	-	-	-	-	-	-	-
Personnel	18,000	18,000	18,000	-	-	-	54,000
Other	-	-	-	-	-	-	-
Total	48,000	603,000	553,000	-	-	-	1,204,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							1,204,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	48,000	603,000	553,000	-	-	-	1,204,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	48,000	603,000	553,000	-	-	-	1,204,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 58

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High	Expansion
Replacement of HDPE-Lined Sewer Mains			Medium X	New
			Low	Renovation
BID DATE	5/15/2022		BUDGET CODE	
START CONSTRUCTION DATE	1/15/2023		CPR1000489	
EXPECTED COMPLETION DATE	6/30/2027			

PROJECT DESCRIPTION & JUSTIFICATION

This project will replace various sections of high-density polyethylene-lined sewer mains that are causing significant operation and maintenance issues for PWC. Many years ago, PWC installed HDPE liners in sewer mains to address structural issues. However, over time, these HDPE-lined mains have had maintenance issues due to grease blockages and flow capacity concerns. It is anticipated that a design-build contract will be let to assist PWC in prioritizing those areas that need replacing, as well as to expedite design and construction of the replacement mains. The design-build RFQ is anticipated to be issued in late FY2022, with design and construction starting in FY2023. The design-build contract is expected to be in place for a period of five (5) years.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	100,000	200,000	200,000	200,000	200,000	900,000
Construction	-	500,000	1,500,000	1,500,000	1,500,000	1,500,000	6,500,000
Equipment	-	-	-	-	-	-	-
Personnel	10,000	20,000	20,000	20,000	20,000	20,000	110,000
Other	-	-	-	-	-	-	-
Total	10,000	620,000	1,720,000	1,720,000	1,720,000	1,720,000	7,510,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							7,510,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	10,000	620,000	1,720,000	1,720,000	1,720,000	1,720,000	7,510,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	10,000	620,000	1,720,000	1,720,000	1,720,000	1,720,000	7,510,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

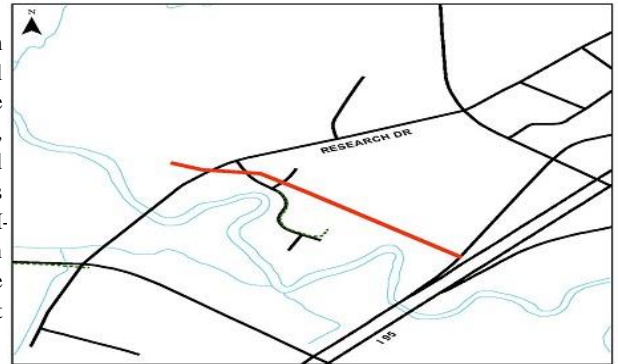
WS 59

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement
PROJECT TITLE			High	Expansion
Line 54" Outfall - Research Drive to I-95			Medium	New
			Low	Renovation
BID DATE	7/15/2021			
START CONSTRUCTION DATE	11/15/2021			
EXPECTED COMPLETION DATE	6/30/2024			
			BUDGET CODE	
			CPR1000194	

PROJECT DESCRIPTION & JUSTIFICATION

This project would line approximately 4,000 LF of 54-inch concrete outfall, from Research Drive to I-95. Recent CCTV inspections indicate this section of outfall has hydrogen sulfide damage and needs rehabilitation. Several sections have exposed rebar. Failure of this outfall would result in significant construction, environmental and social costs. This project is the second of several that will rehabilitate the 54-inch outfall from US 301 to the Rockfish Creek WRF. This project includes the installation of two (2) bores underneath Research Drive and I-95 in order to bypass the sewer while the outfall is being lined. The construction of the bores will occur prior to the rehabilitation project. Construction of the bores is anticipated to start in FY2022, and the rehabilitation is scheduled to start in FY2023.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	50,000	-	-	-	-	-	50,000
Engineering	50,000	20,000	-	-	-	-	70,000
Construction	575,000	950,000	1,800,000	-	-	-	3,325,000
Equipment	-	-	-	-	-	-	-
Personnel	20,000	30,000	30,000	-	-	-	80,000
Other	-	-	-	-	-	-	-
Total	695,000	1,000,000	1,830,000	-	-	-	3,525,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							26,000
<i>FY2021 Estimate</i>							55,000
Total							3,606,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	695,000	-	-	-	-	-	695,000
Bonds	-	1,000,000	1,830,000	-	-	-	2,830,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	695,000	1,000,000	1,830,000	-	-	-	3,525,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 60

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 341500		Sanitary Sewer Collection	Score	Replacement
PROJECT TITLE			High	Expansion
Rockfish Creek Basin Peak Flow Facilities			Medium	New
			Low	Renovation
BID DATE	9/15/2020			
START CONSTRUCTION DATE	1/15/2021			
EXPECTED COMPLETION DATE	4/10/2022			
			BUDGET CODE	
			CPR1000135	

PROJECT DESCRIPTION & JUSTIFICATION

This project will construct improvements necessary to relieve portions of the Rockfish Creek Basin interceptor system susceptible to surcharging and potential overflows during periods of extreme wet weather. The first phase of engineering completed in FY 11 confirmed the location of collection system bottlenecks. The second phase of engineering started in FY17 and provided the updated basis of design for a 3.5 MG offline Equalization and Pumping Facility located near the junction of the existing 36" and 42" interceptor mains north of Camden Road and west of George Owen Road. This project has been selected to be funded by the NCDEQ State Revolving Loan Program. Bids were received in September 2020 and construction will commence in January 2021.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	691,000	87,000	-	-	-	-	778,000
Construction	8,378,000	-	-	-	-	-	8,378,000
Equipment	-	-	-	-	-	-	-
Personnel	20,000	-	-	-	-	-	20,000
Other	-	-	-	-	-	-	-
Total	9,089,000	87,000	-	-	-	-	9,176,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							2,061,000
<i>FY2021 Estimate</i>							446,000
Total							11,683,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	9,089,000	87,000	-	-	-	-	9,176,000
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	9,089,000	87,000	-	-	-	-	9,176,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	(20,000)	(20,000)	(20,000)	(20,000)	(20,000)	(100,000)	(200,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	(20,000)	(20,000)	(20,000)	(20,000)	(20,000)	(100,000)	(200,000)

*Priority Score:

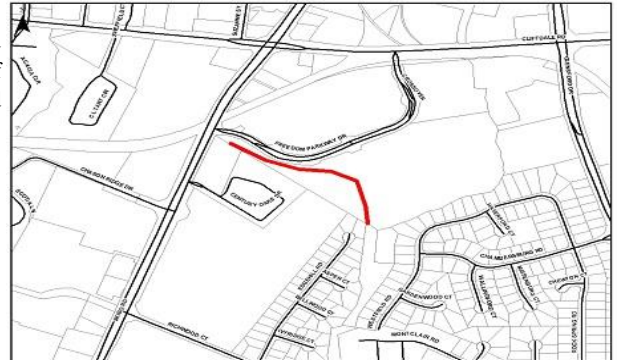
High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement
PROJECT TITLE			High	Expansion
Freedom Town Center Sewer Replacement			Medium	New
			Low	Renovation
BID DATE	1/15/2021			
START CONSTRUCTION DATE	4/1/2021			
EXPECTED COMPLETION DATE	12/1/2021			
			BUDGET CODE	
			CPR1000397	

PROJECT DESCRIPTION & JUSTIFICATION

This project will replace approximately 1,800 linear feet of 8-inch HDPE-lined concrete sewer mains. Replacement of these mains will reduce the likelihood of future sewer spills and facilitate maintenance activities. Engineering was started in FY 2018 and the project is expected to be completed in FY 2022.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	40,000	-	-	-	-	-	40,000
Construction	850,000	-	-	-	-	-	850,000
Equipment	-	-	-	-	-	-	-
Personnel	10,000	-	-	-	-	-	10,000
Other	-	-	-	-	-	-	-
Total	900,000	-	-	-	-	-	900,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							176,000
<i>FY2021 Estimate</i>							462,000
Total							1,538,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	900,000	-	-	-	-	-	900,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	900,000	-	-	-	-	-	900,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

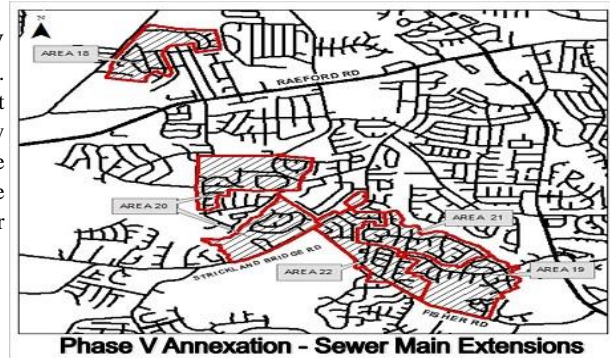
High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement
PROJECT TITLE			High	Expansion
Phase V Annexation			Medium	New
			Low	Renovation
BID DATE	6/1/2009			
START CONSTRUCTION DATE	11/12/2009			
EXPECTED COMPLETION DATE	8/24/2028			
			BUDGET CODE	
			CPR1000130	

PROJECT DESCRIPTION & JUSTIFICATION

This project will provide sewer service to the construction areas for Phase V Annexation. These areas were annexed into the City of Fayetteville in 2005. Design for construction areas began in FY09. Each fiscal year thereafter, the next two consecutive construction areas will have sewer installed. Approximately 600 new sewer services will be added each fiscal year. Connection rates are assumed to be 50% first year, 10% second year, and 5% each year after. The assumed revenue per customer is \$36.68 with no escalation of the revenue over time.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	1,655,000	828,000	675,000	667,000	104,000	-	3,929,000
Engineering	2,690,000	2,879,000	2,104,000	2,331,000	1,921,000	1,555,000	13,480,000
Construction	18,892,000	21,881,000	23,151,000	15,122,000	27,052,000	16,805,000	122,903,000
Equipment	-	-	-	-	-	-	-
Personnel	1,000,000	902,000	673,000	903,000	744,000	595,000	4,817,000
Other	90,000	127,000	188,000	124,000	177,000	106,000	812,000
Total	24,327,000	26,617,000	26,791,000	19,147,000	29,998,000	19,061,000	145,941,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							87,677,000
<i>FY2021 Estimate</i>							15,372,000
Total							248,990,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	24,327,000	26,617,000	26,791,000	19,147,000	29,998,000	19,061,000	145,941,000
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	24,327,000	26,617,000	26,791,000	19,147,000	29,998,000	19,061,000	145,941,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	2,185,000	2,448,000	2,798,000	3,164,000	3,523,000	20,203,000	34,321,000
Capital Outlays	-	-	-	-	-	-	-
New Revenue	(1,567,000)	(1,769,000)	(1,989,000)	(2,240,000)	(2,426,000)	(15,483,000)	(25,474,000)
Total	618,000	679,000	809,000	924,000	1,097,000	4,720,000	8,847,000

*Priority Score:

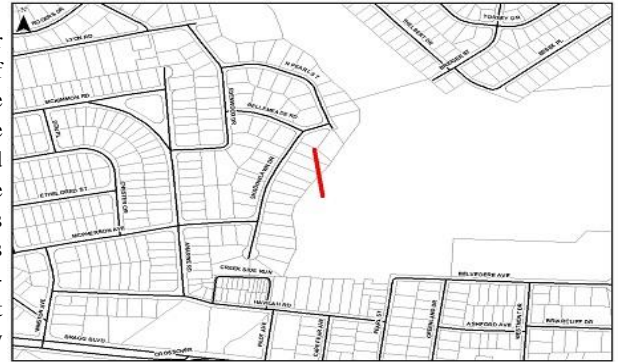
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Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High X	Expansion
Replacement of the Shadowlawn Aerial Sewer Crossing			Medium	New X
			Low	Renovation
BID DATE	7/30/2021		BUDGET CODE	
START CONSTRUCTION DATE	11/30/2021		CPR1000438	
EXPECTED COMPLETION DATE	5/15/2022			

PROJECT DESCRIPTION & JUSTIFICATION

This project will replace the existing 8-inch and 16-inch cast iron aerial sewer crossings off Shadowlawn Drive. The 16-inch aerial crossing consists of concrete piers supporting the 16-inch pipe. High stream flows during Hurricane Florence caused the piers to become unstable, threatening the integrity of the crossing. This crossing was initially constructed in 1952 and has reached the end of its service life. Replacement is necessary to ensure no additional damage occurs due to high flow events, and to minimize maintenance costs. It is anticipated that FEMA will reimburse PWC for a portion of this cost. Design is anticipated to start in FY2020, with construction occurring in FY2022. The 8-inch aerial crossing is also need of replacement in order to meet PWC's current standards. Replacement of the 8-inch aerial crossing will not be reimbursed by FEMA.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	110,000	-	-	-	-	-	110,000
Construction	850,000	-	-	-	-	-	850,000
Equipment	-	-	-	-	-	-	-
Personnel	20,000	-	-	-	-	-	20,000
Other	-	-	-	-	-	-	-
Total	980,000	-	-	-	-	-	980,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							80,000
<i>FY2021 Estimate</i>							140,000
Total							1,200,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	980,000	-	-	-	-	-	980,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	980,000	-	-	-	-	-	980,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

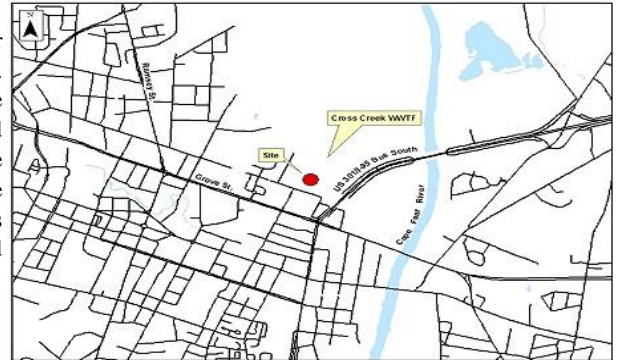
High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 341500		Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High X	Expansion
Lamon Street Aerial Sewer Replacement			Medium	New
			Low	Renovation
BID DATE	12/1/2023		BUDGET CODE	
START CONSTRUCTION DATE	3/1/2024		CPR1000443	
EXPECTED COMPLETION DATE	5/1/2025			

PROJECT DESCRIPTION & JUSTIFICATION

This project will replace the existing 42-inch aerial sanitary sewer crossing near Lamon Street that discharges to the Cross Creek Water Reclamation Facility. This crossing has been damaged and the piers have been undermined multiple times. Inspections prior to Hurricane Matthew and Hurricane Florence indicated that repairs of the structure would be necessary. Inspections after each of the hurricanes revealed additional damages, necessitating replacement of the structure. The size of the sanitary sewer main will be increased as part of this project as well in anticipation for increased future flows. Engineering is planned for FY23 and construction is expected to be completed in FY25.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	175,000	175,000	120,000	-	-	470,000
Construction	-	-	1,000,000	1,500,000	-	-	2,500,000
Equipment	-	-	-	-	-	-	-
Personnel	-	10,000	10,000	10,000	-	-	30,000
Other	-	-	-	-	-	-	-
Total	-	185,000	1,185,000	1,630,000	-	-	3,000,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							3,000,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	185,000	1,185,000	1,630,000	-	-	3,000,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	185,000	1,185,000	1,630,000	-	-	3,000,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

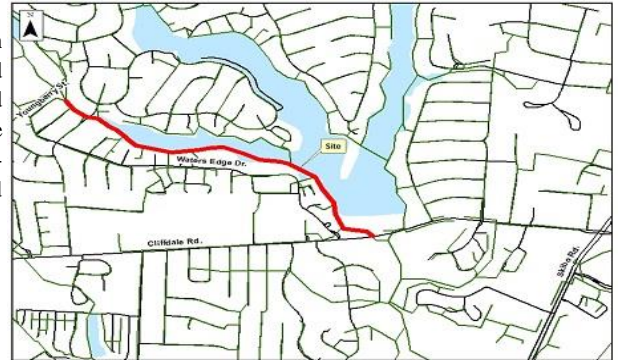
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Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 341500		Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High X	Expansion
McFadyen Lake Sewer Main Rehabilitation			Medium	New
			Low	Renovation X
BID DATE	1/30/2026		BUDGET CODE	
START CONSTRUCTION DATE	4/15/2026		CPR1000446	
EXPECTED COMPLETION DATE	4/15/2027			

PROJECT DESCRIPTION & JUSTIFICATION

This project would line approximately 6,000 LF of 27-inch concrete sewer main from Youngberry Street to Cliffdale Road. This existing outfall runs along and under McFadyen Lake. Recent CCTV inspections have found infiltration and deterioration of the concrete main. Given the location of the main and the difficult access, it is anticipated that this project may be constructed as a design-build or a Construction Manager At Risk (CMAR) project. Design is anticipated to be completed in FY 2026 with construction starting in FY 2026.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	100,000	300,000	75,000	475,000
Construction	-	-	-	-	800,000	2,400,000	3,200,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	10,000	10,000	10,000	30,000
Other	-	-	-	-	-	-	-
Total	-	-	-	110,000	1,110,000	2,485,000	3,705,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							3,705,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	110,000	1,110,000	2,485,000	3,705,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	110,000	1,110,000	2,485,000	3,705,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

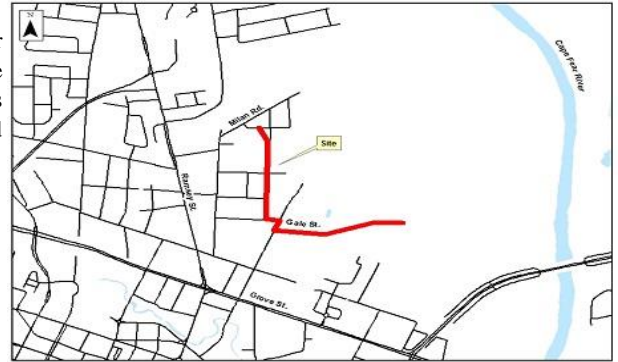
High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High	Expansion
Line North Street Outfall, Milan Road to Gale Street			Medium X	New
			Low	Renovation X
BID DATE	4/15/2027		BUDGET CODE	
START CONSTRUCTION DATE	10/1/2027		CPR1000451	
EXPECTED COMPLETION DATE	6/30/2028			

PROJECT DESCRIPTION & JUSTIFICATION

This project will line approximately 5,400 LF of 21-inch and 24-inch clay sewer main between Milan Road and Gale Street. Recent CCTV inspections have indicated significant defects within this section of the outfall. This outfall serves a large portion of central and northern Fayetteville. Failure of this main would result in significant construction, social, and environmental costs.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	900,000	900,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	20,000	20,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	920,000	920,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							920,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	920,000	920,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	920,000	920,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

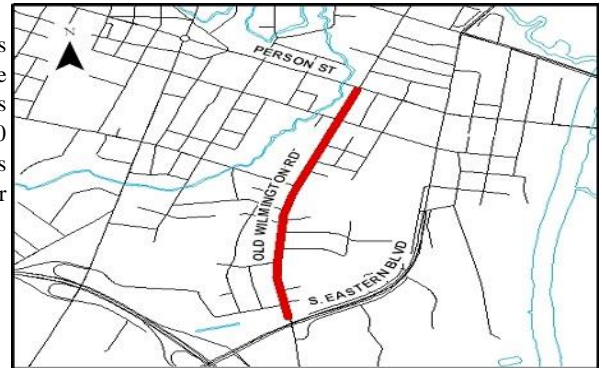
High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High	Expansion
Old Wilmington Road Sewer Replacement			Medium X	New
			Low	Renovation
BID DATE	12/15/2030		BUDGET CODE	
START CONSTRUCTION DATE	3/15/2031		CPR1000156	
EXPECTED COMPLETION DATE	3/15/2032			

PROJECT DESCRIPTION & JUSTIFICATION

This project consists of replacing the existing 21-inch and 8-inch sewer mains with 24-inch and 12-inch sewer mains. This project is necessary to convey the peak wet weather flows in this drainage basin. Further, the existing sewer mains are vitrified clay, and nearing the end of their service life. Approximately 4,900 LF of 24-inch and 1,800 LF of 12-inch sewer mains will be installed. This project was identified and recommended in the 2008 Cross Creek Sanitary Sewer Master Plan.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	100,000	100,000
Engineering	-	-	-	-	-	420,000	420,000
Construction	-	-	-	-	-	450,000	450,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	30,000	30,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	1,000,000	1,000,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							5,000
<i>FY2021 Estimate</i>							-
Total							1,005,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	1,000,000	1,000,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	1,000,000	1,000,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High X	Expansion
Murchison Road Sewer Improvements, (Jasper St. to Murchison Rd.)			Medium	New
			Low	Renovation X
BID DATE	12/15/2022		BUDGET CODE	
START CONSTRUCTION DATE	3/15/2023		CPR1000139	
EXPECTED COMPLETION DATE	3/15/2024			

PROJECT DESCRIPTION & JUSTIFICATION

This project involves the replacement of approximately 3,700 linear feet of 8-inch high-density polyethylene pipe (HDPE)-lined vitrified clay sewer mains with new 12-inch sewer mains, and replace approximately 1,750 linear feet of 8-inch and 10-inch sewer mains with new 12-inch ductile iron pipe sewer mains. Replacement of the 8-inch HDPE-lined mains will reduce the likelihood of future sewer spills and facilitate maintenance activities. Replacement of the 8-inch and 10-inch sewer main is necessary to convey the peak wet weather flows in this drainage basin. This project was initially identified in the 2008 Cross Creek Sanitary Sewer Master Plan. Recent flow monitoring and modeling confirmed that the existing lines were unable to convey the peak wet weather flows.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	10,000	-	-	-	-	-	10,000
Engineering	-	-	-	-	-	-	-
Construction	-	500,000	1,100,000	-	-	-	1,600,000
Equipment	-	-	-	-	-	-	-
Personnel	10,000	10,000	10,000	-	-	-	30,000
Other	20,000	-	-	-	-	-	20,000
Total	40,000	510,000	1,110,000	-	-	-	1,660,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							35,000
<i>FY2021 Estimate</i>							18,000
Total							1,713,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	40,000	510,000	1,110,000	-	-	-	1,660,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	40,000	510,000	1,110,000	-	-	-	1,660,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

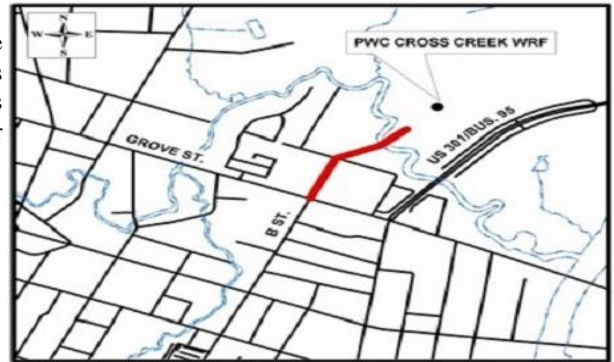
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Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High	Expansion
B Street Parallel Sewer			Medium X	New
			Low	Renovation
BID DATE	10/15/2028		BUDGET CODE	
START CONSTRUCTION DATE	3/15/2029		CPR1000140	
EXPECTED COMPLETION DATE	3/15/2030			

PROJECT DESCRIPTION & JUSTIFICATION

This project will install approximately 2,100 LF of 30" sewer, parallel to the existing 48" and 60" outfall that serves Cross Creek WRF. This parallel main is necessary to convey peak wet weather flows within the Cross Creek basin. This project was identified and recommended in the 2008 Cross Creek Sanitary Sewer Master Plan.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	120,000	120,000
Engineering	-	-	-	-	-	250,000	250,000
Construction	-	-	-	-	-	1,050,000	1,050,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	35,000	35,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	1,455,000	1,455,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							1,455,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	1,455,000	1,455,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	1,455,000	1,455,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

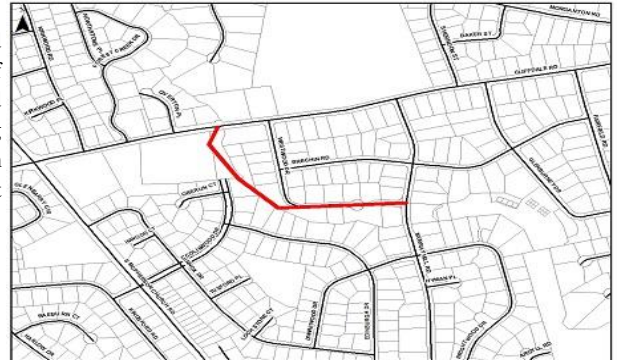
High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High	Expansion
Branson Creek Interceptor Replacement, Phase I			Medium X	New
			Low	Renovation
BID DATE	2/1/2027		BUDGET CODE	
START CONSTRUCTION DATE	6/1/2027		CPR1000393	
EXPECTED COMPLETION DATE	3/1/2028			

PROJECT DESCRIPTION & JUSTIFICATION

The project will replace approximately 2,600 LF of 8-inch and 12-inch vitrified clay sewer mains between Cliffdale Road and Murray Hill Road. This section of sewer has parallel mains, exposed pipe in Branson Creek, reverse slopes, and limited capacity during wet weather events. This project will replace the existing mains with a new 12-inch main. The condition of the mains make them unsuitable for lining. Engineering is expected to start in FY2026, and the project is expected to be completed in FY2028.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	100,000	100,000
Engineering	-	-	-	-	30,000	195,000	225,000
Construction	-	-	-	-	-	950,000	950,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	5,000	20,000	25,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	35,000	1,265,000	1,300,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							1,300,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	35,000	1,265,000	1,300,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	35,000	1,265,000	1,300,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

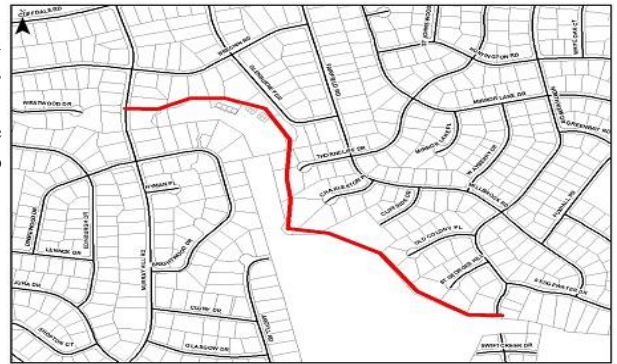
High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High	Expansion
Branson Creek Interceptor Replacement, Phase II			Medium X	New
			Low	Renovation
BID DATE	2/1/2028		BUDGET CODE	
START CONSTRUCTION DATE	6/1/2028		CPR1000394	
EXPECTED COMPLETION DATE	12/1/2028			

PROJECT DESCRIPTION & JUSTIFICATION

The project will replace approximately 4,000 LF of 15-inch concrete sewer main between Murray Hill Road and Fairfield Road. This section of sewer has exposed pipe in Branson Creek and limited capacity during wet weather events. This project will replace the existing main with a new 16-inch main. The condition of the main makes it unsuitable for lining. Engineering is expected to start in FY2027 and the project is expected to be completed in FY2029.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	60,000	60,000
Engineering	-	-	-	-	-	360,000	360,000
Construction	-	-	-	-	-	1,500,000	1,500,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	30,000	30,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	1,950,000	1,950,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							1,950,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	1,950,000	1,950,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	1,950,000	1,950,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

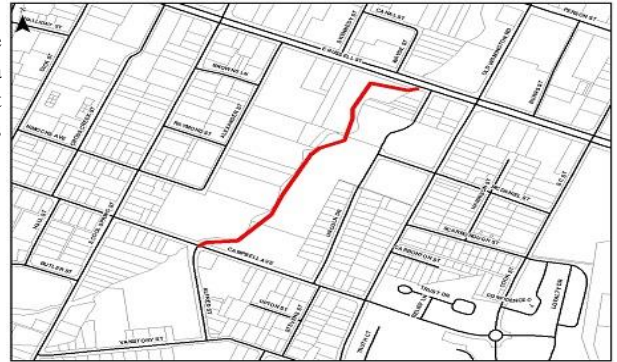
High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement
PROJECT TITLE			High	Expansion
Rehabilitation of the Blounts Creek Outfall, Campbell to Russell			Medium	New
			Low	Renovation
BID DATE	10/15/2022			
START CONSTRUCTION DATE	1/15/2023			
EXPECTED COMPLETION DATE	6/30/2023			
			BUDGET CODE	
			CPR1000392	

PROJECT DESCRIPTION & JUSTIFICATION

The project will line approximately 2,000 LF of 30-inch and 36-inch concrete sewer outfall between Campbell Avenue and Russell Street. This outfall serves a large portion of central Fayetteville. Recent CCTV inspections indicate that deterioration from hydrogen sulfide and infiltration is occurring. Failure of this main would result in significant construction, environmental and social costs.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	550,000	-	-	-	-	550,000
Equipment	-	-	-	-	-	-	-
Personnel	-	10,000	-	-	-	-	10,000
Other	-	-	-	-	-	-	-
Total	-	560,000	-	-	-	-	560,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							560,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	560,000	-	-	-	-	560,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	560,000	-	-	-	-	560,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

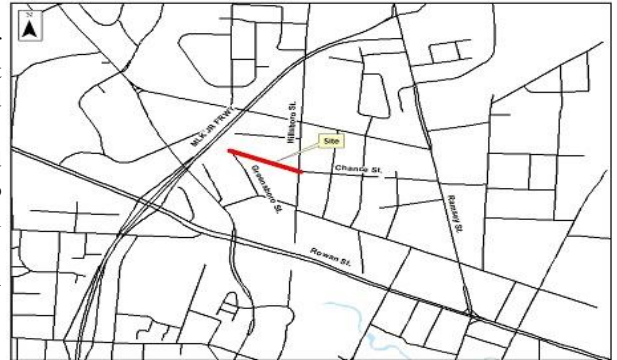
High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 341500		Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High X	Expansion
Replacement of the Cross Creek Outfall, Greensboro Street to Hillsboro Street			Medium	New X
BID DATE	10/7/2021		Low	Renovation
START CONSTRUCTION DATE	3/1/2022			
EXPECTED COMPLETION DATE	12/1/2022			
			BUDGET CODE	
			CPR1000447	

PROJECT DESCRIPTION & JUSTIFICATION

This project would relocate approximately 2,000 LF of 36-inch concrete sewer outfall between Greensboro Street and Hillsboro Street. During easement negotiations for the rehabilitation of the Cross Creek Outfall, it was discovered that PWC has an existing 10-foot wide easement through the middle of 601 Hillsboro Street. This easement restricts PWC's ability to perform operation and maintenance on the sewer main and the property owner was not willing to renegotiate the easement. It was determined that installing a new sewer outfall along the perimeter of 601 Hillsboro was the most feasible option for PWC. Design is expected to be completed in FY2022 with construction starting in FY22.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	90,000	-	-	-	-	-	90,000
Engineering	60,000	30,000	-	-	-	-	90,000
Construction	1,400,000	2,900,000	-	-	-	-	4,300,000
Equipment	-	-	-	-	-	-	-
Personnel	15,000	10,000	-	-	-	-	25,000
Other	-	-	-	-	-	-	-
Total	1,565,000	2,940,000	-	-	-	-	4,505,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							315,000
Total							4,820,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	1,565,000	2,940,000	-	-	-	-	4,505,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	1,565,000	2,940,000	-	-	-	-	4,505,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

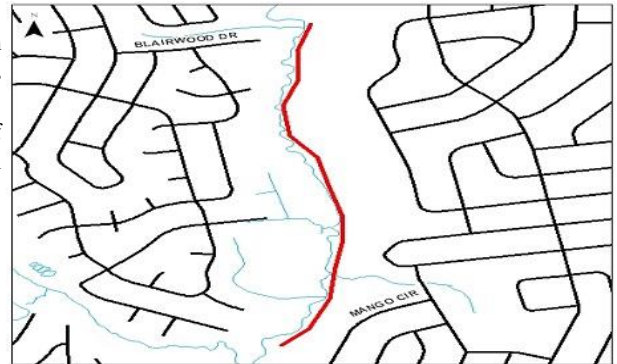
High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement
PROJECT TITLE			High	Expansion
Line Beaver Creek Outfall, Phase II			Medium	New
			Low	Renovation
BID DATE	1/31/2023			
START CONSTRUCTION DATE	5/15/2023			
EXPECTED COMPLETION DATE	2/28/2024			
			BUDGET CODE	
			CPR1000291	

PROJECT DESCRIPTION & JUSTIFICATION

This project would line approximately 4,800 LF of 42-inch concrete outfall, from Blairwood Drive to Mango Circle. Recent CCTV inspections indicate that this section of outfall has hydrogen sulfide damage and is in need of rehabilitation. Further, modeling based on flow monitor data indicates that this section of outfall has a significant amount of groundwater infiltration. Failure of this outfall would result in significant construction, environmental, and social costs.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	200,000	2,000,000	-	-	-	2,200,000
Equipment	-	-	-	-	-	-	-
Personnel	10,000	10,000	10,000	-	-	-	30,000
Other	-	-	-	-	-	-	-
Total	10,000	210,000	2,010,000	-	-	-	2,230,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							2,230,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	10,000	-	-	-	-	-	10,000
Bonds	-	210,000	2,010,000	-	-	-	2,220,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	10,000	210,000	2,010,000	-	-	-	2,230,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 75

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement
PROJECT TITLE			High	Expansion
Line the Beaver Creek Outfall, Phase III			Medium	New
			Low	Renovation
BID DATE	11/1/2023			
START CONSTRUCTION DATE	3/1/2024			
EXPECTED COMPLETION DATE	12/1/2024			
			BUDGET CODE	
			CPR1000143	

PROJECT DESCRIPTION & JUSTIFICATION

This project will line approximately 3,800 LF of Beaver Creek Outfall. This outfall is 42-inch concrete pipe and serves a large area west of Hope Mills Road. Failure of this main would result in significant construction, environmental, and social costs. A video inspection of the main indicates that deterioration and infiltration is occurring, and rehabilitation is necessary to maintain its integrity.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	500,000	1,200,000	-	-	1,700,000
Equipment	-	-	-	-	-	-	-
Personnel	-	10,000	10,000	10,000	-	-	30,000
Other	-	-	-	-	-	-	-
Total	-	10,000	510,000	1,210,000	-	-	1,730,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							1,730,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	10,000	-	-	-	-	10,000
Bonds	-	-	510,000	1,210,000	-	-	1,720,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	10,000	510,000	1,210,000	-	-	1,730,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement
PROJECT TITLE			High	Expansion
Line Beaver Creek Outfall, Phase IV			Medium	New
			Low	Renovation
BID DATE	11/15/2024			
START CONSTRUCTION DATE	3/15/2025			
EXPECTED COMPLETION DATE	12/15/2025			
			BUDGET CODE	
			CPR1000378	

PROJECT DESCRIPTION & JUSTIFICATION

This project will line approximately 3,800 LF of the Beaver Creek Outfall from Texas Circle to the Hope Mills Bypass (NC 162). This outfall is 42-inch concrete pipe serving a large area west of Hope Mills Road. Failure of this main would result in significant construction, environmental, and social costs. A video inspection of the main indicates that deterioration and infiltration is occurring. Rehabilitation is necessary to maintain its integrity.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	500,000	1,200,000	-	1,700,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	10,000	10,000	10,000	-	30,000
Other	-	-	-	-	-	-	-
Total	-	-	10,000	510,000	1,210,000	-	1,730,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							1,730,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	10,000	-	-	-	10,000
Bonds	-	-	-	510,000	1,210,000	-	1,720,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	10,000	510,000	1,210,000	-	1,730,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement
PROJECT TITLE			High	Expansion
Line Beaver Creek Outfall, Phase V			Medium	New
			Low	Renovation
BID DATE	11/15/2025			
START CONSTRUCTION DATE	3/15/2026			
EXPECTED COMPLETION DATE	12/15/2026			
			BUDGET CODE	
			CPR1000381	

PROJECT DESCRIPTION & JUSTIFICATION

This project will line approximately 3,500 LF of the Beaver Creek Outfall from the Hope Mills Bypass (NC 162) to Bloomsbury Drive. This outfall is 42-inch concrete pipe serving a large area west of Hope Mills Road. Failure of this main would result in significant construction, environmental, and social costs. A video inspection of the main indicates that deterioration and infiltration is occurring. Rehabilitation is necessary to maintain its integrity.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	500,000	1,200,000	1,700,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	10,000	10,000	10,000	30,000
Other	-	-	-	-	-	-	-
Total	-	-	-	10,000	510,000	1,210,000	1,730,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							1,730,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	10,000	-	-	10,000
Bonds	-	-	-	-	510,000	1,210,000	1,720,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	10,000	510,000	1,210,000	1,730,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High X	Expansion
Line Beaver Creek Outfall, Phase VI			Medium	New
			Low	Renovation X
BID DATE	11/15/2026		BUDGET CODE	
START CONSTRUCTION DATE	3/15/2027		CPR1000448	
EXPECTED COMPLETION DATE	2/15/2028			

PROJECT DESCRIPTION & JUSTIFICATION

This project will line approximately 5,600 LF of the Beaver Creek Outfall from Bloomsbury Drive to Ole Bluff Mill Drive. This outfall is 42-inch concrete pipe serving a large area west of Hope Mills Road. Failure of this main would result in significant construction, environmental, and social costs. A video inspection of the outfall indicates that deterioration and infiltration is occurring. Rehabilitation is necessary to maintain its integrity. The total anticipated project cost is \$2,540,000.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	2,500,000	2,500,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	10,000	30,000	40,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	10,000	2,530,000	2,540,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							2,540,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	10,000	-	10,000
Bonds	-	-	-	-	-	2,530,000	2,530,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	10,000	2,530,000	2,540,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

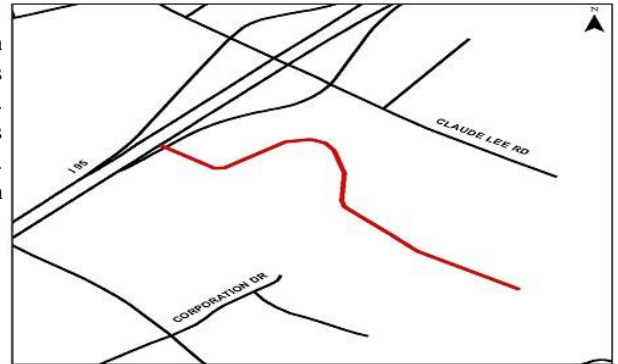
High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 341500		Sanitary Sewer Collection	Score	Replacement
PROJECT TITLE			High	Expansion
Line 54" Outfall - I-95 to Claude Lee Road			Medium	New
			Low	Renovation
BID DATE	10/1/2024			
START CONSTRUCTION DATE	3/1/2025			
EXPECTED COMPLETION DATE	12/1/2025			
			BUDGET CODE	
			CPR1000195	

PROJECT DESCRIPTION & JUSTIFICATION

This project would line approximately 3,200 LF of 54-inch concrete outfall, from Interstate 95 to Claude Lee Road. Recent CCTV inspections indicate that this section of outfall has hydrogen sulfide damage and is in need of rehabilitation. There are several sections of this outfall that have exposed rebar. Failure of this outfall would result in significant construction, environmental, and social costs. This project is the third of several that will rehabilitate the 54-inch outfall from US 301 to the Rockfish Creek Water Reclamation Facility.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	20,000	-	-	-	20,000
Engineering	-	-	50,000	-	-	-	50,000
Construction	-	-	-	700,000	1,400,000	-	2,100,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	10,000	10,000	10,000	-	30,000
Other	-	-	-	-	-	-	-
Total	-	-	80,000	710,000	1,410,000	-	2,200,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							2,200,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	80,000	710,000	1,410,000	-	2,200,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	80,000	710,000	1,410,000	-	2,200,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

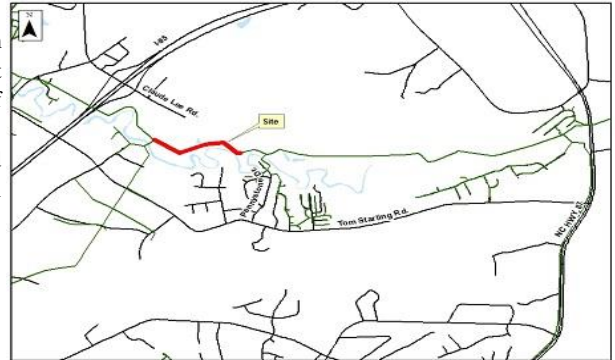
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Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement
PROJECT TITLE			High	Expansion
Line 54-Inch Outfall, Claude Lee Road to Pennystone Drive			Medium	New
			Low	Renovation
BID DATE	11/15/2027		BUDGET CODE	
START CONSTRUCTION DATE	5/15/2028		CPR1000449	
EXPECTED COMPLETION DATE	2/28/2029			

PROJECT DESCRIPTION & JUSTIFICATION

This project would line approximately 2,800 LF of 54-inch concrete outfall from Claude Lee Road to Pennystone Drive. Recent CCTV inspections indicate that this section of outfall has hydrogen sulfide damage and is in need of rehabilitation. There are several sections of this outfall that have exposed rebar. Failure of this outfall would result in significant construction, environmental, and social costs. This project is the third of several that will rehabilitate the 54-inch outfall from US 301 to the Rockfish Creek Water Reclamation Facility.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	2,500,000	2,500,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	30,000	30,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,530,000	2,530,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							2,530,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	2,530,000	2,530,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,530,000	2,530,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High X	Expansion
Line 54-Inch Outfall, Pennystone Drive to Laurelwood Place			Medium	New
			Low	Renovation X
BID DATE	10/15/2028		BUDGET CODE	
START CONSTRUCTION DATE	3/15/2029		CPR1000450	
EXPECTED COMPLETION DATE	3/15/2030			

PROJECT DESCRIPTION & JUSTIFICATION

This project would line approximately 2,800 LF of 54-inch concrete outfall from Pennystone Drive to Laurelwood Place. Recent CCTV inspections indicate that this section of outfall has hydrogen sulfide damage and is in need of rehabilitation. There are several sections of this outfall that have exposed rebar. Failure of this outfall would result in significant construction, environmental, and social costs. This project is the third of several that will rehabilitate the 54-inch outfall from US 301 to the Rockfish Creek Water Reclamation Facility. The estimated cost for this project is \$2,530,000.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	2,500,000	2,500,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	30,000	30,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,530,000	2,530,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							2,530,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	2,530,000	2,530,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,530,000	2,530,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

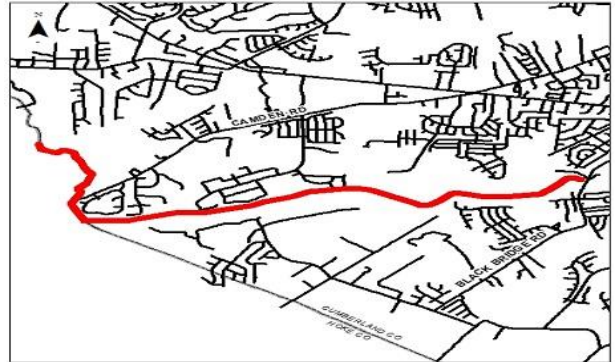
WS 82

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 341500		Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High X	Expansion X
Big Rockfish Sanitary Sewer Outfall			Medium	New
			Low	Renovation
BID DATE	12/17/2020			
START CONSTRUCTION DATE	3/29/2021			
EXPECTED COMPLETION DATE	12/10/2023			
			BUDGET CODE	
			CPR1000310	

PROJECT DESCRIPTION & JUSTIFICATION

This project will construct a new 24"-18" sanitary sewer outfall along Big Rockfish Creek and Stewart's Creek at the Cumberland/Hoke County line. This area is expected to see an increase in new development and sewer customers due to the planned I-295 Fayetteville Outer Loop and Annexation Areas 32 and 34. The proposed Outfall will eliminate the need for a future lift station to serve the Annexation Areas. This project has been approved for funding through the Clean Water State Revolving Fund (CWSRF).



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	901,000	297,000	150,000	-	-	-	1,348,000
Construction	13,592,000	3,981,000	1,834,000	-	-	-	19,407,000
Equipment	-	-	-	-	-	-	-
Personnel	348,000	154,000	188,000	-	-	-	690,000
Other	145,000	22,000	3,000	-	-	-	170,000
Total	14,986,000	4,454,000	2,175,000	-	-	-	21,615,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							1,947,000
<i>FY2021 Estimate</i>							3,343,000
Total							26,905,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	493,000	176,000	191,000	-	-	-	860,000
Bonds	4,122,000	2,609,000	1,984,000	-	-	-	8,715,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	10,371,000	1,669,000	-	-	-	-	12,040,000
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	14,986,000	4,454,000	2,175,000	-	-	-	21,615,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

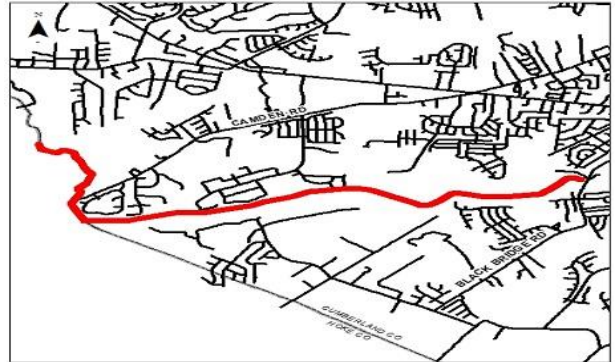
WS 83

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High X	Expansion X
Big Rockfish Sanitary Sewer Outfall - Lift Station Eliminations			Medium	New
BID DATE			Low	Renovation
8/15/2022			BUDGET CODE	
12/15/2022			CPR1000427	
4/15/2024				

PROJECT DESCRIPTION & JUSTIFICATION

This project will construct new 12" - 8" sanitary sewer mains from the Big Rockfish Creek Outfall to 6 existing lift stations. This area is expected to see an increase in new development and sewer customers due to the planned I-295 Fayetteville Outer Loop and Annexation Areas 32 and 34. The proposed mains will eliminate 6 existing sewer lift stations. This project was approved for funding through the Clean Water State Revolving Fund (CWSRF).



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	32,000	101,000	204,000	-	-	-	337,000
Construction	284,000	1,508,000	2,640,000	-	-	-	4,432,000
Equipment	-	-	-	-	-	-	-
Personnel	38,000	132,000	137,000	-	-	-	307,000
Other	144,000	16,000	24,000	-	-	-	184,000
Total	498,000	1,757,000	3,005,000	-	-	-	5,260,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							727,000
<i>FY2021 Estimate</i>							531,000
Total							6,518,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	182,000	148,000	161,000	-	-	-	491,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	316,000	1,609,000	2,844,000	-	-	-	4,769,000
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	498,000	1,757,000	3,005,000	-	-	-	5,260,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

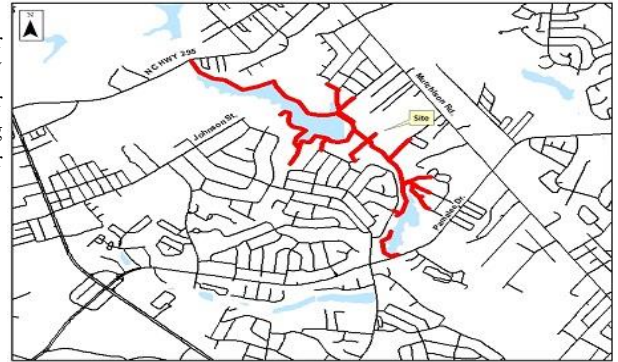
WS 84

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement
PROJECT TITLE			High	Expansion
Sewer Main Rehab - Mintz Pond and Kornbow Lake			Medium	New
			Low	Renovation
BID DATE	10/15/2022		BUDGET CODE	
START CONSTRUCTION DATE	2/15/2023		CPR1000452	
EXPECTED COMPLETION DATE	12/15/2023			

PROJECT DESCRIPTION & JUSTIFICATION

This project will line approximately 15,000 LF of 8, 12, 15, and 18-inch sewer mains within the Mintz Pond - Kornbow Lake watershed area. Recent CCTV inspections have indicated serious defects within many sections of the sewer mains. These mains are within PWC's Watershed area and completing rehabilitation will ensure their integrity and minimize the risk of a sanitary sewer overflow.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	400,000	700,000	-	-	-	1,100,000
Equipment	-	-	-	-	-	-	-
Personnel	-	10,000	10,000	-	-	-	20,000
Other	-	-	-	-	-	-	-
Total	-	410,000	710,000	-	-	-	1,120,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							5,000
Total							1,125,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	410,000	710,000	-	-	-	1,120,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	410,000	710,000	-	-	-	1,120,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 85

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	351000	Cross-Creek WRF	Score	Replacement X
PROJECT TITLE			High X	Expansion
Cross Creek WRF Reliability Improvements			Medium	New
			Low	Renovation X
BID DATE	6/1/2024		BUDGET CODE	
START CONSTRUCTION DATE	10/1/2024		CPR1000454	
EXPECTED COMPLETION DATE	6/1/2026			

PROJECT DESCRIPTION & JUSTIFICATION

This project will address reliability of the Cross Creek WRF by implementing improvements to both the liquid and residual treatment processes. Existing equipment that is approaching the end of its useful life will be replaced. The project will not expand treatment capacity.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	500,000	725,000	674,000	551,000	-	2,450,000
Construction	-	-	-	9,625,000	7,875,000	-	17,500,000
Equipment	-	-	-	-	-	-	-
Personnel	-	10,000	15,000	15,000	15,000	-	55,000
Other	-	-	-	-	-	-	-
Total	-	510,000	740,000	10,314,000	8,441,000	-	20,005,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							20,005,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	510,000	-	-	-	-	510,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	740,000	10,314,000	8,441,000	-	19,495,000
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	510,000	740,000	10,314,000	8,441,000	-	20,005,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 86

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	351000	Cross-Creek WRF	Score	Replacement X
PROJECT TITLE			High X	Expansion
Replace Standby Power Generator at the Cross Creek WRF			Medium	New
			Low	Renovation
BID DATE	10/15/2021		BUDGET CODE	
START CONSTRUCTION DATE	12/14/2021		CPR1000455	
EXPECTED COMPLETION DATE	6/12/2022			

PROJECT DESCRIPTION & JUSTIFICATION

The existing standby power generator at the Rockfish Creek WRF, installed circa 2006, is reaching the end of its useful life. This project will replace that equipment with a new standby power generator and switchgear complete with Tier 4 engines that will allow for "peak shaving" operation. Engineering for preparation of "design / build" construction documents for soliciting bids and project construction will be completed in FY22.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	75,000	-	-	-	-	-	75,000
Construction	-	-	-	-	-	-	-
Equipment	3,200,000	-	-	-	-	-	3,200,000
Personnel	20,000	-	-	-	-	-	20,000
Other	-	-	-	-	-	-	-
Total	3,295,000	-	-	-	-	-	3,295,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							3,295,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	3,295,000	-	-	-	-	-	3,295,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	3,295,000	-	-	-	-	-	3,295,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 87

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	351000	Cross-Creek WRF	Score	Replacement X
PROJECT TITLE			High X	Expansion
Roof Replacement for the Thickening and Transfer Buildings at			Medium	New
Cross Creek WRF			Low	Renovation
BID DATE	12/15/2021			
START CONSTRUCTION DATE	1/15/2022			
EXPECTED COMPLETION DATE	4/15/2022			
			BUDGET CODE	
			CPR1000497	

PROJECT DESCRIPTION & JUSTIFICATION

The roofs on the thickening building and transfer buildings at the Cross Creek Water Reclamation Facility are nearing the end of their 20 year life expectancy and are in need of replacement. This project is to remove the existing roof membrane and any damaged insulation and replace it with a new thermoplastic polyolefin (TPO) roof membrane.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	35,000	-	-	-	-	-	35,000
Construction	137,000	-	-	-	-	-	137,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	172,000	-	-	-	-	-	172,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							172,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	172,000	-	-	-	-	-	172,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	172,000	-	-	-	-	-	172,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 88

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	351000	Cross-Creek WRF	Score	Replacement X
PROJECT TITLE			High X	Expansion
Cross Creek WRF Pump Station #3 Rehabilitation			Medium	New
			Low	Renovation X
BID DATE	11/17/2022			
START CONSTRUCTION DATE	2/15/2023			
EXPECTED COMPLETION DATE	10/13/2023			
			BUDGET CODE	
			CPR1000499	

PROJECT DESCRIPTION & JUSTIFICATION

Pump Station #3 at the Cross Creek WRF is in need of repairs. Assessment and preliminary engineering for rehabilitation of this facility, originally constructed circa 1972, was completed in FY20. The Technical Memorandum resulting from that work recommended replacing all five existing screw pumps and improvements to various mechanical and electrical components. Engineering design will commence in FY22 with construction to follow in FY23 and FY24.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	100,000	165,000	60,000	-	-	-	325,000
Construction	-	1,250,000	900,000	-	-	-	2,150,000
Equipment	-	-	-	-	-	-	-
Personnel	10,000	15,000	15,000	-	-	-	40,000
Other	-	-	-	-	-	-	-
Total	110,000	1,430,000	975,000	-	-	-	2,515,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							2,515,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	110,000	1,430,000	975,000	-	-	-	2,515,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	110,000	1,430,000	975,000	-	-	-	2,515,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 89

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 353500		Rockfish Creek WRF	Score	Replacement X
PROJECT TITLE			High X	Expansion
Replace Clarifier #3 Mechanism at the Rockfish Creek WRF			Medium	New
			Low	Renovation
BID DATE	2/1/2022		BUDGET CODE	
START CONSTRUCTION DATE	4/2/2022		CPR1000457	
EXPECTED COMPLETION DATE	6/1/2022			

PROJECT DESCRIPTION & JUSTIFICATION

This project will replace the existing steel mechanism in secondary clarifier #3 at the Rockfish Creek WRF. This equipment was originally installed circa 2001 and is nearing the end of its useful life.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	30,000	-	-	-	-	-	30,000
Construction	125,000	-	-	-	-	-	125,000
Equipment	250,000	-	-	-	-	-	250,000
Personnel	30,000	-	-	-	-	-	30,000
Other	-	-	-	-	-	-	-
Total	435,000	-	-	-	-	-	435,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total	435,000	-	-	-	-	-	435,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	435,000	-	-	-	-	-	435,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	435,000	-	-	-	-	-	435,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

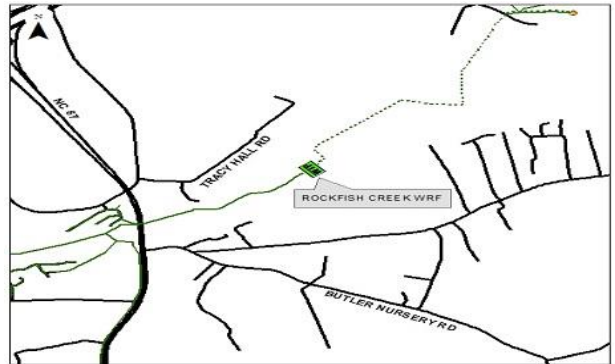
WS 90

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	353500	Rockfish Creek WRF	Score	Replacement
PROJECT TITLE			High	Expansion
Rockfish Creek WRF Expansion Phase 3			Medium	New
			Low	Renovation
BID DATE	11/15/2022			
START CONSTRUCTION DATE	2/13/2023			
EXPECTED COMPLETION DATE	2/12/2026			
			BUDGET CODE	
			CPR1000324	

PROJECT DESCRIPTION & JUSTIFICATION

The Rockfish Creek WRF is currently permitted for 21.0 MGD capacity. The current average daily flow (ADF) rate is approaching 15 MGD. Design for expansion is typically initiated when the ADF approaches 80% of the permitted treatment capacity which is 16.80 MGD. A Preliminary Engineering Report addressing the Phase 3 Expansion of the Rockfish Creek WRF was completed in FY20. Design will be initiated in FY22 with construction to follow in subsequent years.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	3,589,000	738,000	1,583,000	1,809,000	1,131,000	-	8,850,000
Construction	-	5,000,000	22,750,000	26,000,000	16,250,000	-	70,000,000
Equipment	-	-	-	-	-	-	-
Personnel	20,000	20,000	20,000	20,000	20,000	-	100,000
Other	-	-	-	-	-	-	-
Total	3,609,000	5,758,000	24,353,000	27,829,000	17,401,000	-	78,950,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							320,000
<i>FY2021 Estimate</i>							5,000
Total							79,275,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	3,609,000	5,758,000	24,353,000	27,829,000	17,401,000	-	78,950,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	3,609,000	5,758,000	24,353,000	27,829,000	17,401,000	-	78,950,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 91

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	353500	Rockfish Creek WRF	Score	Replacement X
PROJECT TITLE			High X	Expansion
Rockfish Creek WRF Screening Improvements			Medium	New
			Low	Renovation
BID DATE	10/21/2021		BUDGET CODE	
START CONSTRUCTION DATE	1/19/2022		CPR1000329	
EXPECTED COMPLETION DATE	1/14/2023			

PROJECT DESCRIPTION & JUSTIFICATION

Existing fine screens at the RCWRF headworks facilities are located immediately downstream from the Influent Pump Station screw pumps. This equipment requires excessive maintenance and downtime. The extreme wear has accelerated the useful life of this equipment. This project will replace the existing fine screens with equipment better suited for this rigorous application. Since beginning work on the project Preliminary Engineering Report (PER), the scope of work has been expanded to include Grit Chamber improvements, replacement of two chemical storage tanks in the disinfection facility and replacement of distribution piping and diffusers in Sludge Holding Tank #3. Project bidding will be deferred until FY22 with construction scheduled for FY22 and FY23.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	75,000	75,000	-	-	-	-	150,000
Construction	1,400,000	1,800,000	-	-	-	-	3,200,000
Equipment	-	-	-	-	-	-	-
Personnel	10,000	10,000	-	-	-	-	20,000
Other	-	-	-	-	-	-	-
Total	1,485,000	1,885,000	-	-	-	-	3,370,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							228,000
<i>FY2021 Estimate</i>							135,000
Total							3,733,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	1,485,000	1,885,000	-	-	-	-	3,370,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	1,485,000	1,885,000	-	-	-	-	3,370,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(25,000)	(50,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(25,000)	(50,000)

*Priority Score:

High Med Low

WS 92

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	353500	Rockfish Creek WRF	Score	Replacement X
PROJECT TITLE			High X	Expansion
Replace Rockfish Creek WRF IPS Screw Pumps #1 and #2			Medium	New
			Low	Renovation
BID DATE	11/15/2022		BUDGET CODE	
START CONSTRUCTION DATE	2/13/2023		CPR1000459	
EXPECTED COMPLETION DATE	5/14/2023			

PROJECT DESCRIPTION & JUSTIFICATION

There are four (4) screw pumps at the Rockfish Creek Influent Pump Station that were installed circa 2005. All four are approaching the end of their useful life due largely to the corrosive wastewater environment typical of the facility headworks. This project will remove and replace Screw Pumps #1 and #2. Procurement will commence in FY22 with construction in FY23.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	15,000	-	-	-	-	15,000
Construction	-	310,000	-	-	-	-	310,000
Equipment	-	600,000	-	-	-	-	600,000
Personnel	15,000	15,000	-	-	-	-	30,000
Other	-	-	-	-	-	-	-
Total	15,000	940,000	-	-	-	-	955,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							955,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	15,000	940,000	-	-	-	-	955,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	15,000	940,000	-	-	-	-	955,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



WS 93

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	353500	Rockfish Creek WRF	Score	Replacement X
PROJECT TITLE			High X	Expansion
Replace Rockfish Creek WRF IPS Screw Pumps #3 and #4			Medium	New
			Low	Renovation
BID DATE	11/15/2023			
START CONSTRUCTION DATE	2/13/2024			
EXPECTED COMPLETION DATE	5/13/2024			
			BUDGET CODE	
			CPR1000460	

PROJECT DESCRIPTION & JUSTIFICATION

There are four (4) screw pumps at the Rockfish Creek Influent Pump Station that were installed circa 2005. All four are approaching the end of their useful life due largely to the corrosive wastewater environment typical of the facility headworks. This project will remove and replace Screw Pumps #3 and #4. Procurement will commence in FY23 with construction in FY24.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	15,000	-	-	-	15,000
Construction	-	-	310,000	-	-	-	310,000
Equipment	-	-	600,000	-	-	-	600,000
Personnel	-	15,000	15,000	-	-	-	30,000
Other	-	-	-	-	-	-	-
Total	-	15,000	940,000	-	-	-	955,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							955,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	15,000	940,000	-	-	-	955,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	15,000	940,000	-	-	-	955,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 94

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	353500	Rockfish Creek WRF	Score	Replacement X
PROJECT TITLE			High X	Expansion
Replace Standby Power Generator at the Rockfish Creek WRF			Medium	New
			Low	Renovation
BID DATE	10/29/2020		BUDGET CODE	
START CONSTRUCTION DATE	5/15/2021		CPR1000481	
EXPECTED COMPLETION DATE	1/10/2022			

PROJECT DESCRIPTION & JUSTIFICATION

The existing standby power generator at the Rockfish Creek WRF installed circa 2006 failed in FY20. This project will replace that equipment with a new standby power generator and switchgear complete with Tier 4 engines that will allow for future "peak shaving" operation. The project was engineered in FY20 and early FY21. A single bid was received in October 2020 that exceeded the budgeted amount. Hence, the project is being re-engineered for a potential re-bid in the first quarter of 2021. Most of the construction will take place in FY22.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	25,000	-	-	-	-	-	25,000
Construction	3,000,000	-	-	-	-	-	3,000,000
Equipment	-	-	-	-	-	-	-
Personnel	15,000	-	-	-	-	-	15,000
Other	-	-	-	-	-	-	-
Total	3,040,000	-	-	-	-	-	3,040,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							27,000
<i>FY2021 Estimate</i>							115,000
Total							3,182,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	3,040,000	-	-	-	-	-	3,040,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	3,040,000	-	-	-	-	-	3,040,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 95

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High	Expansion X
Utility Improvements for City of Fayetteville Storm Drainage			Medium X	New X
Improvements - Sewer			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000141	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

The City of Fayetteville is planning various storm drainage improvement projects throughout the City during the upcoming years. These projects will impact areas containing PWC sewer utilities. PWC staff and City staff coordinate the planning and design of these projects and work to avoid conflicts where possible. Where these conflicts are unavoidable, the City incorporates the necessary utility adjustments into their contracts and the associated costs are paid by PWC. There are situations where PWC determines that, due to aging infrastructure or operational issues, utility improvements are necessary. These improvements are the financial responsibility of PWC as well. See WS 29 - CPR1000096 for the water portion of this project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	10,000	10,000	10,000	10,000	10,000	50,000	100,000
Construction	180,000	180,000	180,000	180,000	180,000	900,000	1,800,000
Equipment	-	-	-	-	-	-	-
Personnel	50,000	50,000	50,000	50,000	50,000	250,000	500,000
Other	-	-	-	-	-	-	-
Total	240,000	240,000	240,000	240,000	240,000	1,200,000	2,400,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							83,000
<i>FY2021 Estimate</i>							115,000
Total							2,598,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	240,000	240,000	240,000	240,000	240,000	1,200,000	2,400,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	240,000	240,000	240,000	240,000	240,000	1,200,000	2,400,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

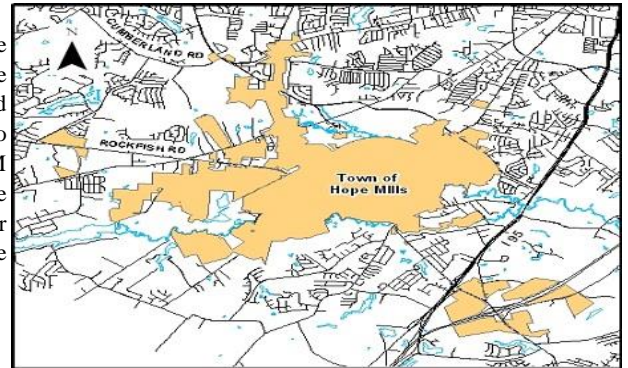
WS 96

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High	Expansion X
Utility Improvements for the Town of Hope Mills Stormwater			Medium X	New
Projects - Sewer			Low	Renovation X
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000155	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

The Town of Hope Mills (TOHM) is planning various storm drainage improvements throughout PWC's service area in the upcoming years. These projects will impact areas containing PWC sanitary sewer utilities. PWC and TOHM staff coordinate the planning and design of these projects and work to avoid conflicts where possible. Where conflicts are unavoidable, the TOHM incorporates the necessary utility adjustments into their contracts and pays the costs. In situations where PWC determines that, due to aging infrastructure or operational issues, utility improvements are necessary, PWC pays the cost. See WS 30 - CPR1000105 for the water portion of this project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	20,000	20,000	20,000	20,000	20,000	100,000	200,000
Equipment	-	-	-	-	-	-	-
Personnel	5,000	5,000	5,000	5,000	5,000	25,000	50,000
Other	-	-	-	-	-	-	-
Total	25,000	25,000	25,000	25,000	25,000	125,000	250,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							90,000
<i>FY2021 Estimate</i>							2,000
Total							342,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	25,000	25,000	25,000	25,000	25,000	125,000	250,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	25,000	25,000	25,000	25,000	25,000	125,000	250,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 97

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High	Expansion X
Utility Improvements for NCDOT Resurfacing and Stormwater			Medium X	New
Projects - Sewer Mains			Low	Renovation X
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000154	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

The NCDOT is planning various storm drainage and road improvements throughout PWC's service area in the upcoming years. These projects will impact areas containing PWC sanitary sewer utilities. PWC and NCDOT staff coordinate the planning and design of these projects and work to avoid conflicts where possible. Where conflicts are unavoidable, NCDOT incorporates the necessary utility adjustments into their contracts. See WS 31 - CPR1000104 for the water portion of this project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	7,000	7,000	7,000	7,000	7,000	35,000	70,000
Equipment	-	-	-	-	-	-	-
Personnel	3,000	3,000	3,000	3,000	3,000	15,000	30,000
Other	-	-	-	-	-	-	-
Total	10,000	10,000	10,000	10,000	10,000	50,000	100,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							4,000
<i>FY2021 Estimate</i>							2,000
Total							106,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	10,000	10,000	10,000	10,000	10,000	50,000	100,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	10,000	10,000	10,000	10,000	10,000	50,000	100,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



WS 98

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High X	Expansion
NCDOT U-6073 Fisher Rd. from Strickland Bridge Rd. to NC162			Medium	New
Bingham Dr. (Sewer)			Low	Renovation
BID DATE		10/20/2027	BUDGET CODE	
START CONSTRUCTION DATE		12/17/2027	CPR1000380	
EXPECTED COMPLETION DATE		6/30/2029		

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to widen Fisher Road from Strickland Bridge Road to NC 162. There are various water and sewer mains throughout the project corridor. These lines may be in conflict with NCDOT's proposed facilities and may be relocated. NCDOT plans to go to ROW in FY25 and start construction in FY28. See WS 34 – CPR 1000372 for the water portion of this NCDOT project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	43,000	30,000	-	73,000
Engineering	-	-	63,000	40,000	34,000	20,000	157,000
Construction	-	-	-	-	-	449,000	449,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	5,000	5,000	5,000	25,000	40,000
Other	-	-	-	-	-	-	-
Total	-	-	68,000	88,000	69,000	494,000	719,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							719,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	68,000	88,000	69,000	45,000	270,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	449,000	449,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	68,000	88,000	69,000	494,000	719,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 99

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High X	Expansion
NCDOT U-2519B A/BB Fayetteville Outer Loop from South of US			Medium	New X
401 to South of Strickland Bridge Road (SR 1104) - Sewer			Low	Renovation
BID DATE	10/15/2022			
START CONSTRUCTION DATE	12/15/2022			
EXPECTED COMPLETION DATE	3/15/2024			
			BUDGET CODE	
			CPR1000350	

PROJECT DESCRIPTION & JUSTIFICATION

This project will extend gravity sanitary sewer to serve a portion of Phase V Annexation Construction Area 32 that is affected by the proposed Fayetteville Outer Loop corridor. A portion of the sanitary sewer main for the Big Rockfish Outfall Project will also be installed as part of this project. Construction is expected to begin in FY22 and be completed in FY24. An agreement with NCDOT is not in place at this time. However, billing is expected upon completion of all highway work and to be made in one final payment. Total construction cost is estimated at \$751,000. See WS 36 - CPR1000348 for the water portion of this project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	751,000	-	-	-	751,000
Equipment	-	-	-	-	-	-	-
Personnel	10,000	5,000	2,000	-	-	-	17,000
Other	-	-	-	-	-	-	-
Total	10,000	5,000	753,000	-	-	-	768,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							10,000
<i>FY2021 Estimate</i>							10,000
Total							788,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	10,000	5,000	2,000	-	-	-	17,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	19,000	-	-	-	19,000
NC State Loan Fund	-	-	315,000	-	-	-	315,000
Annex V Reserve	-	-	417,000	-	-	-	417,000
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	10,000	5,000	753,000	-	-	-	768,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

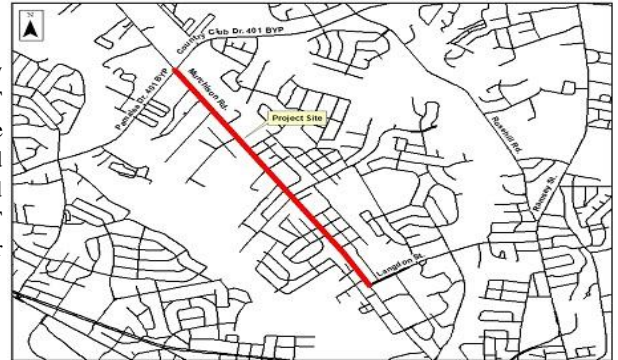
WS 100

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High	Expansion
NCDOT U-5015 Murchison Road (Langdon St to US 401) - Sewer			Medium X	New
			Low	Renovation
BID DATE	4/15/2030		BUDGET CODE	
START CONSTRUCTION DATE	7/15/2030		CPR1000496	
EXPECTED COMPLETION DATE	7/15/2033			

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to widen Murchison Road from Langdon Street to the US 401 Bypass. There are various sanitary sewer mains in this corridor. These lines may be in conflict with NCDOT's proposed facilities and may be relocated. NCDOT plans to go to ROW in FY2029. The construction start date is anticipated to be FY2030 or beyond. PWC has estimated 80% of the sewer lines will be relocated as part of this project. Construction of the utility improvements will be included in the NCDOT Construction contract. Reimbursement for this work to NCDOT will be made at the end of the project. See WS 37 - CPR1000495 for the water portion of this NCDOT project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	150,000	150,000
Construction	-	-	-	-	-	-	-
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	10,000	30,000	40,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	10,000	180,000	190,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							
<i>FY2021 Estimate</i>							-
Total							190,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	10,000	180,000	190,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	10,000	180,000	190,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 101

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High	Expansion
NCDOT U-4900 Murchison Road Widening - Sewer			Medium	New
			Low	Renovation
BID DATE	5/21/2024			
START CONSTRUCTION DATE	7/21/2024			
EXPECTED COMPLETION DATE	7/21/2027			
			BUDGET CODE	
			CPR1000314	

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to widen Murchison Road from the I-295 Fayetteville Outer Loop to the US 401 Bypass. There are various smaller diameter gravity sewer mains in this corridor. These lines may be in conflict with NCDOT's proposed facilities and may need to be relocated. NCDOT plans to go to ROW in May 2022 and to start construction in 2024. PWC has estimated 70% of the sewer lines will be relocated as part of this project. Construction of the utility improvements will be included in the NCDOT Construction contract. Reimbursement for this work to NCDOT will be made at the end of the project. See WS 38 - CPR1000306 for the water portion of this NCDOT project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	25,000	25,000	-	-	-	50,000
Engineering	50,000	50,000	50,000	25,000	25,000	25,000	225,000
Construction	-	-	-	-	2,100,000	-	2,100,000
Equipment	-	-	-	-	-	-	-
Personnel	10,000	10,000	10,000	10,000	10,000	10,000	60,000
Other	-	-	-	-	-	-	-
Total	60,000	85,000	85,000	35,000	2,135,000	35,000	2,435,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							64,000
<i>FY2021 Estimate</i>							16,000
Total							2,515,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	60,000	85,000	85,000	35,000	35,000	35,000	335,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	2,100,000	-	2,100,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	60,000	85,000	85,000	35,000	2,135,000	35,000	2,435,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

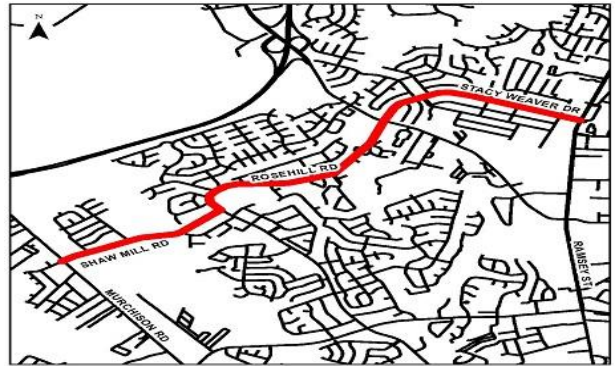
WS 102

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High	Expansion
NCDOT U-5101(A) Shaw Rd Widening - Sewer			Medium	New
BID DATE			Low	Renovation
START CONSTRUCTION DATE			BUDGET CODE	
EXPECTED COMPLETION DATE			CPR1000315	

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to widen Shaw Road Shaw Mill Road (SR1614) from Bragg Blvd. to Murchison Road. There are 16", 8" and 6" water mains and 8" gravity sewer throughout the project corridor. These lines may be in conflict with NCDOT's proposed facilities and may be relocated. NCDOT plans to go to ROW in FY22 and to start construction in 2025. See WS 39 - CPR1000307 for the water portion of this NCDOT project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	25,000	25,000	-	-	-	-	50,000
Engineering	150,000	50,000	20,000	20,000	20,000	-	260,000
Construction	-	-	-	-	400,000	-	400,000
Equipment	5,000	5,000	5,000	5,000	5,000	-	25,000
Personnel	15,000	5,000	5,000	10,000	10,000	-	45,000
Other	25,000	10,000	10,000	50,000	-	-	95,000
Total	220,000	95,000	40,000	85,000	435,000	-	875,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							
<i>FY2021 Estimate</i>							
Total							875,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	220,000	95,000	40,000	85,000	35,000	-	475,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	400,000	-	400,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	220,000	95,000	40,000	85,000	435,000	-	875,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

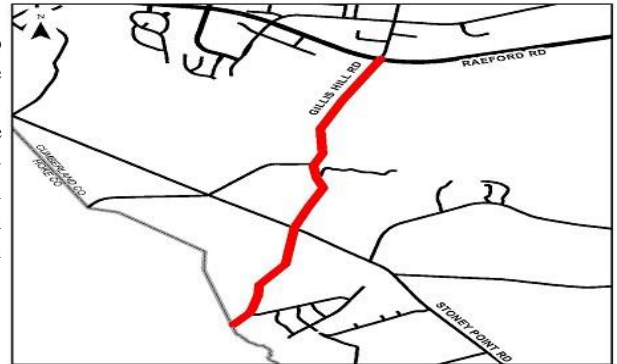
WS 103

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION 341500		Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High X	Expansion
DOTR U-5798 A - Gillis Hill Rd Widening - Sewer			Medium	New
			Low	Renovation
BID DATE	3/15/2022		BUDGET CODE	
START CONSTRUCTION DATE	5/15/2022		CPR1000316	
EXPECTED COMPLETION DATE	5/15/2025			

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to widen Gillis Hill Road from US HWY 401 Raeford Road to Lindsey Road in Hoke County. There is a 16" water main serving the Hoke County Water Booster Pump Station and gravity sewer mains in this corridor. These lines may be in conflict with NCDOT's proposed facilities and may be relocated. NCDOT is proposing to replace the bridge and approximately 6,000-LF of road widening in the first phase of the project which includes the section from Raeford Road to Stoney Point Road. Scheduled let date is March 2022 with construction starting in FY2022. See WS 40 - CPR1000308 for the water portion of this project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	20,000	15,000	5,000	-	-	-	40,000
Construction	-	725,000	-	-	-	-	725,000
Equipment	-	-	-	-	-	-	-
Personnel	10,000	5,000	5,000	5,000	-	-	25,000
Other	-	-	-	-	-	-	-
Total	30,000	745,000	10,000	5,000	-	-	790,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							27,000
<i>FY2021 Estimate</i>							18,000
Total							835,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	30,000	20,000	10,000	5,000	-	-	65,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	725,000	-	-	-	-	725,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	30,000	745,000	10,000	5,000	-	-	790,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

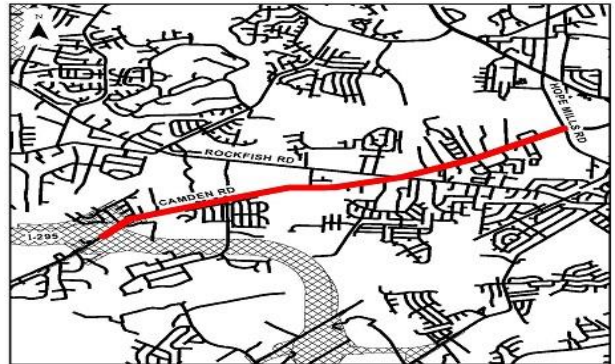
WS 104

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High X	Expansion
NCDOT U-3422 Camden Rd Widening - Sewer			Medium	New
			Low	Renovation
BID DATE	10/17/2023		BUDGET CODE	
START CONSTRUCTION DATE	1/15/2024		CPR1000317	
EXPECTED COMPLETION DATE	1/15/2027			

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to widen Camden Road from NC 59 to the new I-295 Fayetteville Outer Loop. There are some intermittent small diameter sewer mains in this corridor. These lines will be in conflict with NCDOT's proposed facilities and will need to be relocated. NCDOT plans to go to ROW in August 2021 and start construction in FY2024. PWC has estimated 100% of the sewer lines will be relocated as part of this project. Construction of the utility improvements will be included in the NCDOT construction contract. Reimbursement for this work to NCDOT will be made at the end of the project. See WS 42 - CPR1000309 for the water portion of this NCDOT project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	50,000	50,000	-	-	-	-	100,000
Engineering	30,000	30,000	30,000	50,000	50,000	25,000	215,000
Construction	-	-	-	-	200,000	-	200,000
Equipment	-	-	-	-	-	-	-
Personnel	10,000	10,000	10,000	10,000	10,000	10,000	60,000
Other	-	-	-	-	-	-	-
Total	90,000	90,000	40,000	60,000	260,000	35,000	575,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							21,000
<i>FY2021 Estimate</i>							10,000
Total							606,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	90,000	90,000	40,000	60,000	60,000	35,000	375,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	200,000	-	200,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	90,000	90,000	40,000	60,000	260,000	35,000	575,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

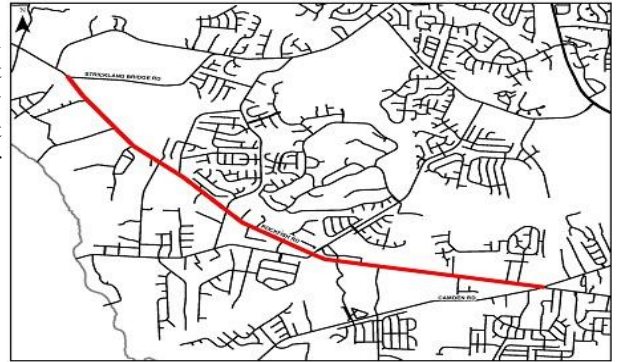
WS 105

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High X	Expansion
NCDOT U-6072A SR1112 (Rockfish Rd) from Strickland Bridge Rd. to Camden Rd. (Sewer)			Medium	New
BID DATE			Low	Renovation
START CONSTRUCTION DATE			BUDGET CODE	
EXPECTED COMPLETION DATE			CPR1000379	

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to widen Rockfish Road from Strickland Bridge Road to Camden Road. There is an existing 16-inch water main running the length of the project corridor. This line may be in conflict with NCDOT's proposed facilities and may be needed to be relocated. NCDOT plans to go to ROW in FY28, and to start construction beyond the current TIP. See WS 33 - CPR1000371 for the water portion of this NCDOT project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	10,000	10,000
Engineering	-	-	-	-	-	74,000	74,000
Construction	-	-	-	-	-	-	-
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	11,000	11,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	95,000	95,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							95,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	95,000	95,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	95,000	95,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



WS 106

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High X	Expansion
NCDOT U-4405 Raeford Rd Median Improv, Hampton Oaks Drive to Fairway Drive			Medium	New
BID DATE			Low	Renovation X
START CONSTRUCTION DATE			BUDGET CODE	
EXPECTED COMPLETION DATE			CPR1000268	

PROJECT DESCRIPTION & JUSTIFICATION

This project will relocate water mains as necessary to eliminate conflicts with the proposed NCDOT roadway construction. The new roadway work will be from Hampton Oaks Drive to Fairway Drive along Raeford Road. Construction of the utility improvements will be included in the NCDOT construction contracts. NCDOT has decided to separate the project in three (3) phases. Reimbursement for this work to NCDOT will be made at the end of the individual phases. Completion of Phase 3 is anticipated to occur in FY2028. This project also includes the Buckhead Creek Sewer Relocation, which will be completed in FY2022 and constructed separately from the NCDOT project. See WS 35 CPR1000267 for the water portion of this project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	30,000	-	-	-	-	-	30,000
Engineering	110,000	65,000	45,000	45,000	30,000	50,000	345,000
Construction	1,280,000	-	200,000	-	1,150,000	6,700,000	9,330,000
Equipment	-	-	-	-	-	-	-
Personnel	30,000	30,000	30,000	40,000	30,000	50,000	210,000
Other	-	-	-	-	-	-	-
Total	1,450,000	95,000	275,000	85,000	1,210,000	6,800,000	9,915,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							378,000
<i>FY2021 Estimate</i>							148,000
Total							10,441,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	1,450,000	95,000	75,000	85,000	60,000	100,000	1,865,000
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	200,000	-	1,150,000	6,700,000	8,050,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	1,450,000	95,000	275,000	85,000	1,210,000	6,800,000	9,915,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 107

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High X	Expansion
NCDOT U-4709 Rockfish Road, Golfview Drive to NC 59 - Sewer			Medium	New X
			Low	Renovation
BID DATE	5/17/2022		BUDGET CODE	
START CONSTRUCTION DATE	7/17/2022		CPR1000398	
EXPECTED COMPLETION DATE	7/31/2025			

PROJECT DESCRIPTION & JUSTIFICATION

This project will relocate approximately 2,000 linear feet of existing 8-inch sewer mains in conflict with NCDOT's roadway improvements for Rockfish Road, between Golfview Drive and NC 59. Construction is anticipated to begin in FY23 and be completed in FY2026. An agreement with NCDOT is not in place at this time. However, billing is expected upon completion of all road work and is anticipated to be made in one final payment. See WS 44 - CPR1000399 for the water portion of this project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	10,000	5,000	5,000	5,000	5,000	-	30,000
Construction	-	-	-	825,000	-	-	825,000
Equipment	-	-	-	-	-	-	-
Personnel	5,000	5,000	5,000	5,000	5,000	-	25,000
Other	-	10,000	10,000	5,000	-	-	25,000
Total	15,000	20,000	20,000	840,000	10,000	-	905,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							7,000
<i>FY2021 Estimate</i>							10,000
Total							922,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	15,000	20,000	20,000	15,000	10,000	-	80,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	825,000	-	-	825,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	15,000	20,000	20,000	840,000	10,000	-	905,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 108

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High	Expansion
NCDOT U-4403(B) Ramsey Street Widening - Sewer			Medium	New
BID DATE			Low	Renovation
START CONSTRUCTION DATE			BUDGET CODE	
EXPECTED COMPLETION DATE			CPR1000312	

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to widen Ramsey Street from Slocumb Road to Grove Street. This phase of the project is between US 401 Business (MLK Freeway) to US 401 Bypass. PWC has extensive water and sewer facilities in this corridor. These lines may be in conflict with NCDOT's proposed facilities and may be relocated. PWC has estimated that 80% of the sewer mains will need to be replaced. NCDOT plans to start ROW acquisition in FY2026, and it is anticipated that construction will start in FY2029. It is anticipated that NCDOT will bill PWC for the utility work upon completion of the project. See WS 45 - CPR1000293 for the water portion of this NCDOT project



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	100,000	100,000	-	200,000
Engineering	50,000	50,000	150,000	150,000	100,000	425,000	925,000
Construction	-	-	-	-	-	3,200,000	3,200,000
Equipment	-	-	-	-	-	-	-
Personnel	10,000	10,000	20,000	20,000	20,000	100,000	180,000
Other	-	-	-	-	-	-	-
Total	60,000	60,000	170,000	270,000	220,000	3,725,000	4,505,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							524,000
<i>FY2021 Estimate</i>							9,000
Total							5,038,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	60,000	60,000	170,000	270,000	220,000	525,000	1,305,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	3,200,000	3,200,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	60,000	60,000	170,000	270,000	220,000	3,725,000	4,505,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

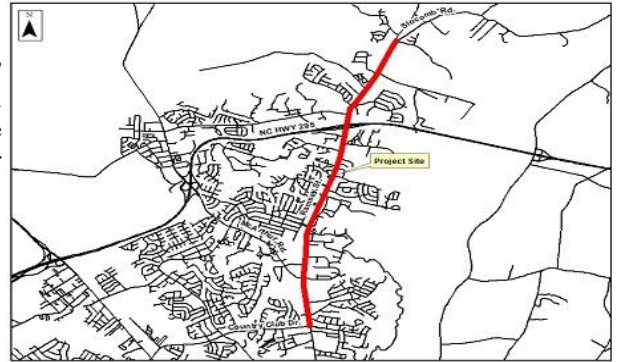
WS 109

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High X	Expansion
NCDOT U-4403(C) Ramsey Street Widening - Sewer			Medium	New
			Low	Renovation
BID DATE	10/1/2028		BUDGET CODE	
START CONSTRUCTION DATE	1/15/2029		CPR1000487	
EXPECTED COMPLETION DATE	1/15/2032			

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to widen Ramsey Street from Slocumb Road to Grove Street. This phase of the project is from US 401 Bypass to Slocumb Road. NCDOT plans to go to ROW acquisition in FY2025, with an anticipated bid date in FY2029. PWC has estimated that 80% of the sewer mains will need to be replaced as a result of this project. See WS 46 - CPR1000485 for the sewer portion of this NCDOT project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	100,000	100,000	-	-	-	200,000
Engineering	50,000	50,000	150,000	150,000	150,000	600,000	1,150,000
Construction	-	-	-	-	-	3,200,000	3,200,000
Equipment	-	-	-	-	-	-	-
Personnel	10,000	10,000	20,000	20,000	20,000	100,000	180,000
Other	-	-	-	-	-	-	-
Total	60,000	160,000	270,000	170,000	170,000	3,900,000	4,730,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							9,000
Total							4,739,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	60,000	160,000	270,000	170,000	170,000	700,000	1,530,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	3,200,000	3,200,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	60,000	160,000	270,000	170,000	170,000	3,900,000	4,730,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

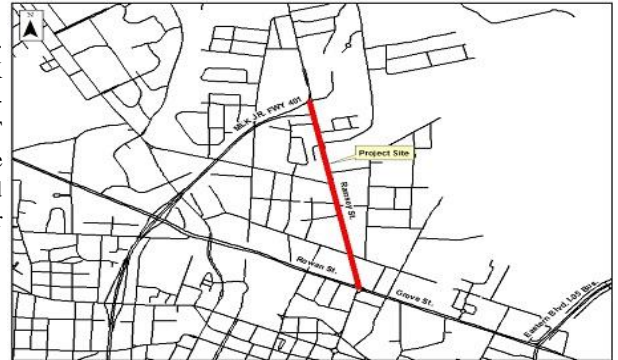
WS 110

Water Resources

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
WATER ADMINISTRATION	341500	Sanitary Sewer Collection	Score	Replacement X
PROJECT TITLE			High	Expansion
NCDOT U-4403(A) Ramsey Street Widening - Sewer			Medium X	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000488	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to widen Ramsey Street from Slocumb Road to Grove Street. This phase of the project is from Grove Street to US 401 Business (MLK Freeway). This phase of the project is currently outside of NCDOT's current 10-year Transportation Improvement Program (TIP). It is anticipated that NCDOT will begin ROW acquisition in FY2031. PWC has estimated that 80% of the sewer mains will need to be replaced as a result of this project. The anticipated construction cost is \$1,700,000. See WS 47 - CPR1000486 for the sewer portion of this NCDOT project.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	50,000	50,000
Construction	-	-	-	-	-	-	-
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	20,000	20,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	70,000	70,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							70,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	70,000	70,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT Reserve-W/WW	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	70,000	70,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 111

PUBLIC WORKS COMMISSION

FY 2022

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Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 366000		Electric Distribution System	Score	Replacement
PROJECT TITLE			High	Expansion
Underground Distribution Infrastructure Installations – New			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000009	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

This ongoing project is to modify and extend the distribution system primary facilities to accommodate planned urban development requiring underground utilities. This project will install conduit, sectionalizing, primary cable, secondary, services, street lights, and transformation equipment as required to meet the development's plan for electric utility connectivity. This effort is being performed in conjunction with the City of Fayetteville's Unified Development Ordinance.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	725,000	775,000	800,000	825,000	850,000	4,625,000	8,600,000
Equipment	725,000	775,000	800,000	825,000	850,000	4,625,000	8,600,000
Personnel	150,000	150,000	150,000	150,000	150,000	750,000	1,500,000
Other	-	-	-	-	-	-	-
Total	1,600,000	1,700,000	1,750,000	1,800,000	1,850,000	10,000,000	18,700,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							1,976,000
<i>FY2021 Estimate</i>							1,494,000
Total							22,170,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	1,600,000	1,700,000	1,750,000	1,800,000	1,850,000	10,000,000	18,700,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	1,600,000	1,700,000	1,750,000	1,800,000	1,850,000	10,000,000	18,700,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	15,000	17,500	20,000	22,500	25,000	162,500	262,500
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	15,000	17,500	20,000	22,500	25,000	162,500	262,500

*Priority Score:

High Med Low

EL 1

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 365000		Electric Distribution System	Score	Replacement
PROJECT TITLE			High	Expansion
Overhead Infrastructure Installation - New			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000010	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to modify and extend overhead distribution system and service facilities to accommodate and serve new customers and to serve the increased needs of existing customers. New and existing customers in overhead service areas will require connections to the distribution system or improvements in their existing service connections to serve increased electrical loads.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	12,500	12,500	12,500	12,500	12,500	62,500	125,000
Personnel	12,500	12,500	12,500	12,500	12,500	62,500	125,000
Other	-	-	-	-	-	-	-
Total	25,000	25,000	25,000	25,000	25,000	125,000	250,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							34,000
<i>FY2021 Estimate</i>							24,000
Total							308,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	25,000	25,000	25,000	25,000	25,000	125,000	250,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	25,000	25,000	25,000	25,000	25,000	125,000	250,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	500	500	500	500	500	2,500	5,000
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	500	500	500	500	500	2,500	5,000

*Priority Score:



EL 2

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 371000		Electric Distribution System	Score	Replacement
PROJECT TITLE			High	Expansion
LED Area Lights - New Installations			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000011	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

This project contains funds for the installation of poles, conductors, LED fixtures, and other hardware needed to provide dusk-to-dawn lighting service. This service is offered under Commission-approved rates and regulations and is available for installation. The installation of this infrastructure is at the customer's request and provides for security lighting at residences, high-density dwellings, and at commercial facilities.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	125,000	125,000	125,000	125,000	125,000	625,000	1,250,000
Personnel	100,000	100,000	100,000	100,000	100,000	500,000	1,000,000
Other	-	-	-	-	-	-	-
Total	225,000	225,000	225,000	225,000	225,000	1,125,000	2,250,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							368,000
<i>FY2021 Estimate</i>							220,000
Total							2,838,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	225,000	225,000	225,000	225,000	225,000	1,125,000	2,250,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	225,000	225,000	225,000	225,000	225,000	1,125,000	2,250,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	2,500	2,500	2,500	2,500	2,500	12,500	25,000
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	2,500	2,500	2,500	2,500	2,500	12,500	25,000

*Priority Score:



EL 3

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 368000		Electric Distribution System	Score	Replacement
PROJECT TITLE			High	Expansion
Padmount Transformers			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000013	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

This project includes the purchase of single phase 7.2 kV x 14.4 kV pad mounted distribution transformers from 25 kVA through 167 kVA and three phase 12 x 25 and 25 kV pad mounted and vault transformers from 150 to 2500 kVA. Underground distribution transformers will continue to be purchased to serve new loads, replace failed transformers, provide increased capacity where needed, and facilitate conversion of primary voltage to customer's utilization voltage. It is anticipated that the Department of Energy will be enforcing higher efficiency standards that will have a direct impact on the first cost of these units.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	1,100,000	1,150,000	1,200,000	1,250,000	1,300,000	7,250,000	13,250,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	1,100,000	1,150,000	1,200,000	1,250,000	1,300,000	7,250,000	13,250,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							1,054,000
<i>FY2021 Estimate</i>							1,000,000
Total							15,304,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	1,100,000	1,150,000	1,200,000	1,250,000	1,300,000	7,250,000	13,250,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	1,100,000	1,150,000	1,200,000	1,250,000	1,300,000	7,250,000	13,250,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	(25,000)	(2,500)	(25,000)	(25,000)	(25,000)	(125,000)	(227,500)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	(25,000)	(2,500)	(25,000)	(25,000)	(25,000)	(125,000)	(227,500)

*Priority Score:

High Med Low

EL 4

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 368000		Electric Distribution System	Score	Replacement
PROJECT TITLE			High	Expansion
Overhead Transformers			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000014	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to purchase single phase 7.2 kV, 13.2 kV, and 14.4 kV pole and platform mounted distribution transformers from 10 kVA through 333 kVA. Overhead distribution transformers will continue to be purchased to serve new loads, replace failed transformers, provide increased capacity where needed, and facilitate conversion of primary voltage to customer's utilization voltage. It is anticipated that the Department of Energy will be enforcing higher efficiency standards that will have a direct impact on the first cost of these units.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	400,000	400,000	400,000	400,000	400,000	2,000,000	4,000,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	400,000	400,000	400,000	400,000	400,000	2,000,000	4,000,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							368,000
<i>FY2021 Estimate</i>							395,000
Total							4,763,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	400,000	400,000	400,000	400,000	400,000	2,000,000	4,000,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	400,000	400,000	400,000	400,000	400,000	2,000,000	4,000,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(50,000)	(100,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(50,000)	(100,000)

*Priority Score:

High Med Low

EL 5

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 366000		Electric Distribution System	Score	Replacement X
PROJECT TITLE			High X	Expansion
Underground Infrastructure Replacement - Residential			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000015	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

This ongoing project replaces existing direct-buried solid dielectric primary cable system in residential subdivisions with high incidences of primary cable failures. This project will install new primary cable, conduit as needed, add sectionalizing as needed, replace subsurface transformers as needed and complete related work as required. The cable system will be installed using open trench where practical and using directional boring where needed.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	1,150,000	1,275,000	1,400,000	1,525,000	1,650,000	10,125,000	17,125,000
Equipment	1,150,000	1,275,000	1,400,000	1,525,000	1,650,000	10,125,000	17,125,000
Personnel	200,000	200,000	200,000	200,000	200,000	1,000,000	2,000,000
Other	-	-	-	-	-	-	-
Total	2,500,000	2,750,000	3,000,000	3,250,000	3,500,000	21,250,000	36,250,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							1,081,000
<i>FY2021 Estimate</i>							2,000,000
Total							39,331,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	2,500,000	2,750,000	3,000,000	3,250,000	3,500,000	21,250,000	36,250,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	2,500,000	2,750,000	3,000,000	3,250,000	3,500,000	21,250,000	36,250,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	(125,000)	(150,000)	(175,000)	(200,000)	(225,000)	(1,500,000)	(2,375,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	(125,000)	(150,000)	(175,000)	(200,000)	(225,000)	(1,500,000)	(2,375,000)

*Priority Score:

High Med Low

EL 6

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 366000		Electric Distribution System	Score	Replacement X
PROJECT TITLE			High X	Expansion
Underground Infrastructure Replacement - Non Residential			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000239	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

This project replaces existing direct-buried solid dielectric primary cable and associated underground utility infrastructure in commercial areas and along roadways which have been problematic from a system reliability standpoint. This project will install new primary cable, conduit and/or duct-bank as needed, add sectionalizing as needed, replace subsurface transformers as needed and complete related work as required. The cable system will be installed using open trench where practical and using directional boring where needed.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	225,000	225,000	250,000	250,000	250,000	1,300,000	2,500,000
Equipment	225,000	225,000	250,000	250,000	250,000	1,300,000	2,500,000
Personnel	50,000	50,000	50,000	50,000	50,000	250,000	500,000
Other	-	-	-	-	-	-	-
Total	500,000	500,000	550,000	550,000	550,000	2,850,000	5,500,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							3,560,000
<i>FY2021 Estimate</i>							425,000
Total							9,485,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	500,000	500,000	550,000	550,000	550,000	2,850,000	5,500,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	500,000	500,000	550,000	550,000	550,000	2,850,000	5,500,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	(30,000)	(35,000)	(40,000)	(45,000)	(50,000)	(325,000)	(525,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	(30,000)	(35,000)	(40,000)	(45,000)	(50,000)	(325,000)	(525,000)

*Priority Score:

High Med Low

EL 7

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 367000		Electric Distribution System	Score	Replacement X
PROJECT TITLE			High X	Expansion
Underground Distribution Infrastructure Replacements (Non-Cable)			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000037	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

This project contains funds to maintain the existing commercial and residential underground distribution facilities. PWC owns and operates 519 cable miles of underground distribution primary circuits. It provides for preventive maintenance and routine location and inspection of conductors, terminations, sectionalizing devices, and conduit/vault installations. This activity is crucial in minimizing service interruptions to underground customers and facilities. Inspection of PWC's underground distribution facilities began in FY08. As risks are identified, PWC will need to address these violations on a systematic basis based on the risk assessment matrix.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	100,000	100,000	100,000	100,000	100,000	500,000	1,000,000
Equipment	500,000	500,000	500,000	500,000	500,000	2,500,000	5,000,000
Personnel	400,000	400,000	400,000	400,000	400,000	2,000,000	4,000,000
Other	-	-	-	-	-	-	-
Total	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000	10,000,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							670,000
<i>FY2021 Estimate</i>							840,000
Total							11,510,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000	10,000,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000	10,000,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	(150,000)	(150,000)	(150,000)	(150,000)	(150,000)	(750,000)	(1,500,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	(150,000)	(150,000)	(150,000)	(150,000)	(150,000)	(750,000)	(1,500,000)

*Priority Score:

High Med Low

EL 8

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 366000		Electric Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
UG Feeder Exit Replacement Substations			Medium X	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000240	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

This project replaces existing direct-buried solid dielectric primary feeder cable from the substation bus to the first riser pole (UG-OH transition point) outside the substation fence. The cross-linked polyethylene (XLP) cable at the various substations is over 25 years old and has been subject to multiple feeder faults. These cables are at the end of their useful service life and have been spliced repeatedly due to cable failures and dig-ins. In FY18 and FY19, PWC tested 50% of the substations for electrical cable integrity and to rank cables for replacement. During FY22, PWC will test 30% of the remaining substation feeder cables to determine condition. This project will install conduit in open cut trenches as needed and complete related work as required. Construction will be performed by an electric utility contractor.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	237,500	237,500	237,500	237,500	237,500	1,187,500	2,375,000
Equipment	237,500	237,500	237,500	237,500	237,500	1,187,500	2,375,000
Personnel	25,000	25,000	25,000	25,000	25,000	125,000	250,000
Other	-	-	-	-	-	-	-
Total	500,000	500,000	500,000	500,000	500,000	2,500,000	5,000,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							325,000
<i>FY2021 Estimate</i>							375,000
Total							5,700,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	500,000	500,000	500,000	500,000	500,000	2,500,000	5,000,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	500,000	500,000	500,000	500,000	500,000	2,500,000	5,000,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	(25,000)	(25,000)	(25,000)	(25,000)	(25,000)	(125,000)	(250,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	(25,000)	(25,000)	(25,000)	(25,000)	(25,000)	(125,000)	(250,000)

*Priority Score:

High Med Low

EL 9

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 364000		Electric Distribution System	Score	Replacement
PROJECT TITLE			High	Expansion
Overhead Distribution System Circuit Improvements			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000027	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

This project will upgrade existing circuits by increasing thermal capabilities, replace existing conductors or construct new circuits as needed for distribution system improvement as indicated by the annual Area Planning Study. This study identified system components that have reached the limits of their thermal or operational capacity or will reach these limits during the study period. Improvements in the distribution system are then identified and included in the study's system model.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	40,000	40,000	40,000	40,000	40,000	200,000	400,000
Equipment	35,000	35,000	35,000	35,000	35,000	175,000	350,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	75,000	75,000	75,000	75,000	75,000	375,000	750,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							84,000
<i>FY2021 Estimate</i>							51,000
Total							885,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	75,000	75,000	75,000	75,000	75,000	375,000	750,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	75,000	75,000	75,000	75,000	75,000	375,000	750,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(50,000)	(100,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(50,000)	(100,000)

*Priority Score:

High Med Low

EL 10

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 364000		Electric Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
Distribution System Sectionalizing			Medium X	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000030	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

This project will install three-phase and single-phase Smart Grid compatible electronic reclosers as necessary to reduce outages due to momentary interruptions on branch circuits caused by animals and intermittent tree contact. These devices will reduce the impact from thru- faults to our power transformers by utilizing a pulse closing technique and will enable PWC to extend the life of its aging power transformer infrastructure.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	250,000	200,000	100,000	100,000	100,000	500,000	1,250,000
Equipment	400,000	250,000	125,000	125,000	125,000	625,000	1,650,000
Personnel	50,000	50,000	25,000	25,000	25,000	125,000	300,000
Other	-	-	-	-	-	-	-
Total	700,000	500,000	250,000	250,000	250,000	1,250,000	3,200,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							2,000
<i>FY2021 Estimate</i>							375,000
Total							3,577,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	700,000	500,000	250,000	250,000	250,000	1,250,000	3,200,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	700,000	500,000	250,000	250,000	250,000	1,250,000	3,200,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	(10,000)	(20,000)	(30,000)	(40,000)	(50,000)	(400,000)	(550,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	(10,000)	(20,000)	(30,000)	(40,000)	(50,000)	(400,000)	(550,000)

*Priority Score:

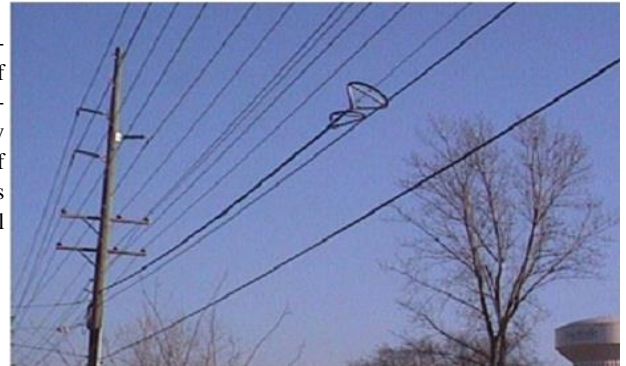
High Med Low

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 355000		Electric Distribution System	Score	Replacement X
PROJECT TITLE			High X	Expansion
Overhead Infrastructure Improvements			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000036	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

This project contains funds to maintain the existing overhead transmission, sub-transmission, and distribution facilities. PWC owns and operates 2918 miles of overhead distribution primary circuits and 120 miles of overhead sub-transmission circuits. It provides for the preventive maintenance on twenty percent of these circuits each fiscal year. Routine testing, and inspection of conductors, supporting devices, poles, sectionalizing devices, and right-of-way is included during this process. This activity is crucial in maintaining a high level of service continuity and safety to our customers and facilities.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	625,000	625,000	700,000	700,000	750,000	3,750,000	7,150,000
Equipment	575,000	575,000	700,000	700,000	750,000	3,750,000	7,050,000
Personnel	50,000	50,000	50,000	50,000	50,000	250,000	500,000
Other	-	-	-	-	-	-	-
Total	1,250,000	1,250,000	1,450,000	1,450,000	1,550,000	7,750,000	14,700,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							1,083,000
<i>FY2021 Estimate</i>							995,000
Total							16,778,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	1,250,000	1,250,000	1,450,000	1,450,000	1,550,000	7,750,000	14,700,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	1,250,000	1,250,000	1,450,000	1,450,000	1,550,000	7,750,000	14,700,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	(100,000)	(100,000)	(100,000)	(100,000)	(100,000)	(500,000)	(1,000,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	(100,000)	(100,000)	(100,000)	(100,000)	(100,000)	(500,000)	(1,000,000)

*Priority Score:



EL 12

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 373000		Electric Distribution System	Score	Replacement
PROJECT TITLE			High	Expansion
Thoroughfare LED Lighting - New Installations			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000334	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

This project provides funds for the installation of LED roadway lighting along thoroughfares and major connector streets inside the City limits of Fayetteville that are presently unlit or underlit.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	125,000	125,000	150,000	200,000	250,000	1,250,000	2,100,000
Personnel	125,000	125,000	150,000	200,000	250,000	1,250,000	2,100,000
Other	-	-	-	-	-	-	-
Total	250,000	250,000	300,000	400,000	500,000	2,500,000	4,200,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							20,000
<i>FY2021 Estimate</i>							230,000
Total							4,450,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	250,000	250,000	300,000	400,000	500,000	2,500,000	4,200,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	250,000	250,000	300,000	400,000	500,000	2,500,000	4,200,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	2,500	2,500	2,500	2,500	2,500	12,500	25,000
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	2,500	2,500	2,500	2,500	2,500	12,500	25,000

*Priority Score:

High Med Low

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 373000		Electric Distribution System	Score	Replacement
PROJECT TITLE			High	Expansion
Thoroughfare LED Roadway Lighting-Conversion			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000038	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

This project provides funds that will allow the conversion to LED Roadway Lighting along thoroughfares and major connector streets inside the City limits of Fayetteville.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	1,250,000	-	-	-	-	-	1,250,000
Equipment	1,250,000	-	-	-	-	-	1,250,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	2,500,000	-	-	-	-	-	2,500,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							470,000
<i>FY2021 Estimate</i>							125,000
Total							3,095,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	2,500,000	-	-	-	-	-	2,500,000
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	2,500,000	-	-	-	-	-	2,500,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(50,000)	(100,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(50,000)	(100,000)

*Priority Score:

High Med Low

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 368000		Electric Distribution System	Score	Replacement
PROJECT TITLE			High	Expansion
Conservation Load Reduction (CVR)			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000270	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to purchase hosted enterprise software and devices to remotely monitor distribution feeder service voltage and to lower system voltage to ANSI limits during monthly coincident peaks with Duke Energy. Studies have shown that for every volt drop on substation bus, the substation demand is reduced by approximately 0.85%. This system should help PWC to reduce its power supply cost and system losses considerably once deployed system-wide.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	200,000	300,000	400,000	400,000	200,000	500,000	2,000,000
Personnel	50,000	100,000	100,000	100,000	50,000	125,000	525,000
Other	-	-	-	-	-	-	-
Total	250,000	400,000	500,000	500,000	250,000	625,000	2,525,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							1,294,000
<i>FY2021 Estimate</i>							425,000
Total							4,244,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	250,000	400,000	500,000	500,000	250,000	625,000	2,525,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	250,000	400,000	500,000	500,000	250,000	625,000	2,525,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)	(5,000,000)	(10,000,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)	(5,000,000)	(10,000,000)

*Priority Score:

High Med Low

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 365000		Electric Distribution System	Score	Replacement
PROJECT TITLE			High	Expansion
System Reactive Power Compensation			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000034	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to install static and remote control shunt capacitor banks on distribution primary circuits as needed for reactive power compensation and conservation voltage reduction (CVR) throughout the distribution system. Anticipated increase in power supply costs from our energy supplier have highlighted the need to reduce our reactive power requirement to an optimum level and to implement CVR where possible to lower our wholesale energy and demand costs. PWC has elected to utilize distributed shunt capacitor banks to meet its reactive power compensation needs and to reduce voltage drops along distribution feeders. We will install static banks and switched banks to reduce system losses, maintain adequate voltage levels, and to optimize distribution feeder operation.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	100,000	225,000	100,000	75,000	50,000	250,000	800,000
Equipment	125,000	225,000	100,000	75,000	50,000	250,000	825,000
Personnel	25,000	50,000	25,000	25,000	25,000	125,000	275,000
Other	-	-	-	-	-	-	-
Total	250,000	500,000	225,000	175,000	125,000	625,000	1,900,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							2,865,000
<i>FY2021 Estimate</i>							525,000
Total							5,290,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	250,000	500,000	225,000	175,000	125,000	625,000	1,900,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	250,000	500,000	225,000	175,000	125,000	625,000	1,900,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	25,000	25,000	25,000	25,000	25,000	25,000	150,000
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	25,000	25,000	25,000	25,000	25,000	25,000	150,000

*Priority Score:

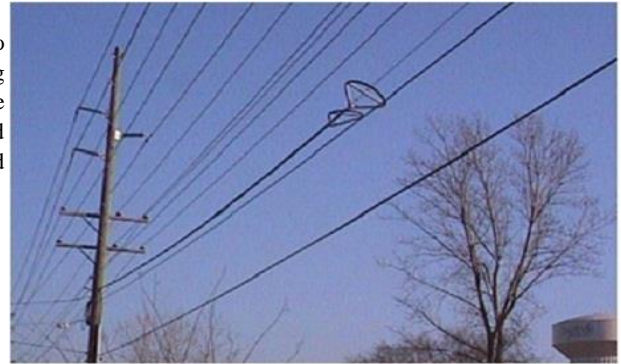
High Med Low

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELECTRIC ADMINISTRATI	397000	Telecom - Cable Infrastructure	Score	Replacement
PROJECT TITLE			High	Expansion
Fiber Optic Cable Line Extensions for Electric System Automation			Medium	New
PWC Smart Grid Initiatives			Low	Renovation
BID DATE				
START CONSTRUCTION DATE				
EXPECTED COMPLETION DATE				
			BUDGET CODE	
			CPR1000012	

PROJECT DESCRIPTION & JUSTIFICATION

This project will continue the build-out of PWC's Fiber Optic Network to provide for broadband digital communications to automated sectionalizing devices and remotely controlled capacitor banks. It will also provide for the remote monitoring of intelligent electronic devices (IEDs) strategically placed along PWC's T/D system. This project incorporates both the OSP fiber and network electronics configured in a self-healing ring architecture.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	250,000	250,000	250,000	250,000	250,000	1,250,000	2,500,000
Personnel	250,000	250,000	250,000	250,000	250,000	1,250,000	2,500,000
Other	-	-	-	-	-	-	-
Total	500,000	500,000	500,000	500,000	500,000	2,500,000	5,000,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							218,000
<i>FY2021 Estimate</i>							282,000
Total							5,500,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	500,000	500,000	500,000	500,000	500,000	2,500,000	5,000,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	500,000	500,000	500,000	500,000	500,000	2,500,000	5,000,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	25,000	25,000	25,000	25,000	25,000	125,000	250,000
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	25,000	25,000	25,000	25,000	25,000	125,000	250,000

*Priority Score:



Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELECTRIC ADMINISTRATION	397000	Communication_Equipment	Score	Replacement
PROJECT TITLE			High	Expansion
SONET Communications for Smart Grid			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000217	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to provide funding for installation of the necessary communications equipment, time-division multiplexors (TDM) and fast ethernet switches, along with the reconfiguration of PWC's existing OSP fiber optic system to create a self-healing communications network that is capable of adequately supporting PWC's current and future Smart Grid communication initiatives. This project will storm-harden PWC's fiber optic (FO) communication system and provide the necessary resiliency to meet the Electric Division's existing and future needs.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	225,000	225,000	225,000	225,000	100,000	500,000	1,500,000
Personnel	25,000	25,000	25,000	25,000	25,000	125,000	250,000
Other	-	-	-	-	-	-	-
Total	250,000	250,000	250,000	250,000	125,000	625,000	1,750,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							550,000
<i>FY2021 Estimate</i>							183,000
Total							2,483,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	250,000	250,000	250,000	250,000	125,000	625,000	1,750,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	250,000	250,000	250,000	250,000	125,000	625,000	1,750,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	1,000	1,000	1,000	1,000	1,000	5,000	10,000
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	1,000	1,000	1,000	1,000	1,000	5,000	10,000

*Priority Score:



EL 18

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 365000		Electric Distribution System	Score	Replacement
PROJECT TITLE			High	Expansion
Distribution Automation			Medium	New
			Low	Renovation
BID DATE				
START CONSTRUCTION DATE				
EXPECTED COMPLETION DATE				
			BUDGET CODE	
			CPR1000044	

PROJECT DESCRIPTION & JUSTIFICATION

This project provides funding for the installation of automated distribution devices at strategic locations on our distribution system to create innovation neighborhoods. The creation of these innovation neighborhoods will significantly improve our service level to the customers within these areas and will improve our overall system reliability indices.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	200,000	350,000	750,000	1,250,000	1,500,000	10,250,000	14,300,000
Personnel	50,000	150,000	250,000	250,000	250,000	1,250,000	2,200,000
Other	-	-	-	-	-	-	-
Total	250,000	500,000	1,000,000	1,500,000	1,750,000	11,500,000	16,500,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							377,000
<i>FY2021 Estimate</i>							225,000
Total							17,102,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	250,000	500,000	1,000,000	1,500,000	1,750,000	11,500,000	16,500,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	250,000	500,000	1,000,000	1,500,000	1,750,000	11,500,000	16,500,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	(5,000)	(20,000)	(30,000)	(40,000)	(50,000)	(250,000)	(395,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	(5,000)	(20,000)	(30,000)	(40,000)	(50,000)	(250,000)	(395,000)

*Priority Score:

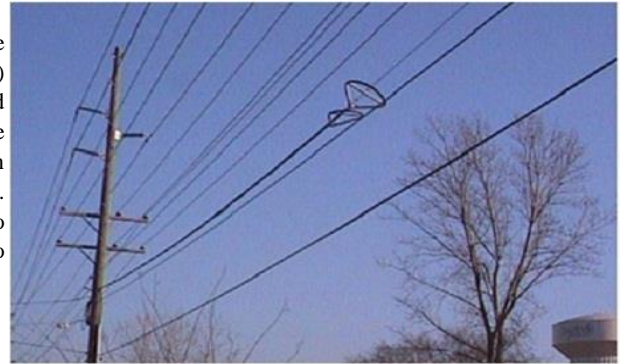
High Med Low

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 355000		Transmission Plant	Score	Replacement X
PROJECT TITLE			High X	Expansion
Sub-Transmission Pole Replacement			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000045	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

This project will enable PWC to replace its aging sub-transmission wood pole assets with tapered tubular steel products on a systematic basis over a thirty (30) year period. The goal is to virtually eliminate the maintenance costs associated with maintaining these existing assets. Records indicate that 715 (34%) of the 2,093 sub-transmission pole assets are over 30 years old. In addition, a condition assessment has been performed on PWC's entire transmission plant population. A risk assessment matrix has been developed to determine which poles need to be replaced first. The transmission pole replacement plan identified the need to replace 100 poles per year. The pole replacement program began in FY12.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	750,000	750,000	750,000	750,000	750,000	3,750,000	7,500,000
Equipment	700,000	700,000	700,000	700,000	700,000	3,500,000	7,000,000
Personnel	50,000	50,000	50,000	50,000	50,000	250,000	500,000
Other	-	-	-	-	-	-	-
Total	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	7,500,000	15,000,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							1,273,000
<i>FY2021 Estimate</i>							1,250,000
Total							17,523,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	7,500,000	15,000,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	7,500,000	15,000,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	(750,000)	(75,000)	(75,000)	(75,000)	(75,000)	(375,000)	(1,425,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	(750,000)	(75,000)	(75,000)	(75,000)	(75,000)	(375,000)	(1,425,000)

*Priority Score:

High Med Low

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELECTRIC ADMINISTRATIVE	362000	Electric Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
Distribution Circuit Breaker Replacement			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000050	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to provide for the timely replacement of twelve power circuit breakers each year for the next ten years. PWC's aging breaker population continues to pose reliability problems for system operations. The age range of distribution circuit breakers varies from 36 years old to 2 years old. The majority of vacuum circuit breakers purchased by PWC are on the order of 22 years old. A significant population of units is of a vintage where replacement parts are extremely hard to acquire and are extremely expensive. This project will begin the annual replacement of the oldest, most problematic units first. Additionally, this project will enable PWC to begin to utilize the IED technology currently available for use in substation environments.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	375,000	375,000	375,000	-	-	-	1,125,000
Personnel	25,000	25,000	25,000	-	-	-	75,000
Other	-	-	-	-	-	-	-
Total	400,000	400,000	400,000	-	-	-	1,200,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							180,000
<i>FY2021 Estimate</i>							395,000
Total							1,775,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	400,000	400,000	400,000	-	-	-	1,200,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	400,000	400,000	400,000	-	-	-	1,200,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(50,000)	(100,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(50,000)	(100,000)

*Priority Score:



EL 21

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 356000		Transmission Plant	Score	Replacement X
PROJECT TITLE			High X	Expansion
66 kV System Sectionalizing Improvements			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000046	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to replace vintage 69 kV switches and upgrade to Ethernet fiber optic communication systems for automation. PWC currently has 88 switches that were installed on our system prior to 1995. These switches are problematic from an operational perspective and are not capable of being operated remotely. System outages at this voltage generally affect a significant amount of our electrical utility customers which has a negative impact on our reliability levels. This project will fund the replacement of approximately nine (9) switches per year over a ten (10) year period and will be performed in tandem with the multi-year sub-transmission pole replacement program.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	100,000	100,000	100,000	100,000	100,000	500,000	1,000,000
Equipment	200,000	200,000	200,000	200,000	200,000	1,000,000	2,000,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	300,000	300,000	300,000	300,000	300,000	1,500,000	3,000,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							69,000
<i>FY2021 Estimate</i>							248,000
Total							3,317,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	300,000	300,000	300,000	300,000	300,000	1,500,000	3,000,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	300,000	300,000	300,000	300,000	300,000	1,500,000	3,000,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(50,000)	(100,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(50,000)	(100,000)

*Priority Score:

High Med Low

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELECTRIC ADMINISTRATI	362000	Electric Distribution System	Score	Replacement X
PROJECT TITLE			High X	Expansion
Distribution Substation Equipment Replacement			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000052	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

This capital project contains funds to replace failed equipment in any of PWC's thirty (30) T-D substations. Projects identified include: battery and/or dc system replacement, intelligent electronic device addition, substation metering system improvements, monitoring system additions, etc.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	80,000	80,000	80,000	80,000	80,000	400,000	800,000
Personnel	20,000	20,000	20,000	20,000	20,000	100,000	200,000
Other	-	-	-	-	-	-	-
Total	100,000	100,000	100,000	100,000	100,000	500,000	1,000,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							40,000
<i>FY2021 Estimate</i>							35,000
Total							1,075,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	100,000	100,000	100,000	100,000	100,000	500,000	1,000,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	100,000	100,000	100,000	100,000	100,000	500,000	1,000,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELECTRIC ADMINISTRATIVE	345000	Transmission Plant	Score	Replacement X
PROJECT TITLE			High	Expansion
T/D Sub Differential and Back-Up Overcurrent Relay Replacement			Medium X	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000051	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

This capital project contains funds for the replacement of electromechanical differential and back-up over current relays with microprocessor based equivalents.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	140,000	140,000	140,000	140,000	-	-	560,000
Personnel	10,000	10,000	10,000	10,000	-	-	40,000
Other	-	-	-	-	-	-	-
Total	150,000	150,000	150,000	150,000	-	-	600,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							94,000
<i>FY2021 Estimate</i>							125,000
Total							819,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	150,000	150,000	150,000	150,000	-	-	600,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	150,000	150,000	150,000	150,000	-	-	600,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

EL 24

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELECTRIC ADMINISTRATION	362000	Electric Distribution System	Score	Replacement X
PROJECT TITLE			High X	Expansion
T/D Sub 66 kV Power Transformer Protection Equipment Upgrade			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000218	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to provide funding for the upgrade of the 66 KV power transformer protection equipment at a number of PWC's vintage substations. This protection equipment, in many cases, is at the end-of- life and needs to be replaced with modern equipment which will provide for additional power transformer protection functionality.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	25,000	25,000	25,000	25,000	25,000	-	125,000
Construction	175,000	175,000	175,000	175,000	175,000	-	875,000
Equipment	175,000	175,000	175,000	175,000	175,000	-	875,000
Personnel	25,000	25,000	25,000	25,000	25,000	-	125,000
Other	-	-	-	-	-	-	-
Total	400,000	400,000	400,000	400,000	400,000	-	2,000,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							868,000
<i>FY2021 Estimate</i>							375,000
Total							3,243,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	400,000	400,000	400,000	400,000	400,000	-	2,000,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	400,000	400,000	400,000	400,000	400,000	-	2,000,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

EL 25

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELECTRIC ADMINISTRATION	362000	Structures and Improvements	Score	Replacement X
PROJECT TITLE			High	Expansion
T/D Substation Control Building Replacement			Medium X	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000364	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to systematically replace control buildings at T/D substations that have exceeded or are approaching their life expectancy due to structure or other environmental issues. This project will replace both the control building and the protective relaying equipment for the substation. PWC has begun the process of building and operating “smart stations”. This process will enable PWC to replace these structures and incorporate “smart station” micro-processor based protective relaying all into one package.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	20,000	20,000	20,000	20,000	20,000	-	100,000
Equipment	380,000	380,000	380,000	380,000	380,000	-	1,900,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	400,000	400,000	400,000	400,000	400,000	-	2,000,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							222,000
<i>FY2021 Estimate</i>							400,000
Total							2,622,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	400,000	400,000	400,000	400,000	400,000	-	2,000,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	400,000	400,000	400,000	400,000	400,000	-	2,000,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELECTRIC ADMINISTRATION	362000	Electric Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
Bordeaux 67-12 kV Substation Rebuild			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE		10/1/2020	CPR1000062	
EXPECTED COMPLETION DATE		9/30/2021		

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to replace the 67 kV primary bus and secondary bus wooden poles at Bordeaux Substation with tubular bus supported atop steel columns, such that it can accommodate a three-phase LTC power transformer. Level the site and replace all UG distribution circuit feeder exits utilizing concrete encased duct bank. Replace existing vacuum circuit breakers with new units. Replace existing transformer over current and differential protection as necessary to make use of IED technology.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	50,000	-	-	-	-	-	50,000
Construction	50,000	-	-	-	-	-	50,000
Equipment	100,000	-	-	-	-	-	100,000
Personnel	50,000	-	-	-	-	-	50,000
Other	-	-	-	-	-	-	-
Total	250,000	-	-	-	-	-	250,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							319,000
<i>FY2021 Estimate</i>							1,681,000
Total							2,250,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	250,000	-	-	-	-	-	250,000
Total	250,000	-	-	-	-	-	250,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

EL 27

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELECTRIC ADMINISTRATI	362000	Electric Distribution System	Score	Replacement X
PROJECT TITLE			High X	Expansion
Black & Decker Substation Rebuild			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000321	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to replace the 67 kV primary bus and secondary bus wooden poles at Black and Decker Substation with tubular bus supported atop steel columns, such that it can accommodate a three-phase LTC power transformer. Level the site and replace all UG distribution circuit feeder exits utilizing concrete encased duct bank. Replace existing vacuum circuit breakers with new units. Replace existing transformer over current and differential protection as necessary to make use of IED technology.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	25,000	-	-	-	-	-	25,000
Construction	150,000	-	-	-	-	-	150,000
Equipment	75,000	-	-	-	-	-	75,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	250,000	-	-	-	-	-	250,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							1,800,000
Total							2,050,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	250,000	-	-	-	-	-	250,000
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	250,000	-	-	-	-	-	250,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELECTRIC ADMINISTRATI	362000	Electric Distribution System	Score	Replacement X
PROJECT TITLE			High X	Expansion
Cumberland Road 66 -12 kV Substation Rebuild			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000471	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to replace the 66 kV primary and secondary 12 kV bus with a more modular steel column design that will accommodate a larger 3-phase LTC power transformer. Level the site and replace all UG distribution feed exits utilizing encased concrete duct-bank. Replace existing vacuum circuit breakers with new units. Replace the control house and all protective transformer and station relaying with microprocessor based digital units.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	50,000	25,000	-	-	-	-	75,000
Construction	1,300,000	200,000	-	-	-	-	1,500,000
Equipment	600,000	125,000	-	-	-	-	725,000
Personnel	50,000	-	-	-	-	-	50,000
Other	-	-	-	-	-	-	-
Total	2,000,000	350,000	-	-	-	-	2,350,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							2,350,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	2,000,000	350,000	-	-	-	-	2,350,000
Total	2,000,000	350,000	-	-	-	-	2,350,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELECTRIC ADMINISTRATI	362000	Structures and Improvements	Score	Replacement X
PROJECT TITLE			High X	Expansion
PO Hoffer 66-12 kV Substation Rebuild			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000421	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to replace the 66 kV primary and secondary 12 kV bus with a more modular steel column design that will accommodate a larger 3-phase LTC power transformer. Level the site and replace all UG distribution feeder circuit exits utilizing concrete enclosed duct-bank. Replace existing vacuum circuit breakers with new units. Replace existing transformer over-current and differential protective relaying as necessary to make use of IED technology.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	250,000	150,000	-	-	-	-	400,000
Construction	375,000	850,000	-	-	-	-	1,225,000
Equipment	375,000	700,000	-	-	-	-	1,075,000
Personnel	-	50,000	-	-	-	-	50,000
Other	-	-	-	-	-	-	-
Total	1,000,000	1,750,000	-	-	-	-	2,750,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							2,750,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	1,000,000	1,750,000	-	-	-	-	2,750,000
Total	1,000,000	1,750,000	-	-	-	-	2,750,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

EL 30

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELECTRIC ADMINISTRATI	362000	Structures and Improvements	Score	Replacement X
PROJECT TITLE			High X	Expansion
FTI 66-12 kV Substation Rebuild and Relocation			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000420	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to relocate the existing FTI 66-12 kV Substation to a site that more effectively serves the load centers within this established area. The new site will provide means for additional substation capacity expansion as this centralized area redevelops. Facilities planned include transmission switches which can be secured and switched remotely, a new primary 66 kV and secondary 12 kV substation bus and supporting structures, new 3-phase LTC power transformer, new vacuum circuit breakers, and a new control building. PWC plans to relocate its existing state-of-the-art substation protective relaying panels to the new site. All distribution feeder exits installed at the new site will be constructed in concrete encased duct-bank to reduce the cost of any future replacements.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	50,000	900,000	250,000	-	-	-	1,200,000
Engineering	-	100,000	50,000	50,000	-	-	200,000
Construction	-	-	1,000,000	300,000	-	-	1,300,000
Equipment	-	-	850,000	100,000	-	-	950,000
Personnel	-	-	50,000	50,000	-	-	100,000
Other	-	-	-	-	-	-	-
Total	50,000	1,000,000	2,200,000	500,000	-	-	3,750,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							3,750,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	50,000	1,000,000	2,200,000	500,000	-	-	3,750,000
Total	50,000	1,000,000	2,200,000	500,000	-	-	3,750,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 364000		Electric Distribution System	Score	Replacement
PROJECT TITLE			High	Expansion
CoF Langdon St Widening Project			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE	7/1/2023		CPR1000076	
EXPECTED COMPLETION DATE	11/30/2023			

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to relocate roadside distribution and transmission facilities including poles, conductors, guys and anchors, roadway lighting, transformers, secondaries and services. Facilities are relocated at the request of the City of Fayetteville to accommodate the widening of Langdon Street from Ramsey Street to Trinity Street.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	25,000	-	-	-	25,000
Construction	-	-	125,000	-	-	-	125,000
Equipment	-	-	125,000	-	-	-	125,000
Personnel	-	-	25,000	-	-	-	25,000
Other	-	-	-	-	-	-	-
Total	-	-	300,000	-	-	-	300,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							300,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	300,000	-	-	-	300,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	300,000	-	-	-	300,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELECTRIC ADMINISTRATION	362000	Electric Distribution System	Score	Replacement X
PROJECT TITLE			High X	Expansion
Distribution Substation 66-12 kV Power Transformer			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000384	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to provide for the replacement of 66 -12 kV power transformers as scheduled at PWC's equivalent 27 substations. A number of power transformers at these stations are nearing the end of their useful life as predicted by condition monitoring analytics. This project will provide for a swappable unit should any of the in-service transformers require immediate replacement prior to the scheduled substation rebuild. Transformer replacements are scheduled at FTI in FY 2020, at College Lakes and Purolator in FY 2021, at Cliffdale in FY 2022, at Yadkin Road in FY 2023, and at Hogan Street in FY 2025.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	-	1,730,000	865,000	865,000	865,000	4,325,000	8,650,000
Personnel	-	20,000	10,000	10,000	10,000	50,000	100,000
Other	-	-	-	-	-	-	-
Total	-	1,750,000	875,000	875,000	875,000	4,375,000	8,750,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							712,000
<i>FY2021 Estimate</i>							1,750,000
Total							11,212,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	1,750,000	875,000	875,000	875,000	4,375,000	8,750,000
Total	-	1,750,000	875,000	875,000	875,000	4,375,000	8,750,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELECTRIC ADMINISTRATI	353000	Transmission Plant	Score	Replacement X
PROJECT TITLE			High	Expansion
230-67kV Auto-Transformer			Medium X	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000434	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to provide for the replacement of a 230-67 kV auto-transformer at Point of Delivery (POD) III. The existing unit is twenty eight years old. Dissolved gas analyses (DGA) indicate that there is excessive heating within the windings of this unit. Currently, it is inadvisable to re-energize this unit as it appears to be at the end of its useful life. This auto-transformer is critical from both a contingency perspective and system load allocation perspective.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	100,000	-	-	100,000
Construction	-	-	-	-	-	-	-
Equipment	-	-	-	2,400,000	-	3,075,000	5,475,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	-	-	-	2,500,000	-	3,075,000	5,575,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							4,000
<i>FY2021 Estimate</i>							-
Total							5,579,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	2,500,000	-	3,075,000	5,575,000
Total	-	-	-	2,500,000	-	3,075,000	5,575,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELECTRIC ADMINISTRATION	353000	Transmission Plant	Score	Replacement
PROJECT TITLE			High	Expansion
POD IV 230-66 kV Substation			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000064	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to construct a 230-66 kV substation consisting of a low profile bus assembly, a 230 kV circuit switcher, a 120/160/200 MVA auto-transformer, a 66 kV low profile bus assembly and four 66 kV circuit breakers with circuit exits and ties. This project will provide for fencing, screen landscaping, communication, relaying and complete related work as required. Long-term transmission studies indicate that an additional 66 kV source will be needed in the southern portion of our service territory to provide for contingency situations and to reduce circuit loading on several segments of the 66 kV sub-transmission system. Studies are currently underway to redefine the timing, scope, and need for this project. In FY18, PWC purchased the property for this site.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	125,000	1,150,000	1,275,000
Construction	-	-	-	-	-	3,900,000	3,900,000
Equipment	-	-	-	-	-	10,500,000	10,500,000
Personnel	-	-	-	-	-	300,000	300,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	125,000	15,850,000	15,975,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							1,392,000
<i>FY2021 Estimate</i>							100,000
Total							17,467,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	125,000	15,850,000	15,975,000
Total	-	-	-	-	125,000	15,850,000	15,975,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELECTRIC ADMINISTRATI	350000	Transmission Plant	Score	Replacement
PROJECT TITLE			High	Expansion
POD V 230-66 kV Substation			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000065	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to acquire the property for the fifth 230-66 kV Point of Delivery identified in PWC's Transmission Planning Study to be located on the north side of PWC's service territory. This delivery point's preferred location will be in close proximity to the Duke Energy- Progress Ft Bragg-Woodruff Street 230 kV transmission line.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	100,000	-	-	-	-	-	100,000
Engineering	-	-	-	-	-	2,500,000	2,500,000
Construction	100,000	-	-	-	-	10,000,000	10,100,000
Equipment	-	-	-	-	-	12,300,000	12,300,000
Personnel	-	-	-	-	-	200,000	200,000
Other	-	-	-	-	-	-	-
Total	200,000	-	-	-	-	25,000,000	25,200,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							19,000
<i>FY2021 Estimate</i>							2,750,000
Total							27,969,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	25,000,000	25,000,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	200,000	-	-	-	-	-	200,000
Total	200,000	-	-	-	-	25,000,000	25,200,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

EL 36

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELECTRIC ADMINISTRATI	360000	Land and Land Rights	Score	Replacement
PROJECT TITLE			High	Expansion
ROW Additions Distribution			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000210	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to purchase the easements needed for the NESC compliant installation of overhead and underground distribution facilities and to facilitate the improved maintenance of existing facilities. Rights-of-way are sometimes needed to allow for the construction or relocation of distribution lines, poles and equipment for system improvement projects. Rights-of-way are also sometimes too narrow for maintenance or operation of equipment and should be increased or widened. In FY17, PWC began a campaign to protect and to remove dangerous trees associated with its distribution assets. Additional ROW will need to be acquired in order for us to maintain adequate clearances for our overhead facilities.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	150,000	150,000	150,000	150,000	150,000	750,000	1,500,000
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	150,000	150,000	150,000	150,000	150,000	750,000	1,500,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							59,000
<i>FY2021 Estimate</i>							99,000
Total							1,658,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	150,000	150,000	150,000	150,000	150,000	750,000	1,500,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	150,000	150,000	150,000	150,000	150,000	750,000	1,500,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELECTRIC ADMINISTRATI	350000	Land and Land Rights	Score	Replacement X
PROJECT TITLE			High X	Expansion X
ROW Additions Transmission - Asset Protection			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000503	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to purchase the easements needed for maintaining adequate clearance to our existing overhead transmission facilities and to facilitate the improved maintenance of existing facilities. Right-of-ways are also sometimes too narrow for maintenance or operation of equipment and should be increased or widened. In FY21, PWC began a campaign to re-claim our right-of-ways and to remove encroachments from our right-of-ways. Additional ROW will need to be acquired in-order for us to maintain adequate clearances for our overhead facilities.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	350,000	350,000	500,000	500,000	500,000	2,500,000	4,700,000
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	350,000	350,000	500,000	500,000	500,000	2,500,000	4,700,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							4,700,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	350,000	350,000	500,000	500,000	500,000	2,500,000	4,700,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	350,000	350,000	500,000	500,000	500,000	2,500,000	4,700,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



EL 38

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELECTRIC ADMINISTRATI	356000	Transmission Plant	Score	Replacement X
PROJECT TITLE			High X	Expansion
POD I 230 kV Switch Replacement			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000472	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to replace all three 230 kV motor operated air-break switches (MOABS) Point of Delivery (POD) I. These MOABS are 1970's vintage equipment and their reliability is questionable. They can no longer be rebuilt because the parts are no longer available. Due to technological improvements, an improved version is currently available. In FY 2020, Duke Energy Progress (DEP) improved the reliability of PWC's connection to their system at this delivery point by installing a breaker and half scheme at their station. In order for PWC to ensure that it maintains a reliable 230 kV connection at its auto-transformers, these switches need to be replaced.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	25,000	-	-	-	-	-	25,000
Construction	50,000	-	-	-	-	-	50,000
Equipment	175,000	-	-	-	-	-	175,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	250,000	-	-	-	-	-	250,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							250,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	250,000	-	-	-	-	-	250,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	250,000	-	-	-	-	-	250,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 367000		Electric Distribution System	Score	Replacement
PROJECT TITLE			High	Expansion
Downtown UG Infrastructure Reliability Improvements			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000251	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to install sectionalizing equipment and fiber optic communications systems as required to improve the reliability, safety, and operability of the existing UG distribution system in the Downtown area of Fayetteville. This project will also install UG sumps in vaults where necessary and will replace long secondary bus and tap fuses as required to provide for proper insulation protection of the flame retardant, low smoke, non-Halogen, Polyolefin insulated secondary cables that have been installed in this UG network.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	100,000	-	-	-	-	-	100,000
Engineering	-	-	-	-	-	-	-
Construction	200,000	300,000	-	-	-	-	500,000
Equipment	200,000	300,000	-	-	-	-	500,000
Personnel	100,000	150,000	-	-	-	-	250,000
Other	-	-	-	-	-	-	-
Total	600,000	750,000	-	-	-	-	1,350,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							64,000
<i>FY2021 Estimate</i>							400,000
Total							1,814,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	600,000	750,000	-	-	-	-	1,350,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	600,000	750,000	-	-	-	-	1,350,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	(25,000)	(25,000)	(25,000)	(25,000)	(25,000)	(125,000)	(250,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	(25,000)	(25,000)	(25,000)	(25,000)	(25,000)	(125,000)	(250,000)

*Priority Score:

High Med Low

EL 40

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 367000		Electric Distribution System	Score	Replacement
PROJECT TITLE			High	Expansion
Underground Distribution / Streetscape Improvement			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000072	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

Replace existing underground distribution infrastructure as necessary and convert overhead distribution infrastructure to underground as required to facilitate the City of Fayetteville's long-range plans for streetscape improvements downtown. This project will provide funding for miscellaneous streetscape improvements not otherwise identified in the Capital Improvement Program.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	20,000	20,000	20,000	20,000	20,000	100,000	200,000
Equipment	20,000	20,000	20,000	20,000	20,000	100,000	200,000
Personnel	10,000	10,000	10,000	10,000	10,000	50,000	100,000
Other	-	-	-	-	-	-	-
Total	50,000	50,000	50,000	50,000	50,000	250,000	500,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							500,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	50,000	50,000	50,000	50,000	50,000	250,000	500,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	50,000	50,000	50,000	50,000	50,000	250,000	500,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 367000		Electric Distribution System	Score	Replacement
PROJECT TITLE			High	Expansion
CoF Person St 300 - 600 Block Streetscape Improvement			Medium	New
			Low	Renovation
BID DATE				
START CONSTRUCTION DATE				
EXPECTED COMPLETION DATE				
			BUDGET CODE	
			CPR1000074	

PROJECT DESCRIPTION & JUSTIFICATION

Replace existing underground distribution infrastructure as necessary and convert overhead distribution infrastructure to underground as required to facilitate the City of Fayetteville's long-range plans for streetscape improvements for the 300, 400, 500, and 600 blocks of Person Street downtown. This project will complete all of the multi-year streetscape improvement projects along Person Street beginning at the Market House and extending to Eastern Boulevard / US-301.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	750,000	750,000
Equipment	-	-	-	-	-	750,000	750,000
Personnel	-	-	-	-	-	150,000	150,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	1,650,000	1,650,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							1,242,000
<i>FY2021 Estimate</i>							-
Total							2,892,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	1,650,000	1,650,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	1,650,000	1,650,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELECTRIC ADMINISTRATIVE	306000	Inhouse Computer System	Score	Replacement
PROJECT TITLE			High	Expansion
DMS Software and Implementation			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000432	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

This project is a companion project for the Outage Management System that is scheduled to be completed in the 2nd Quarter of FY 2020. The Distribution Management System (DMS) will provide for real-time load-flow calculation analytics which provides the means to perform automatic switch order management distribution, sub-transmission feeder reconfiguration and distribution automation. In essence, this software provides the means to improve the overall performance of our electrical distribution and sub-transmission systems. This system will help improve our system service reliability and also reduce our system losses.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	700,000	225,000	-	-	-	-	925,000
Personnel	50,000	25,000	-	-	-	-	75,000
Other	-	-	-	-	-	-	-
Total	750,000	250,000	-	-	-	-	1,000,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							1,000,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	750,000	250,000	-	-	-	-	1,000,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	750,000	250,000	-	-	-	-	1,000,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

EL 43

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELECTRIC ADMINISTRATION	312500	Generation Plant	Score	Replacement X
PROJECT TITLE			High X	Expansion
BWGP Heat Recovery Steam Generator Boiler Tube Replacement			Medium	New X
			Low	Renovation
BID DATE	8/31/2020		BUDGET CODE	
START CONSTRUCTION DATE	8/31/2021		CPR1000473	
EXPECTED COMPLETION DATE	12/31/2021			

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to re-tube three (3) heat steam generators. The boiler tubes in the steam generators are over thirty (30) years old and are constantly failing. Replacement of these tubes will improve steam generator reliability and will help PWC meet the delivery performance factor contained within the Duke Energy Progress contract through calendar year 2032.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	6,000,000	-	-	-	-	-	6,000,000
Equipment	3,220,000	-	-	-	-	-	3,220,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	9,220,000	-	-	-	-	-	9,220,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							780,000
Total							10,000,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	9,220,000	-	-	-	-	-	9,220,000
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	9,220,000	-	-	-	-	-	9,220,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

EL 44

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELECTRIC ADMINISTRATI	316000	Generation Plant	Score	Replacement X
PROJECT TITLE			High X	Expansion
BWGP Water Purification System			Medium	New X
			Low	Renovation
BID DATE	9/30/2020			
START CONSTRUCTION DATE	4/30/2021			
EXPECTED COMPLETION DATE	8/30/2021			
			BUDGET CODE	
			CPR1000475	

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to replace the existing acid and caustic demineralizer system with a reverse osmosis demineralizer system. The current acid and caustic demineralizer system requires frequent repairs and requires that acid and caustic materials be stored on-site. The requested replacement system does not require chemical storage.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	10,000	-	-	-	-	-	10,000
Equipment	40,000	-	-	-	-	-	40,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	50,000	-	-	-	-	-	50,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							275,000
Total							325,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	50,000	-	-	-	-	-	50,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	50,000	-	-	-	-	-	50,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

EL 45

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELECTRIC ADMINISTRATION	363000	Generation Plant	Score	Replacement
PROJECT TITLE			High	Expansion
Battery Storage			Medium	New
			Low	Renovation
BID DATE	3/1/2021			
START CONSTRUCTION DATE	5/1/2021			
EXPECTED COMPLETION DATE	5/1/2022			
			BUDGET CODE	
			CPR1000470	

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to construct a 1.5 MW battery storage system adjacent to PWC's Community Solar site and connect it in tandem with the existing 500 kW battery storage facility already in use. This 1.5 MW addition will provide additional cost savings to PWC during coincident peak demands and will enable us to meet the battery storage threshold specified in our current Duke Energy Progress contract.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	300,000	-	-	-	-	-	300,000
Construction	250,000	-	-	-	-	-	250,000
Equipment	2,050,000	-	-	-	-	-	2,050,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	2,600,000	-	-	-	-	-	2,600,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							1,000,000
Total							3,600,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	2,600,000	-	-	-	-	-	2,600,000
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	2,600,000	-	-	-	-	-	2,600,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	(100,000)	(225,000)	(225,000)	(225,000)	(1,125,000)	(1,900,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	(100,000)	(225,000)	(225,000)	(225,000)	(1,125,000)	(1,900,000)

*Priority Score:

High Med Low

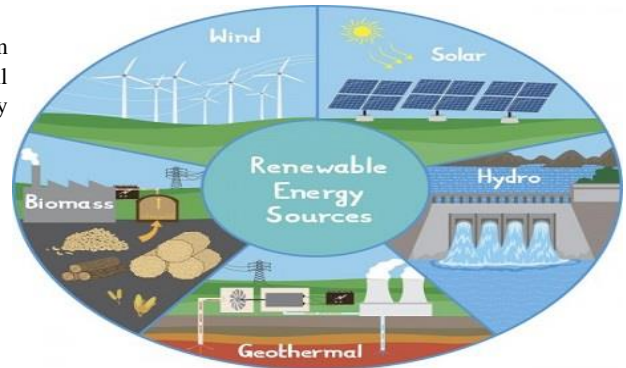
EL 46

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELECTRIC ADMINISTRATION	363000	Generation Plant	Score	Replacement
PROJECT TITLE			High	Expansion
Renewable Resource Development			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000469	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to develop a source of renewable energy from sources other than solar and battery storage. The development of this source will reduce PWC's reliance on the open market for purchasing renewable energy credits in order to meet its renewable energy portfolio commitment.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	5,000,000	-	-	-	-	5,000,000
Engineering	1,250,000	-	-	-	-	-	1,250,000
Construction	-	2,000,000	-	-	-	-	2,000,000
Equipment	-	12,000,000	-	-	-	-	12,000,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	1,250,000	19,000,000	-	-	-	-	20,250,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							250,000
Total							20,500,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	250,000	-	-	-	-	-	250,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	19,000,000	-	-	-	-	19,000,000
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	1,000,000	-	-	-	-	-	1,000,000
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	1,250,000	19,000,000	-	-	-	-	20,250,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



EL 47

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 364000		Electric Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
NCDOT U-5015 Murchison Road Improvement			Medium	New
			Low	Renovation
BID DATE				
START CONSTRUCTION DATE			BUDGET CODE	
EXPECTED COMPLETION DATE			CPR1000467	

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to relocate transmission and distribution facilities along Murchison Road (NC 210) including poles, conductors, guys and anchors, roadway lighting, transformers, secondaries and services. Facilities are being relocated from Langdon Street to south of US 401 By-Pass at the request of NCDOT to accommodate roadway improvements along Murchison Road.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	500,000	500,000
Engineering	-	-	-	-	-	400,000	400,000
Construction	-	-	-	-	-	600,000	600,000
Equipment	-	-	-	-	-	500,000	500,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,000,000	2,000,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							2,000,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	2,000,000	2,000,000
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,000,000	2,000,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

EL 48

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 364000		Electric Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
Bragg Boulevard Gateway Improvement - Phase II			Medium	New
			Low	Renovation
BID DATE				
START CONSTRUCTION DATE				
EXPECTED COMPLETION DATE				
			BUDGET CODE	
			CPR1000032	

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of the project is to replace existing overhead primary and secondary conductors and devices along the north side of Bragg Boulevard from Stamper Road to Carol Street with underground distribution facilities and to replace and improve roadway lighting in this area. Conduit and vaults will be installed to accommodate both municipal and other communication facilities. This project is complementary to the previous Gateway Improvement Projects that have been completed in an effort to improve the aesthetics of the major arteries into Fayetteville. This project will foster redevelopment in this area because of its close proximity to the Fort Bragg Military Reservation.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	1,100,000	1,100,000
Equipment	-	-	-	-	-	1,100,000	1,100,000
Personnel	-	-	-	-	-	100,000	100,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,300,000	2,300,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							2,300,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	2,300,000	2,300,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,300,000	2,300,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 364000		Electric Distribution System	Score	Replacement X
PROJECT TITLE			High X	Expansion
NCDOT U-5798A Gillis Hill Road Widening			Medium	New
			Low	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000417	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to relocate distribution facilities along Gillis Hill Road (2.4 miles) including poles, guys, anchors, roadway lighting, transformers, secondaries and services. Facilities are being relocated at the request of the NCDOT and the City of Fayetteville to accommodate the widening of Gillis Hill Road from the intersection of Raeford Road (US-401) to Lindsay Road (SR-1418).



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	150,000	-	-	-	-	-	150,000
Engineering	250,000	150,000	-	-	-	-	400,000
Construction	850,000	-	-	-	-	-	850,000
Equipment	850,000	-	-	-	-	-	850,000
Personnel	100,000	-	-	-	-	-	100,000
Other	-	-	-	-	-	-	-
Total	2,200,000	150,000	-	-	-	-	2,350,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							25,000
<i>FY2021 Estimate</i>							95,000
Total							2,470,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	2,200,000	150,000	-	-	-	-	2,350,000
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	2,200,000	150,000	-	-	-	-	2,350,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

EL 50

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 364000		Electric Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
NCDOT U-5798B Gillis Hill Road Widening			Medium	New
			Low	Renovation
BID DATE				
START CONSTRUCTION DATE				
EXPECTED COMPLETION DATE				
			BUDGET CODE	
			CPR1000476	

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to relocate distribution facilities along Gillis Hill Road (1.2 miles) including poles, guys, anchors, roadway lighting, transformers, secondaries, and services. Facilities are being relocated at the request of the NCDOT and the City of Fayetteville to accommodate the widening of Gillis Hill Road from the Lindsay Road (SR 1418) to Stoney Point Road (SR 1112).



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	200,000	200,000
Engineering	-	-	-	-	-	600,000	600,000
Construction	-	-	-	-	-	1,000,000	1,000,000
Equipment	-	-	-	-	-	900,000	900,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,700,000	2,700,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							2,700,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	2,700,000	2,700,000
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,700,000	2,700,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 364000		Electric Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
NCDOT U-4403B Ramsey Street Widening			Medium	New
			Low	Renovation
BID DATE				
START CONSTRUCTION DATE			BUDGET CODE	
EXPECTED COMPLETION DATE			CPR1000416	

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to relocate transmission and distribution facilities along Ramsey Street including poles, guys, anchors, roadway lighting, transformers, secondaries and services. Facilities are being relocated at the request of the NCDOT and the City of Fayetteville to accommodate the widening of Ramsey Street from the intersection of the CBD Loop to the intersection of the US-401 By-Pass.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	1,250,000	1,250,000
Engineering	-	-	-	-	-	2,200,000	2,200,000
Construction	-	-	-	-	-	1,750,000	1,750,000
Equipment	-	-	-	-	-	1,750,000	1,750,000
Personnel	-	-	-	-	-	200,000	200,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	7,150,000	7,150,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							7,150,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	7,150,000	7,150,000
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	7,150,000	7,150,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 364000		Electric Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
NCDOT U-4403C Ramsey Street Widening US 401 By-Pass to			Medium	New
Slocomb Road North			Low X	Renovation
BID DATE				
START CONSTRUCTION DATE			BUDGET CODE	
EXPECTED COMPLETION DATE			CPR1000462	

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to relocate transmission and distribution facilities along Ramsey Street including poles, conductors, guys and anchors, roadway lighting, transformers, secondaries and services. Facilities are being relocated from US-401 By-Pass (Country Club Drive) to north of Slocomb Road at the request of NCDOT to accommodate highway widening improvements along Ramsey Street.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	1,300,000	1,300,000
Engineering	-	-	-	-	-	2,950,000	2,950,000
Construction	-	-	-	-	-	12,750,000	12,750,000
Equipment	-	-	-	-	-	12,550,000	12,550,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	29,550,000	29,550,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							29,550,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	29,550,000	29,550,000
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	29,550,000	29,550,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 364000		Electric Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
NCDOT U-4900 Murchison Road Widening			Medium	New
			Low	Renovation
BID DATE				
START CONSTRUCTION DATE			BUDGET CODE	
EXPECTED COMPLETION DATE			CPR1000243	

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to relocate transmission and distribution facilities along Murchison Road including poles, conductors, guys and anchors, roadway lighting, transformers, secondaries and services. Facilities are being relocated at the request of NCDOT and the City of Fayetteville to accommodate the widening of Murchison Road from US401 to the I-295 By-pass.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	400,000	400,000
Engineering	-	-	-	-	-	950,000	950,000
Construction	-	-	-	-	-	1,500,000	1,500,000
Equipment	-	-	-	-	-	1,400,000	1,400,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	4,250,000	4,250,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							4,250,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	4,250,000	4,250,000
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	4,250,000	4,250,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 364000		Electric Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
NCDOT U-5101 Stacey Weaver Drive Widening			Medium	New
			Low	Renovation
BID DATE				
START CONSTRUCTION DATE			BUDGET CODE	
EXPECTED COMPLETION DATE			CPR1000418	

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to relocate distribution facilities along Stacey Weaver Drive, Rosehill Road (SR-1615), Shaw Mill Road (SR-1614), and Shaw Road (SR-1437) including poles, guys, anchors, roadway lighting, transformers, secondaries and services. Facilities are being relocated at the request of the NCDOT and the City of Fayetteville to accommodate the widening of Stacey Weaver Drive, Rosehill Road, Shaw Mill Road, and Shaw Road from the intersection of Ramsey Street (US-401) to the intersection of Murchison Road (NC-210).



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	425,000	425,000
Engineering	-	-	-	-	-	1,050,000	1,050,000
Construction	-	-	-	-	-	3,300,000	3,300,000
Equipment	-	-	-	-	-	2,900,000	2,900,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	7,675,000	7,675,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							7,675,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	7,675,000	7,675,000
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	7,675,000	7,675,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

EL 55

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 364000		Electric Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
NCDOT U-4404 Cliffdale Road Widening			Medium	New
			Low	Renovation
BID DATE				
START CONSTRUCTION DATE			BUDGET CODE	
EXPECTED COMPLETION DATE			CPR1000419	

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to relocate distribution facilities along Cliffdale Road (.9 miles) including poles, guys, anchors, roadway lighting, transformers, secondaries, and services. Facilities are being relocated at the request of the NCDOT and the City of Fayetteville to accommodate the widening of Cliffdale Road from the intersection of McPherson Church Road to the intersection of Morganton Road (SR-1404).



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	500,000	500,000
Engineering	-	-	-	-	-	250,000	250,000
Construction	-	-	-	-	-	1,750,000	1,750,000
Equipment	-	-	-	-	-	1,750,000	1,750,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	4,250,000	4,250,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							4,250,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	4,250,000	4,250,000
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	4,250,000	4,250,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

EL 56

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 364000		Electric Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
NCDOT U-6133 Cliffdale Road / Skibo Road Intersection			Medium	New
Improvement			Low X	Renovation
BID DATE			BUDGET CODE	
START CONSTRUCTION DATE			CPR1000463	
EXPECTED COMPLETION DATE				

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to relocate distribution facilities along Cliffdale (SR 1400) and Skibo (US-401 By-Pass) Roads including poles, conductors, guys and anchors, roadway lighting, transformers, secondaries and services. Facilities are being relocated at this intersection to accommodate traffic flow improvements along Cliffdale Road.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	350,000	350,000
Engineering	-	-	-	-	-	700,000	700,000
Construction	-	-	-	-	-	475,000	475,000
Equipment	-	-	-	-	-	475,000	475,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,000,000	2,000,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							2,000,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	2,000,000	2,000,000
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,000,000	2,000,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

EL 57

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 364000		Electric Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
NCDOT U-6209 Cliffdale Road Widening			Medium	New
			Low	Renovation
BID DATE				
START CONSTRUCTION DATE				
EXPECTED COMPLETION DATE				
			BUDGET CODE	
			CPR1000464	

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to relocate transmission and distribution facilities along Cliffdale Road (SR 1400) including poles, conductors, guys and anchors, roadway lighting, transformers, secondaries and services. Facilities are being relocated from Bunce Road (SR 1411) to McPherson Church Road at the request of NCDOT to accommodate highway widening improvements along Cliffdale Road.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	350,000	350,000
Engineering	-	-	-	-	-	1,150,000	1,150,000
Construction	-	-	-	-	-	1,350,000	1,350,000
Equipment	-	-	-	-	-	1,100,000	1,100,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	3,950,000	3,950,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							3,950,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	3,950,000	3,950,000
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	3,950,000	3,950,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

EL 58

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 364000		Electric Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
NCDOT U-6213 Ireland Drive Widening			Medium	New
			Low	Renovation
BID DATE				
START CONSTRUCTION DATE			BUDGET CODE	
EXPECTED COMPLETION DATE			CPR1000465	

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to relocate transmission and distribution facilities along Ireland Drive (SR 1219) including poles, conductors, guys and anchors, roadway lighting, transformers, secondaries and services. Facilities are being relocated from Cumberland Road (SR 1141) to Raeford Road (US 401) at the request of NCDOT to accommodate highway widening improvements along Ireland Drive.



	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	500,000	500,000
Engineering	-	-	-	-	-	500,000	500,000
Construction	-	-	-	-	-	1,125,000	1,125,000
Equipment	-	-	-	-	-	1,125,000	1,125,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	3,250,000	3,250,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							3,250,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	3,250,000	3,250,000
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	3,250,000	3,250,000

	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

Electric Systems

DIVISION	ACTIVITY	CATEGORY	PRIORITY	TYPE PROJECT
ELEC CONSTRUCTION & N 364000		Electric Distribution System	Score	Replacement X
PROJECT TITLE			High	Expansion
NCDOT U-6152 Robeson Street Access Management			Medium	New
			Low	Renovation
BID DATE				
START CONSTRUCTION DATE			BUDGET CODE	
EXPECTED COMPLETION DATE			CPR1000468	

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to relocate transmission and distribution facilities along Robeson Street including poles, conductors, guys and anchors, roadway lighting, transformers, secondaries and services. Facilities are being relocated from Blount Street to Raeford Road (US 401) at the request of NCDOT to accommodate roadway improvements along Robeson Street.

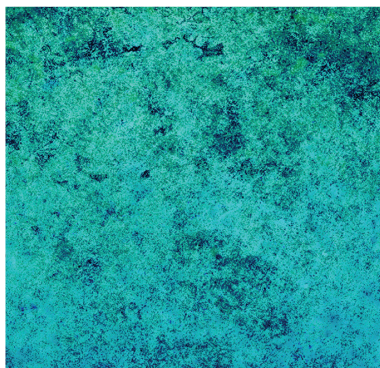
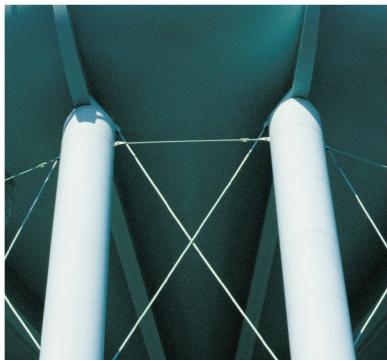
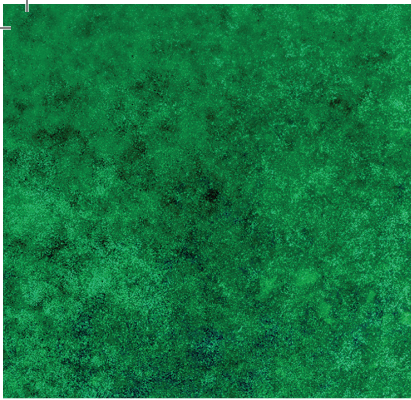


	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Expenses							
Land	-	-	-	-	-	150,000	150,000
Engineering	-	-	-	-	-	800,000	800,000
Construction	-	-	-	-	-	650,000	650,000
Equipment	-	-	-	-	-	650,000	650,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,250,000	2,250,000
<i>Pre-FY2021 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2021 Estimate</i>							-
Total							2,250,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
DOT E Raeford Rd CPF	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	2,250,000	2,250,000
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,250,000	2,250,000
	FY2022	FY2023	FY2024	FY2025	FY2026	FY27-31	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

EL 60



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